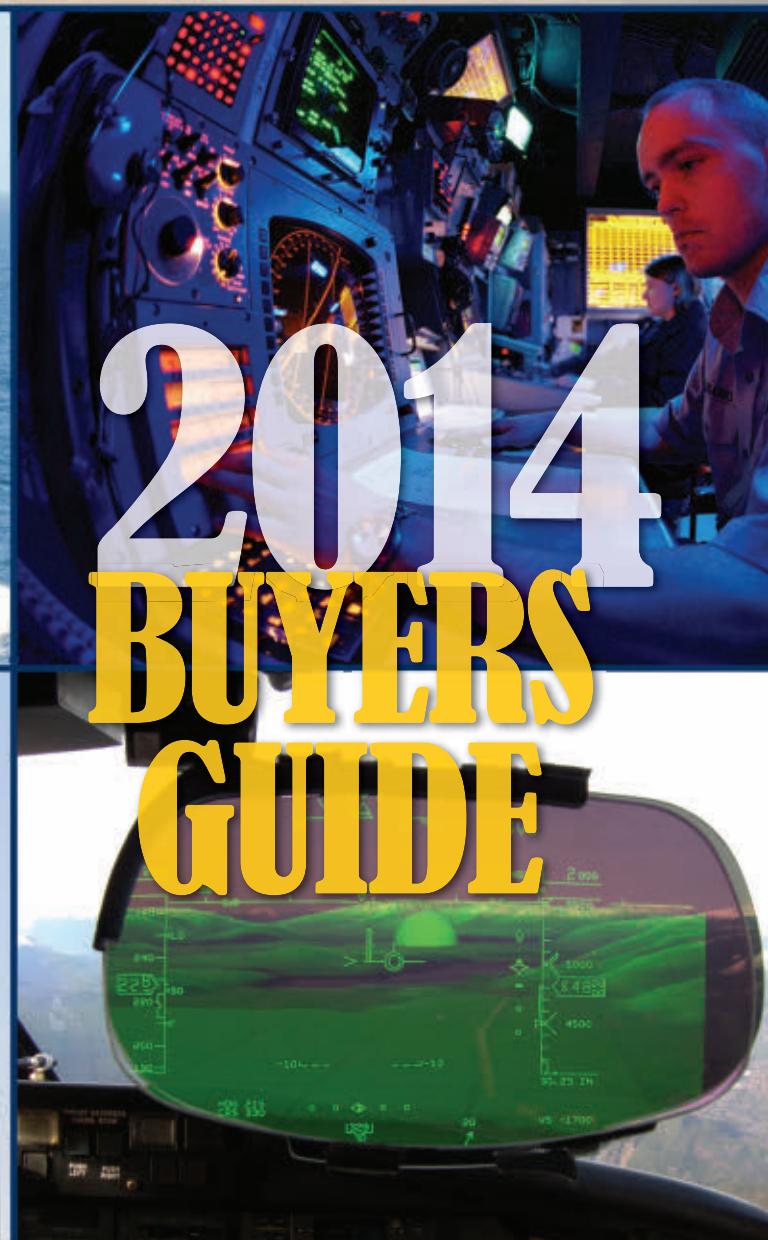


# Military & Aerospace Electronics



2014  
**BUYERS  
GUIDE**



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# 2014

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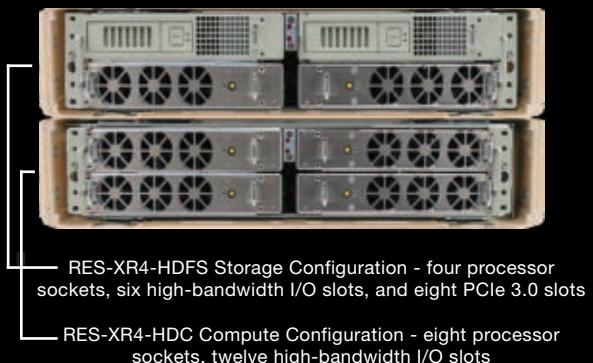


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Moog Protokraft

Mountain Secure Systems

NCEE Labs

Optical Cable Corp

Pentek Inc

PIC Wire &amp; Cable

Preformed Line Products

Raytheon ELCAN Optical Technologies

Sealing Devices Inc

Space Photonics Inc

Statek Corp

StratoPak Inc

Taconic

Tech Products Inc

Telkonet Inc

Thermacore Inc

Thermo Bond Buildings LLC

Third Millennium Engineering

Trenton Systems Inc

u2t photonics AG

VDesign Technologies

ViaSat Inc

ZNYX Networks

**RADIO**

Avalon RF

BEEcube Inc

Canyonwest Cases

Cirexx International Inc

Clear-Com

EDT Inc

Epiq Solutions

GPS Source Inc

Innovative Integration

Jayco MMI Inc

Lenthor Engineering Inc

Midian Electronics Inc

Mobile Desk

Mountain Secure Systems

NCEE Labs

NuWaves Engineering Ltd

Pentek Inc

Pryme

Multisorb Technologies Inc

NuWaves Engineering Ltd

**Red Rapids****Red Rapids**

SENER  
Signal Technology  
Space Photonics Inc  
Spectracom  
Stock-Point Electronics Inc  
StratoPak Inc  
ViaSat Inc

**DATA BUSES AND NETWORKING****HIGH-SPEED SWITCHED FABRICS**

Avionics Interface Technologies (AIT)  
Beyond Electronics Corp  
BittWare  
CES - Creative Electronic Systems SA  
Crystal Group Inc  
Curtiss-Wright Controls Defense Solutions  
Data Device Corp (DDC)  
Dawn VME Products  
Elma Electronic Inc  
■ **Extreme Engineering Solutions Inc (X-ES)**  
(See ad page BG5)  
GE Intelligent Platforms  
Hi-Tech Controls  
Impulse Accelerated Technologies

■ **Kontron**  
(See ad page BG7)

Mercury Systems  
Microway Inc  
Moog Protokraft  
Pulse Electronics  
Rigel Engineering LLC  
Trenton Systems Inc  
Zephyr Photonics Inc  
ZNYX Networks

**NETWORK INTERFACE CONTROLLERS**

AcQ Inducom  
Axiomatic Technologies Corp  
Beyond Electronics Corp  
BittWare  
CES - Creative Electronic Systems SA  
Clear-Com  
Critical I/O  
Data Bus Products  
Data Device Corp (DDC)  
Dynamic Systems Inc

**Red Rapids****Red Rapids**

SeaLevel Systems

Statek Corp

StratoPak Inc

Thermo Bond Buildings LLC

**SATELLITE EQUIPMENT AND TELEMETRY**

Aitech Defense Systems Inc  
BEEcube Inc  
Berliner Glas KGaA Herbert Kubatz GmbH & Co  
Canyonwest Cases  
CES - Creative Electronic Systems SA  
Cirexx International Inc  
Cobham Antenna Systems  
■ **Crane Aerospace & Electronics**  
(See ad page BG15)  
Curtiss-Wright Controls Avionics & Electronics  
Custom Circuit Boards  
Epiq Solutions  
GridPlex Networks  
Interpoint  
KVH Industries Inc  
L-3 Communications Interstate Electronics Corp  
Lenthor Engineering Inc  
Midian Electronics Inc  
Milestone Building and Design  
Minco

## COMMUNICATIONS/PERIPHERALS

### ■ Extreme Engineering Solutions

Inc (X-ES)  
(See ad page BG5)

### ■ Falcon Electronics

(See ad page BG10)

FreeSpace Networks  
Holt Integrated Circuits  
Moog Protokraft  
Pleora Technologies Inc  
Powell Electronics  
Primus Cable  
Pulse Electronics  
Rigel Engineering LLC  
RTD Embedded Technologies  
Sabtech  
SurplusEQ.com Inc  
Zephyr Photonics Inc  
ZNYX Networks

### TACTICAL NETWORKS

Alphi Technology  
Ballard Technology  
Beyond Electronics Corp  
Crane Wireless Monitoring Solutions  
GE Intelligent Platforms  
GET Engineering Corp  
Moog Protokraft

### NCEE Labs

Optical Cable Corp  
SeaLevel Systems  
ViaSat Inc

### WIRED NETWORKS

Advantech Corp  
AIM-USA  
Alphi Technology  
Amphenol PCD  
Axiomatic Technologies Corp  
Ballard Technology  
BEEcube Inc  
Clear-Com  
Connection Technology USA  
Crane Wireless Monitoring Solutions  
Curtiss-Wright Controls Avionics & Electronics  
Data Bus Products  
Dynamic Systems Inc  
L-com Global Connectivity  
Moog Protokraft  
Primus Cable  
Pulse Electronics  
Rigel Engineering LLC  
SurplusEQ.com Inc  
Telkonet Inc

### WIRELESS NETWORKS

Advantech Corp  
AIM-USA  
Applied Signal Technology Inc  
BEEcube Inc  
BittWare  
Clear-Com  
Curtiss-Wright Controls Avionics & Electronics  
Dynamic Systems Inc  
FreeSpace Networks  
L-com Global Connectivity  
Mobile Mark  
Moog Protokraft  
Mountain Secure Systems  
NCEE Labs  
Panduit Corp  
ProMotion Engineering Inc  
RTD Embedded Technologies  
Telkonet Inc  
Thermo Bond Buildings LLC  
ViaSat Inc

### DATA STORAGE

### DATA RECORDERS

Aitech Defense Systems Inc

Alphabyte Technology

Ampex Data Systems Corp

Ballard Technology

Barco Federal Systems LLC

BEEcube Inc

CALCULEX Inc

Cepoint Networks LLC

Conduant Corp

Curtiss-Wright Controls Avionics & Electronics

Curtiss-Wright Controls Defense Solutions

Data Device Corp (DDC)

Digital Systems Engineering Inc (DSE)

Dot Hill Systems Corp

EDT Inc

### ■ Falcon Electronics

(See ad page BG10)

GE Intelligent Platforms

Holt Integrated Circuits

Innovative Integration

Interface Displays & Controls Inc

Mountain Secure Systems

Pentek Inc

Phoenix International

Pulse Electronics

RGB Spectrum

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Sabtech  
Speel Praha Ltd  
TEAC Aerospace Technologies Inc  
■ **Themis Computer**  
(See ad page BG8)  
Ultraview Corp  
United Electronic Industries Inc  
Winchester Systems Inc

#### OPTICAL MEMORY

Alphabyte Technology  
Horizon Display  
Mountain Secure Systems  
Red Rock Technologies Inc

#### RAID/COMPUTER FARMS

Cepoint Networks LLC  
Chassis Plans

Crystal Group Inc  
Cyberchron Rugged Systems  
■ **Falcon Electronics**  
(See ad page BG10)  
Microway Inc  
Phoenix International  
Winchester Systems Inc

#### SOLID-STATE MEMORY

Aitech Defense Systems Inc  
Alacrity Services Inc  
Alphabyte Technology  
Austin Semiconductor Inc  
Ballard Technology  
CALCULEX Inc  
Cepoint Networks LLC  
CES - Creative Electronic Systems SA  
Conduant Corp

Cyberchron Rugged Systems  
Dot Hill Systems Corp  
Elma Electronic Inc  
■ **Extreme Engineering Solutions Inc (X-ES)**  
(See ad page BG5)

Sabtech  
Stock-Point Electronics Inc

#### TAPE MEMORY

Alphabyte Technology  
■ **Falcon Electronics**  
(See ad page BG10)  
Phoenix International  
Red Rock Technologies Inc  
Stock-Point Electronics Inc



■ **Falcon Electronics**  
(See ad page BG10)

#### FREQUENCY MANAGEMENT SYSTEMS

Greenliant Systems  
Horizon Display  
Mountain Secure Systems  
Phoenix International  
Red Rock Technologies Inc

Epiq Solutions  
NCEE Labs  
Spectracom

## COMPONENTS/POWER ELECTRONICS/SENSORS

### COMPONENTS

#### BACKPLANES

AbelConn LLC  
ADCO Circuits  
Aitech Defense Systems Inc  
Ampro ADLINK Technology Inc  
Chassis Plans  
Crystal Group Inc  
Curtiss-Wright Controls Defense Solutions  
Dawn VME Products  
Diamond-MT Inc  
■ **Extreme Engineering Solutions Inc (X-ES)**  
(See ad page BG5)  
■ **Falcon Electronics**  
(See ad page BG10)

Fralock  
GDCA Inc  
General Micro Systems Inc  
■ **Kontron**  
(See ad page BG7)  
Macrolink Inc  
Noren Products Inc  
Powell Electronics  
Rittal Corp  
Sabritec  
SIE Computing Solutions Inc  
Smiths Connectors  
Trenton Systems Inc

**CIRCUIT BREAKERS**  
Peerless Electronics Inc  
Repair Zone  
Ross Engineering Corp

#### CONNECTORS

AbelConn LLC  
Accel Connectors Inc  
Advanced Interconnections Corp  
AE Petsche Co  
AirBorn  
Air Electro  
Allied Wire & Cable  
Amphenol Aerospace  
Amphenol Alden Products Co  
Amphenol PCD  
API Technologies Corp  
Arrow Electronics Inc  
Binder-USA  
Coaxial Components Corp (Coaxicom)  
Corning Cable Systems  
Data Bus Products  
Digi-Key Corp  
Excel Wireless  
■ **Falcon Electronics**  
(See ad page BG10)

Fischer Connectors Inc  
Hi-Tech Controls  
HUBER+SUHNER AG  
IEH Corp  
Integra Technologies  
Interconnect Devices Inc  
Interconnect Systems Inc  
Kensington Electronics Inc  
LADD Distribution  
L-com Global Connectivity  
LEMO USA Inc  
March Electronics Inc  
Molex Inc  
Moog Protokraft  
OFS

Omnetics Connector Corp  
OPTOTEC SpA

Panduit Corp  
Peerless Electronics Inc  
PEIGenesis  
Pickering Interfaces Inc  
PIC Wire & Cable  
Positronic  
Powell Electronics  
REMA USA LLC  
RF Precision Products  
Sabritec  
Sealcon LLC  
Smiths Connectors  
SOURIAU  
TE Connectivity  
Timbercon  
Times Microwave Systems  
TTI Inc  
Winchester Electronics  
Zephyr Photonics Inc

#### CONTROL HEADS

Essex Industries  
REMA USA LLC  
Tapeswitch Corp

#### ENCLOSURES AND CHASSIS

AbelConn LLC  
Ampro ADLINK Technology Inc  
Avitor International Corp  
CES - Creative Electronic Systems SA  
Chassis Plans  
Craig Technologies  
Crystal Group Inc

Curtiss-Wright Controls Defense Solutions  
Cyberchron Rugged Systems  
Dawn VME Products  
EDT Inc  
Electronic Concepts & Engineering Inc  
Elma Electronic Inc  
EMTEQ  
■ **Extreme Engineering Solutions Inc (X-ES)**  
(See ad page BG5)  
GDCA Inc  
GE Intelligent Platforms  
General Micro Systems Inc  
Hi-Tech Controls  
InTaTech Ltd  
Interface Displays & Controls Inc  
■ **Kontron**  
(See ad page BG7)  
L-com Global Connectivity  
MONTI Tools Inc  
OPTOTEC SpA  
Panduit Corp  
Peerless Electronics Inc  
Pelican Products Inc  
Pickering Interfaces Inc  
Pneumafil Corp  
Primus Cable  
Sealcon LLC  
Sealing Devices Inc  
SIE Computing Solutions Inc  
StratoPak Inc  
Switching Power Inc  
TEAL Electronics  
Thermo Bond Buildings LLC  
Tri-M Systems and Engineering Inc

## FASTENERS

Craig Technologies  
Duraflex Inc  
Fastener Specialty Inc  
Hi-Tech Controls  
Mission Micro Molding Corp  
Nelco Products  
Sealcon LLC

## FIBER OPTICS

EigenLight Corp  
Fibercore Ltd  
H&L Instruments LLC  
ixFiber  
L-com Global Connectivity  
Liteway Inc  
Omega Engineering Inc  
OptoCity  
Positronic  
Primus Cable  
Quagwire Technologies  
Ross Engineering Corp  
Space Photonics Inc  
Zephyr Photonics Inc

## FILTERS/GASKETING

API Technologies Corp  
DJM Electronics  
Ferrotec USA Corp  
Fralock  
HEPA Corp  
ixFiber  
Kensington Electronics Inc  
PIC Wire & Cable  
Protavic America  
■ Quell Corp  
    (See ad page BG13)  
Sealing Devices Inc  
TTI Inc  
Vicor Corp

## FLIGHT INSTRUMENTS

Craig Technologies

## GYROSCOPES

Dexter Magnetic Technologies Inc  
Gooch & Housego Plc  
Jewell Instruments  
Kearfott Corp

## HUMAN-MACHINE INTERFACES

AbraxSys Corp  
Aerospace Optics Inc  
Allied International  
Essex Industries  
Interface Displays & Controls Inc  
REMA USA LLC  
Repair Zone

## LATCHES AND HINGES

Craig Technologies

## MEMS AND NANOTECHNOLOGY



Aerotech Inc  
Austin Semiconductor Inc  
BEST Inc

■ **Crane Aerospace & Electronics**  
    (See ad page BG15)

■ **Falcon Electronics**  
    (See ad page BG10)

Hi-Tech Controls  
Interconnect Systems Inc  
Interpoint  
Jazz Semiconductor Inc  
Jewell Instruments  
Kensington Electronics Inc  
Macro Sensors  
Microflexis  
Nordson ASYMTEK  
Preciseley Microtechnology Corp  
Ridgetop Group Inc

## RADIATION-HARDENED COMPONENTS

Aeroflex Colorado Springs  
Aeroflex Metelics Hi-Rel Components  
Aeroflex Plainview  
Aeroflex RAD  
■ **Crane Aerospace & Electronics**  
    (See ad page BG15)

International Rectifier  
International Rectifier San Jose  
Interpoint



Ridgetop Group Inc  
Signal Technology  
Space Photonics Inc  
SRI International Sarnoff  
■ **VPT Inc**  
    (See ad page BG17)

## RELAYS

■ **Falcon Electronics**  
    (See ad page BG10)

Integra Technologies  
Peerless Electronics Inc  
Pickering Interfaces Inc  
Repair Zone  
Ross Engineering Corp  
Tapeswitch Corp

## SWITCHES

AE Petsche Co  
Aerospace Optics Inc  
Curtiss-Wright Controls Avionics & Electronics  
Essex Industries  
Hi-Tech Controls  
InTalTech Ltd  
Interface Displays & Controls Inc  
KAMAKA Electronic Bauelemente Vertriebs GmbH  
Kensington Electronics Inc  
Mercury Systems  
Mission Micro Molding Corp  
Moog Protokraft  
Peerless Electronics Inc  
Pickering Interfaces Inc  
Preciseley Microtechnology Corp  
Ross Engineering Corp  
Tapeswitch Corp

## WIRE AND CABLE

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AE Petsche Co  
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Amphenol Alden Products Co  
Amphenol PCD  
AMWEI Thermistor  
Avitor International Corp  
Belden  
Binder-USA  
Coaxial Components Corp (Coaxicom)  
Craig Technologies  
Data Bus Products  
Design Criteria Inc  
DeWAL Industries  
Digi-Key Corp  
Electri-Flex Co  
Electro-Mech Components Inc  
EMTEQ  
Essex Industries  
Excel Wireless  
■ **Falcon Electronics**  
    (See ad page BG10)

Fischer Connectors Inc  
GET Engineering Corp  
Harbour Industries LLC  
Hi-Tech Controls  
HUBER+SUHNER AG  
Kensington Electronics Inc  
K-Sun Corp  
L-com Global Connectivity

LEMO USA Inc  
Lenthor Engineering Inc  
MEGA Electronics Inc  
Minco  
Nelco Products  
Noramco Wire & Cable  
Northwire Inc  
Optical Cable Corp  
Peerless Electronics Inc  
Pickering Interfaces Inc  
PIC Wire & Cable  
Positronic  
Powell Electronics  
Quagwire Technologies  
Radius Power  
Repair Zone  
Saelig Co Inc  
Sealcon LLC  
Sealing Devices Inc  
Smiths Connectors  
Space Photonics Inc  
SuperPower Inc  
Tech Products Inc  
TE Connectivity  
Thermax  
Timbercon  
Times Microwave Systems  
Winchester Electronics

## DISPLAYS

### CATHODE RAY TUBES

AbraxSys Corp  
Repair Zone

### COCKPIT DISPLAYS

3D Plus USA Inc  
AbraxSys Corp  
Barco  
Barco Federal Systems LLC  
Curtiss-Wright Controls Defense Solutions  
Digital Systems Engineering Inc (DSE)  
General Atomics Aeronautical Systems Inc  
Interface Displays & Controls Inc  
Jayco MMI Inc  
Kearfott Corp  
Milestones Building and Design  
NCEE Labs  
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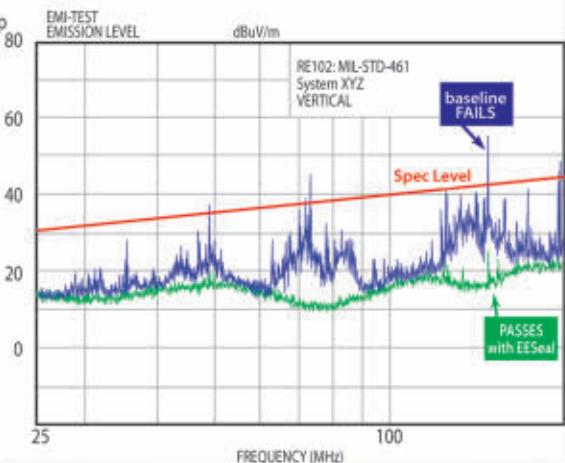
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## ENHANCED/SYNTHETIC VISION SYSTEMS

Sensoray Co Inc

## HEADS-UP DISPLAYS

AbraxSys Corp  
Advanced Photonix Inc  
Digital Systems Engineering Inc (DSE)  
Esterline CMC Electronics  
Interface Displays & Controls Inc  
Raytheon ELCAN Optical Technologies  
Rockwell Collins  
SwissOptic AG  
TLC International

## HELMET-MOUNTED DISPLAYS (HMD)

Raytheon ELCAN Optical Technologies  
Signet FPD Inc  
TLC International

## IN-FLIGHT ENTERTAINMENT SYSTEM DISPLAYS

AbraxSys Corp  
Jayco MMI Inc  
Milestones Building and Design  
NCEE Labs  
Signet FPD Inc  
TLC International

## LIQUID CRYSTAL DISPLAYS

AbraxSys Corp  
Acnodes Corp  
Advantech Corp  
Barco Federal Systems LLC  
Crystal Group Inc  
Crystal Image Technologies  
Cyberchron Rugged Systems  
DesignLED Technology (HK) Co Ltd  
Digital Systems Engineering Inc (DSE)  
Esterline CMC Electronics  
Horizon Display  
Interface Displays & Controls Inc  
Nordson ASYMTEK  
Repair Zone  
Rockwell Collins  
Signet FPD Inc  
TDL Inc  
TLC International

## ORGANIC LIGHT-EMITTING DIODE (OLED) DISPLAYS

AbraxSys Corp  
Barco  
Barco Federal Systems LLC  
Nordson ASYMTEK  
Rockwell Collins  
TLC International

## PLASMA DISPLAYS

DesignLED Technology (HK) Co Ltd  
Horizon Display  
Nordson ASYMTEK  
TLC International

## INTEGRATED CIRCUITS, ANALOG

### BIPOLAR TRANSISTORS

ACCES I/O Products  
Aeroflex Metelics Hi-Rel Components  
Central Semiconductor Corp  
Device Engineering Inc  
■ Falcon Electronics  
(See ad page BG10)  
KAMAKA Electronic Bauelemente  
Vertriebs GmbH  
Semicoa Corp  
Sensitron Semiconductor  
Soliton Devices Inc

### IGBTs

■ Falcon Electronics  
(See ad page BG10)  
KAMAKA Electronic Bauelemente  
Vertriebs GmbH  
Repair Zone  
Ridgetop Group Inc  
Rochester Electronics  
Semicoa Corp  
Sensitron Semiconductor  
Soliton Devices Inc  
Thermacore Inc

### MOSFETS

Aeroflex RAD  
Central Semiconductor Corp



■ Falcon Electronics  
(See ad page BG10)

Holt Integrated Circuits  
International Rectifier  
International Rectifier San Jose



Intersil Corp

Semicoa Corp  
Sensitron Semiconductor  
Soliton Devices Inc  
Thermacore Inc

## PASSIVE COMPONENTS

AEM Inc  
BI Technologies  
Corning Cable Systems  
■ Crane Aerospace & Electronics  
(See ad page BG15)  
Dexter Magnetic Technologies Inc  
Dielectric Laboratories  
Digi-Key Corp  
Esterline Power Systems  
■ Evans Capacitor Co  
(See ad page BG18)



■ Falcon Electronics  
(See ad page BG10)

Fralock  
Holt Integrated Circuits  
Kensington Electronics Inc  
Lenthor Engineering Inc  
March Electronics Inc  
Merrimac  
Nordson ASYMTEK  
PICO Electronics Inc  
Raycom Electronics  
San Francisco Circuits  
TE Circuit Protection Products  
TE Connectivity  
Teledyne Relays Europe  
Teledyne Relays US  
TTI Inc  
Vishay Intertechnology Inc

## POWER DISCRETE DEVICES

Absopulse Electronics Ltd  
Central Semiconductor Corp  
Custom Circuit Boards  
EGIDE USA Inc  
■ Falcon Electronics  
(See ad page BG10)  
International Rectifier  
International Rectifier San Jose  
KAMAKA Electronic Bauelemente  
Vertriebs GmbH  
Minco  
Rochester Electronics  
Semicoa Corp  
Sensitron Semiconductor  
Soliton Devices Inc  
Tapeswitch Corp

## POWER INTEGRATED CIRCUITS

Aeroflex Plainview  
Avnet Inc  
Custom Circuit Boards



■ Falcon Electronics  
(See ad page BG10)

General Dynamics C4 Systems  
International Rectifier  
International Rectifier San Jose



Intersil Corp

KAMAKA Electronic Bauelemente  
Vertriebs GmbH  
MS Kennedy Corp  
Ridgetop Group Inc  
Rochester Electronics  
Sensitron Semiconductor  
■ VPT Inc  
(See ad page BG17)

## RECTIFIERS

Abbott Technologies Inc  
Absopulse Electronics Ltd  
Central Semiconductor Corp  
■ Crane Aerospace & Electronics  
(See ad page BG15)  
ELDEC  
■ Falcon Electronics  
(See ad page BG10)  
Falcon Electronics  
Gaia Converter  
KAMAKA Electronic Bauelemente  
Vertriebs GmbH  
Repair Zone  
Sensitron Semiconductor  
Soliton Devices Inc  
Thermacore Inc  
Vishay Intertechnology Inc

## THYRISTORS

Central Semiconductor Corp  
■ Falcon Electronics  
(See ad page BG10)  
TE Circuit Protection Products  
Thermacore Inc  
TTI Inc



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## INTEGRATED CIRCUITS, DIGITAL

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Aeroflex Colorado Springs  
Aeroflex Plainview  
Aeroflex RAD  
Austin Semiconductor Inc  
Curtiss-Wright Controls Avionics & Electronics  
Digi-Key Corp  
dSPACE Inc  
■ **Falcon Electronics**  
(See ad page BG10)  
Honeywell Aerospace  
Intersil Corp

### ■ Lansdale Semiconductor Inc (See ad page BG3)

North Atlantic Industries Inc  
Ridgetop Group Inc  
Rochester Electronics  
Tektronix Component Solutions  
Texas Instruments  
Trenton Systems Inc  
Ultra Electronics EMS

### ASICS

Aeroflex Colorado Springs  
Data Device Corp (DDC)  
Develeast SA  
Device Engineering Inc  
Digi-Key Corp  
General Dynamics C4 Systems  
GET Engineering Corp  
Greenlee, a Textron Co  
Honeywell Aerospace  
KAMAKA Electronic Bauelemente  
Vertriebs GmbH  
Microsemi Corp  
Rochester Electronics  
Tektronix Component Solutions  
Texas Instruments

### COMMUNICATIONS/ NETWORKING ICS

Aeroflex Colorado Springs  
Device Engineering Inc  
Digi-Key Corp  
dSPACE Inc  
■ **Falcon Electronics**  
(See ad page BG10)  
Holt Integrated Circuits  
Honeywell Aerospace  
Interconnect Systems Inc  
■ **Lansdale Semiconductor Inc**  
(See ad page BG3)  
One Stop Systems Inc  
Rochester Electronics  
Wide Band Systems Inc

### D-A CONVERTERS

Absopulse Electronics Ltd  
Aeroflex Plainview  
Austin Semiconductor Inc  
Digi-Key Corp  
dSPACE Inc  
Honeywell Aerospace  
Intersil Corp  
■ **Lansdale Semiconductor Inc**  
(See ad page BG3)  
Microsemi Corp  
North Atlantic Industries Inc  
Ridgetop Group Inc  
Rochester Electronics  
Tektronix Component Solutions  
Trenton Systems Inc

### DIGITAL SIGNAL PROCESSORS

Aeroflex Colorado Springs  
Device Engineering Inc  
Digi-Key Corp  
dSPACE Inc  
General Dynamics C4 Systems  
Logic PD  
Omega Engineering Inc  
Rochester Electronics  
RTD Embedded Technologies  
Wide Band Systems Inc

### FPGAs

Aeroflex Colorado Springs  
Altera Corp  
Atmel Corp  
BEEcube Inc  
Develeast SA  
Digi-Key Corp  
DLP Design Inc  
dSPACE Inc  
General Dynamics C4 Systems  
Honeywell Aerospace  
Impulse Accelerated Technologies  
Intersil Corp  
Microsemi Corp  
Quicklogic Corp  
Ridgetop Group Inc  
Rochester Electronics  
Space Photonics Inc  
Texas Instruments  
Xenics  
Xilinx

### GENERAL-PURPOSE ICS

Aeroflex Colorado Springs  
Aeroflex Plainview  
Avitor International Corp  
■ **Falcon Electronics**  
(See ad page BG10)  
General Dynamics C4 Systems



Intersil Corp

Raycom Electronics

### GRAPHICS ICS

Digi-Key Corp  
General Dynamics C4 Systems  
Rochester Electronics  
SRI International Sarnoff  
Texas Instruments  
Trenton Systems Inc

Omega Engineering Inc  
One Stop Systems Inc  
Rochester Electronics  
Texas Instruments  
Trenton Systems Inc  
Zilog

### MIXED-SIGNAL ICS

Aeroflex Colorado Springs  
Austin Semiconductor Inc  
■ **Falcon Electronics**  
(See ad page BG10)  
Holt Integrated Circuits



Intersil Corp

KAMAKA Electronic Bauelemente  
Vertriebs GmbH

■ **Lansdale Semiconductor Inc**  
(See ad page BG3)  
MS Kennedy Corp  
One Stop Systems Inc  
Rochester Electronics  
Tektronix Component Solutions

### IP CORES

Aeroflex Colorado Springs  
Develeast SA  
Digi-Key Corp  
Honeywell Aerospace  
Innovative Integration  
Pentek Inc  
Pleora Technologies Inc  
Rochester Electronics

### MEMORY ICS

Aeroflex Colorado Springs  
Austin Semiconductor Inc  
Digi-Key Corp  
■ **Falcon Electronics**  
(See ad page BG10)  
Greenliant Systems  
Honeywell Aerospace  
Interconnect Systems Inc  
KAMAKA Electronic Bauelemente  
Vertriebs GmbH  
■ **Lansdale Semiconductor Inc**  
(See ad page BG3)  
Trenton Systems Inc

### MICROPROCESSORS/ MICROCONTROLLERS

Advanced Micro Devices Inc  
Aeroflex Colorado Springs  
Aeroflex Plainview  
Altera Corp  
Atmel Corp  
Axiomatic Technologies Corp  
Coherent Logix Inc  
Device Engineering Inc  
Freescale Semiconductor  
General Dynamics C4 Systems  
Honeywell Aerospace  
Innovasic Inc  
Integra Technologies  
■ **Lansdale Semiconductor Inc**  
(See ad page BG3)  
Logic PD  
Maxim Integrated Products  
MS Kennedy Corp

KAMAKA Electronic Bauelemente  
Vertriebs GmbH

■ **Lansdale Semiconductor Inc**  
(See ad page BG3)  
MS Kennedy Corp  
One Stop Systems Inc  
Rochester Electronics  
Tektronix Component Solutions

### NETWORK INTERFACE ICS

Device Engineering Inc  
dSPACE Inc  
■ **Falcon Electronics**  
(See ad page BG10)  
Greenlee, a Textron Co  
Holt Integrated Circuits  
Space Photonics Inc

### PERIPHERAL/SUPPORT ICS

Device Engineering Inc  
■ **Falcon Electronics**  
(See ad page BG10)  
Holt Integrated Circuits  
■ **Lansdale Semiconductor Inc**  
(See ad page BG3)

### SOLID-STATE MEMORY

Austin Semiconductor Inc  
Device Engineering Inc  
Digi-Key Corp  
■ **Falcon Electronics**  
(See ad page BG10)  
Greenliant Systems  
Rochester Electronics

### POWER ELECTRONICS

#### ACTUATORS

Dexter Magnetic Technologies Inc  
Duraflex Inc  
Electronic Concepts & Engineering Inc  
Kearfott Corp

Omega Engineering Inc  
Repair Zone  
Ridgetop Group Inc  
Servometer  
SurplusEQ.com Inc

### AUXILIARY POWER UNITS (APUS)

Milestones Building and Design  
OPAL-RT Technologies  
Pulse Electronics

Kensington Electronics Inc  
LEMO USA Inc  
Microsemi Corp  
NOVA Power Solutions Inc  
OPAL-RT Technologies  
Pulse Electronics  
QuadTech Inc  
Radius Power  
Repair Zone  
Ridgetop Group Inc

Telonic Instruments Ltd

### MOTOR CONTROLLERS

Aeroflex Motion Control Products  
Aerotech Inc  
Allied Motion Technologies Inc  
Alonex Electronic Engineering Ltd  
Axiomatic Technologies Corp  
■ **Crane Aerospace & Electronics**  
(See ad page BG15)

Data Device Corp (DDC)  
Electronic Concepts & Engineering Inc  
Gaia Converter  
International Rectifier  
International Rectifier San Jose  
Intronics Power Inc  
KAMAKA Electronic Bauelemente  
Vertriebs GmbH  
Kearfott Corp  
Mega-Fabs Motion Systems Ltd

### BATTERIES

Aeroflex Plainview  
Concorde Battery Corp  
EaglePicher Technologies LLC  
Fullriver Battery USA  
NOVA Power Solutions Inc  
OPAL-RT Technologies  
ProMation Engineering Inc  
Telonic Instruments Ltd

### CIRCUIT BREAKERS

Data Device Corp (DDC)  
OPAL-RT Technologies  
Repair Zone  
Ross Engineering Corp

### EMERGENCY POWER UNITS

Concorde Battery Corp  
EaglePicher Technologies LLC  
ELDEC  
Gaia Converter  
Milestones Building and Design  
Tapeswitch Corp

### GENERATORS

Duraflex Inc  
Milestones Building and Design  
Optocon AG  
SuperPower Inc

### INVERTERS/CONVERTERS

3D Plus USA Inc



**Advanced Conversion Technology Inc**

Alonex Electronic Engineering Ltd

API Technologies Corp

Arnold Magnetics Corp

Axiomatic Technologies Corp

Behlman Electronics Inc

■ **Crane Aerospace & Electronics**  
(See ad page BG15)

Design Criteria Inc

Gaia Converter

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### Space Series

- ✓ 5–120+ watts
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- ✓ SEE: 85 MeV
- ✓ -55°C to +125°C
- ✓ MIL-PRF-38534 Class H and Class K
- ✓ DLA SMDs available
- ✓ Engineering models typically ship from stock
- ✓ Other radiation levels and custom versions available

### Avionics & Military

- ✓ 1–120+ watts
- ✓ MIL-PRF-38534 Class H and Class K
- ✓ 100% hermetic
- ✓ -55°C to +125°C
- ✓ DLA SMDs Available

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- ✓ -55°C to +100°C

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Omega Engineering Inc  
OPAL-RT Technologies  
Optocon AG  
ProMation Engineering Inc  
Repair Zone  
Ridgetop Group Inc  
Sensitron Semiconductor  
SurplusEQ.com Inc

Tapeswitch Corp  
Teledyne Relays Europe  
Teledyne Relays US  
**MOTORS**  
Aeroflex Motion Control Products  
Aerotech Inc  
Allied Motion Technologies Inc  
Ametek Aerospace & Defense  
Diamond-MT Inc

Intronics Power Inc  
Kearfott Corp  
Omega Engineering Inc  
OPAL-RT Technologies  
ProMation Engineering Inc  
Radius Power  
Repair Zone  
SENER  
SuperPower Inc

**POWER DISTRIBUTION SYSTEMS AND EQUIPMENT**



**Advanced Conversion Technology Inc**

Ametek Aerospace & Defense  
API Technologies Corp  
Arnold Magnetics Corp  
Behlman Electronics Inc  
**Crane Aerospace & Electronics**  
(See ad page BG15)  
Data Device Corp (DDC)  
Design Criteria Inc  
DeWAL Industries  
Diamond-MT Inc  
ELDEC  
**Falcon Electronics**  
(See ad page BG10)  
Gaia Converter  
International Rectifier  
Intronics Power Inc  
Keltec  
March Electronics Inc  
Mech-Tronics  
Milestones Building and Design  
NOVA Power Solutions Inc  
OPAL-RT Technologies  
Optocon AG  
Power Innovations International Inc  
ProMation Engineering Inc  
Pulse Electronics  
Rantec Power Systems Inc  
rodatronic GmbH  
SENER  
Sensitron Semiconductor  
SurplusEQ.com Inc  
SynQor Inc  
TDK-Lambda Americas  
TEAL Electronics  
Tech Products Inc  
TE Connectivity  
Telonic Instruments Ltd

**POWER SUPPLIES**

Abbott Technologies Inc  
Absopulse Electronics Ltd



**Advanced Conversion Technology Inc**

Alonex Electronic Engineering Ltd  
Ametek Aerospace & Defense  
API Technologies Corp

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Laser targeting



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Displays, mission computers



Space systems



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Evanscaps are proven in over 100 ratings and configurations to have the highest power density in hermetic tantalum packages.

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Arnold Magnetics Corp  
 Avnet Inc  
 Axiomatic Technologies Corp  
 Behlman Electronics Inc  
 Comdel Inc  
**■ Crane Aerospace & Electronics**  
 (See ad page BG15)  
 Dawn VME Products  
 dB Control  
 Design Criteria Inc  
 Digi-Key Corp  
 EaglePicher Technologies LLC  
 ELDEC  
**■ Evans Capacitor Co**  
 (See ad page BG18)  
 Excelitas Technologies  
**■ Extreme Engineering Solutions Inc (X-ES)**  
 (See ad page BG5)  
**■ Falcon Electronics**  
 (See ad page BG10)  
 Gaia Converter  
 HDL Research Lab Inc  
 International Rectifier  
 International Rectifier San Jose  
 Interpoint  
 Intronics Power Inc  
 KAMAKA Electronic Bauelemente  
 Vertriebs GmbH  
 Keltec  
 Kepco Inc  
 L-3 Electron Devices  
 L-com Global Connectivity  
 LED Waves  
 Liteway Inc  
 Mech-Tronics  
 MEGA Electronics Inc  
 Microsemi Corp  
 MS Kennedy Corp  
 National Test Equipment  
 Ness Engineering Inc  
 North Atlantic Industries Inc  
 NOVA Power Solutions Inc  
 OPAL-RT Technologies  
 PerkinElmer  
 Phihong  
 PICO Electronics Inc  
 ProMation Engineering Inc  
 QuadTech Inc  
 Rantec Power Systems Inc  
 Repair Zone  
 rodatronic GmbH  
 Ross Engineering Corp  
 RTD Embedded Technologies  
 Sensitron Semiconductor  
 Sparton Complex Systems  
 Switching Power Inc  
 SynQor Inc  
 TDK-Lambda Americas  
 TEAL Electronics

Telonic Instruments Ltd  
 Ten Tech LLC Engineering Services  
 Tri-M Systems and Engineering Inc  
 Vadatech Inc  
 Vicor Corp  
**■ VPT Inc**  
 (See ad page BG17)  
 Wavelength Electronics Inc

### TRANSDUCERS

Craig Technologies  
 HITEC Sensor Solutions Inc  
 Honeywell Microelectronics &  
 Precision Sensors  
 Interface  
 Kearfott Corp  
 Kensington Electronics Inc  
 Macro Sensors  
 Omega Engineering Inc  
 OPAL-RT Technologies  
 Vishay Intertechnology Inc  
 Weschler Instruments

### TRANSIENT VOLTAGE SUPPRESSORS

Axiomatic Technologies Corp

  
**■ Falcon Electronics**  
 (See ad page BG10)

Gaia Converter  
 High Energy Devices LLC  
 MCG Surge Protection  
 OPAL-RT Technologies  
 rodatronic GmbH  
 Sensitron Semiconductor  
 TDK-Lambda Americas  
 TEAL Electronics  
 TE Circuit Protection Products

### SENSORS

### CHEMICAL ANALYZERS

Advanced Photonix Inc  
 Headwall Photonics Inc  
 MSP Corp

### INERTIAL

  
**Advanced Conversion Technology Inc**

Allied International  
 Interface Displays & Controls Inc  
 Interface Inc  
 iXFiber  
 Jewell Instruments  
 Kearfott Corp  
 KVH Industries Inc  
 VectorNav Technologies LLC

### INFRARED/ULTRAVIOLET

Advanced Photonix Inc  
 Del Mar Photonics Inc  
 EGIDE USA Inc  
**■ Falcon Electronics**  
 (See ad page BG10)  
 FLIR Systems Inc  
 Headwall Photonics Inc  
 HGH Infrared Systems  
 IRCameras LLC  
 Iscan Inc  
 JENOPTIK I Defense & Civil Systems  
 Keo Scientific Ltd  
 L-3 Infrared Products  
 Laser Components GmbH  
 Lumetrics Inc  
 Omega Engineering Inc  
 Opto Diode Corp  
 OptoTherm Inc  
 Palmer Wahl Temperature Instruments  
 Photon Control Inc  
 Powell Electronics  
 Preciseley Microtechnology Corp  
 Raytheon Vision Systems  
 Santa Barbara Infrared Inc  
 Sensors Unlimited - UTC Aerospace Systems  
 SRI International Sarnoff  
 Stanford Photonics Inc  
 Surface Optics Corp  
 SwissOptic AG  
 Tapeswitch Corp  
 Thermo Scientific - CIDTEC  
 Thermoteknix Systems Ltd  
 Xenics  
 Zephyr Photonics Inc

### LADAR/LIDAR

Advanced Photonix Inc  
 Dexter Magnetic Technologies Inc  
 General Atomics Aeronautical Systems Inc  
 JENOPTIK I Defense & Civil Systems  
 Keopsys SA  
 Modulight Inc  
 Preciseley Microtechnology Corp  
 Princeton Lightwave Inc  
 Raytheon ELCAN Optical Technologies  
 RPMC Lasers Inc  
 SensUp

SRI International Sarnoff  
 Wavelength Electronics Inc  
 Zephyr Photonics Inc

### RADAR

AWTI - 3rd Eye MobileVision  
 BEEcube Inc  
 Dexter Magnetic Technologies Inc  
 General Atomics Aeronautical Systems Inc  
 Interface Displays & Controls Inc  
 SENER  
 Statek Corp  
 Thermacore Inc  
 Wide Band Systems Inc

### SONAR

Applied Signal Technology Inc  
 Thermacore Inc

### TACTILE

Electronic Concepts & Engineering Inc  
 Jayco MMI Inc  
 Powell Electronics  
 Pyromation Inc  
 SpaceAge Control Inc  
 S-Products Inc  
 Tapeswitch Corp

### VISIBLE-LIGHT CAMERAS

Active Silicon Inc  
 Active Silicon Ltd  
 Alternative Vision Corp  
 Ball Aerospace & Technologies Corp  
 Crane Wireless Monitoring Solutions  
 Headwall Photonics Inc  
 Iscan Inc  
 Kappa optronics GmbH  
 Keo Scientific Ltd  
 Kowa Optimed Inc  
 Lumetrics Inc  
 MAZeT GmbH  
 Omega Engineering Inc  
 Photron Inc  
 PIXELTEQ  
 Princeton Lightwave Inc  
 Raytheon ELCAN Optical Technologies  
 Repair Zone  
 Sensors Unlimited - UTC Aerospace Systems  
 Specialised Imaging Inc  
 SRI International Sarnoff  
 Surface Optics Corp  
 Thermo Scientific - CIDTEC  
 Toshiba Imaging Systems Div  
 Video Scope International Ltd  
 Vision Components  
 XIMEA

## AIR DATA COMPUTERS

Curtiss-Wright Controls Avionics & Electronics  
DAC International Inc

## DESKTOP COMPUTERS

AbraxSys Corp  
Acnodes Corp  
AIM-USA  
Alacrity Services Inc  
Avitor International Corp  
Clear-Com  
Cyberchron Rugged Systems  
Dynamic Systems Inc  
General Dynamics C4 Systems  
MPL AG  
NCEE Labs  
NextComputing  
RTD Embedded Technologies  
Ten Tech LLC Engineering Services

## ELECTRONIC FLIGHT BAGS (EFTS)

Ballard Technology  
MICCAVIONICS GmbH

## EMBEDDED COMPUTERS

3D Plus USA Inc  
AbraxSys Corp  
ACCES I/O Products  
Acnodes Corp  
AQ Inducom  
Acromag Inc  
Active Silicon Inc  
Active Silicon Ltd  
Advantech Corp  
Aitech Defense Systems Inc  
Alacrity Services Inc  
Alonex Electronic Engineering Ltd  
Alphi Technology  
Avitor International Corp  
Ballard Technology  
Barco Federal Systems LLC  
Beyond Electronics Corp  
Cepoint Networks LLC



CES - Creative Electronic Systems SA

Chassis Plans  
Crystal Group Inc  
CSP Inc  
Curtiss-Wright Controls Defense Solutions  
Cyberchron Rugged Systems  
Dawn VME Products  
Electronic Concepts & Engineering Inc  
Elma Electronic Inc  
■ Extreme Engineering Solutions Inc (X-ES)  
(See ad page BG5)

Gaia Converter  
GDCA Inc  
General Dynamics C4 Systems  
Industrial PC Inc  
Innovative Integration

### ■ Kontron (See ad page BG7)

Logic PD  
Matrox Imaging  
MICCAVIONICS GmbH  
Modular Industrial Computer Inc  
Motion Maker Engineering  
Mountain Secure Systems  
MPL AG  
Nallatech  
NCEE Labs  
NextComputing  
One Stop Systems Inc  
Parvus Corp  
Pentek Inc  
Quantum3D Inc  
Rigel Engineering LLC  
Sabtech  
SeaLevel Systems  
SIE Computing Solutions Inc  
Sparton Complex Systems  
Systel Inc  
Ten Tech LLC Engineering Services

### ■ Themis Computer (See ad page BG8)

Trenton Systems Inc  
Vadatech Inc  
Validated Software Corp  
Vision Components  
ZNYX Networks

## LAPTOPS/NOTEBOOKS/ HAND-HELD COMPUTERS

AbraxSys Corp  
Acnodes Corp  
AIM-USA  
Alacrity Services Inc  
AMREL/American Reliance Inc  
Avitor International Corp  
Broadax Systems Inc  
Cepoint Networks LLC  
Crystal Group Inc  
Cyberchron Rugged Systems  
Diamond-MT Inc  
GaGe  
GammaTech Computer Corp  
General Dynamics C4 Systems  
General Dynamics Itronix Corp  
Getac  
GET Engineering Corp  
IBI Systems Inc  
■ Kontron  
(See ad page BG7)

Logic PD  
Mobile Desk  
Mooring Tech Inc  
National Instruments

NCEE Labs  
NextComputing  
One Stop Systems Inc  
Panasonic Computer Solutions Co  
Systel Inc  
TDL Inc  
Ten Tech LLC Engineering Services  
VT Systems

## MULTICOMPUTER SYSTEMS

AbraxSys Corp  
Acnodes Corp  
Aitech Defense Systems Inc  
Alacrity Services Inc  
Alonex Electronic Engineering Ltd  
Chassis Plans  
Crystal Group Inc  
CSP Inc  
Cyberchron Rugged Systems  
Forefronts Defense Systems  
■ Kontron  
(See ad page BG7)

March Electronics Inc  
Pentek Inc  
Rigel Engineering LLC  
Sabtech  
Systel Inc  
Trenton Systems Inc

## RACK-MOUNT COMPUTERS

AbraxSys Corp  
Acnodes Corp  
Advantech Corp  
AIM-USA  
Aitech Defense Systems Inc  
Alacrity Services Inc  
Alonex Electronic Engineering Ltd  
Ampex Data Systems Corp  
A'n D Cable Products Inc  
BEEcube Inc  
Broadax Systems Inc  
Canyonwest Cases  
Cepoint Networks LLC  
Chassis Plans  
Clear-Com  
Crystal Group Inc  
CSP Inc  
Cyberchron Rugged Systems  
Dawn VME Products  
EDT Inc  
GDCA Inc  
IBI Systems Inc  
Industrial PC Inc  
■ Kontron  
(See ad page BG7)

Microway Inc  
Modular Industrial Computer Inc  
Mountain Secure Systems  
MPL AG  
NextComputing  
One Stop Systems Inc  
Pentek Inc

Radisys  
Rave Computer Assoc Inc  
Sabtech  
SeaLevel Systems  
SIE Computing Solutions Inc  
Systel Inc  
Ten Tech LLC Engineering Services  
■ Themis Computer  
(See ad page BG8)

Trenton Systems Inc  
Vadatech Inc  
VITEC

## SERVERS

AbraxSys Corp  
ACCES I/O Products  
Acnodes Corp  
Alacrity Services Inc  
Ampex Data Systems Corp  
Cepoint Networks LLC  
Chassis Plans  
Clear-Com  
Crystal Group Inc  
Cyberchron Rugged Systems  
EDT Inc  
■ Kontron  
(See ad page BG7)

Microway Inc  
Systel Inc  
■ Themis Computer  
(See ad page BG8)

## SPECIALIZED COMPUTERS - TEMPEST

Acnodes Corp  
Aitech Defense Systems Inc  
Alacrity Services Inc  
BEEcube Inc  
Chassis Plans  
Cyberchron Rugged Systems  
Forefronts Defense Systems  
Mobile Desk  
Moog Protokraft  
MPL AG  
SIE Computing Solutions Inc  
Systel Inc

## WEARABLE COMPUTERS

Acnodes Corp  
Alacrity Services Inc  
AMREL/American Reliance Inc  
Cepoint Networks LLC  
Crystal Group Inc  
Cyberchron Rugged Systems  
General Dynamics C4 Systems  
Logic PD  
Mobile Desk  
NCEE Labs  
Parvus Corp

**AVIONICS HEALTH MANAGEMENT**

Alphi Technology  
Ballard Technology  
Curtiss-Wright Controls Avionics & Electronics  
Dawn VME Products  
General Digital Software Services  
NCEE Labs  
OPAL-RT Technologies  
Ridgetop Group Inc  
Zephyr Photonics Inc

**CLOCKS/TIMERS**

Beyond Electronics Corp  
TLC International  
Weschler Instruments

**ENGINE CONTROLS**

Electronic Concepts & Engineering Inc  
Gaia Converter  
General Digital Software Services  
OPAL-RT Technologies  
Tapeswitch Corp

**ENGINE MONITORING**

Alphi Technology  
■ **Crane Aerospace & Electronics**  
(See ad page BG15)  
Curtiss-Wright Controls Avionics & Electronics  
Electronic Concepts & Engineering Inc  
General Digital Software Services  
HITEC Sensor Solutions Inc  
Omega Engineering Inc

OPAL-RT Technologies  
Optocon AG  
Weschler Instruments  
Xenics

**FUEL MANAGEMENT SYSTEMS**

■ **Crane Aerospace & Electronics**  
(See ad page BG15)  
General Digital Software Services

**HEALTH AND USAGE MONITORING (HUMS)**

AcQ Inducom  
Curtiss-Wright Controls Avionics & Electronics  
Dawn VME Products

General Digital Software Services  
Impact Technical Services Ltd  
Interface Displays & Controls Inc

**ICE DETECTION**

All Flex Flexible Circuits & Heaters  
Curtiss-Wright Controls Avionics & Electronics  
General Digital Software Services  
Pyromation Inc

**OVERHEAT DETECTION**

Dawn VME Products  
General Digital Software Services  
Optocon AG  
Pyromation Inc  
Xenics

**CAMERAS**

Active Silicon Inc  
Active Silicon Ltd  
Alternative Vision Corp  
American Infrared Solutions (AIRS)  
Avalon RF  
AWTI - 3rd Eye MobileVision  
Axcel Photonics Inc  
Ball Aerospace & Technologies Corp  
Barco  
Carr Quality Compliance Consulting  
CohuHD  
eInfochips  
EO Strategies  
Gaia Converter  
General Atomics Aeronautical Systems Inc  
HoodTech Vision  
IRCameras LLC  
JJ Digital Technologies Pty Ltd  
Kappa optronics GmbH  
Kowa Optimed Inc  
Lenthor Engineering Inc  
Lockheed Martin Santa Barbara Focal Plane  
Matrox Imaging  
Multisorb Technologies Inc  
Raytheon ELCAN Optical Technologies  
Santa Barbara Infrared Inc  
Sensors Unlimited - UTC Aerospace Systems  
Sierra Olympic Technologies Inc (SOTI)  
SRI International Sarnoff

Stanford Photonics Inc  
Surface Optics Corp  
Teledyne Nova Sensors

Ten Tech LLC Engineering Services  
TLC International  
Vision Components  
West Coast Tech Ltd  
Xenics  
XIMEA

**ELECTRO-OPTIC MATERIALS AND SUBSTRATES**

Advanced Photonix Inc  
DeWAL Industries  
EGIDE USA Inc  
EO Strategies  
Gooch & Housego Plc  
Hilux LED Co Ltd  
HoodTech Vision  
L-3 Communications - Applied Optics Center  
Lasertec Inc  
Max Levy Autograph Inc  
OptoCity  
PG&O - Precision Glass & Optics  
Reynard Corp  
Ross Engineering Corp  
SENER  
United Lens Co Inc  
Vision Components  
West Coast Tech Ltd  
ZC&R Coatings for Optics

**FORWARD-LOOKING INFRARED SYSTEMS**

American Infrared Solutions (AIRS)  
Axcel Photonics Inc  
EO Strategies  
HoodTech Vision  
Lenthor Engineering Inc  
Raytheon ELCAN Optical Technologies  
Santa Barbara Infrared Inc  
Sensors Unlimited - UTC Aerospace Systems  
Sierra Olympic Technologies Inc (SOTI)  
Sparton Complex Systems  
Vishay Intertechnology Inc  
West Coast Tech Ltd

**LASER COMPONENTS**

American Laser Enterprises LLC  
Avo Photonics  
Axcel Photonics Inc  
Blue Sky Research  
Carr Quality Compliance Consulting  
Coherent Inc  
Del Mar Photonics Inc  
DILAS Diode Laser Inc  
EigenLight Corp  
■ **Evans Capacitor Co**  
(See ad page BG18)  
■ **Falcon Electronics**  
(See ad page BG10)  
Fiberguide Industries Inc  
Go4Fiber Ltd  
Gooch & Housego Plc

HoodTech Vision  
Infinite Optics Inc  
iXFiber  
Krell Technologies Inc  
Kugler of America Ltd  
Laser Components GmbH  
Lasertec Inc  
LEONI Fiber Optics Inc  
LPKF Laser & Electronics  
Max Levy Autograph Inc  
Micro Laser Systems Inc  
Modulight Inc  
Motion Maker Engineering  
Multisorb Technologies Inc  
nLIGHT  
Northrop Grumman Cutting Edge  
Optronics  
Nufern  
OptoCity  
Passat Inc  
Quantum Composers  
Raytheon ELCAN Optical Technologies  
Reynard Corp  
RPMC Lasers Inc  
Sacher Lasertechnik GmbH  
SENER  
Space Photonics Inc  
Tapeswitch Corp  
u2t photonics AG  
Visotek Inc  
Wavelength Electronics Inc  
West Coast Tech Ltd  
Zephyr Photonics Inc

**ELECTRO-OPTICS**

## LASERS

Advanced Optowave Corp  
 American Laser Enterprises LLC  
 Avo Photonics  
 Axcel Photonics Inc  
 Blue Sky Research  
 Carr Quality Compliance Consulting  
 Coherent Inc  
 Del Mar Photonics Inc  
 DILAS Diode Laser Inc  
 EigenLight Corp  
 EO Strategies  
 General Atomics Aeronautical Systems Inc  
 Gooch & Housego Plc  
 Keopsys SA  
 Kimmon Koha USA Inc  
 Krell Technologies Inc  
 LAS-CAD GmbH  
 Laser Components GmbH  
 Lasertec Inc  
 LPKF Laser & Electronics  
 Micro Laser Systems Inc  
 Modulight Inc  
 Motion Maker Engineering  
 MPB Communications  
 Newport Corp  
 nLIGHT  
 Northrop Grumman Cutting Edge Optronics  
 Nufern  
 OFS  
 OptoCity  
 Princeton Lightwave Inc  
 RPMC Lasers Inc  
 Sacher Lasertechnik GmbH  
 Sacher Lasertechnik LLC  
 SENER  
 SensUp  
 SPI Lasers UK Ltd  
 SurplusEQ.com Inc  
 Visotek Inc  
 West Coast Tech Ltd  
 WUHAN GSTAR Laser Technology Co Ltd  
 Zephyr Photonics Inc

## LEDS

AbraxSys Corp  
 Advanced Photonix Inc  
 Alternative Vision Corp  
 Aoming Electronic Co Ltd  
 Axcel Photonics Inc  
 Blue Sky Research  
 Carr Quality Compliance Consulting

DesignLED Technology (HK) Co Ltd  
 Diamond-MT Inc

EMTEQ  
**■ Falcon Electronics**  
 (See ad page BG10)

Hilux LED Co Ltd  
 Interface Displays & Controls Inc  
 Lambda Research Corp  
 LED Waves  
 MAZeT GmbH  
 Microsemi Corp  
 NCEE Labs  
 Nordson ASYMTEK  
 Opto Diode Corp  
 Orled  
 OSI OptoElectronics Inc  
 Peerless Electronics Inc  
 RPMC Lasers Inc  
 Smitties Lights and Sirens  
 StacoSystems  
 TTI Inc  
 Wilbrecht Ledco Inc

## LIGHTING

Alternative Vision Corp  
 Aoming Electronic Co Ltd  
 DesignLED Technology (HK) Co Ltd  
 Infinite Optics Inc  
 LED Waves  
 MAZeT GmbH  
 Modulight Inc  
 Orled  
 Reynard Corp  
 Smitties Lights and Sirens  
 STG Aerospace

## NIGHT VISION

AbraxSys Corp  
 Advanced Night Visions Systems Inc (ANVS)  
 Advanced Photonix Inc  
 Aerospace Optics Inc  
 All Flex Flexible Circuits & Heaters  
 American GMG Inc  
 American Infrared Solutions (AIRS)  
 Avalon RF  
 Axcel Photonics Inc  
 BE Meyers & Co Inc  
 CohuHD  
 Digital Systems Engineering Inc (DSE)  
 EO Strategies  
 Gaia Converter  
 HoodTech Vision  
 Infinite Optics Inc  
 Interface Displays & Controls Inc

IRCameras LLC  
 JJ Digital Technologies Pty Ltd

Kappa optronics GmbH  
 Kowa Optimed Inc

L-3 Electron Devices  
 Lensel Optics Pvt Ltd

Lenthor Engineering Inc

Max Levy Autograph Inc

NiCoForm Inc

Night Optics USA Inc

The Night Vision Store

Reynard Corp  
 Santa Barbara Infrared Inc

Sensors Unlimited - UTC Aerospace Systems

Sierra Olympic Technologies Inc (SOTI)

SRI International Sarnoff

SwissOptic AG

Thermoteknix Systems Ltd

West Coast Tech Ltd

Xenics

## OPTICAL AMPLIFIERS

Advanced Photonix Inc  
 EigenLight Corp  
 Keopsys SA  
 MPB Communications  
 nLIGHT  
 Nufern  
 Opto Diode Corp  
 OSI OptoElectronics Inc  
 Reynard Corp  
 RPMC Lasers Inc  
 Sacher Lasertechnik GmbH  
 Sacher Lasertechnik LLC  
 Specialised Imaging Inc

## OPTICAL COATINGS/ TREATMENTS

Deposition Sciences Inc (DSI)  
 Gooch & Housego Plc  
 Infinite Optics Inc  
 Kowa Optimed Inc  
 L-3 Communications - Applied Optics Center  
 Laser Components GmbH  
 Lasertec Inc  
 Lumetrics Inc  
 Master Bond  
 Max Levy Autograph Inc  
 Nufern  
 OptoCity  
 OSI OptoElectronics Inc  
 PG&O - Precision Glass & Optics

Raytheon ELCAN Optical Technologies

Reynard Corp  
 Sacher Lasertechnik LLC

Surface Optics Corp

SwissOptic AG

Timbercon

United Lens Co Inc

West Coast Tech Ltd

Westech Optical Corp

ZC&R Coatings for Optics

## OPTICAL DETECTORS

Advanced Photonix Inc  
 Alternative Vision Corp  
 Axcel Photonics Inc  
 Blue Sky Research  
 Esterline CMC Electronics  
**■ Falcon Electronics**  
 (See ad page BG10)

Gamma Scientific Light Measurement Solutions

HGH Infrared Systems

HoodTech Vision

Kowa Optimed Inc

Laser Components GmbH

MAZeT GmbH

MicroE Systems

Microsemi Corp

Opto Diode Corp

OSI OptoElectronics Inc

Photron Inc

Princeton Lightwave Inc

Sensors Unlimited - UTC Aerospace Systems

Specialised Imaging Inc

Tapeswitch Corp

Thermo Scientific - CIDTEC

Toshiba Imaging Systems Div

u2t photonics AG

Xenics

Zephyr Photonics Inc

## OPTICAL FIBER

Belden  
 Blue Sky Research  
 Corning Cable Systems  
 Eco Ideas  
 EigenLight Corp  
 Fiberguide Industries Inc  
 Go4Fiber Ltd  
 HUBER+SUHNER AG  
 iXFiber  
 Krell Technologies Inc  
 KVH Industries Inc  
 L-com Global Connectivity

LEONI Fiber Optics Inc  
 Micro Laser Systems Inc  
 Moog Protokraft  
 Nufern  
 OFS  
 Optical Cable Corp  
 Optocon AG  
 OPTOTEC SpA  
 Panduit Corp  
 Photon Control Inc  
 Primus Cable  
 Quagwire Technologies  
 Sabritec  
 Sacher Lasertechnik GmbH  
 Space Photonics Inc  
 TE Connectivity  
 Timbercon

### OPTICAL FILTERS

Alternative Vision Corp  
 Deposition Sciences Inc (DSI)  
 Infinite Optics Inc  
 Iridian Spectral Technologies  
 ISP Optics Corp  
 iXFiber  
 L-3 Communications - Applied Optics Center  
 Lasertec Inc  
 Max Levy Autograph Inc  
 MAZeT GmbH  
 Newport Corp  
 OptoCity  
 PG&O - Precision Glass & Optics  
 Reynard Corp  
 Surface Optics Corp  
 TLC International  
 United Lens Co Inc  
 West Coast Tech Ltd  
 ZC&R Coatings for Optics

### OPTICAL IMAGING

Alternative Vision Corp  
 American Infrared Solutions (AIRS)  
 Avalon RF  
 Delta Commercial Vision LLC  
 Eco Ideas  
 EO Strategies  
 H&L Instruments LLC  
 Headwall Photonics Inc  
 HGH Infrared Systems  
 HoodTech Vision  
 Infinite Optics Inc

Iscan Inc  
 ISP Optics Corp  
 Keo Scientific Ltd  
 Kowa Optimed Inc  
 Lambda Research Corp  
 Max Levy Autograph Inc  
 OptoCity  
 ORIENTIR  
 Photron Inc  
 Raytheon ELCAN Optical Technologies  
 Reynard Corp  
 Santa Barbara Infrared Inc  
 SENER  
 Sensors Unlimited - UTC Aerospace Systems  
 Sierra Olympic Technologies Inc (SOTI)  
 Specialised Imaging Inc  
 SRI International Sarnoff  
 Surface Optics Corp  
 Telops Inc  
 Toshiba Imaging Systems Div  
 Video Scope International Ltd  
 Westech Optical Corp  
 Xenics

### OPTICAL SWITCHES

Advanced Photonix Inc  
 Aerospace Optics Inc  
 DiCon Fiberoptics Inc  
 ■ Falcon Electronics  
 (See ad page BG10)  
 Fiberguide Industries Inc  
 Gooch & Housego Plc  
 Liteway Inc  
 OSI OptoElectronics Inc  
 Pickering Interfaces Inc  
 Quagwire Technologies  
 StacoSystems  
 SurplusEQ.com Inc

### OPTICAL TRANSCEIVERS

Applied Optoelectronics Inc  
 Beyond Electronics Corp  
 EigenLight Corp  
 Esterline CMC Electronics  
 H&L Instruments LLC  
 Moog Protokraft  
 Quagwire Technologies  
 Space Photonics Inc  
 Sparton Complex Systems  
 Tektronix Component Solutions

Teledyne Microelectronic Technologies  
 Third Millennium Engineering  
 Zephyr Photonics Inc

### OPTICS

Advanced Optics Inc  
 Alternative Vision Corp  
 Avo Photonics  
 Carr Quality Compliance Consulting  
 Del Mar Photonics Inc  
 Deposition Sciences Inc (DSI)  
 EigenLight Corp  
 EO Strategies  
 Gooch & Housego Plc  
 Headwall Photonics Inc  
 Infinite Optics Inc  
 IRCameras LLC  
 Iridian Spectral Technologies  
 ISP Optics Corp  
 Kowa Optimed Inc  
 L-3 Communications - Applied Optics Center  
 Krell Technologies Inc  
 Kugler of America Ltd  
 L-3 Communications - Applied Optics Center  
 Lambda Research Corp  
 LAS-CAD GmbH  
 Laser Components GmbH  
 Lasertec Inc  
 Lensel Optics Pvt Ltd  
 Max Levy Autograph Inc  
 Micro Laser Systems Inc  
 Newport Corp  
 Optical Cable Corp  
 OptoCity  
 ORIENTIR  
 PG&O - Precision Glass & Optics  
 Photon Control Inc  
 Quagwire Technologies  
 Raytheon ELCAN Optical Technologies  
 Reynard Corp

Sacher Lasertechnik LLC  
 Santa Barbara Infrared Inc  
 Sensors Unlimited - UTC Aerospace Systems  
 Space Photonics Inc  
 Surface Optics Corp  
 SurplusEQ.com Inc  
 SwissOptic AG  
 TE Connectivity  
 Telops Inc  
 TLC International

United Lens Co Inc  
 Visotek Inc  
 West Coast Tech Ltd  
 Westech Optical Corp  
 ZC&R Coatings for Optics  
 Zephyr Photonics Inc

### THERMAL IMAGING

Alternative Vision Corp  
 American Infrared Solutions (AIRS)  
 Axcel Photonics Inc  
 CohuHD  
 EO Strategies  
 Headwall Photonics Inc  
 HoodTech Vision  
 IRCameras LLC  
 Iridian Spectral Technologies  
 ISP Optics Corp  
 Kowa Optimed Inc  
 L-3 Communications - Applied Optics Center  
 Lenthor Engineering Inc  
 Max Levy Autograph Inc  
 NiCoForm Inc  
 Night Optics USA Inc  
 ORIENTIR  
 Raytheon Vision Systems  
 Reynard Corp  
 Santa Barbara Infrared Inc  
 Sensors Unlimited - UTC Aerospace Systems  
 Sierra Olympic Technologies Inc (SOTI)  
 Stanford Photonics Inc  
 Telops Inc  
 Thermoteknix Systems Ltd  
 Wavelength Electronics Inc  
 West Coast Tech Ltd  
 Xenics

### ULTRAVIOLET LIGHT SOURCES

Coherent Inc  
 Gamma Scientific Light Measurement Solutions  
 LED Waves  
 Micro Laser Systems Inc  
 OptoCity  
 Photon Control Inc  
 Reynard Corp  
 SurplusEQ.com Inc

## AUTOMATIC DEPENDENT SURVEILLANCE-BROADCAST (ADS-B) EQUIPMENT

Carr Quality Compliance Consulting  
PureTech Systems  
Rosco Vision Systems  
Sparton Complex Systems

## GPS SYSTEMS

Ashtech OEM  
GPS Source Inc  
Kearfott Corp  
L-3 Communications Interstate  
Electronics Corp

Midian Electronics Inc

Mobile Mark  
NCEE Labs  
Rosco Vision Systems  
RTD Embedded Technologies  
SENER

Spectracom  
Systel Inc  
VectorNav Technologies LLC

## TERRAIN

Avalon RF

# PLATFORM SYSTEMS/SUBSYSTEMS

## AUTOPILOTS

HoodTech Vision  
Jewell Instruments

## AVIONICS

AcQ Inducom  
Advanced Conversion Technology Inc  
Aerospace Optics Inc  
Ametek Aerospace & Defense  
Amphenol PCD  
Avionics Interface Technologies (AIT)  
AWT-Global LLC  
Ballard Technology  
Barco Federal Systems LLC



Clear-Com  
Craig Technologies  
**■ Crane Aerospace & Electronics (See ad page BG15)**  
Curtiss-Wright Controls Avionics & Electronics  
Curtiss-Wright Controls Defense Solutions  
Digital Systems Engineering Inc (DSE)  
EaglePicher Technologies LLC  
EdmondMarks Technologies  
elInfochips  
ELDEC  
Elma Electronic Inc  
EMTEQ  
Essex Industries  
Esterline CMC Electronics  
**■ Extreme Engineering Solutions Inc (X-ES) (See ad page BG5)**  
**■ Falcon Electronics (See ad page BG10)**  
Holt Integrated Circuits  
Honeywell Aerospace  
Interpoint

Jewell Instruments

Kearfott Corp  
Keltec  
**■ Kontron (See ad page BG7)**  
Lenthor Engineering Inc  
Merrimac  
Moog Protokraft  
Multisorb Technologies Inc  
North Atlantic Industries Inc  
Parvus Corp  
PIC Wire & Cable  
Psychsoftpc  
Pulse Electronics  
QSDM Inc  
Sandel Avionics  
SENER  
Sensitron Semiconductor  
Sensoray Co Inc  
SIE Computing Solutions Inc  
Signal Technology  
SpaceAge Control Inc  
Sparton Complex Systems  
Speel Praha Ltd  
StacoSystems  
Statek Corp  
TDL Inc  
Ten Tech LLC Engineering Services  
Teradyne  
VDesign Technologies  
VectorNav Technologies LLC

## CABIN MANAGEMENT SYSTEMS

elInfochips  
Faria Performance  
Sensoray Co Inc

## COUNTERMEASURES

CTT Inc  
dB Control  
MC Countermeasures Inc  
Sensoray Co Inc  
Sparton Complex Systems

## ELECTRONIC FLIGHT

**INSTRUMENT SYSTEMS (EFIS)**  
Gaia Converter  
Kappa optronics GmbH  
Ten Tech LLC Engineering Services

## LANDING SYSTEMS

Interface Inc

## LIGHTING

DLS Electronic Systems Inc  
Interface Displays & Controls Inc  
MAZeT GmbH  
Orled

## LIGHT MANAGEMENT SYSTEMS

Alonex Electronic Engineering Ltd  
MAZeT GmbH

## NAVIGATION EQUIPMENT

Advanced Conversion Technology Inc  
Applied Signal Technology Inc  
AWT-Global LLC  
Dawn VME Products  
Esterline CMC Electronics  
Interface Displays & Controls Inc  
Kearfott Corp  
KVH Industries Inc  
Lenthor Engineering Inc  
MICCAVIONICS GmbH  
Mobile Mark  
North Atlantic Industries Inc  
QSDM Inc

Rockwell Collins

Sandel Avionics

SENER

Sensoray Co Inc

Statek Corp

VectorNav Technologies LLC

## SATELLITE SYSTEMS

Berliner Glas KGaA Herbert Kubatz GmbH & Co  
EaglePicher Technologies LLC

GE Intelligent Platforms

Lenthor Engineering Inc  
Parvus Corp  
Sabtech  
Ten Tech LLC Engineering Services  
ViaSat Inc

## SECURITY SYSTEMS

Active Silicon Inc  
Active Silicon Ltd  
Alonex Electronic Engineering Ltd  
Cepoint Networks LLC  
GE Intelligent Platforms  
Sensoray Co Inc  
Tapeswitch Corp  
Vidcie

## SHIPBOARD/MARITIME ELECTRONICS

Advanced Conversion Technology Inc  
Avionics Interface Technologies (AIT)  
Axiomatic Technologies Corp  
CES - Creative Electronic Systems SA  
**■ Crane Aerospace & Electronics (See ad page BG15)**

Dawn VME Products  
Digital Systems Engineering Inc (DSE)

ELDEC  
Elma Electronic Inc  
GE Intelligent Platforms  
Interpoint  
Keltec  
**■ Kontron (See ad page BG7)**

KVH Industries Inc  
L-com Global Connectivity  
MC Countermeasures Inc  
Merrimac  
Moog Protokraft  
North Atlantic Industries Inc  
OPHIR RF  
Parvus Corp  
PICO Electronics Inc  
PIC Wire & Cable  
QSDM Inc  
RGB Spectrum

SENER  
Sensoray Co Inc  
Signal Technology  
Smiths Connectors  
StacoSystems  
TDL Inc  
Thermacore Inc  
Ultra Electronics EMS

## TRAINING AND SIMULATION

Avionics Interface Technologies (AIT)  
AWT-Global LLC  
Barco Federal Systems LLC  
CAE  
CAE USA  
CES - Creative Electronic Systems SA  
Clear-Com  
Craig Technologies  
Delta Digital Video  
Garwood Laboratories Inc  
JENOPIK I Defense & Civil Systems  
L-3 Electron Devices

MC Countermeasures Inc  
Milestones Building and Design  
Psychsoftpc  
Quantum3D Inc  
RGB Spectrum  
Rockwell Collins  
SENER  
Sensoray Co Inc  
Simlat Ltd  
Sparton Complex Systems  
VT Systems

## UNMANNED VEHICLES

AcQ Inducom  
Active Silicon Inc  
Active Silicon Ltd  
Advanced Conversion Technology Inc  
Barco Federal Systems LLC  
Clear-Com  
Craig Technologies  
■ Crane Aerospace & Electronics  
(See ad page BG15)

Curtiss-Wright Controls Avionics & Electronics  
Delta Digital Video  
EaglePicher Technologies LLC  
EdmondMarks Technologies  
ELDEC  
■ Extreme Engineering Solutions Inc (X-ES)  
(See ad page BG5)  
■ Falcon Electronics  
(See ad page BG10)  
FLIR Systems Inc  
GE Intelligent Platforms  
Kappa optronics GmbH  
Lenthor Engineering Inc  
Moog Protokraft  
Parvus Corp  
Rigel Engineering LLC  
Sabtech  
Santa Barbara Infrared Inc  
Sensitron Semiconductor  
Simlat Ltd  
VectorNav Technologies LLC

## VETRONICS

Advanced Conversion Technology Inc  
Aerospace Optics Inc  
Ballard Technology  
Barco Federal Systems LLC  
CES - Creative Electronic Systems SA  
Digital Systems Engineering Inc (DSE)  
Elma Electronic Inc  
GE Intelligent Platforms  
Holt Integrated Circuits  
■ Kontron  
(See ad page BG7)  
North Atlantic Industries Inc  
Parvus Corp  
Pleora Technologies Inc  
Sensitron Semiconductor  
SIE Computing Solutions Inc  
TDL Inc  
Thermacore Inc

## WEIGHT AND BALANCE SYSTEMS

Sensoray Co Inc

## AMPLIFIERS

Advanced Microwave Products  
Aethercomm Inc  
API Technologies Corp  
AR Modular RF  
Arrow Electronics Inc  
Avalon RF  
Carr Quality Compliance Consulting  
Comdel Inc  
CTT Inc  
dB Control  
Dynamac Inc  
Excel Wireless  
■ Falcon Electronics  
(See ad page BG10)  
GPS Source Inc  
Intersil Corp  
KAMAKA Electronic Bauelemente Vertriebs GmbH  
Keltec  
L-3 Communications Interstate Electronics Corp  
L-com Global Connectivity  
Mercury Systems  
Merrimac  
Microsemi Corp  
Microvolt Electronics  
Mistral Solutions  
MS Kennedy Corp

National Semiconductor  
NuWaves Engineering Ltd  
OPHIR RF  
Pickering Interfaces Inc  
Powell Electronics  
Sensitron Semiconductor  
SHF Communication Technologies AG  
Signal Technology  
StratoPak Inc  
Taconic  
TESSCO Technologies

## ANTENNAS

API Technologies Corp  
ASC Signal Corp  
Avalon RF  
Ball Aerospace & Technologies Corp  
Clear-Com  
Cobham Antenna Systems  
Comtelco Industries Inc  
Excel Wireless  
Fralock  
GPS Source Inc  
HUBER+SUHNER AG  
L-3 Electron Devices  
L-com Global Connectivity  
Max Levy Autograph Inc  
Microvolt Electronics

Mobile Mark  
Powell Electronics  
Taconic  
TECOM Industries Inc  
TESSCO Technologies  
ViaSat Inc  
Wide Band Systems Inc

## DIPLEXERS/MULTIPLEXERS

API Technologies Corp  
Carr Quality Compliance Consulting  
Dielectric Laboratories  
Dynamac Inc  
GPS Source Inc  
Microlab (A Wireless Telecom Group Co)  
Microvolt Electronics  
MtronPTI  
NuWaves Engineering Ltd  
Pickering Interfaces Inc  
SHF Communication Technologies AG  
TESSCO Technologies

Dielectric Laboratories  
Dynamac Inc

■ Falcon Electronics  
(See ad page BG10)

Gooch & Housego Plc  
GPS Source Inc  
Integra Technologies  
Mercury Systems  
Microlab (A Wireless Telecom Group Co)  
Microsemi Corp  
Microvolt Electronics  
Noisecom (A Wireless Telecom Group Co)  
Positronic  
Powell Electronics  
Pulse Electronics  
TE Connectivity  
TTI Inc  
u2t photonics AG  
Wavelength Electronics Inc  
Winchester Electronics

## DISCRETE COMPONENTS

Aeroflex Weinschel  
BI Technologies  
Cobham Antenna Systems  
■ Crane Aerospace & Electronics  
(See ad page BG15)

## FILTERS

Aeroflex Signal & Control Solutions  
Agilent Technologies Inc  
API Technologies Corp  
Dielectric Laboratories  
DJM Electronics

Dynamac Inc  
 Gooch & Housego Plc  
 GPS Source Inc  
 L-com Global Connectivity  
 March Electronics Inc  
 Max Levy Autograph Inc  
 Mercury Systems  
 Merrimac  
 Microlab (A Wireless Telecom Group Co)  
 Microvolt Electronics  
 Mixed Signal Integration Corp  
 MS Kennedy Corp  
 MtronPTI  
 NuWaves Engineering Ltd  
**■ Quell Corp**  
 (See ad page BG13)  
 Radius Power  
 Raycom Electronics  
 Sealing Devices Inc  
 Signal Technology  
 StratoPak Inc  
 Tektronix Component Solutions  
 TTI Inc

## FREQUENCY SYNTHESIZERS

Comdel Inc  
**■ Crane Aerospace & Electronics**  
 (See ad page BG15)  
 Merrimac  
 Microvolt Electronics  
 Mistral Solutions  
 NuWaves Engineering Ltd  
 Signal Technology  
 StratoPak Inc  
 Wide Band Systems Inc

## HYBRIDS

Advanced Photonix Inc  
 BI Technologies  
**■ Crane Aerospace & Electronics**  
 (See ad page BG15)  
 KAMAKA Electronic Bauelemente  
 Vertriebs GmbH  
 Merrimac  
 Microlab (A Wireless Telecom Group Co)  
 Microvolt Electronics  
 Pulse Electronics  
 Signal Technology  
 Tektronix Component Solutions  
 Teledyne Microelectronic Technologies

## MICROWAVE SUBASSEMBLIES

Advanced Microwave Products  
 Aeroflex Signal & Control Solutions  
 Aeroflex Weinschel

Aethercomm Inc  
**■ Crane Aerospace & Electronics**  
 (See ad page BG15)  
 CTT Inc  
 Dielectric Laboratories  
 Dynamac Inc  
 HUBER+SUHNER AG  
 Hunter Technology Corp  
 Merrimac  
 Microlab (A Wireless Telecom Group Co)  
 Microvolt Electronics  
 OPHIR RF  
 Pickering Interfaces Inc  
 RF Precision Products  
 Servometer  
 Signal Technology  
 StratoPak Inc  
 Tektronix Component Solutions  
 Teledyne Microelectronic Technologies  
 Teledyne Storm Microwave  
 u2t photonics AG  
 ViaSat Inc

## MIXED-SIGNAL DEVICES

API Technologies Corp  
 ASIC Advantage Inc  
 BI Technologies  
 Cobham Antenna Systems  
**■ Crane Aerospace & Electronics**  
 (See ad page BG15)  
 Dynamac Inc  
**■ Falcon Electronics**  
 (See ad page BG10)  
 GPS Source Inc  
 HUBER+SUHNER AG  
 Kensington Electronics Inc  
 Logic PD  
 Mercury Systems  
 Merrimac  
 Microvolt Electronics  
 Mixed Signal Integration Corp  
 Ridgetop Group Inc  
 Signal Technology  
 Sparton Complex Systems  
 StratoPak Inc  
 Tektronix Component Solutions

## MMICS

Microvolt Electronics  
 ViaSat Inc

## OSCILLATORS/ SYNTHESIZERS

**■ Crane Aerospace & Electronics**  
 (See ad page BG15)  
 Device Engineering Inc

**■ Falcon Electronics**  
 (See ad page BG10)  
 Hunter Technology Corp  
 Merrimac  
 Microsemi Corp  
 Microvolt Electronics  
 Mixed Signal Integration Corp  
 MtronPTI  
 NuWaves Engineering Ltd  
 Signal Technology  
 Spectracom  
 StratoPak Inc  
 Tektronix Component Solutions  
 Ultraview Corp

## RF ATTENUATORS

Agilent Technologies Inc  
 API Technologies Corp  
 Coaxial Components Corp (Coaxicom)  
**■ Crane Aerospace & Electronics**  
 (See ad page BG15)

Dynamac Inc  
 Dynamic Systems Inc  
 Excel Wireless  
 Gooch & Housego Plc  
 GPS Source Inc  
 Honeywell Microelectronics & Precision Sensors  
 HUBER+SUHNER AG  
 Mercury Systems  
 Merrimac  
 Microlab (A Wireless Telecom Group Co)  
 Microvolt Electronics  
 Pickering Interfaces Inc  
 RF Precision Products  
 Signal Technology  
 Teledyne Relays Europe  
 Teledyne Relays US  
 TESSCO Technologies

## RF PACKAGING

Dynamac Inc  
 EGIDE USA Inc  
 Fralock  
 HUBER+SUHNER AG  
 Microvolt Electronics  
 StratoPak Inc  
 Taconic  
 Tech Products Inc  
 Tektronix Component Solutions  
 Teledyne Microelectronic Technologies  
 TESSCO Technologies

## RF SWITCHES

Aeroflex Signal & Control Solutions  
 Aethercomm Inc

Agilent Technologies Inc  
 API Technologies Corp  
**■ Crane Aerospace & Electronics**  
 (See ad page BG15)  
 Electro-Mech Components Inc  
 Gooch & Housego Plc  
 GPS Source Inc  
 Honeywell Microelectronics & Precision Sensors  
 Liteway Inc  
 Mercury Systems  
 Merrimac  
 Microsemi Corp  
 Microvolt Electronics  
 Mistral Solutions  
 Pickering Interfaces Inc  
 Powell Electronics  
 Signal Technology  
 Tapeswitch Corp  
 Teledyne Relays Europe  
 Teledyne Relays US  
 TTI Inc

## SIGNAL GENERATORS

Agilent Technologies Inc  
 Averna  
 AWT-Global LLC  
 Berkeley Nucleonics Corp  
 Epiq Solutions  
 GPS Source Inc  
 MC Countermeasures Inc  
 Noisecom (A Wireless Telecom Group Co)  
 Pickering Interfaces Inc  
 Quantum Composers  
 Saelig Co Inc  
 SHF Communication Technologies AG  
 Spectracom  
 ViaSat Inc

## TRANSMIT/RECEIVE MODULES

Advanced Microwave Products  
 Aethercomm Inc  
 Avalon RF  
 Averna  
**■ Crane Aerospace & Electronics**  
 (See ad page BG15)  
 CTT Inc  
 Device Engineering Inc  
 Epiq Solutions  
 Innovative Integration  
 Keltec  
 Logic PD  
 Merrimac  
 Microvolt Electronics  
 Modulight Inc  
 NuWaves Engineering Ltd

OPHIR RF  
Pentek Inc  
Powell Electronics  
Pulse Electronics  
Signal Technology  
StratoPak Inc  
u2t photonics AG  
VDesign Technologies

**UP/DOWN CONVERTERS**  
4DSP LLC  
Avalon RF  
Averna  
Behlman Electronics Inc  
**■ Crane Aerospace & Electronics**  
(See ad page BG15)  
CTT Inc

Hunter Technology Corp  
Innovative Integration  
MEGA Electronics Inc  
Merrimac  
Mixed Signal Integration Corp  
NuWaves Engineering Ltd  
PICO Electronics Inc



Signal Technology  
Tektronix Component Solutions

## SAFETY EQUIPMENT AND COMPONENTS

### ALARM SYSTEMS

AWTI - 3rd Eye MobileVision  
General Digital Software Services  
LRAD Corp  
Puleo Electronics Inc  
Rosco Vision Systems  
Tapeswitch Corp

### ANTI-ICING EQUIPMENT

All Flex Flexible Circuits & Heaters  
Curtiss-Wright Controls Avionics & Electronics

### ANTI-STATIC EQUIPMENT

**■ Quell Corp**  
(See ad page BG13)

### COLLISION AVOIDANCE SYSTEMS

AWTI - 3rd Eye MobileVision  
General Digital Software Services  
Tapeswitch Corp

### EMI/RFI

DLS Electronic Systems Inc  
Gaia Converter  
Hi-Tech Controls

InTalTech Ltd  
Kensington Electronics Inc  
NCEE Labs  
OPHIR RF  
Optocon AG  
**■ Quell Corp**  
(See ad page BG13)  
Raycom Electronics  
Servometer  
Systel Inc

### FIRE DETECTION

Advanced Photonix Inc  
Curtiss-Wright Controls Avionics & Electronics

### STALL WARNING

General Digital Software Services

### TERRAIN AWARENESS WARNING SYSTEMS (TAWS)

General Digital Software Services  
MICCAVIONICS GmbH

### WINDSHEAR WARNING SYSTEMS

General Digital Software Services

### ASSEMBLY/SUBCONTRACT SERVICES

AbelConn LLC  
Adaptive Innovations  
ADCO Circuits  
Advanced Industrial Coatings Inc  
Aeroflex Colorado Springs  
Aeroflex Plainview  
Aeroflex RAD  
Amphenol Alden Products Co  
Austin Semiconductor Inc  
Aviel Electronics  
Avittor International Corp  
Avon Engineering Supplies Ltd  
Axcel Photonics Inc  
Berliner Glas KGaA Herbert Kubatz GmbH & Co  
BEST Inc  
Chassis Plans  
Contract Manufacturing Consultants Inc  
Craig Technologies

CTT Inc  
Custom Engineering Co  
dB Control  
DILAS Diode Laser Inc  
EdmondMarks Technologies  
Elan Technical Corp  
Electro-Mech Components Inc  
Essex Industries  
Federal Electronics Inc  
Fiberguide Industries Inc  
FileCatalyst  
Fischer Connectors Inc  
Fralock  
GDCA Inc  
HALT and HASS Labs  
Hunter Technology Corp  
InTalTech Ltd  
iXFiber  
Jayco MMI Inc  
Jewell Instruments  
LAI International Inc  
Latchways Plc

L-com Global Connectivity  
Lenthor Engineering Inc  
LEONI Fiber Optics Inc  
Logic PD  
March Electronics Inc  
Master Bond  
Milestones Building and Design  
Motion Maker Engineering  
MS Kennedy Corp  
MTI Electronics  
Murrietta Circuits  
Nelson Design Services Inc  
NiCoForm Inc  
nLIGHT  
Nordson ASYMTEK  
NuWaves Engineering Ltd  
OptoCity  
OPTOTEC SpA  
PIC Wire & Cable  
Powell Electronics  
Power Innovations International Inc  
QSDM Inc

Reynard Corp  
RF Precision Products  
Sealcon LLC  
Signet FPD Inc  
Six Sigma  
Sparton Complex Systems  
S-Products Inc  
Surface Mount Technology Corp  
SwissOptic AG  
Switching Power Inc  
Sypris Electronics LLC  
TASC Technical & Assembly Services Corp  
TEAL Electronics  
Tektronix Component Solutions  
Teledyne Microelectronic Technologies  
Thermocarbon Inc  
Third Millennium Engineering  
TLC International  
Visotek Inc  
Winchester Electronics  
Winslow Automation

## SERVICES

# SERVICES

## CONSULTANTS

Adaptive Innovations  
Advanced Thermal Solutions Inc  
AEI Systems  
Aero Nav Laboratories  
Aerosim Flight Academy  
Alacrity Services Inc  
Allied Industrial Marketing  
Alphi Technology  
Alternative Vision Corp  
American Laser Enterprises LLC  
A'n D Cable Products Inc  
Atego  
Beyond Electronics Corp  
Carr Quality Compliance Consulting  
Contract Manufacturing Consultants Inc  
Crane Wireless Monitoring Solutions  
Delta Commercial Vision LLC  
DeTect Inc  
Develeast SA  
DLS Electronic Systems Inc  
Dynamic Systems Inc  
Electronic Concepts & Engineering Inc  
Embassy Global LLC  
Enea  
EO Strategies  
FileCatalyst  
Forefronts Defense Systems  
Garwood Laboratories Inc  
Green Hills Software Inc  
Growth Technical Marketing  
HALT and HASS Labs  
IEC & Associates  
Impulse Accelerated Technologies  
Industrial Training Consultants Inc  
INICORE Inc  
Integra Technologies  
Jayco MMI Inc  
Keo Scientific Ltd  
The Light Brigade Inc  
Logic PD  
Milestones Building and Design  
Motion Maker Engineering

Nelson Design Services Inc  
Ness Engineering Inc  
Northwest EMC Inc  
NuWaves Engineering Ltd  
Objective Interface Systems Inc  
OptoCity  
Orled  
Pinnacle Data Systems  
Power Innovations International Inc  
Puleo Electronics Inc  
Ridgetop Group Inc  
Rigel Engineering LLC  
San Francisco Circuits  
Sparton Complex Systems  
Specialised Imaging Inc  
Strataplex Inc  
SuperPower Inc  
Synopsys Inc  
Systel Inc  
Tata Technologies Ltd  
TeamEDA Inc  
Ten Tech LLC Engineering Services  
TLC International  
Viking Equipment Finance  
Visotek Inc

## DESIGN ENGINEERING

Advanced Conversion Technology Inc  
Advanced Industrial Coatings Inc  
Advantech Corp  
American Laser Enterprises LLC  
API Technologies Corp  
Axcel Photonics Inc  
Barco Federal Systems LLC  
Beyond Electronics Corp  
Boker's Inc  
Chassis Plans  
Craig Technologies  
**Crane Aerospace & Electronics**  
**(See ad page BG15)**  
Custom Engineering Co  
Develeast SA  
Digital Systems Engineering Inc (DSE)  
DNB Engineering Inc

Duraflex Inc  
EdmondMarks Technologies  
elInfochips  
Epiq Solutions  
Fancort Industries Inc  
GPS Source Inc  
Handling Specialty Manufacturing Ltd  
HITEC Sensor Solutions Inc  
Hunter Technology Corp  
INICORE Inc  
InTaTech Ltd  
Integra Technologies  
Interconnect Systems Inc  
Jazz Semiconductor Inc  
Jewell Instruments  
LAI International Inc  
Lensel Optics Pvt Ltd  
Marvin Land Systems Inc  
Motion Maker Engineering  
MSP Corp  
Nallatech  
Northwire Inc  
OptoCity  
Orled  
Positronic  
Power Innovations International Inc  
Puleo Electronics Inc  
Quantum Composers  
Rambus Inc  
Raycom Electronics  
Raytheon Vision Systems  
Reynard Corp  
Rigel Engineering LLC  
Sabtech  
Santa Barbara Infrared Inc  
SAP Americas Inc  
SensUp  
Signet FPD Inc  
Surface Optics Corp  
SynaptiCAD the Timing Diagram Co  
Sypris Electronics LLC  
Tata Technologies Ltd  
Telesis Technologies Inc  
Telops Inc

Thermocarbon Inc  
Vadatech Inc  
Vision Components  
**VPT Inc**  
**(See ad page BG17)**  
VT Systems  
Xiamen SET Electronics Co Ltd

## DISTRIBUTORS

Aero Express Inc  
Allied International  
Alphabyte Technology  
Alternative Vision Corp  
American GMG Inc  
Arrow Electronics Inc  
Avon Engineering Supplies Ltd  
BEST Inc  
Butler Mfg  
Cable Labels USA  
Canyonwest Cases  
DAC International Inc  
**Falcon Electronics**  
**(See ad page BG10)**  
FileCatalyst  
Fralock  
JTime Inc  
Kensington Electronics Inc  
LPKF Laser & Electronics  
Mooring Tech Inc  
Motion Maker Engineering  
Nelco Products  
The Night Vision Store  
Powell Electronics  
Primus Cable  
ProMotion Engineering Inc  
Psychsoftpc  
Ronco  
Saelig Co Inc  
Sealcon LLC  
Shields Co  
Smitties Lights and Sirens  
SuperPower Inc  
TTI Inc  
Weschler Instruments

# SOFTWARE

## APPLICATIONS

Active Sensing Inc  
AIM-USA  
Atego  
Avionics Interface Technologies (AIT)  
Avittor International Corp  
Carr Quality Compliance Consulting  
Compsim  
ComSpec USA Ltd

Craig Technologies  
dSPACE Inc  
Dynamic Systems Inc  
EcoSys  
elInfochips  
Esterline CMC Electronics  
FileCatalyst  
Generic Logic Inc  
GridPlex Networks

Impulse Accelerated Technologies  
Klocwork  
K-Sun Corp  
Logic PD  
LinuxWorks Inc  
Mega-Fabs Motion Systems Ltd  
MICCAVIONICS GmbH  
Objective Interface Systems Inc  
Open iT Inc

Photron Inc  
Puleo Electronics Inc  
Real-Time Innovations  
Sabtech  
Telkonet Inc  
Vision Components  
VITEC  
VXI Technology Inc

## COMMUNICATIONS/ NETWORKING

Alacrity Services Inc  
Applied Signal Technology Inc  
Avalon RF  
Barco Federal Systems LLC  
Cable Labels USA  
CES - Creative Electronic Systems SA  
Clear-Com  
Dynamic Systems Inc  
Epic Solutions  
**■ Falcon Electronics**  
**(See ad page BG10)**  
 FileCatalyst  
 Generic Logic Inc  
 Green Hills Software Inc  
 GridPlex Networks  
 H&L Instruments LLC  
 Honeywell Aerospace  
 Impulse Accelerated Technologies  
 Leidos  
 LnxWorks Inc  
 Objective Interface Systems Inc  
 Panduit Corp  
 Pleora Technologies Inc  
 Primus Cable  
 Puleo Electronics Inc  
 Real-Time Innovations  
 Synopsys Inc  
 Sypris Electronics LLC  
 SYSGO  
 Telkonet Inc  
 Twisted Pair Solutions Inc  
 Vector Informatik GmbH  
 VITEC  
 ZNYX Networks

## DATABASE MANAGEMENT

Active Sensing Inc  
 Averna  
 Leidos  
 McObject  
 MICCAVIONICS GmbH

## DATABASES

Active Sensing Inc  
 McObject  
 TeamEDA Inc

## DATA SECURITY

Alacrity Services Inc  
 Applied Signal Technology Inc  
 Atego  
 Avittor International Corp  
 Dynamic Systems Inc  
**■ Falcon Electronics**  
**(See ad page BG10)**  
 Global Training Solutions Inc  
 Green Hills Software Inc  
 Impulse Accelerated Technologies

Klocwork  
 Leidos  
 LnxWorks Inc  
 Objective Interface Systems Inc  
 Telkonet Inc

## DESIGN AND DEVELOPMENT TOOLS

Active Sensing Inc  
 AEI Systems  
 Aero Nav Laboratories  
 Agilent Technologies Inc  
 Aldec Inc  
 Atego  
 Avionics Interface Technologies (AIT)  
 Ballard Technology  
 BittWare  
 CES - Creative Electronic Systems SA  
 ComSpec USA Ltd  
 Data Device Corp (DDC)  
 DDC-I Inc  
 dSPACE Inc  
 ELANIX Inc  
 FileCatalyst  
 General Digital Software Services  
 Generic Logic Inc  
 Green Hills Software Inc  
 GUISYS Corp  
 Hitex Development Tools GmbH  
 Impulse Accelerated Technologies  
 Klocwork  
 Lambda Research Corp  
 LAS-CAD GmbH  
 Logic PD  
 LnxWorks Inc  
 McObject  
 Mega-Fabs Motion Systems Ltd  
 Mentor Graphics  
 Motion Maker Engineering  
 nLIGHT  
 Objective Interface Systems Inc  
 Praxis Optics  
 Real-Time Innovations  
 SAP Americas Inc  
 SynaptiCAD the Timing Diagram Co  
 Synopsys Inc  
 Systel Inc  
 Vector Informatik GmbH  
 Vision Components

## DOCUMENT MANAGEMENT SYSTEMS

Active Sensing Inc  
 FileCatalyst

## ELECTRONIC DESIGN AUTOMATON (EDA)

Active Sensing Inc  
 elnfochips  
 FileCatalyst

Impulse Accelerated Technologies  
 SAP Americas Inc

## GRAPHICS AND SIMULATION

Active Silicon Ltd  
 AIM-USA  
 Ballard Technology  
 CES - Creative Electronic Systems SA  
 Compsim  
 ComSpec USA Ltd  
 Craig Technologies  
 dSPACE Inc  
 Eco Ideas  
 elnfochips  
 FileCatalyst  
 Generic Logic Inc  
 Global Training Solutions Inc  
 GUISYS Corp  
 Impulse Accelerated Technologies  
 Industrial Training Consultants Inc  
 Objective Interface Systems Inc  
 Quantum3D Inc  
 Rastergraf Inc  
 Simlat Ltd  
 SynaptiCAD the Timing Diagram Co  
 Vector Informatik GmbH

## INFORMATION SECURITY

Atego  
 Avittor International Corp  
 Dynamic Systems Inc  
 Global Training Solutions Inc  
 Green Hills Software Inc  
 Klocwork  
 Leidos  
 LnxWorks Inc  
 Objective Interface Systems Inc  
 Sypris Electronics LLC  
 SYSGO

## MOVING MAPS

Alacrity Services Inc  
 Interface Displays & Controls Inc  
 MICCAVIONICS GmbH

## OPERATING SYSTEMS

Alacrity Services Inc  
 Beyond Electronics Corp  
 ComSpec USA Ltd  
 Dynamic Systems Inc  
 Enea  
 Global Training Solutions Inc  
 Green Hills Software Inc  
 Logic PD  
 LnxWorks Inc  
 Microway Inc  
 Motion Maker Engineering  
 Santa Barbara Infrared Inc  
 SAP Americas Inc  
 SYSGO

Validated Software Corp

## PRODUCT LIFE CYCLE MANAGEMENT (PLM)

Active Sensing Inc  
 Atego  
 Averna  
 Avionics Interface Technologies (AIT)  
 Craig Technologies  
 EcoSys  
 SAP Americas Inc  
 Systel Inc

## PROGRAMMING LANGUAGES

Alacrity Services Inc  
 Atego  
 DDC-I Inc  
 Dynamic Systems Inc  
 elnfochips  
 Global Training Solutions Inc  
 Green Hills Software Inc  
 Impulse Accelerated Technologies  
 Klocwork  
 Mega-Fabs Motion Systems Ltd

## REAL-TIME OPERATING SYSTEMS (RTOS) AND KERNELS

Avittor International Corp  
 CES - Creative Electronic Systems SA  
 DDC-I Inc  
 Dynamic Systems Inc  
 elnfochips  
 General Digital Software Services  
 Green Hills Software Inc  
 Hitex Development Tools GmbH  
 LnxWorks Inc  
 SYSGO  
 Validated Software Corp

## SOFTWARE CODE DESIGN, TEST, AND VERIFICATION

AIM-USA  
 Atego  
 Averna  
 Avionics Interface Technologies (AIT)  
 Craig Technologies  
 elnfochips  
 Green Hills Software Inc  
 Hitex Development Tools GmbH  
 Impulse Accelerated Technologies  
 Klocwork  
 LnxWorks Inc  
 Puleo Electronics Inc  
 Ridgetop Group Inc  
 Sypris Electronics LLC  
 Validated Software Corp  
 Vision Components

## CALIBRATION EQUIPMENT

4DSP LLC  
Averna  
Carr Quality Compliance Consulting  
Cobham Antenna Systems  
Gamma Scientific Light Measurement Solutions  
Gooch & Housego Plc  
HUBER+SUHNER AG  
Interface  
Interface Inc  
Max Levy Autograph Inc  
MC Countermeasures Inc  
Omega Engineering Inc  
OPAL-RT Technologies  
OPHIR RF  
Reynard Corp  
Ross Engineering Corp  
Santa Barbara Infrared Inc  
Sensor Developments Inc  
Spectracom  
SteriTool Inc  
Weschler Instruments

## COTS UPSCREENING

Aero Nav Laboratories  
Austin Semiconductor Inc  
Cascade TEK  
**■ Falcon Electronics**  
*(See ad page BG10)*  
Garwood Laboratories Inc  
Kappa optronics GmbH  
North Atlantic Industries Inc  
NuWaves Engineering Ltd  
OPAL-RT Technologies  
OPHIR RF  
Tektronix Component Solutions

## EMC COMPLIANCE

Aero Nav Laboratories  
Agilent Technologies Inc  
API Technologies Corp  
DJM Electronics  
DLS Electronic Systems Inc  
DNB Engineering Inc  
Electri-Flex Co  
Fralock  
Garwood Laboratories Inc  
IEC & Associates  
Northwest EMC Inc  
OPHIR RF  
Sparton Complex Systems

## HALT/HASS

Adaptive Innovations  
Aero Nav Laboratories  
Averna  
Cascade TEK  
dB Control

DLS Electronic Systems Inc  
Garwood Laboratories Inc  
HALT and HASS Labs  
IEC & Associates  
Kappa optronics GmbH  
Qualmark Corp  
VXI Technology Inc

## METERS

Advanced Thermal Solutions Inc  
Agilent Technologies Inc  
Boonton (A Wireless Telecom Group Co)  
Carr Quality Compliance Consulting  
Gamma Scientific Light Measurement Solutions  
Gooch & Housego Plc  
HIOKI EE Corp  
Interface  
JENOPTIK I Defense & Civil Systems  
Jewell Instruments  
Kurz Instruments Inc  
Noisecom (A Wireless Telecom Group Co)  
Omega Engineering Inc  
Palmer Wahl Temperature Instruments  
Process Technology  
QuadTech Inc  
Ross Engineering Corp  
RWC Testing & Lab Supplies  
SurplusEQ.com Inc  
TEAL Electronics  
Teradyne  
TESSCO Technologies  
Weschler Instruments

## NETWORK ANALYZERS

AEI Systems  
Agilent Technologies Inc  
Anritsu Co  
Avionics Interface Technologies (AIT)  
CES - Creative Electronic Systems SA  
Epiq Solutions  
Go4Fiber Ltd  
National Test Equipment  
NextComputing  
SurplusEQ.com Inc  
TESSCO Technologies  
Vector Informatik GmbH

## NETWORK/DATABASE ANALYZERS

AIM-USA  
Anritsu Co  
Avionics Interface Technologies (AIT)  
Ballard Technology  
CES - Creative Electronic Systems SA  
Data Bus Products  
Data Device Corp (DDC)

HIOKI EE Corp  
NextComputing  
Teradyne  
Vector Informatik GmbH

## OPTICAL TEST AND MEASUREMENT

Advanced Thermal Solutions Inc  
Agilent Technologies Inc  
American Laser Enterprises LLC  
AMOtronics  
Anritsu Co  
Averna  
Berkeley Nucleonics Corp  
Corning Cable Systems  
DiCon Fiberoptics Inc  
EigenLight Corp  
Gamma Scientific Light Measurement Solutions  
Garwood Laboratories Inc  
Go4Fiber Ltd  
H&L Instruments LLC  
JENOPTIK I Defense & Civil Systems  
Keo Scientific Ltd  
Kingfisher International Pty Ltd  
Kowa Optimized Inc  
Krell Technologies Inc  
Lambda Research Corp  
Laser Components GmbH  
Laser Technology Inc  
The Light Brigade Inc  
Luciol Instruments SA  
Lumetrics Inc  
Max Levy Autograph Inc  
MAZET GmbH  
MicroE Systems  
Micro Laser Systems Inc  
MPB Communications  
Newport Corp  
OptoCity  
Optocon AG  
OPTOTEC SpA  
Orled  
Photon Control Inc  
Photron Inc  
Prior Scientific Inc  
Quantum Composers  
RAM Optical Instrumentation  
Reynard Corp  
RWC Testing & Lab Supplies  
Sacher Lasertechnik GmbH  
Sacher Lasertechnik LLC  
Santa Barbara Infrared Inc  
Sensoray Co Inc  
SHF Communication Technologies AG  
Specialised Imaging Inc  
Surface Optics Corp  
SurplusEQ.com Inc

SwissOptic AG  
Telops Inc  
TESSCO Technologies  
Third Millennium Engineering  
Timbercon  
Toshiba Imaging Systems Div  
Vision Components

## OSCILLOSCOPES

AEI Systems  
Agilent Technologies Inc  
AMOtronics  
Anritsu Co  
GaGe  
HIOKI EE Corp  
Omega Engineering Inc  
Ross Engineering Corp  
SurplusEQ.com Inc  
Telonic Instruments Ltd

## PORTABLE TEST SYSTEMS

Advanced Thermal Solutions Inc  
Agilent Technologies Inc  
AIM-USA  
Aircraft Instrument Support Services Inc  
AMOtronics  
Averna  
Avionics Interface Technologies (AIT)  
AWT-Global LLC  
Ballard Technology  
Berkeley Nucleonics Corp  
Canyonwest Cases  
Cepoint Networks LLC  
Epiq Solutions  
GaGe  
Gamma Scientific Light Measurement Solutions  
Garwood Laboratories Inc  
Go4Fiber Ltd  
HIOKI EE Corp  
Innovative Integration  
Interface  
Logic PD  
MC Countermeasures Inc  
Motion Maker Engineering  
NextComputing  
North Atlantic Industries Inc  
Omega Engineering Inc  
Optocon AG  
Oxford Instruments Industrial Analysis  
Pentek Inc  
Prior Scientific Inc  
QuadTech Inc  
Qualmark Corp  
Ross Engineering Corp  
RWC Testing & Lab Supplies  
Santa Barbara Infrared Inc  
Spectracom

Surface Optics Corp  
Teradyne  
United Electronic Industries Inc  
Vector Informatik GmbH  
VXI Technology Inc  
Weschler Instruments

### SOFTWARE-DRIVEN INSTRUMENTATION

Agilent Technologies Inc  
AIM-USA  
AMOtronics  
Averna  
Avionics Interface Technologies (AIT)  
AWT-Global LLC  
Boonton (A Wireless Telecom Group Co)

Coherent Inc  
ComSpec USA Ltd  
GaGe  
Gamma Scientific Light Measurement Solutions  
General Digital Software Services  
GUISYS Corp  
HIOKI EE Corp  
Innovative Integration Interface  
L-3 Communications Interstate Electronics Corp  
Motion Maker Engineering  
Photon Control Inc  
Prior Scientific Inc  
QuadTech Inc

Santa Barbara Infrared Inc  
SynaptiCAD the Timing Diagram Co  
Teradyne  
Ultraview Corp  
Vision Components  
VXI Technology Inc

### SPECTRUM ANALYZERS

Agilent Technologies Inc  
Anritsu Co

Averna  
Coherent Inc  
Epiq Solutions  
FreeSpace Networks  
Gamma Scientific Light Measurement Solutions  
MAZeT GmbH  
Newport Corp  
OptoCity  
Oxford Instruments Industrial Analysis  
Photon Control Inc  
Saelig Co Inc  
Spectracom  
Surface Optics Corp  
Telonic Instruments Ltd  
TESSCO Technologies

## THERMAL MANAGEMENT/COOLING SYSTEMS

### CONDUCTION COOLING

Acromag Inc  
Aspen Systems Inc  
Celsia Inc  
Dawn VME Products  
■ Extreme Engineering Solutions Inc (X-ES)  
(See ad page BG5)  
Fralock  
InTalTech Ltd

Marlow Industries Inc  
Mountain Secure Systems  
Parker Aerospace  
Systel Inc  
Ten Tech LLC Engineering Services

### CONVECTION COOLING

Allied International  
Aspen Systems Inc

Celsia Inc  
Dawn VME Products  
■ Extreme Engineering Solutions Inc (X-ES)  
(See ad page BG5)  
Fralock  
Marlow Industries Inc  
Mountain Secure Systems  
Systel Inc  
Ten Tech LLC Engineering Services

### LIQUID COOLING

Aspen Systems Inc  
Celsia Inc  
Marlow Industries Inc  
Microflexis  
Mountain Secure Systems  
Omega Engineering Inc  
Parker Aerospace  
Process Technology  
ProMation Engineering Inc  
Ten Tech LLC Engineering Services

FOR UPDATES THROUGHOUT THE YEAR, go to the online version of the Aerospace & Defense Electronics Buyer's Guide, sponsored by these companies:

**Military & Aerospace**  
Electronics

[www.militaryaerospace.com](http://www.militaryaerospace.com)

**avionics**

Intelligence

[www.avionics-intelligence.com](http://www.avionics-intelligence.com)



# VENDOR DIRECTORY

## 3D Plus USA Inc

6633 W Eldorado Pkwy, Suite 420, McKinney, TX 75040, 214-733 8505, [www.3d-plus.com](http://www.3d-plus.com)  
Supplies advanced high-density 3-D microelectronic products and die and wafer level stacking technology. Meets the demand for high reliability, high performance and very small size of today's and tomorrow's electronics. Meets the requirements of high technology industries in industrial, computing/telecom, security and defense, avionics, medical and space markets.

## 4DSP LLC

1210 San Antonio St, Suite 801, Austin, TX 78701, 800-816-1751, [sales@4dsp.com](mailto:sales@4dsp.com), [www.4dsp.com](http://www.4dsp.com)  
Develops and manufactures commercial off-the-shelf (COTS) digital signal processing (DSP) board-level electronics, FPGA intellectual property (IP Core) and system level products.

## Abbott Technologies Inc

8203 Vineland Ave, Sun Valley, CA 91352, 800-367-8200, [www.abbott-tech.com](http://www.abbott-tech.com)  
Offers a source for power management solutions for some of the most demanding real-world applications that require unusually high levels of reliability and performance.

## AbelConn LLC

9210 Science Center Dr, New Hope, MN 55428, 763-533-3533, [www.abelconn.com](http://www.abelconn.com)  
Manufactures backplanes, associated connectors, and custom interconnect products strictly for the military and aerospace sectors. Has QPL/QML listings for MIL-A-28870 and MIL-C-55302, among others, and is qualified to ISO 9000:2000 and AS9100.

## AbraxSys Corp

4919 Jamestown Ave, Bldg 204F, Baton Rouge, LA 70808, 225-928-4733, [contact@abraxsyscorp.com](mailto:contact@abraxsyscorp.com), [www.abraxsyscorp.com](http://www.abraxsyscorp.com)  
Manufactures industrial, marine, military grade LCD display monitors, rugged computers, panel PCs, touch screen systems, sunlight/daylight readable high bright technology, LED displays, and large screen public information flat panel digital systems for critical applications and harsh environments.

## Absopulse Electronics Ltd

110 Walgreen Rd, Ottawa, ON K0A 1L0, Canada, 613-836-3511, [john@absopulse.com](mailto:john@absopulse.com), [www.absopulse.com](http://www.absopulse.com)  
Designs and manufactures custom and standard power conversion products including AC/DC and DC/DC converters, battery chargers/rectifiers, power systems in 19- and 23-inch racks, sine-wave inverters, single- or three-phase frequency converters, backlight inverters, and variable frequency converters.

## Accel Connectors Inc

42020 Winchester Rd, Temecula, CA 92590-4804, 951-296-9435, [sales@accelconnectors.com](mailto:sales@accelconnectors.com), [www.accelconnectors.com](http://www.accelconnectors.com)  
Supplies MIL-SPEC and commercial connectors, relays, switches, and related accessories. Provides on time deliveries at competitive prices.

## ACCES I/O Products

10623 Roselle St, San Diego, CA 92121, 858-550-9559, [sales@accesio.com](mailto:sales@accesio.com), [www.accesio.com](http://www.accesio.com)  
Designs and manufactures a range of PC/104, PCI, and ISA bus-based data-acquisition tools and accessories, from simple digital I/O cards to sophisticated multifunction, multimode cards, wireless, and remote data-acquisition modules.

## Acnodes Corp

14628 Central Ave, Chino, CA 91710, 909-597-7588, [info@acnodes.com](mailto:info@acnodes.com), [www.acnodes.com](http://www.acnodes.com)

Manufactures, designs, and markets industrial computers and display solutions for diverse industries ranging from automation to military. Has an array of technological innovations in the area of rackmount servers, embedded computers, panel PCs and rugged monitors that create simpler and more valuable products to customers.

## AcQ Inducom

Rijnstraat 20, Oss 5347 KN, The Netherlands, 31-412-641-922, [info@acq.nl](mailto:info@acq.nl), [www.acq.nl](http://www.acq.nl)  
Develops and produces non-certified and certified high-tech modular hardware and software solutions for on-board and ground avionics applications, utilizing DO-178B and DO-254 in various DAL as well as standard products for various open standards like VMEbus, cPCI and other bus standards.

## Acromag Inc

Embedded Solutions Group Div, 30765 S Wixom Rd, Wixom, MI 48393-7037, 248-295-0310, [solutions@acromag.com](mailto:solutions@acromag.com), [www.acromag.com](http://www.acromag.com)  
Manufactures measurement and control products for the military, transportation, manufacturing and research industries. Embedded computing solutions operate on VME, VPX, PCI, CompactPCI and COM Express platforms, as well as IP, PMC and XMC mezzanine module standards. Functions include SBCs, FPGAs, data storage, Ethernet communication and I/O processing.

## Active Sensing Inc

P O Box 1236, Castle Rock, CO 80104-1236, 720-862-3001, [sales@activesensing.com](mailto:sales@activesensing.com), [www.buyplm.com](http://www.buyplm.com)  
Offers simple, flexible product data management software for growing companies including bill of materials management, revision and change control, and product file management for electronics, industrial machinery, medical devices, automotive and aerospace.

## Active Silicon Inc

479 Jumpers Hole Rd, Suite 301, Severna Park, MD 21146, 410-696-7642, [info@activesilicon.com](mailto:info@activesilicon.com), [www.activesilicon.com](http://www.activesilicon.com)  
Designs and manufactures frame grabbers and embedded vision systems in PCI express, COM express, PCI/104-express, PMC, and cPCI form factors. Available for Windows, DOS, Linux, VxWorks, QNX and Mac OS X. Provides support for CoaXPress, HD-SDI, Camera Link (including PoCL), LVDS and analog cameras.

## Active Silicon Ltd

Pinewood Mews, Bond Close, Iver SLO ONA, UK, 44-1753-650-600, [info@activesilicon.com](mailto:info@activesilicon.com), [www.activesilicon.com](http://www.activesilicon.com)

Designs and manufactures frame grabbers and embedded vision systems in PCI Express, COM Express, PCI/104-Express, PMC, and cPCI form factors. Available for Windows, DOS, Linux, VxWorks, QNX and Mac OS X. Provides support for CoaXPress, HD-SDI, Camera Link (including PoCL), LVDS and analog cameras.

## Adaptive Innovations

1315 Nelson St, Unit 8, Lakewood, CO 80215, 303-362-0400, [info@a-i-corp.com](mailto:info@a-i-corp.com), [www.a-i-corp.com](http://www.a-i-corp.com)

Provides electro-mechanical engineering specializing in the design and building of custom fixturing, equipment and machine-automation systems. Expertise is designing and fabricating HASS, ESS, and vibration test fixtures, automated testers, pick-n-place machines and sorters, and custom equipment, with a proven track record of delivering successful projects.

## ADCO Circuits

2868 Bond St, Rochester Hills, MI 48309, 248-853-6620, [sales@adcocircuits.com](mailto:sales@adcocircuits.com), [www.adcocircuits.com](http://www.adcocircuits.com)

Supplies complex Class II and III circuit board assemblies and complete systems to military/aerospace companies, such as General Dynamics, L-3, Parker and Eaton. Is ISO 9001 certified and ITAR registered. Advanced manufacturing and test capabilities available including micro-BGA, AOI, in-circuit test, functional test, and burn-in.



## Advanced Conversion Technology Inc

2001 Fulling Mill Rd, Middletown, PA 17057, 717-939-2300, [sales-ma@actpower.com](mailto:sales-ma@actpower.com), [www.actpower.com](http://www.actpower.com)

Designs and manufactures an extensive range of custom AC/DC and DC/DC power supplies (linear, rack-mounted VME, rugged, etc) as well as custom sensors and instrumentation for various applications since 1981. Designs meet the typical MIL standards including MIL-STD-704, MIL-STD-1399, MIL-STD-1275, MIL-STD-461, and MIL-STD-810. ISO-9001. Made in the US.

## Advanced Fibreoptics Engineering Ltd

16 Thorney Leys Business Pk, Witney, Oxfordshire OX28 4GE, UK, 44-1993-709-030, [sales@afe-uk.com](mailto:sales@afe-uk.com), [www.adfen.com](http://www.adfen.com)

## Advanced Industrial Coatings Inc

950 Industrial Dr, Stockton, CA 95206, 209-234-2700, [info@aic-coatings.com](mailto:info@aic-coatings.com), [www.aic-coatings.com](http://www.aic-coatings.com)

**Advanced Interconnections Corp**

5 Energy Way, West Warwick, RI 02893,  
401-823-5200, info@advanced.com,  
www.advanced.com

Designs and manufactures electronic interconnect products including IC sockets and adapters, board-to-board connectors and screw-machined terminals. New products include high-density SMT connectors and fine pitch BGA socketing systems for both RoHS compliant and exempt high reliability applications. Standard and custom connector designs available.

**Advanced Micro Devices Inc**

1 AMD PI, Sunnyvale, CA 94088, 408-749-4000,  
info@amd.com, www.amd.com

Provides innovative semiconductor design to lead the next era of vivid digital experiences. Provides graphics and computing technologies to power a variety of devices including PCs, game consoles and the powerful computers that drive the Internet and businesses.

**Advanced Microwave Products**

8748 Technology Way, Reno, NV 89521,  
775-345-9933, sales@advmw.com,  
www.advmw.com

Designs and manufactures microwave transmitters and receivers for military, UVS, UAV, UGV, and surveillance applications. Offers miniature video/audio/data transmitters and receivers including COFDM and encrypted product lines from UHF through C-band. All product lines are capable of harsh environments and offer high performance in compact, rugged packaging.

**Advanced Night Visions Systems Inc (ANVS)**

801 W Robinson Dr, Suite 500, North Salt Lake, UT 84054, 801-519-0500, support@anvsinc.com,  
www.anvsinc.com

Manufactures and distributes various night vision and thermal imaging devices. Works with industry-leading manufacturers and actual end-users to develop and put the most technologically advanced vision enhancing devices into service.

**Advanced Optics Inc**

PO Box 117, Pewaukee, WI 53072-0117,  
262-548-1155, sales@advancedoptics.com,  
www.advancedoptics.com

Manufactures precision and custom optical components. Product line includes optical flats, flat mirrors, optical windows, and specialty optics. From commercial flatness to 1/20 wave, many catalog optics are in stock for immediate delivery.

**Advanced Optowave Corp**

105 Comac St, Ronkonkoma, NY 11779-6931,  
631-750-6035, info@a-optowave.com,  
www.a-optowave.com

Manufactures DPSS lasers with the mission to provide optimal laser solutions with the highest customer values. All wavelengths in nanosecond and ultrashort pulses.

**Advanced Photonix Inc**

Opto Solutions Div, 1240 Avenida Acaso, Camarillo,  
CA 93012, 805-987-0146,  
sales@advancedphotonix.com,  
www.advancedphotonix.com

Supplies optoelectronic solutions which are based on the company's patented silicon large area APD, PIN photodiode, FILTRODE detectors, and LED assemblies. Manufactures and designs high-performance standard and custom opto devices, X-ray, UV, blue, red-enhanced, high-speed/low-noise silicon photodiodes, single and multi-element arrays, and hybrids (filter/amplifier).

**Advanced Photonix Inc**

Picomatrix Div, 2925 Boardwalk, Ann Arbor, MI  
48104, 734-864-5600,  
sales@advancedphotonix.com,  
www.advancedphotonix.com

Supplies electro-optic solutions and terahertz sensors and instrumentation to a global OEM customer base.

**Advanced Thermal Solutions Inc**

89-27 Access Rd, Norwood, MA 02062,  
781-769-2800, sales@qats.com, www.qats.com  
Engineers and manufactures complete thermal and mechanical packaging solutions from analysis and testing to final production. Provides a range of heat sinks and laboratory-quality thermal instrumentation, along with thermal design consulting services and training. Provides the industry with a one-stop-shop for thermal management and packaging solutions.

**Advantech Corp**

11380 Reed Hartman Hwy, Cincinnati, OH 45241,  
513-742-8895, eainfo@advantech.com,  
www.advantech.com

Offers product offerings from intelligent HMI platforms, industrial Ethernet, wireless communication, automation controllers, automation software, embedded automation computers, distributed I/O modules, wireless sensor network solutions, plug-in I/O and industrial communication solutions for a wide array of industries.

**AEI Systems**

5933 W Century Blvd, Suite 1100, Los Angeles, CA  
90045, 310-216-1144, loyal@aeng.com,  
www.aeng.com

Performs worst-case circuit analysis for power, linear, and RF systems, and MTBF, FMECA, stress, signal integrity and radiation analysis. Offers SPICE modeling.

**AEM Inc**

6610 Cobra Way, San Diego, CA 92121,  
858-481-0210, garym@aem-usa.com,  
www.aem-usa.com

Manufactures high-reliability solid body fuses for space and military applications. Offers ferrite chip beads and a tin whisker mitigation process for monolithic chip components. Puts the lead back into 100% tin terminated components.

**AE Petsche Co**

(div of Arrow Electronics), 2112 W Division St,  
Arlington, TX 76012, 817-461-9473,  
info@aepetsche.com, www.aepetsche.com  
Provides mil-aero wire and cable, connectors and harness management products.

**Aero Express Inc**

1825-1 SW Market St, PO Box 1212, Lee's Summit,  
MT 64082, 816-246-4500,  
sales@aeroexpress.com, www.aeroexpress.com  
Buys, sells, trades, rents and leases new and used instrument and avionic test equipment for the ramp and bench. Specializes in RVSM, Mode S and TCAS test equipment. Assists in determining the test equipment required to best utilize and increase profitability.

**Aeroflex Colorado Springs**

(div of Aeroflex), 4350 Centennial Blvd,  
Colorado Springs, CO 80907, 719-594-8035,  
info-ams@aeroflex.com, www.aeroflex.com/hirel  
Supplies integrated circuits and circuit card assemblies for aerospace and defense applications. Standard products include MIL-STD-1553 databus, transceivers, LEON 3FT microprocessors, memories, logic, FPGAs, microcontrollers, clocks, LVDS, Muxs and SpaceWire. Semi-custom products include RadHard ASICs and FPGA-to-ASIC conversions.

**Aeroflex Metelics Hi-Rel Components**

(div of Aeroflex), 9 Hampshire St, Lawrence, MA  
01840, 978-683-4122,  
metelics-sales@aeroflex.com,  
www.aeroflex.com/ams/metelics

Manufactures high-reliability semiconductors for the military, defense, satellite and aerospace industries as well as serving as a high-reliability test facility for up-screening devices for critical customer applications. The company's product portfolio includes rectifiers, switching diodes, zener diodes and more. Headquartered in Lawrence, Massachusetts.

**Aeroflex Motion Control Products**

(div of Aeroflex), 350 Kennedy Dr, Hauppauge, NY  
11783, 631-231-9100, sales-motion@aeroflex.com,  
www.aeroflex.com/motion

Offers a range of capabilities in the design and manufacture of components and systems for the aerospace market. Products include DC motors, rotary and linear actuators, gearheads, gimbals, scanners, slip rings, twisted capsules and electronic controllers. Slip rings may be purchased on-line.

**Aeroflex Plainview**

(div of Aeroflex), 35 S Service Rd, Plainview, NY  
11803, 800-843-1553, info-ams@aeroflex.com,  
www.aeroflex.com/hirel

Provides products for satellite, avionic, and shipboard applications, such as 1553 databus/transceivers, voltage regulators, PWM, motor controllers, analog multiplexers, RDCs, op amps, comparators, D-to-A converters, point of load, battery electronic units, along with hybrid and MCM packaging technology.

# VENDOR DIRECTORY

## Aeroflex RAD

(div of Aeroflex), 5030 Centennial Blvd, Colorado Springs, CO 80919, 719-531-0800, [info-ams@aeroflex.com](mailto:info-ams@aeroflex.com), [www.aeroflex.com/rad](http://www.aeroflex.com/rad)  
Offers radiation testing, screening and assembly services such as MIL-STD radiation effects test services, high/low dose Co60 gamma tests, neutron displacement damage testing, single event effects testing, and device preparation for single event effects (SEE) testing. Offers rad-tolerant A-to-D converters and a MOSFET family.

## Aeroflex Signal & Control Solutions

(div of Aeroflex), 40 Industrial Way, Eatontown, NJ 07724, 732-460-0212, [asc-sales@aeroflex.com](mailto:asc-sales@aeroflex.com), [www.aeroflex.com/asc](http://www.aeroflex.com/asc)  
Supplies high-performance, solid-state RF and microwave components and subsystems serving the military, aerospace, commercial and instrumentation markets. The company's 47,000 square foot facility is located in Eatontown, New Jersey, to serve US and international customers. Resources include comprehensive in-house design, manufacturing and testing.

## Aeroflex Weinschel

(div of Aeroflex), 5305 Spectrum Dr, Frederick, MD 21703, 301-846-9222, [weinschel-sales@aeroflex.com](mailto:weinschel-sales@aeroflex.com), [www.aeroflex.com/weinschel](http://www.aeroflex.com/weinschel)  
Offers products including fixed attenuators for test, metrology and space applications, continuously variable, manual step, solid-state digital step and programmable step attenuators, high-power terminations, resistive splitters and dividers, manual phase shifters, and Planar Blind-Mate and Planar Crown connectors. In addition, products include coaxial components covering DC-40 GHz.

## Aerojet

2001 Aerojet Road, PO Box 537012, Sacramento, CA 95853-7012, 916-355-4000, [ir@gencorp.com](mailto:ir@gencorp.com), [www.aerojet.com](http://www.aerojet.com)

Develops and manufactures aerospace propulsion systems; precision tactical weapon systems; and armament systems, including warhead and munitions applications.

## Aero Nav Laboratories

14-29 112th St, College Point, NY 11356, 718-939-4422, [slevine\\_sales@aeronavlabs.com](mailto:slevine_sales@aeronavlabs.com), [www.aeronavlabs.com](http://www.aeronavlabs.com)  
Provides a range of environmental simulation testing for the commercial, military, marine, medical, and aerospace communities. Testing includes shock, vibration, temperature, salt spray, sand/dust, and more. Also provides engineering services and contract manufacturing.

## Aerosim Flight Academy

2700 Flight Line Ave, Sanford, FL 32773, 407-330-7020, [info@aerosimacademy.com](mailto:info@aerosimacademy.com), <http://academy.aerosim.com>  
Is a pilot training academy based in Sanford, Florida. Offers both classroom and hands-on training in aviation and helps students to prepare for a career as a professional pilot.

## Aerospace Optics Inc

3201 Sandy Ln, Ft Worth, TX 76112-7203, 817-451-1141, [sales@vivisun.com](mailto:sales@vivisun.com), [www.vivisun.com](http://www.vivisun.com)  
Innovator in the aerospace industry. The VIVISUN line of ruggedized, illuminated push-button switches and indicators continues to offer the best in class solution for MIL-SPEC and aviation applications worldwide.

## Aerotech Inc

101 Zeta Dr, Pittsburgh, PA 15238, 412-963-7470, [sales@aerotech.com](mailto:sales@aerotech.com), [www.aerotech.com](http://www.aerotech.com)  
Manufactures automated alignment, positioning, and motion-control systems and components, including gimbals, multiaxis photonic/electro-optic direct-drive nanopositioners, gantry systems, goniometers, linear, rotary and lift stages, single- and multiaxis motion controllers, drives, linear and rotary motors, and custom systems.

## Aethercomm Inc

3205 Lionshead Ave, Carlsbad, CA 92010, 760-208-6002, [sales@aethercomm.com](mailto:sales@aethercomm.com), [www.aethercomm.com](http://www.aethercomm.com)  
Designs and manufactures high-power RF and microwave systems, subsystems and amplifier modules from DC to 40 GHz. Products are employed in radar, electronic warfare and communication systems and can be found on most fighter and attack aircraft in the US inventory.

## Agilent Technologies Inc

1400 Fountaingrove Pkwy, Mailstop M2SA, Santa Rosa, CA 95403-1799, 707-636-9016, [www.agilent.com](http://www.agilent.com)

Is a premier measurement company and technology leader in communications, electronics, life sciences and chemical analysis.

## Agilent Technologies Inc

5301 Stevens Creek Blvd, Santa Clara, CA 95051, 800-829-4444, [www.agilent.com/find/photonics](http://www.agilent.com/find/photonics)  
Provides high-performance test equipment for the radar test and electronic warfare (EW) test industries, as well as milcomms, and satellite testing industries.

## AIM-USA

7 Neshaminy Interplex, Suite 211, Trevose, PA 19053, 267-982-2600, [salesusa@aim-online.com](mailto:salesusa@aim-online.com), [www.aim-online.com](http://www.aim-online.com)  
Manufactures and designs avionics test and simulation products for MIL-STD-1553, STANAG3910/EFEX, ARINC429, AFDX/ARINC664P7, Panavia serial link, Fibre Channel and MIL-STD-1760 applications including high-performance test and simulation modules, embedded interfaces, data bus analyzers, network analyzers and customized systems.

## AirBorn

4321 AirBorn Dr, Addison, TX 75001-0519, 972-931-3200, [prodinfo@airborn.com](mailto:prodinfo@airborn.com), [www.airborn.com](http://www.airborn.com)  
Designs and manufactures high-reliability standard and custom nano, microminiature, PWB connectors, and terminal blocks for a variety of applications, including aerospace, medical, defense satellite electronics, oil and gas exploration, and telecommunications.

## Aircraft Instrument Support Services Inc

900 E Pecan St, Suite 300-231, Pflugerville, TX 78660, 512-252-3031, [ralphposey@sbcglobal.net](mailto:ralphposey@sbcglobal.net), [www.aissinc.net](http://www.aissinc.net)  
Manufactures instrument and avionics test equipment.

## Air Electro

9452 Desoto Ave, Chatsworth, CA 91311, 818-407-5400, [www.airelectro.com](http://www.airelectro.com)

Manufactures connectors and supplies contacts for the aerospace, defense, transportation and avionics industries.

## Aitech Defense Systems Inc

(sub of Aitech Rugged Group Inc), 19756 Prairie St, Chatsworth, CA 91311, 888-248-3248, [sales@rugged.com](mailto:sales@rugged.com), [www.rugged.com](http://www.rugged.com)

Provides military and space-qualified, commercial off-the-shelf (COTS) embedded computing products for rugged defense, aerospace and astronautics (space) applications as well as provides radiation tolerant and full MIL-SPEC solutions. Provides industry-standard, open architecture VMEbus, CompactPCI and high-speed serial fabric OpenVPX-based boards, power subsystems, mass memory, enclosures and more.

## Alacrity Services Inc

Data Center Operations Div, 1202 S Washington St, Suite 616, Clifton, VA 22314, 888-538-8440, [info@alacrity-services.com](mailto:info@alacrity-services.com), [www.alacrity-services.com](http://www.alacrity-services.com)

Offers data center operations including relocations (domestic, international, and conflict), data center engineering, and data center design. Provides relocation of sensitive, high-value equipment.

## Aldec Inc

2260 Corporate Cir, Henderson, NV 89074, 702-990-4400, [sales@aldec.com](mailto:sales@aldec.com), [www.aldec.com](http://www.aldec.com)

Specializes in design, development and verification technologies for complex FPGA, ASIC, SoC and embedded system designs.

## All Flex Flexible Circuits & Heaters

1705 Cannon Ln, Northfield, MN 55057, 507-663-7162, [information@allflexinc.com](mailto:information@allflexinc.com), [www.allflexinc.com](http://www.allflexinc.com)

Manufactures flexible circuit and heaters providing prototype to production volumes. Circuits include single-sided, double-sided, multilayer, long Maxi-flex, and rigid flex. Also manufactures custom and stock polyimide and silicone rubber heaters, comprehensive SMT and thru-hole component assembly. Serves the medical, aerospace, military, industrial, and instrumentation markets. Is AS9100C, ISO 9001:2008, MIL-50884E and ITAR certified.

## Allied Industrial Marketing

W62 N248 Washington Ave, Suite 208, Cedarburg, WI 53012, 262-618-2403, [info@alliedindustrialmarketing.com](mailto:info@alliedindustrialmarketing.com), [www.alliedindustrialmarketing.com](http://www.alliedindustrialmarketing.com)

Provides an unbiased, independent resource for a variety of power quality services including analysis, filter design and simulation, training and seminars as well as technical marketing support for key components required for the assembly of high-performance power quality equipment.

**Allied International**

7 Hill St, Bedford Hills, NY 10507, 914-241-6900, alec@alliedinter.com, [www.alliedinter.com](http://www.alliedinter.com)

Distributes components for extreme defense environments including temperature, shock, vibration, humidity, sand and dust. Offers LMB Aerospace electronics cooling and scavenge fans and blowers, Dearborn Electronics ceramic, plastic film, electrolytic and tantalum capacitors, and the new Thinfan, a lightweight and quiet plastic fan conforming to MIL-810 environmental standards

**Allied Motion Technologies Inc**

455 Commerce Dr, Suite 5, Amherst, NY 14228, 716-242-7535, [inquiry@alliedmotion.com](mailto:inquiry@alliedmotion.com), [www.alliedmotion.com](http://www.alliedmotion.com)

Focuses exclusively on serving the motion control market. Designs and manufactures motor and electronic motion control products for a broad range of industries in the global commercial, industrial, and aerospace and defense sectors.

**Allied Wire & Cable**

101 Kestrel Dr, Collegeville, PA 19426, 484-928-6700, [info@awcwire.com](mailto:info@awcwire.com), [www.awcwire.com](http://www.awcwire.com)

Manufactures and distributes value-added electrical wire, cable, tubing, connectors, and components, serving the military and aerospace industries.

**Alonex Electronic Engineering Ltd**

PO Box 1377, Holon 5811203, Israel, 972-3-503-7095, [i.alonex@gmail.com](mailto:i.alonex@gmail.com), [www.alonex.com](http://www.alonex.com)

Provides professional electronic engineering services for product design and manufacturing. Performs complicated repairs of electronic boards on the component-level including full circuit refurbishment, industrial and non-standard embedded computer systems maintenance, discontinued products redesign, retrofitting and remanufacturing.

**Alphabyte Technology**

1449 Outwest Ct, Cool, CA 95614, 530-889-5517, [robert@datatapes.biz](mailto:robert@datatapes.biz), [www.datatapes.biz](http://www.datatapes.biz)

Supplies equipment for computer, aerospace, medical and seismic requirements including storage media and data tape cartridges, including optical media, tape libraries, auto loaders, and drives. IT and computer-related products and equipment available. Offers electronic equipment, terminators, amplifiers, cables, switches, network analyzers and security equipment.

**Alphi Technology**

1898 E Southern Ave, Tempe, AZ 85282-5836, 480-838-2428, [sales@alphitech.com](mailto:sales@alphitech.com), [www.alphitech.com](http://www.alphitech.com)

Provides MIL-1553, FPGA, data acquisition, digital servo control, DSP, industry packs, CompactPCI I/O, PMC, XMC, PCI, PCI Express, Mini PCI, PCI Express Mini and VME products. COTS products include industry pack carriers, special I/O-A/D, D/A, communication, digital I/O and custom design boards.

**ALTEK Manufacturing**

22819 E Appleway Ave, Liberty Lake, WA 99019, 509-924-3731, [altek@altek-inc.com](mailto:altek@altek-inc.com), [www.altek-inc.com](http://www.altek-inc.com)

Operates as a full-service injection mold manufacturer in the Spokane area. Since 1976, the company has offered customers a wide range of contract manufacturing and product realization services to serve the aerospace industry. Take advantage of the injection molding, precision machining and high-performance components and subassemblies.

**Altera Corp**

101 Innovation Dr, San Jose, CA 95134, 408-544-7000, [newsroom@altera.com](mailto:newsroom@altera.com), [www.altera.com](http://www.altera.com)

Provides custom logic solutions (FPGAs/CPLDs/ASICs) that address design concerns, from power consumption to performance to cost, serving the automotive, broadcast, computer/storage, industrial, medical, military, test/measurement and wireless/wireline industries. Solutions portfolio contains fully-integrated software development tools, embedded processors, optimized IP cores, reference designs and development kits.

**Alternative Vision Corp**

4729 E Sunrise Dr, #331, Tucson, AZ 85718, 520-615-4073, [info@alt-vision.com](mailto:info@alt-vision.com), [www.alt-vision.com](http://www.alt-vision.com)

Provides optics and imaging components and equipment including monochrome, color and infrared CMOS image sensors, visible, SWIR, MWIR and LWIR lenses, LED illuminators, multispectral cameras, smart cameras and custom development.

**Alturdyne Power Systems**

660 Steele St, El Cajon, CA 92020, 619-440-5531, [info@alturdyne.com](mailto:info@alturdyne.com), [www.alturdyne.com](http://www.alturdyne.com)

Offers custom engine generator sets using turbine, recip, or rotary engines for MIL-SPEC special projects.

**AMCO Enclosures - an IMS Engineered Products Brand**

1 Innovation Dr, Des Plaines, IL 60016, 847-391-8100, [www.amcoenclosures.com](http://www.amcoenclosures.com), [www.amcoenclosures.com](http://www.amcoenclosures.com)

Offers a full line of electronic enclosures for mil/aero, test/measurement and data including seismic, shielded and 901D shock/vibration versions. The heavy duty aluminum framing system is perfect for custom designs and consists of 8 castings and 12 extrusions that can be shipped as completely assembled design, kits, or material to stock.

**American Crane & Equipment Corp**

531 Old Swede Rd, Douglassville, PA 19518, 610-385-6061, [sales@american-crane.com](mailto:sales@american-crane.com), [www.american-crane.com](http://www.american-crane.com)

Offers a wide range of services and capabilities, from complex custom and standard equipment to components and parts to meet all material handling needs. Is a complete source for high-quality specialty lifting equipment for the aerospace and nuclear industries.

**American GMG Inc**

29430 Union City Blvd, Union City, CA 94587, 510-675-9793, [sales@american-gmg.com](mailto:sales@american-gmg.com), [www.american-gmg.com](http://www.american-gmg.com)

Produces and distributes molybdenum, niobium, rhenium, tantalum and tungsten metals, high-purity minor metals and oxides, rare earth metals and oxides, germanium metal and its related products, PBN crucibles and other products.

**American Infrared Solutions (AIRS)**

1 Wall St, Hudson, NH 03051, 662-626-2499, [rmannello@go-air.com](mailto:rmannello@go-air.com), [www.go-air.com](http://www.go-air.com)

Offers a large format FPA and high-performance imaging. State-of-the-art technologies, designs, and vertically integrated manufacturing allow the company to provide system integrators and instrumentation developers advanced, mission-critical imaging capability. Has developed cameras, modules and IDCA for tactical missions, ISR and scientific instrument applications.

**American Laser Enterprises LLC**

28221 Beck Rd, Suite A-4, Wixom, MI 48393, 248-449-3714, [info@a-l-e.net](mailto:info@a-l-e.net), [www.a-l-e.net](http://www.a-l-e.net)

**American Opto Plus LED Corp**

1206 E Lexington Ave, Pomona, CA 91766, 909-465-0080, [info@aopled.com](mailto:info@aopled.com), [www.aopled.com](http://www.aopled.com) Manufactures LED lamps, displays, SMD lamps and many other LED related products.

**Ametek Aerospace & Defense**

50 Fordham Rd, Wilmington, MA 01887, 978-988-4711, [aerosales@ametek.com](mailto:aerosales@ametek.com), [www.ametekairdefense.com](http://www.ametekairdefense.com)

Manufactures highly engineered and cost-effective engine/airframe sensor suites including airborne data management, AMPHION arc fault protection-detection and power distribution, cooling/heating/ventilating environmental control systems, motors, fans, blowers, heaters, heat exchangers, emergency generators, solid-state circuit breakers, fault detection devices, power conversion units, hydraulic pumps, flap motors, starter generators and more.

**AMOtronics**

Otto-Blumenthal-Str 25, Aachen 52074, Germany, 49-241-8867-128, [info@amotronics.de](mailto:info@amotronics.de), [www.amotronics.de](http://www.amotronics.de)

Provides fast data acquisition with up to 1 GS/s with fiber-coupled measurement probes for synchronous measuring in large areas of several square miles (eg 50 miles). Optimal to observe test explosions from a safe distance. Multi-channel configurations and custom adaptations are possible based on a modular transient recorder platform.

**Ampex Data Systems Corp**

500 Broadway, Redwood City, CA 94063-3436, 650-367-2011, [info@ampex.com](mailto:info@ampex.com), [www.ampex.com](http://www.ampex.com) Supplies high-capacity, high-performance digital storage systems capable of functioning in demanding environments on land, at sea or in the air. Works closely with its customers to provide solutions to complex data capture requirements that may involve major modifications to an existing product or development of an entirely new product.

# VENDOR DIRECTORY

## Amphenol Aerospace

(sub of Amphenol Corp), 40-60 Delaware Ave, Sidney, NY 13838, 800-678-0141, cservice@amphenol-ao.com, www.amphenol-aerospace.com  
Manufactures interconnect products for the military, commercial aerospace and industrial markets. Designs, manufactures and markets cylindrical and rectangular, electronic, fiber optic, EMI/EMP filter, and a variety of special applications connectors and interconnect systems.

## Amphenol Alden Products Co

117 N Main St, Brockton, MA 02301, 508-427-7000, joe.talkowski@amphenolalden.com, www.amphenolalden.com  
Manufactures high-performance connectors and cable assemblies for military, industrial, and medical applications. Develops "Art to Part" high reliability, rugged interconnect solutions. Provides collaborative engineering and a wide variety of manufacturing capabilities, including assembly and overmolding.

## Amphenol PCD

(div of Amphenol Corp), 72 Cherry Hill Dr, Beverly, MA 01915, 978-624-3400, info@amphenolpcd.com, www.amphenolpcd.com  
Designs, manufactures, and supplies interconnect products for military and aerospace applications. Provides users in the military and aerospace markets with a variety of reliable, high-performance connectors, rugged system packages, and system attachments.

## Ampro ADLINK Technology Inc

5215 Hellyer Ave, #110, San Jose, CA 95138, 408-360-0200, info@adlinktech.com, www.adlinktech.com  
Develops and introduces innovative computing technologies by implementing embedded computing roadmaps and selecting computer solutions that best fit target markets. This enables the company to provide the highest quality and performance products with the long life cycles required by embedded and applied computing markets.

## AMREL/American Reliance Inc

3445 Fletcher Ave, El Monte, CA 91731, 626-443-6818, www.amrel.com  
Manufactures high-performance, rugged mobile computers for the military and federal government. Customizable COTS systems feature a modular platform, allowing for easy upgrading, field servicing, and device integration. Certified to MIL-STD 810F, MIL-STD 461E for ruggedness, and electromagnetic emissions control.

## AMWEI Thermistor

11-502 Songpingshan, Langshan Rd Nanshan, Shenzhen, Guangdong 518057, China, 86-755-2657-0111, sales@amwei.com, www.amwei.com  
Manufactures PTC and NTC thermistors (thermally sensitive resistors) and thermistor temperature sensor probes. Thermistors are used for overcurrent overload protection, temperature sensing measurement protection, in-rush current suppressing limiting, heating, and soft switching.

## A'n D Cable Products Inc

1460 Washington Blvd, Suite A-102, Concord, CA 94521, 925-672-3005, sales@andcable.com, www.andcable.com  
Provides products including cable management, copper Cat5E/Cat6 and preterminated fiber cables. Has developed a quick and easy cable labeling system called Unitag and labor saving custom straps for a major server manufacturer.

## Anritsu Co

1155 E Collins Blvd, Suite 100, Richardson, TX 75081, 800-267-4878, moreinfo@anritsu.com, www.us.anritsu.com  
Provides solutions for existing, next-generation wired, wireless communication systems and operators. Products include wireless, optical, microwave/RF and digital instruments as well as operations support systems for R&D, manufacturing, installation, and maintenance. Also provides precision microwave/RF components, optical devices and high-speed electrical devices for communication products and systems.

## Aoming Electronic Co Ltd

901 #4 Bldg, Haifuli, Yatai Plaza, Haicang, Xiamen, Fujian 361026, China, 86-592-6053088, sales@gebright.com, www.gebright.com  
Dedicates itself to the R&D and manufacturing of Eyescare LED lamps, which only produce high-quality LED light, relying upon deep plowing lighting technology of "greening for home and energy saving." The exclusive Eyescare technology was researched and developed by the company's scientific and technical personnel.

## API Technologies Corp

4705 S Apopka Vineland Rd, Suite 210, Orlando, FL 32819, 855-294-3000, sales@apitech.com, www.apitech.com  
Provides RF/microwave, microelectronics, and security technologies for critical and high-reliability applications, including aerospace, defense, industrial, medical, energy, and communications. (NASDAQ: ATNY).

## AppliedMicro

215 Moffett Pk Dr, Sunnyvale, CA 94089, 408-542-8600, support@amcc.com, www.apm.com  
Provides semiconductor technology and energy efficient sustainable solutions to process, transport and store information for the next generation. Provides an Internet data center and telecommunication carrier central office equipment.

## Applied Optoelectronics Inc

13111 Jess Pirtle Blvd, Sugar Land, TX 77478, 281-295-1800, info@ao-inc.com, www.ao-inc.com  
Develops and manufactures advanced semiconductor diode lasers. The lasers are used in the wireless, cable television (CATV), and telecommunications industries, as well as for spectroscopy systems.

## Applied Signal Technology Inc

400 W California Ave, Sunnyvale, CA 94086, 408-749-1888, customer@appsig.com, www.appsig.com  
Provides digital signal processing products, systems, and services in support of intelligence, surveillance, and reconnaissance (ISR) for the collection of COMINT, ELINT, and sensor signal processing for radar, sonar, electromagnetic, and imaging missions.

## AR Modular RF

21222 30th Dr SE, Suite 200, Bothell, WA 98021, 425-485-9000, armodularsales@arworld.us, www.arww-modularrf.com  
Manufactures broadband 30–512 MHz battle-tested communications booster amplifiers, KMW1031 20W man-pack, AR-35 35W portable or one of the vehicle mounting units like the 50W AR-50 system.

## Arnold Magnetics Corp

841 Avenida Acaso, Camarillo, CA 93012, 805-484-4221, www.amcpower.com, www.amcpower.com

Manufactures rugged COTS, configurable AC/DC power supplies, DC/DC converters, power distribution assemblies and transformer rectifier units. Offers custom designs and build-to-print capabilities. Has supported the military/aerospace and high-rel industrial markets for over 50 years.

## Arraid Inc

9414 E San Salvador Dr, Suite 250, Scottsdale, AZ 85258, 480-699-3047, jenking@arraid.com, www.arraid.com

Develops and produces new plug-compatible replacements for old disk drives and tape drives produced by DEC, Encore, Gould, HP and more.

## Arrow Electronics Inc

7459 S Lima St, Bldg 1, Englewood, CO 80112, 800-833-3557, www.arrow.com

Provides semiconductor and passive, electro-mechanical and connector (PEMCO) products and services. Supports its extensive product offering with supply chain solutions, world-leading engineering and design services, technical expertise, demand creation and fulfillment, and skilled sales teams to effectively meet customer needs.

## ASC Signal Corp

1120 Jupiter Rd, Suite 102, Plano, TX 75074, 214-291-7654, satcomtechsupport@ascsignal.com, www.ascsignal.com

Manufactures satellite earth station, air traffic control radar antenna and high-frequency antenna products for broadcast, government, military and enterprise satellite communication applications.

## Ashine Industries Inc

5 Orchid Ct, Toronto, ON M2L 2X8, Canada, 416-493-5187, ashine@ashine.com, www.ashine.com

**Ashtech OEM**

Trimble Navigation Div, Rue Thomas Edison, ZAC de la Fleuraye, BP 60433, Carquefou Cedex 44474, France, 33-2-28-09-38-00, [oemsales@ashtech.com](mailto:oemsales@ashtech.com), [www.ashtech.com](http://www.ashtech.com)  
Provides precision GPS and GPS+GLONASS products for positioning, guidance, navigation, and timing with a wide range of solutions for diverse, high-performance applications such as survey, vehicle navigation, avionics, and others.

**ASIC Advantage Inc**

1290-B Rearwood Ave, Sunnyvale, CA 94089, 408-541-8686, [sales@asicadvantage.com](mailto:sales@asicadvantage.com), [www.asicadvantage.com](http://www.asicadvantage.com)  
Specializes in the development and production of products within power management, LED lighting, portable electronics, sensors and instrumentation, and motor controls. Products range from high-volume, low-cost ICs to complex system-on-chip. Analog and digital mixed signal expertise includes high-voltage and radiation tolerant applications.

**Aspen Systems Inc**

184 Cedar Hill St, Marlborough, MA 01752, 508-481-5058, [jburnett@aspensystems.com](mailto:jburnett@aspensystems.com), [www.aspensystems.com](http://www.aspensystems.com)  
Develops custom environmental control systems for liquid, air, and cold plate electronics using highly miniaturized vapor compression systems to customers' specifications. Standard products are qualified and shipping into programs across DOD. Has created SWAP effective solutions for transit case, manned, unmanned, and aerostat vehicles.

**Astro-Med**

Test & Measurement Product Group Div, 600 E Greenwich Ave, West Warwick, RI 02893, 401-828-4000, [mtgroup@astromed.com](mailto:mtgroup@astromed.com), [www.astro-med.com/ruggedized\\_products](http://www.astro-med.com/ruggedized_products)  
Designs and manufactures ruggedized printers and Ethernet switches used in demanding military and defense applications, including airborne, shipboard, and ground vehicle applications.

**Atego**

5930 Cornerstone Ct W, Suite 250, San Diego, CA 92121, 858-457-2700, [info@atego.com](mailto:info@atego.com), [www.atego.com](http://www.atego.com)  
Offers mission- and safety-critical solutions to mil-aero, telecommunications, industrial automation and transportation industries. Aonix PERC is the leading high-reliability, real-time embedded Java solution. Is a leading Ada supplier with a significant number of certified Ada applications at the highest level of criticality, with its ObjectAda and RAVEN technologies.

**Atego**

701 Eagle Tower, Montpellier Dr, Cheltenham GL50 1TA, UK, 44-1242-229-300, [info@atego.com](mailto:info@atego.com), [www.atego.com](http://www.atego.com)  
Offers solutions for all complex, mission and safety-critical systems and software. Is an independent supplier of systems engineering and embedded/real-time software development tools and solutions.

**Atmel Corp**

2325 Orchard Pkwy, San Jose, CA 95131, 408-441-0311, [www.atmel.com](http://www.atmel.com)  
Designs and manufactures microcontrollers, capacitive touch solutions, advanced logic, mixed-signal, nonvolatile memory and radio frequency (RF) components.

**Austin Semiconductor Inc**

8701 Cross Pk Dr, Austin, TX 78754, 512-339-1188, [sales@austinsemiconductor.com](mailto:sales@austinsemiconductor.com), [www.austinsemiconductor.com](http://www.austinsemiconductor.com)  
Has supplied technology solutions to the high-reliability marketplace for more than 20 years. Being fully QML certified and ISO 9001/AS9100 registered, the company meets and exceeds the demands of military, aerospace, transportation, industrial embedded, and medical diagnostic markets. Current product offerings include a line of hi-rel ceramic components and more.

**Avalon RF**

344 Coogan Way, El Cajon, CA 92020, 619-401-1967, [rich@avalonrf.com](mailto:rich@avalonrf.com), [www.avalonrf.com](http://www.avalonrf.com)  
Provides cost-effective COFDM robust wireless video link solutions and two-way digital wireless control for UAVs, robots, and PTZ controls for the military and surveillance. Uses true diversity wireless COFDM digital with NTSC or PAL and the new HD COFDM low latency, long distance-40 miles, high-resolution 1080/720 new release.

**Averna**

87 Prince St, Montreal, QC H3C 2M7, Canada, 514-842-7577, [sales@averna.com](mailto:sales@averna.com), [www.averna.com](http://www.averna.com)  
Provides manufacturing solutions for communications/electronics device-makers worldwide, helping to deliver a better end-user customer experience. Key clients use Proligent, RF Test Instruments, and other test solutions to accelerate product development, reduce manufacturing costs, achieve superior quality throughout the life cycle, and solve critical supply chain issues.

**Aviel Electronics**

(div of RF Industries), 3060 E Post Rd, Suite 100, Las Vegas, NV 89120, 702-739-8155, [aviel@rfindustries.com](mailto:aviel@rfindustries.com), [www.avielelectronics.com](http://www.avielelectronics.com)

**Avionics Interface Technologies (AIT)**

3703 N 200th St, Elkhorn, NE 68022, 402-763-9644, [sales@aviftech.com](mailto:sales@aviftech.com), [www.aviftech.com](http://www.aviftech.com)  
Designs and manufactures avionics modules and analyzers for Fibre Channel, HS1760E/MIL-STD-1760, MIL-STD-1553, ARINC 429, ARINC 664, and time-triggered applications. All avionics interfaces include a high-level application programmer interface and device drivers for many of the most popular operating systems.

**Avitech International Corp**

8655 154th Ave NE, Redmond, WA 98052, 425-885-3863, [sales@avitechvideo.com](mailto:sales@avitechvideo.com), [www.avitechvideo.com](http://www.avitechvideo.com)  
Designs, develops and distributes multiviewers for the professional A/V, broadcast, security and surveillance and IT markets.

**Avittor International Corp**

2050 South Blvd, Suite 1064, Bloomfield Hills, MI 48303, 248-894-1900, [asanne@avittor.com](mailto:asanne@avittor.com)  
Brings a broad range of engineering resources and technical innovation to a variety of engineering fields. The engineering solutions help clients improve innovation in engineering and operational efficiency to potentially create and retain valuable markets.

**Avnet Inc**

2211 S 47th St, Phoenix, AZ 85034, 800-408-8353, [customer.care@avnet.com](mailto:customer.care@avnet.com), [www.em.avnet.com/milsupport](http://www.em.avnet.com/milsupport)  
Distributes electronic components, connectors, semiconductors, technology solutions, computer products and embedded technology.

**Avon Engineering Supplies Ltd**

5 Old Mill Close, Bristol, South Gloucestershire BS37 8QD, UK, 44-1454-324-546, [info@avontapdie.co.uk](mailto:info@avontapdie.co.uk), [www.avontapdie.co.uk](http://www.avontapdie.co.uk)  
Manufactures and supplies HSS cutting tools. Holds very large stocks of HSS taps, dies and die nuts. Sells thread forms including metric, UNC, UNF, BSP, NPT, BSPT, BSW, BA, ME, BSF and many more available all from stock worldwide.

**Avo Photonics**

700 Business Center Dr, Suite 125, Horsham, PA 19044, 215-441-0107, [sales@avophotonics.com](mailto:sales@avophotonics.com), [www.avophotonics.com](http://www.avophotonics.com)  
Designs, develops, and manufactures confidential, client-owned opto-electronic solutions for military, aerospace, medical, industrial and communications applications. Offers support throughout all stages of a product life cycle from design to volume production.

**AWT-Global LLC**

117 Grand Ave, Hackettstown, NJ 07840, 973-321-3423, [info@awt-global.com](mailto:info@awt-global.com), [www.awt-global.com](http://www.awt-global.com)

Offers advanced wireless technology for defense, aerospace and telecommunication. Provides radar simulators with up to 128 simultaneous signals for radar receiver testing and training of operating personal and wireless test and measurement products.

**AWT - 3rd Eye MobileVision**

9940 W Sam Houston Pkwy, Suite 330, Houston, TX 77099, 866-804-2984, [info@awti.com](mailto:info@awti.com), [www.awti.com](http://www.awti.com)  
Specializes in cutting-edge, risk mitigation technology that provides the tools needed to modify drivers' behavior, reduce accident costs, and generate more revenue from vehicles. Specializes in driver behavior modification, backup cameras, object detection systems (radar), and tire pressure monitoring.

# VENDOR DIRECTORY

## Axcel Photonics Inc

45 Bartlett St, Marlborough, MA 01752,  
508-481-9200, sales@axcelphotonics.com,  
[www.axcelphotonics.com](http://www.axcelphotonics.com)

Manufactures semiconductor lasers, specializing in high-power diode lasers from 780–1064 nm. Product lines include lasers for solid-state laser pumping, medical/dental, telecommunication, imaging, laser display, printing, and spectroscopy applications. Lasers are available as either singlemode or multimode devices.

## Axiomatic Technologies Corp

5915 Wallace St, Mississauga, ON L4Z 1Z8, Canada,  
905-602-9270, sales@axiomatic.com,  
[www.axiomatic.com](http://www.axiomatic.com)

Designs and manufactures CAN networked electronic controls, gateways, I/O, valve drivers, angle sensors, displays, resolvers, DC/DC converters, LVDT simulators, battery chargers, motor controllers, transient surge suppressors, and current/voltage/PWM converters.

## Ball Aerospace & Technologies Corp

(sub of Ball Corp), 1600 Commerce St, Boulder, CO 80301, 303-939-6100, info@ball.com,  
[www.ball aerospace.com](http://www.ball aerospace.com)

Designs, develops and manufactures innovative aerospace systems. Produces spacecraft, instruments and sensors, RF and microwave technologies, data exploitation solutions and a variety of advanced aerospace technologies and products that enable exciting missions.

## Ballard Technology

(an Astronics Co), 11400 Airport Rd, Suite 201, Everett, WA 98204, 425-339-0281,  
[sales@ballardtech.com](http://sales@ballardtech.com), [www.ballardtech.com](http://www.ballardtech.com)

Develops and manufactures avionics test and embedded solutions for MIL-STD-1553, ARINC 429, 629, 708, 717, 664 (AFDX), and other protocols. Products include computer interface cards, tethered interfaces (USB and Ethernet), stand-alone interface devices, rugged embedded computers, and software. Also produces embedded ethernet switches for military and flight systems.

## Barco

11101 Trade Center Dr, Rancho Cordova, CA 95670,  
1-888-414-7226, [www.barco.com](http://www.barco.com)  
Designs and develops visualization solutions for a variety of selected professional markets including control rooms, defense and aerospace, digital cinema, healthcare, media and entertainment, and simulation and virtual reality.

## Barco Federal Systems LLC

3059 Premiere Pkwy, Suite 100, Duluth, GA 30097,  
678-475-8080, [www.barco.com](http://www.barco.com)  
Specializes in C4ISR visualization systems and products and capabilities for land, airborne, expeditionary, and maritime applications for both military and commercial customers. The "visualization and SA products" include direct view displays primarily based on today's LCD technology, ruggedized embedded computing, video networking with record and playback capabilities.

## BEEcube Inc

39465 Paseo Padre Pkwy, Suite 3700, Fremont, CA 94538, 510-252-1136, [sales@beecube.com](mailto:sales@beecube.com), [www.beecube.com](http://www.beecube.com)

Provides advanced all programmable FPGA platforms for real-time prototyping, development and deployment in such applications as software defined radio, RF data capture, advance radar, military WLAN, UWB and optical interface. Product line includes FPGA systems, mixed-signal FMC cards, optimized IP cores and intuitive software development tools.

## Behlman Electronics Inc

(sub of Orbit International), 80 Cabot Ct, Hauppauge, NY 11788, 631-435-0410 x195,  
[sales@behlman.com](mailto:sales@behlman.com), [www.behrman.com](http://www.behrman.com)

Manufactures standard, custom, COTS, form-fit-function replacement and build-to-print AC power sources, converters and frequency converters, inverters, on-line UPS, DC/DC, and AC/DC. Applications include ATE, avionics test and repair, motor generators replacement, motor test, and IEC testing.

## Belden

7733 Forsyth Blvd, Suite 800, St Louis, MO 63105,  
206-905-1395, [info@belden.com](mailto:info@belden.com), [www.belden.com](http://www.belden.com)

Manufactures specialty cable for communications, broadcast, industrial, network, sound, security, and alarm applications. Product lines include multiconductor, electro optics, coaxial, high-performance twisted pair, high-temperature, flat cable, hook-up, and lead wire.

## BellowsTech LLC

1289 N US Hwy 1, Suite 1, Ormond Beach, FL 32174, 386-615-7530, [bellows@bellowstech.com](mailto:bellows@bellowstech.com), [www.bellowstech.com](http://www.bellowstech.com)

## BE Meyers & Co Inc

9461 Willows Rd NE, Redmond, WA 98052,  
425-881-6648, [sales@bemeyers.com](mailto:sales@bemeyers.com), [www.bemeyers.com](http://www.bemeyers.com)

Manufactures lasers and night vision devices primarily for military and law enforcement applications. Specializes in lasers for pointing, aiming, marking, and illuminating, weapon mounted lasers, and more.

## Berkeley Nucleonics Corp

2955 Kerner Blvd, San Rafael, CA 94901-5533,  
415-453-9955, [info@berkeleynucleonics.com](mailto:info@berkeleynucleonics.com), [www.berkeleynucleonics.com](http://www.berkeleynucleonics.com)

Provides precision electronic instrumentation for test, measurement, and nuclear research. Products range from pulse generators and digital delay generators to specialized hand-held instruments and portal monitors capable of radiation detection and isotope identification.

## Berliner Glas KGaA Herbert Kubatz GmbH & Co

Space Div, (sub of Berliner Glas Group), Waldkraiburger Str 5, Berlin 12347, Germany,  
49-3060-9050, [info@berlinerglas.de](mailto:info@berlinerglas.de), [www.berlinerglas.com](http://www.berlinerglas.com)

Customizes space systems which have to cope with strong cosmic radiation, shock and vibration stresses and severe temperature fluctuations, such as optical systems for free space communication or modules for satellites, from idea to serial production, using leading edge material and manufacturing technology like anodic bonding of glass and ceramics.

## BEST Inc

3603 Edison Pl, Rolling Meadows, IL 60008,  
847-797-9250, [bwet@solder.net](mailto:bwet@solder.net), [www.solder.net](http://www.solder.net)  
Offers contract PCB rework and repair services, professional soldering skills training/certification and rework and repair products at an ITAR registered facility. Specializes in the rework of BGAs, LGAs as well as difficult to repair PCBs. Other rework service include the reballing of BGAs.

## Beyond Electronics Corp

3209 Gresham Lake Rd, Suite 113, Raleigh, NC 27615, 919-231-8000,  
[sales1@beyondelectronics.us](mailto:sales1@beyondelectronics.us), [www.beyondelectronics.us](http://www.beyondelectronics.us)

Designs and manufactures high-reliability computer equipment and software for a large array of applications ranging from military mission critical modules to automotive real time control. The experience includes graphics, image processing, networking, real-time software, complex FPGA development, high-performance communications and high-performance computing.

## Binder-USA

3903 Calle Tecate, Camarillo, CA 93012,  
805-437-9925, [sales@binder-usa.com](mailto:sales@binder-usa.com), [www.binder-usa.com](http://www.binder-usa.com)

Designs and manufactures circular connectors and cordsets for use in industrial environments including factory automation, process control, and medical technology applications.

## BI Technologies

(sub of TT Electronics), 4200 Bonita Pl, Fullerton, CA 92835, 714-447-2345, [sales@bitechologies.com](mailto:sales@bitechologies.com), [www.bitechologies.com](http://www.bitechologies.com)

Manufactures power resistors, and resistor networks, chip resistor arrays, integrated DC passive networks, trimming and precision potentiometers, position sensors, transformers, inductors, and hybrid microelectronics for communication, computer, automotive, medical, and industrial applications.

## BittWare

9 Hills Ave, Concord, NH 03301, 603-226-0404,  
[info@bittware.com](mailto:info@bittware.com), [www.bittware.com](http://www.bittware.com)  
Designs and deploys high-end signal processing board-level solutions that significantly reduce technology risk and time-to-revenue for OEM customers. Solutions are exclusively based on the latest FPGA technology from Altera and industry-standard COTS form factors including PCIe, VPX/OpenVPX, AMC, XMC. Has over two decades of experience.

**Blue Sky Research**

1537 Centre Pointe Dr, Milpitas, CA 95035,  
408-941-6068, sales@blueskyresearch.com,  
[www.blueskyresearch.com](http://www.blueskyresearch.com)

Is a volume manufacturer of fiber-coupled, free-space and multi-wavelength laser modules, semiconductor laser devices, and OEM laser components. Offers off-the-shelf or custom solutions which provide the best possible balance of performance, value and quality. Vis-IR wavelengths available. Fielded over 1 million lasers since inception in 1989. Manufactured in the US.

**Boker's Inc**

3104 Snelling Ave, Minneapolis, MN 55406-1937,  
612-729-9365, sales@bokers.com,  
[www.bokers.com](http://www.bokers.com)

Manufactures flat washers, spacers and shims with an outside diameter from 0.080" to 12" and material thickness from 0.005" to 0.134". Also inventories thousands of stock tools in order to manufacture specific non-standard washer sizes without tool charges with diameters from 0.080" to 5.140".

**Boonton (A Wireless Telecom Group Co)**

25 Eastmans Rd, Parsippany, NJ 07054,  
973-386-9696, info@boonton.com,  
[www.boonton.com](http://www.boonton.com)

Designs and manufactures RF, microwave, audio, modulation and impedance test instrumentation, and sensors for military and commercial applications. Offers various power meters in multiple formats including stand alone, USB and peak.

**Bravo Communications Inc**

3463 Meadowlands Ln, San Jose, CA 95135,  
408-297-8700, sales@bravobravo.com,  
[www.bravobravo.com](http://www.bravobravo.com)

**Broadax Systems Inc**

17539 E Rowland St, City of Industry, CA 91748,  
626-964-2335, info@bsicomputer.com,  
[www.bsicomputer.com](http://www.bsicomputer.com)

Designs and manufactures ruggedized flat-panel displays and computers.

**Butler Mfg**

1540 Genessee St, Kansas City, MO 64102,  
816-968-3000, mrbruns@butlermfg.com,  
[www.butlermfg.com](http://www.butlermfg.com)

Provides buildings for industry. The company maximizes productivity with clear-span structural framing, weathertight standing-seam metal roof systems, and an energy-efficient building envelope. Can compress building schedules to get up and running faster.

**Cable Labels USA**

Network Connections Group USA Div, Lake Mary Blvd, Lake Mary, FL 32746, 407-321-7394,  
[info@cablelabelsusa.com](mailto:info@cablelabelsusa.com), [www.cablelabelsusa.com](http://www.cablelabelsusa.com)

Provides the most cost-effective cable labeling products to ensure successful completion of projects based on sensible engineering and budgetary requirements. Offers cost-effective tech cable labels made in the US.

**CAD/CAM Services Inc**

1529 Brooklane, Suite 201, Celina, TX 75009,  
800-938-7226, scott@cadcam.org,  
[www.cadcam.org](http://www.cadcam.org)

**CAE**

8585 Cote de Liesse, St Laurent, QC H4T 1G6,  
Canada, 514-341-6780, [milsim@cae.com](mailto:milsim@cae.com),  
[www.cae.com](http://www.cae.com)

Specializes in modeling, simulation and training for civil aviation and defense. The company's business is diversified, ranging from the sale of simulation products to providing comprehensive services such as training and aviation services, integrated enterprise solutions, in-service support and crew sourcing.

**CAE USA**

(div of CAE), 4908 Tampa W Blvd, Tampa, FL 33634,  
813-885-7481, [milsim@cae.com](mailto:milsim@cae.com), [www.cae.com](http://www.cae.com)  
Specializes in modeling, simulation and training for civil aviation and defence. The company's business is diversified, ranging from the sale of simulation products to providing comprehensive services such as training and aviation services, integrated enterprise solutions, in-service support and crew sourcing.

**CALCULEX INC**

132 W Las Cruces Ave, Las Cruces, NM 88001,  
505-525-0131, [sales@calculex.com](mailto:sales@calculex.com),  
[www.calcullex.com](http://www.calcullex.com)

Provides front-end electronics for high-rate digital instrumentation data recorders.

**Camber Corp**

4885 Alpha Rd, Suite 110, Dallas, TX 75244,  
972-308-2008, [radar@camber.com](mailto:radar@camber.com),  
[www.camber.com](http://www.camber.com)

Designs and manufactures RF, IR and EO sensor simulators, maintenance training simulations, real-time visual applications interfaced to the latest image generators and the environmental models/databases required to support them. Designs and manufactures custom PCI and VME video and interface boards.

**Canyonwest Cases**

PO Box 19827, 14411 N Hampstead Dr, Fountain Hills, AZ 85269, 480-816-9652,  
[sales@canyonwestcases.com](mailto:sales@canyonwestcases.com),  
[www.canyonwestcases.com](http://www.canyonwestcases.com)

Provides military-grade reusable cases of all shapes and sizes. Custom products include hard cases, soft cases and foam interiors. Provides stock cases from top manufacturers including SKB, Pelican, Gator, Parker, Hardigg and others. Emergency lighting products include the Pelican remote area lighting systems (RALS) portable lights.

**Carr Quality Compliance Consulting**

28536 Oakmont, Mission Viejo, CA 92692,  
949-306-4354, [fred@usaqms.com](mailto:fred@usaqms.com),  
[www.usaqms.com](http://www.usaqms.com)

Offers AS9100 ASD (aviation, space and defense) quality system management consulting. Services include internal audit, GAP analysis, management review, new quality program implementation and pre-assessment for AS9100 registration certificate.

**Cascade TEK**

5245-A NE Elam Young Pkwy, Hillsboro, OR 97124,  
503-648-1818, [www.cascadetek.com](http://www.cascadetek.com),  
[www.cascadetek.com](http://www.cascadetek.com)

Operates as an A2LA accredited, DSCC MIL-STD 202 testing facility, well equipped to perform environmental tests required by MIL-STD and RTCA-DO-160. Offers vibration, shock, acceleration, blowing sand/dust, ingress protection, salt/fog, thermal shock, temp/humidity, altitude, and combined temp/vibration. Is also ISTA certified for package testing.

**CAS DataLoggers**

12628 Chillicothe Rd, Unit J, Chesterland, OH 44026, 440-729-2570, [sales@dataloggerinc.com](mailto:sales@dataloggerinc.com),  
[www.dataloggerinc.com](http://www.dataloggerinc.com)

Manufactures data acquisition and control systems including high-performance real-time systems for use in data acquisition, test and control applications featuring microsecond precision. Configuration assistance, custom programming, custom system design and assembly, post-sales technical support, and repair and calibration services are included.

**Celsia Inc**

18470 Murphy Springs Ct, Morgan Hill, CA 95037,  
408-577-1407, [gmeyer@celsiatechnologies.com](mailto:gmeyer@celsiatechnologies.com),  
[www.celsiatechnologies.com](http://www.celsiatechnologies.com)

Provides standard and custom advanced thermal solutions for challenging applications. Designs and manufactures thermal solutions based on two-phase heat transfer technology for the most challenging thermal problems.

**Central Semiconductor Corp**

145 Adams Ave, Hauppauge, NY 11788,  
631-435-1110, [tdonofrio@centralsemi.com](mailto:tdonofrio@centralsemi.com),  
[www.centralsemi.com](http://www.centralsemi.com)

Manufactures discrete semiconductors packaged in both through-hole and surface mount case types. Products include transistors, MOSFETs, diodes, rectifiers, current limiting diodes, bridge rectifiers, thyristors and silicon carbide devices.

**Cepoint Networks LLC**

1 W Otterson St, Nashua, NH 03060,  
603-883-7979 x103, [sales@cepoinit.com](mailto:sales@cepoinit.com),  
[www.cepoinit.com](http://www.cepoinit.com)

Manufactures rugged, portable and rackmount computers, and airborne DVR systems with IRIG-B time stamp for real-time video acquisition. Products include Multi-I/O PCI bus portable PC w/SSD, and Studio 9000-DVR rack-mountable DVR. Both DVI/VGA, HD-SDI video and data capture systems records directly to hard disk.



## CES - Creative Electronic Systems SA

38 Ave Eugène Lance, Grand-Lancy CH-1212, Switzerland, 41-22-884-51-00, [ces@ces.ch](mailto:ces@ces.ch), [www.ces.ch](http://www.ces.ch)

Designs and manufactures complex high-performance avionics, defense and communication boards, subsystems and complete systems for 30 years. Is involved in the most advanced aerospace and defense programs throughout Europe and the US, and delivers innovative solutions worldwide. Headquartered in Geneva, Switzerland.

## Chassis Plans

10123 Carroll Canyon Rd, San Diego, CA 92131, 858-571-4330, [davidl@chassisplans.com](mailto:davidl@chassisplans.com), [www.chassis-plans.com](http://www.chassis-plans.com)

Designs, builds, and integrates military- and industrial-grade rackmount computer systems and LCD displays and keyboards that support mission-critical applications for defense, aerospace, and homeland security are experts at custom system design and manufacture when an off-the-shelf solution is not available.

## Cirexx International Inc

791 Nuttman St, Santa Clara, CA 95054, 408-988-3980, [dkaufman@cirexx.com](mailto:dkaufman@cirexx.com), [www.cirexx.com](http://www.cirexx.com)

Offers quick-turn fabrication of rigid-flex, flex and rigid PCBs. Is MIL-PRF-31032 and AS9100C certified. Offers one piece to program volumes. Specializes in upfront engineering services. Also, provides design layout services, and in-house PCBA assembly services certified to J-STD-001 ES.

## Clary Corp

150 E Huntington Dr, Monrovia, CA 91016, 626-359-4486, [sales@clary.com](mailto:sales@clary.com), [www.clary.com](http://www.clary.com) Focuses on providing protection for critical applications where downtime is simply not an option. In the 1970's, the company designed the first all solid-state uninterruptible power supply (UPS) and ever since, has been refining this technology to meet the expanding needs of customers the world over.

## Clear-Com

1301 Marina Village Pkwy, Suite 105, Alameda, CA 94501, 855-237-4624, [magsales@clearcom.com](mailto:magsales@clearcom.com), [www.clearcom.com](http://www.clearcom.com)

Delivers professional communication solutions for command and control, training and simulation, test and evaluation, and more. For over 40 years, The company's partyline, digital matrix, wireless, and IP-based intercom solutions have led the industry with high-quality audio performance that meets critical needs in a variety of settings.

## ClearDrain

(div of Melville Industries Inc), PO Box 555, Willingboro, NJ 08046, 856-461-0091, [sales@cleardrainusa.com](mailto:sales@cleardrainusa.com), [www.cleardrainusa.com](http://www.cleardrainusa.com) Manufactures the ClearDrain system which eliminates air dryers on vehicles and equipment. Made in the US. Weighs 7.2 lbs installed. Temperatures range from -100°F to +185°F. All components are stainless and brass. Electronics are solid-state. System is self-cleaning, self-defrosting and self-lubricating. Desiccant free. Offers a full five-year unlimited hours/mileage.

## Coaxial Components Corp (Coaxicom)

1501 SE Decker Ave, # 201, Stuart, FL 34994-3964, 866-262-9426, [sales@coaxicom.com](mailto:sales@coaxicom.com), [www.coaxicom.com](http://www.coaxicom.com) Manufactures all series of coaxial connectors/adapters, cable assemblies, attenuators, terminations, phase adjusters, DC blocks and more. Parts are in accordance with MIL-PRF-39012, MIL-A-55339, MIL-C-83517 and MIL-STD-348 as applicable.

## Cobham Antenna Systems

Microwave Antennas Div, Lambda House, Little Green, Newmarket, Suffolk CB8 9RG, UK, 44-1638-731-888, [newmarket.sales@cobham.com](mailto:newmarket.sales@cobham.com), [www.cobham.com/antennasystems/microwaveantennas](http://www.cobham.com/antennasystems/microwaveantennas)

Designs and manufactures high-quality antennas for aerospace, military and security applications including electronic warfare (EW), UAV, ground, air, body worn and many more. Antennas are developed quickly and effectively to customer's specific requirements.

## Cobham Mission Systems

2734 Hickory Grove Rd, Davenport, IA 52804, 563-383-6000, [cms.iainfo@cobham.com](mailto:cms.iainfo@cobham.com), [www.cobham.com](http://www.cobham.com)

Designs, develops and manufactures critical technology for air-to-air refueling, weapons release, life support and explosive ordnance disposal robot applications and operates/maintains more than 150 aircraft on specialist flight operations.

## Coherent Inc

5100 Patrick Henry Dr, Santa Clara, CA 95054, 408-764-4983, [tech.sales@coherent.com](mailto:tech.sales@coherent.com), [www.coherent.com](http://www.coherent.com)

Designs, manufactures and markets laser sources, laser tools, accessories and components for a wide range of markets and applications since 1966. Also offers leading-edge beam forming and beam guidance systems as well as laser beam measurement and control equipment.

## Coherent Logix Inc

1120 S Capital of Texas Hwy, Bldg 3, Suite 310, Austin, TX 78746, 512-382-8940, [www.coherentlogix.com](http://www.coherentlogix.com)

Provides low-power, high-performance, C-programmable processors for the embedded systems market.

## CohuHD

12367 Crosthwaite Cir, Poway, CA 92064, 858-391-1795, [news@cohuhd.com](mailto:news@cohuhd.com), [www.cohuhd.com](http://www.cohuhd.com)

Manufactures high-definition video systems designed for the performance requirements associated with critical infrastructure applications. Solutions integrate the latest high-definition video imaging and compression technologies into the company's rugged camera products.

## Combined Systems Inc

388 Kinsman Rd, Jamestown, PA 16134, 724-932-2177, [mjovenall@combinedsystems.com](mailto:mjovenall@combinedsystems.com), [www.combinedsystems.com](http://www.combinedsystems.com)

Engineers, manufactures and supplies company tactical munitions and crowd control devices to armed forces, law enforcement, corrections and homeland security agencies.

## Comco Inc

2151 N Lincoln St, Burbank, CA 91504, 818-841-5500, [sales@comcoinc.com](mailto:sales@comcoinc.com), [www.comcoinc.com](http://www.comcoinc.com)

Manufactures micro-abrasive blasting materials used in a range of military and aerospace electronics applications. The MicroBlaster is used for conformal coating removal and in the manufacture of actuator pumps, pneumatic valves, gyro components, thermocouples, load cells, and strain gauges. Also used for maintenance on turbine blades.

## Comdel Inc

11 Kondelin Rd, Gloucester, MA 01930, 978-282-0620, [amy\\_greaves@comdel.com](mailto:amy_greaves@comdel.com), [www.comdel.com](http://www.comdel.com)

Offers RF generators, DC power supplies and matching networks that are used by the leading semiconductor equipment manufacturers, solar cell/photovoltaics manufacturers and IC makers throughout the world. The combination of products and people provides customers with advanced power supply technology, proven techniques and product reliability ensuring lasting partnerships.

## Compsim

1040 Thornridge Ct, Brookfield, WI 53045, 262-797-0418, [info@compsim.com](mailto:info@compsim.com), [www.compsim.com](http://www.compsim.com)

Offers KEEL (knowledge enhanced electronic logic) technology which allows a subject matter expert to model, and then deploy, right-brain decisions in applications and/or devices. KEEL is 100% auditable. It can be used in very complex, nonlinear systems (dynamically changing systems) without using mathematical formulas.

## ComSpec USA Ltd

Chicago Sky Light Div, PO Box 333, Gilberts, IL 60136-0333, 847-836-2569, [paul@chicagoskylight.com](mailto:paul@chicagoskylight.com), [www.chicagoskylight.com](http://www.chicagoskylight.com) Distributes Sky Scapes, a durable, lightweight decorative fluorescent light diffusers that replace existing light panels. Diffusers measure 23.75x47.75" and 0.45 mils thick. Diffusers drop into a standard 2x4" light frame. Sky Scapes will make every day, a bright sunny day. Designs offer many unique sky scenes.

**Comtelco Industries Inc**

501 Mitchell Rd, Glendale Heights, IL 60139, 630-790-9894, sales@comtelcoantennas.com, www.comtelcoantennas.com

Offers a complete line of base station antennas, yagi antennas, mobile antennas, wireless internet antennas, sector antennas, panel antennas, GPS antennas, portable antennas, plus antenna accessories including antenna mounting hardware, cables and connectors.

**Concorde Battery Corp**

2009 San Bernardino Rd, West Covina, CA 91790, 626-813-1234, customer-service@concordebattery.com, www.concordebattery.com

Manufactures over 90 models of OE and FAA, ANAC, Argentinean, Canadian and EASA certified direct replacement batteries. As a designer of application specific solutions, the sealed lead acid batteries are installed by the majority of aircraft manufacturers and are in service in military aircraft worldwide.

**Conduant Corp**

1501 S Sunset St, Suite C, Longmont, CO 80501, 303-485-2721, info@conduant.com, www.conduant.com

Provides real-time, long-duration digital recording and playback systems. Data recorders are used in environments where large volumes of raw, high-speed data streams are generated (radio astronomy, high-resolution video imaging, radar surveillance and signal processing) recording/playback at 800 MB/sec. Provides a variety of I/O options, including PCI Express.

**Connection Technology USA**

40538 La Purissima Way, Fremont, CA 94539, 510-509-0305, andrew\_wang@ctsystem.com, www.ctsystem.com

Offers comprehensive product portfolios including OAM solutions, IN-Band/SNMP managed fiber switch, media converters (stand-alone, slide-in module) and chassis, CWDM solutions and household triple play devices.

**Contract Manufacturing Consultants Inc**

8201 164th Ave NE, Suite 200, Redmond, WA 98052, 425-453-8044, admin@cmcseattle.com, www.cmcseattle.com

Helps leading technology companies create world-class outsourcing strategies and programs for printed circuit board assembly, mechanical subassembly and complete end-products. Other major service areas include outsourcing/insourcing feasibility, vendor risk assessment, cost model-based price benchmarking and litigation consulting.

**Cool Innovations Inc**

141 Cidermill Ave, #2, Concord, ON L4K 4G5, Canada, 905-760-1992, sales@coolinnovations.com, www.coolinnovations.com

Offers standard and exotic aluminum and copper pin fin heat sinks that are suitable for a variety of devices ranging from miniature semiconductors to large power devices.

**CoorsTek Armor Solutions Inc**

N Table Mountain, 16000 Table Mountain Pkwy, Golden, CO 80403, 303-271-7000, info@ctarmor.com, www.coortek.com

Supplies a variety of critical components for the aerospace and aviation industries including alumina thick and thin-film substrates used in the manufacture of hybrid circuits for on-board applications. Engineers take advantage of the electrical, thermal, and mechanical characteristics of technical ceramic materials in many harsh-environment applications.

**Corning Cable Systems**

(div of Corning Inc), 800 17th St NW, Hickory, NC 28601, 828-901-5000, www.corning.com/cablesystems

Manufactures fiber-optic communications system solutions for voice, data and video network applications worldwide. Offers the broadest range of end-to-end fiber-optic product solutions for customers' telecommunications networks, pioneering many of the global product solutions commonly used in state-of-the-art cabling systems.

**Craig Technologies**

Aerospace & Defense Manufacturing Center (ADMC), 8550 Astronaut Blvd, Cape Canaveral, FL 32920, 321-613-5620, quotes@craigtechinc.com, www.craigtechinc.com/admc.htm

Provides precision machining, custom avionics, specialty manufacturing, and test and evaluation capabilities to complement the company's award-winning engineering and technical services in the 161,000 sf Aerospace & Defense Manufacturing Center (ADMC) which houses over 2000 pieces of unique equipment. Is EDWOSB, SDVOSB, ISO 9001/AS9100 certified and ITAR compliant.

**■ Crane Aerospace & Electronics**

(div of Crane Co), 10301 Willows Rd NE, Redmond, WA 98052, 425-882-3100, electronics@crane-eg.com, www.craneae.com

Supplies high-density, high-reliability components and electronics to the aerospace and defense markets that are designed for some of the toughest environments including ground based, airborne and space flight. When failure is not an option, partner with the company, a trusted market leader in critical applications.

(See ad page BG15)

**Crane Wireless Monitoring Solutions**

Crane Controls Div, (div of Crane Co), 3301 Essex Dr, Richardson, TX 75082, 469-330-3100, sales@cranewms.com, www.cranewms.com

Provides wireless sensor networks for industrial, commercial and government applications. With radio communications and wireless systems, the company designs and manufactures unattended ground sensor systems and Zigbee-based wireless mesh network solutions. The company also provides wireless communications R&D services.

**Critical I/O**

36 Executive PK, Suite 150, Irvine, CA 92614, 949-553-2200, info@criticalio.com, www.criticalio.com

Provides high-performance interfaces for embedded, avionics, and military applications. The company has brought high-performance Ethernet interfaces to the real-time and embedded systems marketplace. With Silicon Stack Ethernet architecture, critical I/O enables high-performance Ethernet-based systems to compete with costly proprietary fabrics.

**Crystal Group Inc**

850 Kacena Rd, Hiawatha, IA 52233, 319-378-1636, rfq@crystalrugged.com, www.crystalrugged.com

Designs and manufactures deployment-ready, rugged servers, displays, networking, embedded, and storage devices that fit mission-critical applications. Excels at providing commercial-off-the-shelf (COTS) and custom designed systems tailored to specifications. All products are designed and built to meet/exceed MIL-STDs 810F/G, 167-1, 461E/F and MIL-S-901D.

**Crystal Image Technologies**

(div of Global Infrastructure Solutions), 15400 W 64th Ave, Suite E9-156, Arvada, CO 80007, 800-542-2489, sales@rackmountsales.com, www.rackmountsales.com

Offers a wide range of rack mount LCD panels and drawers including dual and triple rack-mount LCD drawers and panels and a full line of standard and custom keyboard drawers and KVM switches.

**CSP Inc**

MultiComputer Div, 43 Manning Rd, Billerica, MA 01821, 978-663-7598, info@cspi.com, www.cspi.com

Designs and manufactures commercial high-performance computer signal processing systems. These systems are dense and rugged with powerful real-time I/O and require minimum physical space or power. Systems are used on land, airborne, and shipboard platforms for high-speed digital signal processing in radar, sonar, and surveillance applications.

**CTT Inc**

241 E Java Dr, Sunnyvale, CA 94089, 408-541-0596, sales@cttinc.com, www.cttinc.com

Supplies customers worldwide with power amplifiers, low-noise amplifiers, frequency converters, frequency multipliers, transmitters, transceivers, and receivers within the frequency spectrum of 10 MHz to 100 GHz. The new GaN and GaAs-based solid-state amplifier designs offer cost-effective performance solutions for both military and commercial applications.

# VENDOR DIRECTORY

## Curtiss-Wright Controls Avionics & Electronics

(sub of Curtiss-Wright Controls), 665 N Baldwin Pk Blvd, City of Industry, CA 91746, 626-851-3100, cwc-ae@curtisswright.com, www.cwc-ae.com  
Designs and manufactures rugged data acquisition, recording and controller subsystem solutions for the aerospace market. It invests heavily in R&D to ensure it maintains the technology leadership required to deliver high-performance COTS and custom engineered products. The core capabilities include certified system and software integration.

## Curtiss-Wright Controls Defense Solutions

(sub of Curtiss-Wright Controls), 20130 Lakeview Center Plaza, Suite 200, Ashburn, VA 20147, 703-779-7800, defensesales@curtisswright.com, www.cwcdefense.com  
Specializes in rugged electronic modules and systems for defense applications. Has unmatched capabilities and product breadth from industry standard-based COTS modules to complete electronic subsystems. Modules and systems are deployed in a wide range of demanding defense and aerospace applications.

## Custom Circuit Boards

17650 N 25th Ave, #2, Phoenix, AZ 85023, 888-906-6331, pcb@customcircuitboards.com, www.customcircuitboards.com  
Specializes in quick turnaround PCB prototyping. Premium turnaround times include 24 hours and 48 hours and a standard lead time of 10 days. Submit PCB information today to get a fast and accurate quote direct from the manufacturer.

## Custom Engineering Co

2800 McClelland Ave, Erie, PA 16510, 814-898-2800, emcdemit@customeng.com, www.customeng.com  
Offers a skilled workforce of nearly 200 with a proven performance record in satisfying the diverse needs of customers around the globe who are world leaders in the transportation, power generation, steel, air compression, chemical processing, petrochemical, forest products, plastics, aerospace and laminate industries.

## Cyberchron Rugged Systems

(div of C-Systems Corp), 2700 Rt 9, PO Box 160, Cold Spring, NY 10516, 845-265-3700, cfadden@cyberchron.com, www.cyberchron.com  
Engineers, designs, and manufactures ruggedized computer and electronics systems, workstations, servers, laptops, displays, keyboards, NAS and SAN systems, custom and semi-custom units, and configurations. All products are designed and tested to meet extended environmental and EMI specifications.

## DAC International Inc

6702 McNeil Dr, Austin, TX 78729, 512-331-5323, dacinfo@dacint.com, www.dacint.com  
Specializes in the sale and distribution of sophisticated avionics products, systems and test equipment to the world's airlines, corporate aircraft, modification centers, aircraft manufacturers, special mission, and military markets.

## Data Bus Products

80 Chase Rd, Manhasset, NY 11030, 516-365-8464, customerservice@databusproducts.com, www.databusproducts.com  
Manufactures MIL-STD-1553 databus couplers, terminators, relays, bus switches, splitters, cable assemblies, connectors and adapters. All products are manufactured in accordance with avionic equipment flight envelope parameters.

## Data Device Corp (DDC)

105 Wilbur Pl, Bohemia, NY 11716, 631-567-5600, service@ddc-web.com, www.ddc-web.com  
Designs and manufactures high-reliability MIL-STD-1553, ARINC 429, AFDX, Fibre Channel, synchro/resolver, solid-state power controllers and motor drive, cards, components, and software for aerospace, defense, and industrial applications.

## Dataforth Corp

3331 E Hemisphere Loop, Tucson, AZ 85706, 520-741-1404, sales@dataforth.com, www.dataforth.com  
Manufactures high-performance signal conditioning and data communications products used in industrial, automation, and data acquisition.

## Dawn VME Products

47915 Westinghouse Dr, Fremont, CA 94539, 800-258-3296, mail@dawnvme.com, www.dawnvme.com  
Manufactures commercial to full rugged embedded packaging solutions based on the VITA and PICMIG system architectures. Products include development systems, rack-mount powered chassis and enclosures, backplanes, system health monitors, accessories, extender boards, protoboard, overlays, front and filler panels. Backplanes and chassis available for VPX, VME, VME64x, VITA41 (VXS) and more.

## dB Control

(sub of HEICO Corp Electronic Technologies Group (ETG)), 1120 Auburn St, Fremont, CA 94538, 510-656-2325, marketing@dbcontrol.com, www.dbcontrol.com  
Designs and manufactures reliable high-power microwave TWT amplifiers (TWTAs), microwave power modules (MPMs) and high-voltage power supplies (HVPS) for radar, electronic countermeasures (ECM), data links, communications and instrumentation applications. Also provides depot repair services, specialized contract manufacturing and high-voltage, RF, microwave, and environmental testing services.

## DDC-I Inc

4600 E Shea Blvd, Suite 102, Phoenix, AZ 85028, 602-275-7172, sales@ddci.com, www.ddci.com  
Offers complete solutions for embedded software developers with a focus on mission- and safety-critical applications. Products include safety critical, real-time embedded operating systems certified to DO-178B Level A since 1998, multi-language compilers, integrated development environments and run-time systems. Services include custom software development and legacy software modernization solutions.

## Del Mar Photonics Inc

4119 Twilight Ridge, San Diego, CA 92130, 858-876-3133, sales@dmphotonics.com, www.dmphotronics.com  
Offers a product portfolio including a CW single-frequency ring Dye/Ti:sapphire lasers and spectrometers, ultrafast solid-state and fiber oscillators and amplifiers, diode pumped solid-state lasers, autocorrelators, pulse pickers, fluorescence, transient spectroscopy and multiphoton microscopy systems, femtosecond and Raman ready AFM and NSOM, terahertz THz set ups, NIR-MWIR-LWIR cameras, and optical and crystal components.

## Delta Commercial Vision LLC

21 Maple Glenn Rd, Mount Laurel, NJ 08054, 609-969-3430, jc@deltaimager.com, www.deltaimager.com  
Offers custom imaging system design, including multi-spectra (200–15,000 nm), 360 panoramic, and imaging processing embedded boards.

## Delta Digital Video

(div of Delta Information Systems Inc), 300 Welsh Rd, Bldg 3, Suite 120, Horsham, PA 19044, 215-657-5270, ddv@delta-info.com, www.deltadigitalvideo.com  
Designs and manufactures video compression and scan conversion products for aerospace applications. Develops standards-based video compression products to support ISR applications, with a special emphasis on unmanned vehicles. The scan converter products support the recording and display of stroke and high-resolution video in tactical and simulator applications.

## Deposition Sciences Inc (DSI)

3300 Coffey Ln, Santa Rosa, CA 95403, 707-573-6700, solutions@depsc.com, www.depsc.com  
Delivers durable, optical thin-film filter coatings. Coating capabilities range from the ultraviolet (UV) through visible to near-infrared (NIR), midwave-infrared (MWIR) out to the longwave-infrared (LWIR) region. The evaporative capability and proprietary MicroDyn reactive sputtering deposition process enable superior, multilayer thin-film coatings for precision optics.

## Design Criteria Inc

1821 W 4000 S, Suite 200, Roy, UT 84067, 801-393-1414, power@designcriteria.com, www.designcriteria.com  
Supplies custom military power supplies and DC/DC converters. Offers a cost effective solution to design and manufacture custom power supplies, DC/DC converters, magnetics, high-voltage power supplies, power distribution units, laser diode drivers, high-power illuminators for harsh environments.

**DesignLED Technology (HK) Co Ltd**

Bldg.Taohuayuan Innovation Zone, Xixiang St, Bao'an Dist, Shenzhen, Guangdong 518102, China, 86-755-27960837, info@designledpro.com, www.designledpro.com

Manufactures giant LED screens with P6 and P10 twisted/flexible LED screens and lightweight LED tiles, VMS traffic systems and more. Is a private-owned company based in Shenzhen, China with 20 years experience.

**DeTect Inc**

1430 Harrison Ave, Panama City, FL 32401, 850-763-7200, sales@detect-inc.com, www.detect-inc.com

Specializes in remote sensing technologies and systems for aviation safety. The MERLIN Aircraft Birdstrike Avoidance Radar system is the most widely used bird radar technology available for bird-aircraft strike hazard (BASH) management and for real-time detection and tracking of hazardous bird activity at commercial airports and military airfields.

**Develeast SA**

Palazzo la Grida, Roveredo, GR 6535, Switzerland, 41-789-564-207, info@develeast.ch, www.develeast.ch

Offers design and verification services oriented towards companies working within programs that will be certified to the DO-254 standard including DO-254 certifiable IP cores that can be quickly integrated in the customer's DO-254 design, DO-254 verification IP cores and DO-254 design and verification services at all levels of the DO-254 process.

**Device Engineering Inc**

480 E Alamo Dr, Chandler, AZ 85225, 480-303-0822, info@deiaz.com, www.deiaz.com Specializes in fabless semiconductor manufacturing to supply a portfolio of standard products targeted primarily toward avionics including transceivers, receivers, and drivers for Arinc 429 and other communications protocols, discrete/digital converters, and other general purpose components. Also supplies a select offering of mixed-signal ASICs and analog arrays.

**DeWAL Industries**

15 Ray Trainor Dr, Narragansett, RI 02882, 401-789-9736, cbrooks@dewal.com, www.dewal.com

Manufactures PTFE, used in wire and cable construction and pressure-sensitive PTFE and UHMW-PE films and tapes for aerospace, aviation, electrical/electronic, mechanical/industrial, and thermal spray applications. The high-performance polymer films and tapes are precision cut and used for resistance to abrasion, high-temperature, high-pressure and chemical resistance.

**Dexter Magnetic Technologies Inc**

1050 Morse Ave, Elk Grove Village, IL 60007, 847-956-1140, info@dextermag.com, www.dextermag.com

Specifies, designs and fabricates permanent magnets and magnetic assemblies and is a large global supplier of magnetic cores and accessories. With more than three dozen patents, facilities certified to AS9100-C and magnetic design support tools, the company is an essential magnet partner.

**Diamond-MT Inc**

213 Chestnut St, Johnstown, PA 15906, 814-535-3505, shorn@diamond-mt.com, www.paryleneconformalcoating.com

Specializes in contract applications of parylene, acrylic, silicone, urethane and epoxy conformal coatings for Department of Defense and commercial electronic systems.

**DiCon Fiberoptics Inc**

1689 Regetta Blvd, Richmond, CA 94804, 510-620-5200, sales@diconfiberoptics.com, www.diconfiberoptics.com

Offers fiber-optic switches for aerospace, military, test and measurement and other applications. Is a US manufacturer, AS9100C certified, ITAR registered and a fiber-optic switch expert (since 1986). The MEMS optical switches have been proven in aerospace and military systems and offers unsurpassed lifetime and durability.

**Dielectric Laboratories**

2777 Rt 20 E, Cazenovia, NY 13035, 315-655-8710, www.dilabs.com

Provides application-specific microwave and millimeter-wave components, serving customers in military, fiber-optic, wireless, medical, transportation, semiconductor, and avionics markets. Also provides high-frequency single- and multilayer capacitors, resonators, filters, heat sinks, and custom microwave solutions.

**Digi-Key Corp**

701 Brooks Ave S, Thief River Falls, MN 56701, 800-344-4539, sales@digikey.com, www.digikey.com

Distributes electronic components and ships products to more than 130 countries worldwide from its single location in northwestern Minnesota. Offers products from leading manufacturers and focuses on customer service.

**Digital Lightwave Inc**

1780 102nd Ave N, St Petersburg, FL 33716, 727-442-6677, sales@lightwave.com, www.lightwave.com

**Digital Systems Engineering Inc (DSE)**

17491 N 93rd St, Scottsdale, AZ 85255, 480-515-1110, info@digitalsys.com, www.digitalsys.com

Harsh-duty ruggedized flat-panel display design and manufacturing for airborne, military, and marine surveillance applications. Rugged high-definition technology, touch, advanced programmable button interfaces, PTZ control, NVIS technology, integrated digital video recording (DVR) and playback, flexible video and computer input configurations for critical video monitor applications.

**DILAS Diode Laser Inc**

9070 S Rita Rd, Suite 1500, Tucson, AZ 85747, 520-232-3480, sales@dilas-inc.com, www.dilas.com

Operates a high-volume, ISO certified and ITAR compliant facility. Designs, develops, and manufactures high-power, high-brightness diode laser components, modules and systems, including fiber-coupled products for the military and aerospace industries. Offers customized packages where space, weight and efficiency is at a premium.

**Discovery Technology International**

6968 Professional Pkwy E, Sarasota, FL 34240, 941-907-4444, info@discovtech.com, www.discovtech.com

Develops, manufactures and markets specialized instrumentation and devices. Provides precision piezoelectric motion control and flow control devices (piezo valves) used worldwide within various hi-tech industrial and scientific markets.

**DJM Electronics**

2907 Shelter Island Dr, 105-138, San Diego, CA 92106, 866-356-3532, sales@djmelectronics.com, www.djmelectronics.com

Manufactures 100 dB filters available for high-speed digital signals. The patent pending technology passes only the digital signal while maintaining 100 dB shielding effectiveness from 10 kHz–10 GHz and beyond. Offers fast Ethernet, Gigabit Ethernet or USB 2.0 in shielded enclosures.

**DLP Design Inc**

1605 Roma Ln, Allen, TX 75013, 469-964-8027, support@dlpdesign.com, www.dlpdesign.com Offers products including USB adapters, USB security dongles, development and evaluation boards, temperature/humidity sensors and RF/RFID products. Can also provide FPGA design/simulation and training materials development.

**DLS Electronic Systems Inc**

1250 Peterson Dr, Wheeling, IL 60090, 847-537-6400, jblack@dlsemc.com, www.dlsemc.com

Provides EMC/EMI and environmental testing to MIL-STD 461-A-F, MIL-STD 810, and RTCA DO-160-C-G, Boeing, Airbus FAA AC20-136B, Eurocea-14 and SAE ARP5412/5416 including multiple burst/multiple stroke lightning tests for military, avionics and aerospace. Conforms to MIL-STD 704 A-F and MIL-STD 1399. Offers 19 on-staff engineers and is EMC NARTE certified.

# VENDOR DIRECTORY

## **DNB Engineering Inc**

3535 W Commonwealth Ave, Fullerton, CA 92833, 714-870-7781, tonyp@dnbenginc.com, www.dnbenginc.com

Provides engineering and design services. Is fully staffed to provide customers with EMC (electromagnetic compatibility), lightning, HIRF, environmental, product safety and regulatory testing. Regularly performs tests in these categories, including but not limited to, MIL-STD-461, RTCA DO-160, MIL-STD-810, MIL-STD-202 and EIA-364 (MIL-STD-1344 superseded) requirements.

## **Dot Hill Systems Corp**

1351 S Sunset St, Longmont, CO 80501, 303-845-3200, www.dothill.com

Develops high-quality, commercial and military-grade storage products supporting the mission-critical applications of government customers worldwide. The company's dedicated government and defense team has the experience to quickly understand the unique and complex needs of government and defense environments.

## **dSPACE Inc**

(div of dSPACE GmbH), 50131 Pontiac Trail, Wixom, MI 48393-2020, 248-295-4700, info@dspaceinc.com, www.dspaceinc.com

Provides hardware and software tools for developing and testing sophisticated electronic control systems. For over 25 years, the company's high-quality, off-the-shelf software and hardware tools have played a vital role in product innovation across the industries, including aerospace and defense.

## **Duraflex Inc**

765 Industrial Dr, Cary, IL 60013, 847-462-1007, info@duraflexinc.com, www.duraflexinc.com

Operates as a manufacturer/service provider of highly engineered metal-to-rubber bellows and expansion joints including edge-welded, hydroformed, exhaust assemblies and flexible connectors for engineered piping systems.

## **Dynamac Inc**

1229 Capitol Dr, Addison, IL 60101, 630-543-0033, mkeane@dynamac-usa.com, www.dynamac-usa.com

Offers a full-service, precision CNC state-of-the-art robotic machining facility. Runs uninterrupted production "lights out" 24/7. Offers multi-axis 4, 5, and 7 axis with live tooling and twin spindles and new vertical and horizontal mills. The customer base includes aerospace and defense.

## **Dynamic Systems Inc**

15331 NE 90th St, Redmond, WA 98052, 425-216-1204, robf@dsisales.com, www.a-barcode.com

Offers barcode tracking applications that include tools and equipment, inventory, ID badge systems, job costing, time and attendance, document tracking, capital assets, wireless, site survey and labels/tags.

## **EaglePicher Technologies LLC**

C and Porter Sts, PO Box 47, Joplin, MO 64802, 417-623-8000, inquiry.technologies@eaglepicher.com, www.eaglepicher.com

Produces batteries and energetic devices for the defense, aerospace, medical, commercial, grid energy storage, oil, and gas industries. The company provides the most experience and broadest capability in battery electrochemistry of any battery supplier in the US.

## **Eco Ideas**

3/215 Neb Ext, Alwar 301001, India, 91-97-82943675, mohitkhairia@gmail.com, www.saveman.weebly.com

Offers sustainable development.

## **EcoSys**

385 Interlocken Crescent, Broomfield, CO 80021, 720-214-1000, info@ecosys.net, www.ecosys.net

Specializes in enterprise project controls software. The easy-to-use web-based platform, EcoSys EPC, helps organizations worldwide plan and manage project portfolios, control project costs, and improve project performance including project cost management, PPM, capital program management, budgeting, forecasting, estimating, workforce planning and earned value management (EVM).

## **EdmondMarks Technologies**

3535 Bldg 3, Rt 66, Neptune, NJ 07753, 732-643-0290, mmarks@edmondmarks.com, www.edmondmarks.com

Provides full-service electronic manufacturing services with full turnkey capabilities. Services include SMT, BGA, uBGA, FPT, Flip Chip and PTH thru hole technologies. Offers full in-house PCB design and test capabilities.

## **EDT Inc**

Electronic Technologies Group Div, (sub of HEICO Corp), 1400 NW Compton Dr, Suite 315, Beaverton, OR 97006, 503-690-1234, info@edt.com, www.edt.com

Designs and manufactures high-speed interfaces, recorders, extenders, and simulators for such formats as 1553B, LVDS/RS422, 1GbE-10GbE (optical and electrical), STM1/OC3-STM64/OC192, E1-E4, RF, IRIG-B, and Camera Link. Multiple form factors (PCle, PCI, cPCI, PMC) and platforms (Windows, Linux) available. Free API and SDK, with generous engineer-to-engineer support. Consulting available.

## **EGIDE USA Inc**

4 Washington St, Cambridge, MD 21623, 410-901-6220, sales@egide.fr, www.egide.fr

Designs and manufactures hermetic packages using glass-to-metal seal (GTMS), ceramic-to-metal seal (CTMS), and HTCC technology. Products are used in applications such as IR detectors, power converters, and modulators for the space, defense, aeronautic, industrial, telecommunications, and medical markets. The company has locations in France, US, UK, and Morocco.

## **EigenLight Corp**

30 Centre Rd, Somersworth, NH 03878, 603-692-9200, sales@eigenlight.com, www.eigenlight.com

Specializes in low-loss fiber-optic power monitoring equipment and components that provide in-line measurement of the optical power for a wide-range of fiber-optic applications, including long-haul, metro, FTTX and data center optical performance monitoring as well as power monitoring within optical networking subsystems and fiber lasers.

## **eInfochips**

11 A/B Chandra Colony, Off CG Rd, Ellisbridge, Ahmedabad, Gujarat 380001, India, 91-79-26563705, marketing@einfochips.com, www.einfochips.com

Provides global product engineering solutions with a Fortune 500 aerospace and defense clientele. Offers end-to-end product life cycle services with proven capabilities across ASIC/FPGA, board and mechanical design, firmware and software. Is engaged with five of the world's top ten commercial aerospace organizations.

## **ELANIX Inc**

30699 Russell Ranch Rd, Suite 170, Westlake Village, CA 91362-7328, 818-597-1414, elanix@elanix.com, www.elanix.com

Offers SystemView, the windows-based design tool for system-level modeling of mixed signal communications, distortion true RF/analog and bit-true DSP systems. Provides industry and government with software and services to realize innovative design architectures keeping pace with today's time-to-market requirements. Provides worldwide university support.

## **Elan Technical Corp**

141 Kings Hwy E, Fairfield, CT 06825, 203-335-2115, elantechical@sbcglobal.net, www.elantechical.com

## **ELDEC**

(div of Crane Aerospace & Electronics), 16700 13th Ave W, Lynnwood, WA 98037, 425-743-1313, electronics@crane-eg.com, www.craneae.com

Designs and manufactures electronic and electro-mechanical products for critical aerospace and defense applications. The high-density, high-reliability products include power supplies, power management systems, battery chargers and transformer rectifier units. When failure is not an option, partner with a trusted market leader in critical applications.

## **Electri-Flex Co**

Flexible Conduit Div, PO Box 72260, 222 W Central Ave, Roselle, IL 60172, 630-529-2920, mktg@electriflex.com, www.electriflex.com

Offers nearly 40 varieties of liquid-tight, flexible electrical conduit ranging from UL-listed and CSA-certified products to specialized ones designed for extreme temperatures, halogen-free, low smoke, EMI/RFI shielding and custom color configurations. Shield-Flex (EMI/RFI shielding) conduit is ideal for the military, defense, government, aerospace, telecommunications and industrial markets.

**Electro-Mech Components Inc**

1826 Floradale Ave, S El Monte, CA 91733-3689,  
626-442-7180, info@electromechcomp.com,  
[www.electromechcomp.com](http://www.electromechcomp.com)

Designs and manufactures push-button illuminated switches, indicator lights, and multiswitch interlocking assemblies for aircraft, avionics, gaming, medical, communications, transportation, or any OEM front-panel application. Specializes in custom switch requirements and designs.

**Electronic Concepts & Engineering Inc**

1465 Timberwolf Dr, Holland, OH 43528,  
419-861-9000, sales@eceinc.com,  
[www.eceinc.com](http://www.eceinc.com)

Develops ruggedized, high-reliability electronic solutions, hardware/software for aerospace, ground, and marine applications in the defense and commercial markets. Services include electronic circuit design, real-time software development, product qualification testing/validation, control system analysis, PC board design, package/enclosure design, graphical user interface, tool development, manufacturing, and more. Is ISO 9001/AS9100 certified.

**Elma Electronic Inc**

44350 S Grimmer Blvd, Fremont, CA 94538,  
510-656-3400, sales@elma.com, [www.elma.com](http://www.elma.com)  
Provides rugged chassis, ATRs and boards for integrated high-performance embedded computing solutions to companies in the avionics and defense markets. Provides standard and rugged VME, VPX and SFF processor boards, storage, NAS, networking, I/O boards and software support enable a standard or custom solutions. Is ISO 9001 and AS9100 certified.

**Embassy Global LLC**

PO Box 105, Orchard Park, NY 14127,  
800-309-6150, inquiries@embassyglobalpr.com,  
[www.embassyglobalpr.com](http://www.embassyglobalpr.com)

Specializes in a unique form of integrated technical marketing, PR and business development with 100% dedication to worldwide advancement of design, testing and evaluation technologies. Using its field-proven experience, the company promotes to one of the industry's largest promotional networks, as well as via its own network of global OEMs.

**EMTEQ**

5349 S Emmer Dr, New Berlin, WI 53151,  
262-679-6170, sales@emteq.com,  
[www.emteq.com](http://www.emteq.com)

Provides A-kits including RF, trays/pallets, wiring, Ethernet, databus, and antenna doublers. Also offers LRUs, exterior LED lighting including 400 cd anticollision, interior LED lighting including NVIS green, red, white, wash, dome, and reading, engineering design, testing, reporting, consulting services, technical and installation support and certification.

**Enea**

1711 W Greentree Dr, Suite 108, Tempe, AZ 85284,  
480-753-9200, info@enea.com, [www.enea.com](http://www.enea.com)  
Provides operating systems embedded in so many base stations and mobile phones that five billion calls a day depend on the company's technology. Offers customized services as part of the operating systems solutions.

**EngineerSupply**

21430 Timberlake Rd, Unit 349, Lynchburg, VA  
24502, 800-591-8907,  
[customerservice@engineersupply.com](mailto:customerservice@engineersupply.com),  
[www.engineersupply.com](http://www.engineersupply.com)

Provides engineering tools and supplies, blueprint storage, surveying equipment, drafting supplies, school supplies, construction calculators, office furniture, engineering office supplies, and measuring tools.

**EO Strategies**

12 Prospect St, Holliston, MA 01746,  
774-217-1122, [rickm@eo-strategies.com](mailto:rickm@eo-strategies.com),  
[www.eo-strategies.com](http://www.eo-strategies.com)

Offers consultation to help realize visions through strategic assessment and action, provide a focus on successful execution, and build a valued image of companies.

**Epiq Solutions**

165 Commerce Dr, Suite 204, Schaumburg, IL  
60173, 847-598-0218, [info@epiqsolutions.com](mailto:info@epiqsolutions.com),  
[www.epiqsolutions.com](http://www.epiqsolutions.com)

Designs and builds state-of-the-art, low-power, reconfigurable radio systems for mission-critical applications. With expertise spanning RF system design to physical layer signal processing and higher layer protocol processing, the company provides engineering development services for customers requiring specialized signal processing hardware and software.

**Ericsson**

6300 Legacy Dr, Plano, TX 75024, 972-583-0000,  
[media.relations@ericsson.com](mailto:media.relations@ericsson.com), [www.ericsson.com](http://www.ericsson.com)  
Provides telecommunications equipment and services to mobile and fixed network operators. Is a strong player in core networks, microwave transport, Internet Protocol (IP) networks and fixed-access solutions for copper and fiber.

**Essex Industries**

7700 Gravois Rd, St Louis, MO 63123,  
314-832-4500, [info@essexind.com](mailto:info@essexind.com),  
[www.essexindustries.com](http://www.essexindustries.com)

Manufactures custom-engineered platform controls for commercial airlines, military fixed-wing and rotary aircraft as well as military ground vehicles. Also produces thousands of MIL-SPEC, ANSI and NAS aircraft components. In addition, manufactures life support and ground support equipment that covers pilot, crew and medical oxygen requirements.

**Esterline CMC Electronics**

600 Dr Frederik Philips Blvd, Ville St-Laurent, QC  
H4M 2S9, Canada, 514-748-3148,  
[rex.hygate@cmcelectronics.ca](mailto:rex.hygate@cmcelectronics.ca),  
[www.cmcelectronics.ca](http://www.cmcelectronics.ca)

Provides cockpit avionics upgrades and systems integration including flight management systems, mission computing, display and control systems, navigation sensors, human factors engineering, GPS sensors for ground/airborne use, satellite communications antennas, enhanced vision systems, electronic flight bags, portable mission displays, hybrid microcircuits, display components and panels, and optoelectronic components.

**Esterline Power Systems**

(div of Esterline Technologies), 6900 Orangethorpe Ave, PO Box 5032, Buena Park, CA 90622-5032,  
714-736-7598, [info@leachintl.com](mailto:info@leachintl.com),  
[www.esterline.com](http://www.esterline.com)

Offers products including LEACH MIL-qualified subminiature relays, DC/AC contactors (ELCUs, RCCBs, GFI, high-voltage 270V DC), time-delay/sensing relays, next generation solid-state power controllers, keyboards and illuminated switches, and electrical power distribution assemblies/equipment for commercial and military aerospace applications. Provides lower cost, lighter weight power switching and control solutions.

**EURESYS Inc**

(div of EURESYS SA), 27126-B Paseo Espada, Suite 704, San Juan Capistrano, CA 92675,  
949-743-0612, [sales.americas@euresys.com](mailto:sales.americas@euresys.com),  
[www.euresys.com](http://www.euresys.com)

Offers a complete range of innovative and high-performance image acquisition subsystems for high-end video surveillance and industrial machine vision applications, as well as robust and powerful image analysis tools for industrial machine vision applications.

**EURESYS SA**

Ave du Pre Aily, 14, Angleur B-4031, Belgium,  
32-4-367-72-88, [sales.europe@euresys.com](mailto:sales.europe@euresys.com),  
[www.euresys.com](http://www.euresys.com)

Offers a complete range of innovative and high-performance image acquisition sub-systems for high-end video-surveillance and industrial machine vision applications, as well as robust and powerful image analysis tools for industrial machine-vision applications.

**■ Evans Capacitor Co**

72 Boyd Ave, East Providence, RI 02914,  
401-435-3555, [chasd@evanscap.com](mailto:chasd@evanscap.com),  
[www.evanscap.com](http://www.evanscap.com)

Manufactures high-energy density capacitors for demanding defense and aerospace applications. Typical applications are high current pulse (such as phased array radar, laser, lidar) and hold up, in power supplies where quality, reliability, size, and weight, are the factors of component selection. Is ISO 9001, AS9001 and ITAR registered.

**(See ad page BG18)**

**Excelitas Technologies**

1330 E Cypress St, Covina, CA 91724,  
626-967-9521, [aes.na@excelitas.com](mailto:aes.na@excelitas.com),  
[www.excelitas.com/pages/product/](http://www.excelitas.com/pages/product/)  
high-reliability-power-supplies.aspx

Designs and manufactures high-performance, high-reliability mission-critical power supplies used in today's defense and aerospace applications. Offers full custom design and qualification capabilities. Is AS9100C, ISO:14001 and OHSAS:18001 certified and a 6 Sigma and Lean practitioner.

# VENDOR DIRECTORY

## Excel Wireless

12 Tarnside Ct, Blythewood, SC 29016,  
803-788-9788, sales@excel-wireless.com,  
[www.excel-wireless.com](http://www.excel-wireless.com)

Distributes cell phone boosters, WiFi access points, cable assemblies, RF connectors and wireless antennas.

## Exelis C4i

12930 Worldgate Dr, 4th Fl, Herndon, VA 20170,  
877-266-6712, contact@c4i.com, [www.c4i.com](http://www.c4i.com)  
Provides defense organizations with the ability to communicate securely or publicly, streamline standard operating procedures, combine legacy and modern technologies, automate alarm monitoring and crisis response, and inter-service communication, all crucial functions in the defense industry.

## ■ Extreme Engineering Solutions Inc (X-ES)

3225 Deming Way, Suite 120, Middleton, WI 53562, 608-833-1155, [sales@xes-inc.com](mailto:sales@xes-inc.com), [www.xes-inc.com](http://www.xes-inc.com)

Designs and builds single-board computers, I/O boards, power supplies, backplanes, chassis, and system-level solutions for embedded computing customers. Offers cutting-edge performance and flexibility in design, plus an unparalleled level of customer support and service.

(See ad page BG5)



## ■ Falcon Electronics

47 Mall Dr, Suite 5, Commack, NY 11725,  
631-351-8515, [bflynn@falconelec.com](mailto:bflynn@falconelec.com), [www.falconelec.com](http://www.falconelec.com)

Distributes military, hi-rel and space-grade semiconductors including ARINC 429/1553 databus products, power supplies, data acquisition circuits, solid-state data storage and full MIL-SMD static RAMs. Supplies companies including API Technologies, Datel, DPACI, FMJ, Holt, ISC8, Microsemi, PDI, Semtech, SMART Modular Technologies, TT electronics, Vishay, Western Digital and Xtreme Semiconductor.

(See ad page BG10)

## Falcon Electronics

1505 W University Dr, Suite 105, Tempe, AZ 85281,  
480-829-1100, [ian@falconelec.com](mailto:ian@falconelec.com), [www.falconelec.com](http://www.falconelec.com)

Distributes military, hi-rel and space-grade semiconductors including ARINC 429/1553 databus products, power supplies, data acquisition circuits, solid-state data storage and full MIL-SMD static RAMs. Supplies companies including API Technologies, Datel, DPACI, FMJ, Holt, ISC8, Microsemi, PDI, Semtech, SMART Modular Technologies, TT electronics, Vishay, Western Digital and Xtreme Semiconductor.

## Fancort Industries Inc

31 Fairfield Pl, West Caldwell, NJ 07006,  
973-575-0610, [info@fancort.com](mailto:info@fancort.com), [www.fancort.com](http://www.fancort.com)

Designs and manufactures lead trim/form equipment and services for surface-mount or through-hole applications for a wide variety of optical components. Footprint layout services available.

## Faria Performance

PO Box 983, Uncasville, CT 06382, 860-848-9271, [bill.d@faria-instruments.com](mailto:bill.d@faria-instruments.com), [www.faria-instruments.com](http://www.faria-instruments.com)

Is a custom gauge manufacturer that designs and builds gauges for the commercial, military, and marine industries. Currently the gauges are used in military vehicles, marine industry, fire and rescue vehicles, construction equipment, ATVs, and more. Every military HMMWV (Humvee) built today is equipped with the instrumentation package.

## Fastener Specialty Inc

2435 109th St, Grand Prairie, TX 75050-1113,  
972-988-0064, [sales@fastenerspecialty.com](mailto:sales@fastenerspecialty.com), [www.fastenerspecialty.com](http://www.fastenerspecialty.com)

Manufactures high-quality nut ring mounting brackets for all military and commercial cylindrical connectors and other aerospace/industrial mounting needs.

## Faster Technology LLC

1812 Ave D, Suite 202, Katy, TX 77493,  
281-391-5482, [info@fastertechnology.com](mailto:info@fastertechnology.com), [www.fastertechnology.com](http://www.fastertechnology.com)

Develops high-performance Xilinx FPGA solutions that maximize processing throughput while minimizing latency. Is a Xilinx Alliance Program Partner, an Impulse Platform Partner, and member of both the Xilinx SignOnce IP License and SignOnce Services Agreement Programs.

## Federal Electronics Inc

75 Stamp Farm Rd, Cranston, RI 02921,  
401-944-6200, [sales@federalelec.com](mailto:sales@federalelec.com), [www.federalelec.com](http://www.federalelec.com)

Provides electronic manufacturing services focusing on military/high-end commercial applications. Services include advanced technology PCBAs, copper cable and wire harness assemblies, electro-optic interconnect assemblies, higher/frame level assemblies, and system integration. Additional administrative/engineering capabilities include functional test development/deployment, DFMA analysis, and supply chain management solutions.

## FEI-Zyfer Inc

(sub of Frequency Electronics Inc), 7321 Lincoln Way, Garden Grove, CA 92841-1428,  
714-933-4000, [sales@fei-zyfer.com](mailto:sales@fei-zyfer.com), [www.fei-zyfer.com](http://www.fei-zyfer.com)

Develops and manufactures commercial-off-the-shelf (COTS) and custom designs to meet requirements for precise time and frequency references. Engineering expertise in both oscillator and system design ensures that customers are provided with the most reliable and accurate systems available. SAASM military and C/A systems available with Rubidium or OCXO.

## Ferrotec USA Corp

33 Constitution Dr, Bedford, NH 03110,  
603-472-6800, [corporateinfo@ferrotec.com](mailto:corporateinfo@ferrotec.com), [www.ferrotec.com](http://www.ferrotec.com)

Provides hermetic rotary seals that protect sensitive electronics and optics in pods and moving equipment from external contamination in many challenging environments, including airborne, marine, and ground-based installations. The novel Ferrofluidic seal provides a secure environmental barrier, and maintains low, predictable frictional drag over wide thermal and environmental ranges.

## Fibercore Ltd

University Pkwy, Southampton, Hampshire SO16 7QQ, UK, 44-23-8076-9893,  
[info@fibercore.com](mailto:info@fibercore.com), [www.fibercore.com](http://www.fibercore.com)

## Fiberguide Industries Inc

(div of Halma Plc), 1 Bay St, Stirling, NJ 07980,  
908-647-6601, [info@fiberguide.com](mailto:info@fiberguide.com), [www.fiberguide.com](http://www.fiberguide.com)

Offers multimode, singlemode and graded-index fibers from UV-IR and temperatures -269°C to +700°C. Designs/engineers assemblies with widest range of end fittings and outer jackets. Offers 2-D arrays, V-Groove arrays designed for optical switch and arrayed active devices and reflection/backscattering probes for measuring specular or diffuse reflection. Is ISO 9001:2008 certified.

## Fibernet Spain

Fiber Optics and Photonics Div, Torres Quevedo 7 PTM, Tres Cantos, Madrid 28760, Spain,  
34-91-807-65-20, [www.fibernet.es](http://www.fibernet.es), [www.fibernet.es](http://www.fibernet.es)

Offers fiber optics and photonic designs and sensing systems.

## Fibersense & Signals Inc

146 Peeler Rd, Concord, ON L4K 2C9, Canada,  
866-453-9292, [sales@fibersensefirst.com](mailto:sales@fibersensefirst.com), [www.fibersensefirst.com](http://www.fibersensefirst.com)

Develops and manufactures fiber-optic, optoelectronic, photonic and laser-related products. Designs and fabricates devices, systems and instrumentation for aerospace command and control applications, sensing, experimental medical, surgical and diagnostic procedures, telecommunications, environmental monitoring, imaging, target recognition, laser ignition, high-power fiber-optic networks and fiber-optic illumination.

## FileCatalyst

1725 St Laurent Blvd, Ottawa, ON K1G 3V4, Canada,  
613-667-2349, [atkinson@filecatalyst.com](mailto:atkinson@filecatalyst.com), [www.filecatalyst.com](http://www.filecatalyst.com)

Provides file transfer solutions that accelerate, manage and optimize large file transfers securely across global networks. Organizations use FileCatalyst to solve issues related to content distribution, file sharing and off-site backups. Founded in 2000, the company has more than a thousand clients, including the US Army.

**Fischer Connectors Inc**

1735 Founders Pkwy, Suite 100, Alpharetta, GA 30004-7606, 770-352-0606, mail@fischerconnectors.com, www.fischerconnectors.com  
Designs, manufactures and distributes high-performance connectors and cable assembly solutions. Known for reliability and precision, the products are commonly used by military forces worldwide. Primary design and manufacturing facilities are located in Switzerland, with subsidiaries and distributors located worldwide.

**FLIR Systems Inc**

27700A SW Parkway Ave, Wilsonville, OR 97070, 503-498-3457, david.strong@flir.com, www.flir.com/gs  
Designs, manufactures, and markets thermal imaging and stabilized camera systems for a variety of thermography and imaging applications including condition monitoring, research and development, manufacturing process control, airborne observation and broadcast, search and rescue, drug interdiction, surveillance and reconnaissance, navigation safety, border and maritime patrol, environmental monitoring, and ground-based security.

**Forefronts Defense Systems**

(sub of Forefronts Technologies Group), PO Box 427, Dufur, OR 97021-0427, 541-467-2511, operations@forefronts.com, www.forefronts.com  
Provides consulting services for heterogeneous HPCC system integration, COTS, custom engineering to government and industry. Offers custom system design and development in support of critical mission applications, proof of concept, precursor and prototype development targeted at technology transfer and licensing of production systems.

**Forza Silicon**

2947 Bradley St, Suite 130, Pasadena, CA 91107, 626-796-1182, info@forzasilicon.com, www.forzasilicon.com

**Frako Capacitors**

(sub of Frako Kondensatoren GmbH), W62 N248 Washington Ave, Suite 208, Cedarburg, WI 53012, 262-618-2403, info@alliedindustrialmarketing.com, www.alliedindustrialmarketing.com

**Fralock**

(div of Lockwood Industries), 28525 W Industry Dr, Valencia, CA 91355, 714-357-5603, jimc@fralock.com, www.fralock.com  
Fabricates and distributes EMI shielding, polyimide flex cables and interconnects thermal interface materials, electrical insulating materials, tapes and adhesives, cirlex, kapton and teflon. All materials can be custom cut to specifications. Is ISO 9001:2000 and AS9100 registered, approved QPL supplier MIL-DTL-83528 and ITAR compliant.

**Freescale Semiconductor**

6501 Wm Cannon Dr W, Austin, TX 78735, 512-895-6178, www.freescale.com  
Provides embedded processing solutions for the automotive, consumer, industrial and networking markets. From microprocessors and microcontrollers to sensors, analog ICs and connectivity, the technologies are the foundation to the innovations that make the world greener, safer, healthier and more connected.

**FreeSpace Networks**

The Old Grammar School, Phonenix Bank, Market Drayton, Shropshire TF9 1JR, UK, 44-1630-655-933, info@freespacenetworks.co.uk, www.freespacenetworks.co.uk  
Designs and manufactures a range of high-performance industrial point-to-point outdoor wireless bridging solutions. The range of wireless products deliver an unparalleled level of performance and enable secure and cost-effective deployment of Wi-Fi, across short and long range distances.

**Fullriver Battery USA**

1211 Flynn Rd, Unit 102, Camarillo, CA 93012, 800-522-8191, sales@fullriverdcbattery.com, www.fullriverdcbattery.com

Specializes in manufacturing only sealed, maintenance-free AGM batteries.

**Futura Automation Pvt Ltd**

Plot S4, Off 3rd Cross, 1st Stage, Peenya Industrial Area, Bangalore, Karnataka 560058, India, 91-80-28375290, info@futuraautomation.com, www.futuraautomation.com

Specializes in conceptualization, design and manufacture of custom-designed rugged computers and displays for military and industrial applications. Designs and manufactures form-fit products for obsolete hardware like old generation CRT displays. Established in 1992.

**GaGe**

900 N State St, Lockport, IL 60441, 514-633-7447, prodinfo@gage-applied.com, www.gage-applied.com

**Gaia Converter**

4038 le Corbusier Blvd, Laval, QC H7L 5R2, Canada, 514-333-3169, salesus@gai-a-converter.com, www.gai-a-converter.com

Manufactures over 3500 power modules to help power supplies comply with MIL-STD-461, 1275, 704, DO-160 or equivalent standards. Offers DC converters from 4-200W, AC/DC PFC converters from 35-350W, EMI filters and input transient protections for modular power architectures.

**Gamma Scientific Light Measurement Solutions**

9925 Carroll Canyon Rd, San Diego, CA 92131, 858-279-8034, contact@gamma-sci.com, www.gamma-sci.com

Helps leading manufacturers, universities and government institutions achieve precision light measurements. Military solutions include NVIS radiometers, NVIS sector radiometers for ANVIS testing of cockpit displays, integrating spheres, photometers and radiometers. Exceeds MIL-L-85762A and MIL-STD-3009 requirements. Is an ISO/IEC 17025 accredited calibration laboratory.

**GammaTech Computer Corp**

48303 Fremont Blvd, Fremont, CA 94538, 800-995-8946, marketing@gammatechusa.com, www.gammatechusa.com

Offers cost-effective, high-performance mobile computing solutions. Its award-winning line of rugged notebooks and tablets are designed to increase mobile productivity.

**Garwood Laboratories Inc**

7829 Industry Ave, Pico Rivera, CA 90660, 562-949-2727, sales@garwoodlabs.com, www.garwoodlabs.com

Provides certification testing for commercial and military aerospace components for domestic and international standards for aerospace, military and telecommunications markets since 1954. Specializes in FAA, RTCA and FCC certification, lightning strike simulation per Boeing and Airbus, RTCA/DO, MIL-STD and EUROCAELED testing and offer climatics, shock and vibration and EMC/EMI/RF testing services.

**GDCA Inc**

1799 Portola Ave, Livermore, CA 94551, 925-456-9900, sales@gdca.com, www.gdca.com

Manufactures legacy embedded computer products with a variety of architectures, such as VME, STD, and CompactPCI. Has licensed end-of-life products from OEMs such as Motorola, Curtiss-Wright, RadisSys, Performance Technologies, Force Computers, Prolog, Dy4, Ziatech, and others. Acquires legacy products, manages obsolescence, and continues to manufacture or support them indefinitely.

**Gear Keeper/Hammerhead Industries Inc**

1501 Goodyear Ave, Ventura, CA 93003, 805-658-9922, info@gearkeeper.com, www.gearkeeper.com

**GE Intelligent Platforms**

(div of General Electric), 7401 Snaproll NE, Albuquerque, NM 87109, 505-875-0600, www.ge.ip.com

Provides embedded computing solutions. Products include single-board computers, networking products, avionics interfaces, rugged flat-panel monitors, and complete computer systems.

# VENDOR DIRECTORY

## GE Intelligent Platforms

(div of General Electric), 12090 S Memorial Pkwy, Huntsville, AL 35803, 434-978-5100, ge-ip.info@ge.com, www.defense.ge-ip.com Provides embedded computing systems and modules for a wide range of applications in the military, defense and homeland security. Offers a line of products including data acquisition, SBCs, network switches and fully integrated rugged mission systems.

## General Atomics Aeronautical Systems Inc

14200 Kirkham Way, Poway, CA 92064, 858-312-2810, pr-asi@g-a-asi.com, www.g-a-asi.com

Manufactures remotely piloted aircraft (RPA), tactical reconnaissance radars, and electro-optic surveillance systems, including the Predator/Gray Eagle RPA series and the Lynx multimode radar. Provides long-endurance, mission-capable aircraft with the integrated sensor/data link systems required for persistent situational awareness/rapid strike.

## General Digital Software Services

8 Nutmeg Rd S, South Windsor, CT 06074, 860-282-2900 x159, jconsolini@generaldigital.com, www.gdsoftwareservices.com

Provides IV&V in safety critical software specializing in avionics testing to DO-178B including requirements-based testing, coding, code review, tool qualification, and unit testing. The company has 25 years experience performing software testing on many military and commercial projects including Boeing, Airbus, Apache, for jets, helicopters, UAVs and more.

## General Dynamics C4 Systems

8201 E McDowell Rd, Scottsdale, AZ 85257, 480-441-3033, info@gdc4s.com, www.gdc4s.com Provides affordable access to computing platforms built especially for the tactical environment. Provides secure C4I solutions that integrate custom-developed and COTS products for the military and commercial markets. Offers automated approaches to mission planning, battlespace management, targeting/fire support, mapping, charting and geodesy, and simulation.

## General Dynamics Itronix Corp

12825 E Mirbeau Pkwy, Spokane, WA 99216, 509-624-6600, www.gd-itronix.com Offers reliable, rugged mobile computing solutions.

## General Micro Systems Inc

8358 Maple Pl, Rancho Cucamonga, CA 91730, 909-980-4863, www.gms4sbc.com Provides a diverse line of single-board computers. Is an established VME and cPCI supplier, shipping SBCs on VME platforms since the VMEbus inception in 1981.

## Generic Logic Inc

6 University Dr 206-125, Amherst, MA 01002, 413-253-7491, sales@genlogic.com, www.genlogic.com Offers the GLG toolkit, a RAD tool for developing dynamic data-driven graphical displays and real-time HMI screens with GIS mapping capabilities and cross-platform deployment for C/C++, Java and web.

## Getac

43 Tesla, Irvine, CA 92618, 949-681-2900, getacsales\_us@getac.com, www.us.getac.com Manufactures rugged notebook computers offering industry-leading features and performance. Products are backed by a 5-year bumper-to-bumper warranty.

## GET Engineering Corp

9350 Bond Ave, El Cajon, CA 92021, 619-443-8295, jhalsted@getntds.com, www.getntds.com Designs and manufactures MIL-STD-1397 NTDS and LINK 11 support products for TADIL-A, TADIL-B, and other tactical data links. This includes industry standard form factor interface adapters for NTDS and ATDS, cables, and interconnect devices. Offers new NTDS to fiber-optic converters. Custom engineering available for all tactical data links.

## Global Training Solutions Inc

3163 Winston Churchill Blvd, PO Box 26067, Mississauga, ON L5J 5W7, Canada, 416-806-5777, info@globaltrainingsolutions.ca, www.globaltrainingsolutions.ca Provides E-learning, CBT and classroom training programs. Topics include NERC compliance, electrical circuits, health, safety and environment, T&D, electrical, control circuits, industrial controls, troubleshooting simulations, gas turbines, industrial skills, information security, substations, and PLC circuits.

## Go4Fiber Ltd

3/F Tung Lee Bldg, 9 Lai Yip St, Kwun Tong, Hong Kong, 852-2174-1338, sales\_group@g4fiber.com, www.go4fiber.com Specializes in design, manufacturing and logistics with teams located in Hong Kong and China. Has the absolute advantage of offering a variety of quality fiber-optic and networking products at very attractive prices.

## Gooch & Housego Plc

Dowlish Ford, Ilminster, Somerset TA19 0PF, UK, 44-1460-256-440, sales@goochandhousego.com, www.goochandhousego.com Has expertise across a broad range of optical technologies including acousto-optics, electro-optics, fiber optics, and precision optics. From manufacturing sites in the UK and US, the company provides optical system design, engineering, manufacturing of components and systems for harsh environments including terrestrial, marine, space and aerospace.

## GPS Source Inc

64 Mission Dr, Pueblo West, CO 81007, 719-561-9520, sales@gpssource.com, www.gpssource.com Offers a full line of GPS distribution products. Specializes in Assured PNT, Distributed PNT, military qualified GPS electronic components, other services and solutions that improve the ability to bring GPS inside denied spaces. GPSS is an AS9100 certified company and 100% veteran owned.

## Green Hills Software Inc

30 W Sola St, Santa Barbara, CA 93101, 805-965-6044, info@ghs.com, www.ghs.com Provides embedded development solutions that solve the most rigorous embedded development problems. The technically vetted engineers and award-winning product line, including the multiply certified INTEGRITY RTOS, award-winning compilers and debuggers, development tools and communications software, combine to create a unique package for the embedded industry.

## Greenlee, a Textron Co

4455 Boeing Dr, Rockford, IL 61109, 815-397-7070, www.greenlee.com Helps customers take technology from the benign, protected, and controlled environments of office buildings and labs to the extremely hostile environments exposed at high altitudes, below the sea, and in space.

## Greenliant Systems

3970 Freedom Cir, Suite 1000, Santa Clara, CA 95054, 408-200-8000, sales@greenliant.com, www.greenliant.com Develops energy-efficient, highly reliable and secure storage solutions for the embedded systems and enterprise datacenter markets by leveraging more than 20 years of solid-state storage design expertise. Offers long-term support and industrial grade storage products to meet military customers' requirements.

## GridPlex Networks

7000 Terminal Sq, Upper Darby, PA 19082, 610-734-1245, chairman.gridplex@gmail.com, www.gridplexnetworks.com Offers adaptive automation solutions, fully-integrated adaptive energy management and automation systems that combine and optimize electricity generation and usage with on-site microgrids, local demand control, advanced lighting systems and grid-based power.

## Growth Technical Marketing

6501 Hercus Ct, San Jose, CA 95119, 408-780-4769, tim@growthtechnicalmarketing.com, www.growthtechnicalmarketing.com Provides business and marketing strategy and new product introduction support. With a broad variety and depth of experience in the electronics industries, the company can complement and accelerate existing marketing efforts to meet critical time-to-market objectives. Based in Silicon Valley.

## GSS Avionics Ltd

Woodthorpe House, Stempbridge, Martock, Somerset TA12 6BW, UK, 44-845-299-7960, frank@gssavionics.com, www.gssavionics.com Develops cutting-edge software applications, products, and tools to analyze, investigate and test avionic data bus systems.

**GUISYS Corp**

40W320 LaFox Rd, Campton Hills, IL 60175,  
630-762-8540, stever@guisys.com,  
[www.guisys.com](http://www.guisys.com)

Is dedicated to providing the ultimate intuitive graphical user interface systems and solutions to facilitate access, use and efficiency of electronic systems.

**HALT and HASS Labs**

(sub of Ops A La Carte), 990 Richard Ave, Suite 101, Santa Clara, CA 95050, 408-654-0499,

[mikes@opsalacarte.com](mailto:mikes@opsalacarte.com), [www.haltandhasslabs.com](http://www.haltandhasslabs.com)

Offers professional consultation focused on reliability engineering services, reliability management, and reliability education to assist customers in developing and executing any and all elements of reliability throughout their organization and their product's life cycle.

**Handling Specialty Manufacturing Ltd**

Rail and Material Handling Div, (sub of Whiting Equipment Canada), 219 S Service Rd W, Grimsby, ON L3M 1Y6, Canada, 905-945-9661, [mhaurilak@handling.com](mailto:mhaurilak@handling.com), [www.handling.com](http://www.handling.com)

Engineers and manufactures custom heavy-duty material handling equipment, as well as whiting rail equipment.

**H&L Instruments LLC**

34 Post Rd, PO Box 580, North Hampton, NH 03862-0580, 603-964-1818, [rlandman@hlinstruments.com](mailto:rlandman@hlinstruments.com), [www.hlinstruments.com](http://www.hlinstruments.com)

Manufactures the 900C Edge Profile Comparator for inspecting aircraft turbine engine fan blades. The Model 900C aids technicians in shaping blades to achieve normal engine performance. Other products include fiber-optic transceivers, modems and programmable logic controller communications for supervisory control and data acquisition (SCADA) systems.

**Harbour Industries LLC**

(a Marmon Wire & Cable/Berkshire Hathaway Co), 4744 Shelburne Rd, Shelburne, VT 05482, 802-985-3311, [sales@harbourind.com](mailto:sales@harbourind.com), [www.harbourind.com](http://www.harbourind.com)

Manufactures high-temperature and high-performance cable for the military, commercial, and industrial markets.

**HDL Research Lab Inc**

406 W Blue Bell Rd, PO Box 2108, Brenham, TX 77834-2108, 979-836-2300, [sales@hdlpower.com](mailto:sales@hdlpower.com), [www.hdlpower.com](http://www.hdlpower.com)

Designs and manufactures COTS and custom power supplies, converters, inverters and power distribution units for military use including hi-temp, rad-hard, low/high-voltage, and tin-lead high-rel soldering up to 25 KW. Offers environmental test lab, XRF, X-ray and AOI. Teaming ensures system integration, lower costs, shorter schedules and less risk. AS9100 certified.

**Headwall Photonics Inc**

Hyperspectral Sensor & Raman Imaging Div, 601 River St, Fitchburg, MA 01420, 978-353-4100, [marketing@headwallphotonics.com](mailto:marketing@headwallphotonics.com), [www.headwallphotonics.com](http://www.headwallphotonics.com)

Designs and manufactures spectral imaging sensors, including hyperspectral and Raman. The sensors are designed for imaging in harsh environments including aircraft, UAVs, unmanned robotic vehicles, ground-based, and satellite instruments. Designed for high-performance, wide field-of-view, and image spectral/spatial resolution. Spectral regions from UV, VNIR, SWIR, MWIR to LWIR available.

**Henniker Plasma**

Unit B3, Trident Business Pk, Daten Ave, Warrington, Cheshire WA3 6AX, UK, 44-1925-830-771, [info@plasmatreatment.co.uk](mailto:info@plasmatreatment.co.uk), [www.plasmatreatment.co.uk](http://www.plasmatreatment.co.uk)

Offers plasma treatment equipment including plasma cleaners, plasma etchers, plasma coating and plasma surface modification. Supplies plasma treatment equipment and processes, from low-cost benchtop plasma cleaners and plasma etchers for R&D applications, to industrial scale plant machines for high throughput processes.

**HEPA Corp**

3071 E Coronado St, Anaheim, CA 92806, 714-630-5700, [info@hepa.com](mailto:info@hepa.com), [www.hepa.com](http://www.hepa.com)

Provides advanced design HEPA and ULPA filters in all standard styles, plus roomside replaceable modules, energy-savers, high-temperature, low-AMC, fan filter units, and the exclusive Q3-4000 gridless cleanroom ceiling system.

**HGH Infrared Systems**

1 Broadway, 14th Fl, Cambridge, MA 02142, 617-401-2196, [hgh@hgh.fr](mailto:hgh@hgh.fr), [www.hgh.fr](http://www.hgh.fr)

Offers a 360 degree, real-time, panoramic IR thermal imaging camera, the IR Revolution 360. Features include exceptional image quality, automatic detection and tracking, and variable FOVs. Manufactures advanced IR detector products for test and measurement, R&D, industrial tasks, and military operations.

**High Energy Devices LLC**

26 Hollenberg Ct, Bridgeton, MO 63044, 314-291-0030, [info@highenergydevices.com](mailto:info@highenergydevices.com), [www.highenergydevices.com](http://www.highenergydevices.com)

Designs and manufactures multi-electrode spark gaps that protect components, transfer stored energy, provide nano-second switching, serve as pulse generators, control ignition systems, and a host of other applications. Choose from 400V to 60 kV gaps. Offers a high level of flexibility for responding to short-term and scheduled delivery requirements.

**Highway Products Inc**

7905 Agate Rd, White City, OR 97503, 800-866-5269, [kc@800toolbox.com](mailto:kc@800toolbox.com), [www.800toolbox.com](http://www.800toolbox.com)

Manufactures custom metal toolboxes, service bodies, flatbeds and customized cargo management units for trucks.

**Hilux LED Co Ltd**

2F Bldg, Big Guangming Industry Pk, Shiyan Town, Bao'an Dist, Shenzhen, Guangdong 518108, China, 86-755-29368805, [xilied@hotmail.com](mailto:xilied@hotmail.com), [www.xilied.com](http://www.xilied.com)

Specializes in researching, producing, selling and servicing LED advertising modules, LED flexible strips, LED rigid bars and more.

**HIOKI EE Corp**

81 Koizumi, Ueda, Nagano 386-1192, Japan, 81-268-28-0562, [os-com@hioki.co.jp](mailto:os-com@hioki.co.jp), [www.hioki.com](http://www.hioki.com)

Provides advanced test and measuring instruments through superior design, manufacturing, sales and services. Offers over 200 products characterized by leading edge technology, safety and quality for applications in R&D, maintenance and quality control, and manufacturing.

**Hi-Tech Controls**

7374 S Eagle St, Centennial, CO 80112-4240, 303-680-5159, [info@hitechcontrols.com](mailto:info@hitechcontrols.com), [www.hitechcontrols.com](http://www.hitechcontrols.com)

Carries cable and wires (domestic/international) including tray-rated NFPA 79, hook-up wires, control, data, intrinsically safe, servo/VFD, rubber/all-weather, harmonized, oil-resistant, industrial enclosures and solid/transparent covers. Offers hinged/non-hinged, UV/impact resistant, indoor/outdoor/explosive applications materials such as PC, polystyrene, ABS, polyester, aluminum, and stainless steel. Cable accessories include cable glands, circular connectors and more.

**HITEC Sensor Solutions Inc**

537 Great Rd, Littleton, MA 01460, 978-742-9032, [sales@hitecorp.com](mailto:sales@hitecorp.com), [www.hitecorp.com](http://www.hitecorp.com)

Offers strain gage installation service including custom strain gage based force, load, torque and pressure transducer design and manufacture.

**Hitex Development Tools GmbH**

Greschbachstr 12, Karlsruhe D-76229, Germany, 49-721-9628-0, [sales@hitex.de](mailto:sales@hitex.de), [www.hitex.com](http://www.hitex.com)

Offers sophisticated solutions to support embedded engineers with special focus and wealth of experience in safety-critical applications. Provides any service to support safety projects including consulting, software tools, precertified components, and starter kits. Offers the unit test tool Tessy and code analysis tools for ensuring software quality.



## Holt Integrated Circuits

23351 Madero, Mission Viejo, CA 92691-2730,  
949-859-8800, [info@holtic.com](mailto:info@holtic.com),  
[www.holtic.com](http://www.holtic.com)

Supplies ICs for avionics and military data bus applications. Offers a wide range of ARINC 429 products, MIL-STD-1553 BC/MT/RT protocol ICs, transceivers and transformers. Other IC offerings include ARINC 825 (CAN), ARINC 717, RS-485/422, analog switches and discrete-to-digital sensing. Products are specified by more than 400 avionics manufacturers worldwide.

## Honeywell Aerospace

(div of Honeywell Inc), 1944 E Sky Harbor Cir, PO Box 2102-103, Phoenix, AZ 85034, 800-601-3099, [customerservice@honeywell.com](mailto:customerservice@honeywell.com), [www.honeywell.com](http://www.honeywell.com)

Provides integrated avionics, engines, systems and service solutions for aircraft manufacturers, airlines, business and general aviation, military, space and airport operations. Delivers commercial and defense and space products, systems and services across the aerospace industry.

## Honeywell Microelectronics & Precision Sensors

(div of Honeywell Inc), 12001 State Hwy 55, Plymouth, MN 55441, 763-954-2301, [customerservice@honeywell.com](mailto:customerservice@honeywell.com), [www.honeywellmps.com](http://www.honeywellmps.com)

Designs, manufactures, tests, and supplies packaging of semiconductor integrated circuits (ICs) and sensors for military, aerospace and a wide variety of commercial industries. The trusted wafer foundry supports design through manufacturing, testing and packaging of precision sensors and radiation hardened ASICs.

## Honeywell Solid State Electronic Center

(div of Honeywell Inc), 12001 State Hwy 55, Plymouth, MN 55441, 800-323-8295, [customerservice@honeywell.com](mailto:customerservice@honeywell.com), [www.honeywell.com](http://www.honeywell.com)

Provides a full range of aerospace products and services for military and commercial programs. Combines 40 years experience with innovative technology to help customers pioneer new frontiers, reduce risks, and effectively serve crucial government programs.

## HoodTech Vision

(div of Hood Technology), 3100 W Cascade Ave, Hood River, CA 97031, 425-445-8884, [chris@hoodtech.com](mailto:chris@hoodtech.com), [www.hoodtech.com](http://www.hoodtech.com)

Designs and manufactures advanced stabilized imaging platforms for small unmanned and manned aircraft, ground systems, and marine systems. Payloads deliver the most intelligence, surveillance, reconnaissance (ISR) performance and highest ISR value per unit dollar, unit mass, unit power, and unit volume.

## Horizon Display

(div of Horizon Technology), 1 Rancho Cir, Lake Forest, CA 92630, 949-595-8248, [display@horizontechnology.com](mailto:display@horizontechnology.com), [www.horizondisplay.com](http://www.horizondisplay.com)

Specializes in the acquisition of COTS plasma and LCD displays. Supports prototyping through full scale production. Also integrates touch screen technology into COTS displays, as well as protective substrates, privacy filters, and sunlight readability.

## HUBER+SUHNER AG

Degersheimerstr 14, Herisau, Appenzell Ausserrhoden 9100, Switzerland, 41-71-353-4111, [info@hubersuhner.com](mailto:info@hubersuhner.com), [www.hubersuhner.com](http://www.hubersuhner.com)

Uses many years of experience and technological expertise to offer solutions for cables, connectors, antennas, and connection-ready cable systems that comply with international standards. Whether in the air, on land or at sea, quality in modern defense technology solutions permits no compromise.

## Hunter Technology Corp

1940 Milmont Dr, Milpitas, CA 95035-2578, 408-957-1300, [info@hunter-technology.com](mailto:info@hunter-technology.com), [www.hunterpcb.com](http://www.hunterpcb.com)

Provides a full range of electronic manufacturing services (EMS) including printed circuit board design and layout, PCB HDI fabrication, PCB assembly, contract manufacturing, and test and systems integration.

## IBI Systems Inc

6842 NW 20th Ave, Ft Lauderdale, FL 33309, 954-978-9225, [ibisys@aol.com](mailto:ibisys@aol.com), [www.ibi-systems.com](http://www.ibi-systems.com)

Offers rugged computer systems for rack-mount or portable applications, specializing in custom configurations.

## IEC & Associates

2474-108 Walnut St, Cary, NC 27518, 919-413-1290, [mark.keith.pe@ieca-inc.com](mailto:mark.keith.pe@ieca-inc.com), [www.ieca-inc.com](http://www.ieca-inc.com)

Provides electrical and electronic forensic and investigative engineering services, patent infringement analysis, reverse engineering, product teardowns, design engineering, failure analysis, and expert witness services.

## IEH Corp

140 58th St, Suite 8E, Brooklyn, NY 11220, 718-492-4448, [ieh@iehcorp.com](mailto:ieh@iehcorp.com), [www.iehcorp.com](http://www.iehcorp.com)

Manufactures PCB, cable and custom connectors, using Hyperboloid contact technology, an advanced contact design especially suited for harsh environments. These low-insertion force connectors exhibit extraordinary immunity to shock and vibration (over 300 g), duty cycles exceeding 100,000 matings, improved current-carrying capability and very low contact resistance.

## Impact Technical Services Ltd

3 Kingsley St, Leicester LE2 6DY, UK, 44-116-244-8855, [enquiries@impactts.co.uk](mailto:enquiries@impactts.co.uk), [www.impacttechnicalservices.co.uk](http://www.impacttechnicalservices.co.uk)

Offers COSHH LEV all types of service including examination and testing, design, service and maintenance, fan balancing including vibration analysis and condition monitoring, complete extraction systems, maintenance and spare parts.

## Impulse Accelerated Technologies

800 Bellevue Way, Suite 400, Bellevue, WA 98004, 425-605-9543, [info@impulseaccelerated.com](mailto:info@impulseaccelerated.com), [www.impulseaccelerated.com](http://www.impulseaccelerated.com)

Helps design teams accelerate C algorithms on Xilinx and Altera FPGAs, reducing system bottlenecks and facilitating rapid iteration. These methods are typically used for custom DSP or wire-speed packet inspection. Provides assistance on a wide range of tools and design types.

## Industrial PC Inc

8531 Bash St, Indianapolis, IN 46250, 888-255-5508, [www.industrialpc.com](http://www.industrialpc.com)  
Supplies rack-mount, embedded, panel and single-board computers.

## Industrial Training Consultants Inc

2969 Hwy 11, Pelham, AL 35124, 205-663-4960, [contact@itctrng.com](mailto:contact@itctrng.com), [www.itctrng.com](http://www.itctrng.com)

Develops customized, site- or equipment-specific training programs for operations, maintenance, and safety. Generic programs available include maintenance, preventive maintenance, safety and industry specific. Offers various media. Has over 25 years experience.

## Infinite Graphics

4611 E Lake St, Minneapolis, MN 55406, 612-721-6283, [services@igi.com](mailto:services@igi.com), [www.igi.com](http://www.igi.com)

## Infinite Optics Inc

1712 Newport Cir, Suite F, Santa Ana, CA 92075-5118, 714-557-2299, [stan@infiniteoptics.com](mailto:stan@infiniteoptics.com), [www.infiniteoptics.com](http://www.infiniteoptics.com)  
Designs and deposits thin-film optical coatings utilizing EB-Gun and IAD. Coatings range from 190 nm to 20 microns including AR, NIR, FLIR, SWIR, visible and UV filters, cold and hot mirrors, beamsplitters and mirror metallization. Polishes flats up to 10 in. and coat substrates up to 32 in.

**InfoSight Corp**

20700 US Hwy 23, PO Box 5000, Chillicothe, OH 45601, 740-642-3600, sales@infosight.com, www.infosight.com

Offers barcode tracking of mission-critical parts and assemblies. Manufactures industrial marking machines, metal tags, printers and barcode reading equipment for manual and automatic identification.

**INICORE Inc**

5600 Mowry School Rd, Suite 180, Newark, CA 94560, 510-445-1529, www.inicore.com

Emphasizes the design and reusability of IP-based system-on-silicon solutions. Expertise in architecture, IP, methodology and tool handling provide an environment that helps shorten the design cycle and speeds time to market. Offers feasibility studies, concept analysis, architecture definition, code generation and implementation and IP core development.

**Innovasic Inc**

5635 Jefferson St NE, Suite A, Albuquerque, NM 87109, 505-883-5263, sales@innovasic.com, www.innovasic.com

Produces integrated circuits for customers with long product life cycles including industrial, transportation, instrumentation, and medical applications. Supplies extended-life processors, peripherals, ASICs and mixed-signal devices for embedded communication and control.

**Innovative Integration**

2390 Ward Ave, Simi Valley, CA 93065, 805-578-4260, nhenderson@innovative-dsp.com, www.innovative-dsp.com

Specializes in signal processing and data acquisition hardware that combine DSPs and FPGAs with performance analog. Product family includes PCI Express, PMC, XMC, FMC modules, multi-channel transceiver/receiver systems, data loggers, and embedded PC and wireless IP cores. Manufactured in the US by the parent company, Interconnect Systems Inc.

**IntalTech Ltd**

HaMazmera, 3, Ness-Ziona 74047, Israel, 972-8-940-0002, office@intaltech.com, www.intaltech.com

Develops, manufactures and markets the TBDocK ToughBook docking station solutions, MILCOMM communication products and MILCONN connectivity solutions for the military, industrial and medical business markets. Furthermore, the company is a design center providing development, engineering, qualification and manufacturing services for mechanical and electronic hardware projects.

**Integra Technologies**

3450 N Rock Rd, Bldg 100, Wichita, KS 67226, 800-622-2382, joe.holt@integra-tech.com, www.integra-tech.com

Provides engineering expertise in house to support all technologies including RF, digital, linear, mixed signal and memory. Specializes in software development, hardware design and development, electrical test, qualification testing, ESD and latch-up testing. The electrical test expertise encompasses both final test and probe, including bumped wafer probe.

**Interconnect Devices Inc**

(sub of Smiths Interconnect), 5101 Richland Ave, Kansas City, KS 66106, 913-342-5544, info@idinet.com, www.idinet.com

Designs and manufactures spring contact probes and OEM connectors for the military industry. The company's innovative spring probe technology offers advantages in reliability, performance, resistance, and efficiency. When integrated with its custom interconnects, the technology provides unlimited options and optimal performance for the most critical environments.

**Interconnect Systems Inc**

759 Flynn Rd, Camarillo, CA 93012-8056, 805-482-2870, info@isipkg.com, www.isipkg.com

Provides design and manufacturing of 3-D and multi-chip modules, IC obsolescence and footprint adapters, miniaturized FPGA computing systems, FPGA processor boards, near-sensor image-processing solutions, and connectors.

**Interface**

7401 E Butcherus Dr, Scottsdale, AZ 85260, 480-948-5555, www.interfaceforce.com

Offers load cells for static and fatigue testing. Aerospace companies such as Boeing, Airbus, Lockheed, Northrop, Bombardier, Embraer, Gulfstream, and Cessna have depended on the company for years.

**Interface Displays & Controls Inc**

4630 North Ave, Oceanside, CA 92056, 760-945-0230, info@interfacedisplays.com, www.interfacedisplays.com

Specializes in designing, reverse-engineering and manufacturing cockpit controls, rugged computing and display devices and external aviation lighting for military and commercial applications. All products are available with NVIS compatibility and are applicable for aviation, marine and transportation industries. Is a certified ISO 9001/AS9100, veteran-owned small business.

**Interface Inc**

7401 E Butcherus Dr, Scottsdale, AZ 85255, 480-948-5555, aero@interfaceforce.com, www.interfaceforce.com

Manufactures LowProfile load cells. Guarantees the highest performance and most accurate load cells available—from grams to millions of pounds, in hundreds of configurations. The company supplies to Boeing, Airbus, NASA, Ford, GM, NIST and thousands of measurement labs.

**International Rectifier**

HiRel Div, 205 Crawford St, Leominster, MA 01453, 978-534-5776, hirel\_sales@irf.com, www.irf.com

Designs, develops, and manufactures high-reliability power conversion solutions for space, military, commercial aircraft, heavy-duty industrial, and medical markets. Offers radiation hardened, high-temperature, and standard hybrid DC/DC converters with built-in EMI filtering. All are available with complete analysis reports for thermal, reliability, FMEA, electrical stress, radiation susceptibility, and worst case.

**International Rectifier San Jose**

HiRel Div, 2520 Junction Ave, San Jose, CA 95134, 408-434-5000, hirel\_sales@irf.com, www.irf.com

Designs, develops, and manufactures high-reliability power conversion solutions for space, military, commercial aircraft, heavy-duty industrial, and medical markets. Offers radiation hardened, high-temperature, and standard hybrid DC/DC converters with built-in EMI filtering. All are available with complete analyses reports for thermal, reliability, FMEA, electrical stress, radiation susceptibility, and worst case.

**Interpoint**

(div of Crane Aerospace & Electronics) (sub of Crane Co), 10301 Willows Road NE, Redmond, WA 98052, 425-882-3100, power@crane-eg.com, www.craneae.com/interpoint

Supplies high-density, high-reliability Interpoint microelectronics, DC/DC converters and EMI filters to the aerospace and defense markets that are designed for some of the toughest environments including ground based, airborne and space flight when failure is not an option. Offers partnership with a trusted market leader in critical applications.

**Intersil Corp**

1650 Robert J Conlon Blvd NE, Palm Bay, FL 32905, 321-724-7000, www.intersil.com

Specializes, designs and manufactures high-performance analog semiconductors. Products include amplifiers, analog front ends, communication interfaces, data converters, digital potentiometers, display solutions, DSL solutions, optical storage products, power management products, power sequencers, real-time clocks, smart batteries, switches/MUXs, VoIP products and ICs for military, space, and rad-hard applications.

**InterTest Inc**

303 State Rt 94, Columbia, NJ 07832, 908-496-8008, bginfo@intertest.com, www.intertest.com

# VENDOR DIRECTORY

## Intronics Power Inc

1400 Providence Hwy, Norwood, MA 02062,  
781-551-5511, lmarro@intronicspower.com,  
[www.intronicspower.com](http://www.intronicspower.com)

Offers standard and custom high reliability DC/DC power converters, AC/DC power supplies, analog functional modules, CRT correctional devices and legacy analog devices. Power ratings from 1–500W available. Designed and manufactured to custom specifications and/or military requirements in the US. Is ISO 9001:2000 certified.

## IRCameras LLC

30 S Calle Cesar Chavez, Suite D, Santa Barbara, CA 93103, 877-472-2637, [sales@ircameras.com](mailto:sales@ircameras.com),  
[www.ircameras.com](http://www.ircameras.com)

Provides technologically advanced infrared imaging systems for scientific, industrial and military applications. In addition to standard commercial cameras and IDCCAs, offers custom design and build services to meet unique optical, packaging and space-constrained requirements.

## Iridian Spectral Technologies

2700 Swansea Crescent, Ottawa, ON K1G 6R8, Canada, 613-741-4513, [inquiries@iridian.ca](mailto:inquiries@iridian.ca),  
[www.iridian.ca](http://www.iridian.ca)

Provides optical thin-film filters and coating services for use in spectroscopic analysis, environmental monitoring and visible and IR sensing and imaging. Can custom manufacture single filters from 300 nm–14 µm in wavelength to meet requirements and scale this to high volume as needed.

## IRT Integrated Rectifier Technologies Inc

15360-116th Ave, Edmonton, AB T5M 3Z6, Canada, 780-447-1114, [sales@irtrectifier.com](mailto:sales@irtrectifier.com),  
[www.irtrectifier.com](http://www.irtrectifier.com)

Designs, manufactures and supplies rectifiers/control panels for cathodic protection of metal structures.

## Iscan Inc

21 Cabot Rd, Woburn, MA 01801, 781-932-1199, [info@iscaninc.com](mailto:info@iscaninc.com), [www.iscaninc.com](http://www.iscaninc.com)

Manufactures automatic video tracking systems for weapons pointing, test-range tracking, and advanced seekers. Also offers eye-movement monitoring systems for advanced man-machine interfaces, including cockpit fire control.

## ISP Optics Corp

50 S Buckhout St, Irvington, NY 10533, 914-591-3070, [sales@ispoptics.com](mailto:sales@ispoptics.com), [www.ispoptics.com](http://www.ispoptics.com)

Designs and manufactures high-precision, infrared, custom and catalog optics including aspheric and diffractive elements, multi-element systems, custom and standard infrared coatings, and infrared opto-mechanical and IR zoom lens assemblies from prototype to production quantities utilizing conventional and diamond turning methodologies.

## iXFiber

Rue Paul Sabatier, Lannion 22300, France, 33-2-96-04-10-50, [info@ixfiber.com](mailto:info@ixfiber.com), [www.ixfiber.com](http://www.ixfiber.com)

Offers specialty optical fiber, components (based on Fiber Bragg Grating (FBG) technology) and systems for telecommunications, defense, sensor and industrial markets. Main products are PM fiber for fiber optical gyroscope, double clad fiber for fiber laser and FBG for fiber laser mirror and fiber sensor applications (space and terrestrial grade).

## Jayco MMI Inc

1351 Pico St, Corona, CA 92881, 951-738-2000, [danstead@jaycopanels.com](mailto:danstead@jaycopanels.com), [www.jaycopanels.com](http://www.jaycopanels.com)

Designs, develops, and manufactures custom switch products for man-machine interface. Feature options can include backlighting, tactile feel, sealing, shielding, chemical protect and more. Is an ITAR registered company. Supplies custom switch panels and controls to all industries.

## Jazz Semiconductor Inc

4321 Jamboree Rd, Newport Beach, CA 92660, 949-435-8000, [info\\_a&d@towerjazz.com](mailto:info_a&d@towerjazz.com), [www.jazzsemi.com](http://www.jazzsemi.com)

Provides multi-project wafer (MPW) services to include CIS in addition to high-speed SiGe and SOI RF CMOS. These offerings will be available for onshore or ITAR-controlled prototype and manufacturing services of advanced semiconductors for the US Department of Defense (DoD) and the broader aerospace and defense community.

## JENOPTIK I Defense & Civil Systems

Sensors Systems Div, Pruessingstr 41, Jena, Thuringia 07745, Germany, 49-3641-65-3041, [sensorsystems.dcs@jenoptik.com](mailto:sensorsystems.dcs@jenoptik.com), [www.jenoptik.com/dcs](http://www.jenoptik.com/dcs)

Develops and manufactures compact, powerful and reliable infrared and laser sensor solutions for defense and security applications. Products include long-range laser rangefinders and high-resolution thermal imagers for reconnaissance and surveillance, electro-optic day/night target acquisition systems, real-time thermographic cameras and modules for system integration.

## Jewell Instruments

850 Perimeter Rd, Manchester, NH 03103, 800-227-5955, [sales@jewellinstruments.com](mailto:sales@jewellinstruments.com), [www.jewellinstruments.com](http://www.jewellinstruments.com)

Manufactures and distributes panel meters, avionics components, inertial sensors, and precision solenoids. As a world leader, the company provides custom solutions for a diverse group of industries, including aerospace, medical, industrial, telecommunications, and many more.

## JJ Digital Technologies Pty Ltd

45 Gilby Rd, Unit 132, Mt Waverley, VIC 3149, Australia, 61-3-9701-0976, [sales@jjdigital.com.au](mailto:sales@jjdigital.com.au), [www.jjdigital.com.au](http://www.jjdigital.com.au)

## J-TEC Associates Inc

5005 Blairs Forest Ln NE, Suite L, Cedar Rapids, IA 52402-8832, 319-393-5200, [j-tec@j-tecassociates.com](mailto:j-tec@j-tecassociates.com), [www.j-tecassociates.com](http://www.j-tecassociates.com)

Sells proprietary flow measurement products, one of which is the Crosswind Sensor that is part of the fire control system for the large weapon system on the M1A2 tank, the Stryker MGS, and other military vehicles.

## JTime Inc

228 Windsor River Rd, Suite 225, Windsor, CA 95492, 707-837-9570, [sales@jtime.us](mailto:sales@jtime.us), [www.jtime.us](http://www.jtime.us)

Distributes Meinberg precise time and frequency products, GPS and IRIG synchronized PCI slot cards, network time servers, and complete time and frequency systems that include IEEE 1588 PTP V2 products from Meinberg and Oregano.

## KAMAKA Electronic Bauelemente Vertriebs GmbH

Ulmer Str 130, Aalen, Baden Württemberg 73431, Germany, 49-7361-96620, [karasch@kamaka.de](mailto:karasch@kamaka.de), [www.kamaka.de](http://www.kamaka.de)

Specializes in the sectors of hi-rel products, aerospace semiconductors, military solutions, high-temperature applications and defense power supplies. Is a solution provider for obsolescence management strategy. Offers an anti-counterfeiting program.

## Kamatics Corp

1330 Blue Hills Ave, Bloomfield, CT 06002, 860-769-3277, [john.bertolini@kaman.com](mailto:john.bertolini@kaman.com), [www.kamatics.com](http://www.kamatics.com)

Produces and markets widely used proprietary aircraft bearings and components. Offers complex metallic and composite aerostructures for fixed and rotary wing aircraft and safing and arming solutions for missile and bomb systems. Subcontracts helicopter work and supports the company's helicopters.

## Kappa optronics GmbH

Kleines Feld 6, Gleichen, Niedersachsen D-37130, Germany, 49-5508-974-0, [info@kappa.de](mailto:info@kappa.de), [www.kappa.de](http://www.kappa.de)

Develops and manufactures application-specific camera solutions from 20–20,000 units. With rugged camera design for harsh environments, the target markets include civil and military aviation.

## KASO Plastics

5720-C NE 121st Ave, Suite 110, Vancouver, WA 98682, 360-254-3980, [sales@kaso.com](mailto:sales@kaso.com), [www.kaso.com](http://www.kaso.com)

Offers full service thermoplastic injection molding, operating in the Portland/Vancouver metro area. Provides a broad cross section of injection molding services for the medical, military, and consumer industries. Specializes in fine tolerance injection molding service for all detailed plastic parts and components.

**Kearfott Corp**

(sub of Astronautics Corp of America), 1150 McBride Ave, Little Falls, NJ 07424, 973-785-6000, [www.kearfott.com](http://www.kearfott.com)

Designs and manufactures inertial guidance, navigation and precision motion control components and systems used in ground vehicle and artillery applications, manned and unmanned aircraft platforms, maritime vessels and space and missile systems.

**Keltec**

(div of Crane Aerospace & Electronics) (sub of Crane Co), 84 Hill Ave W, Ft Walton Beach, FL 32548-3858, 850-244-0043, [power@crane-eg.com](mailto:power@crane-eg.com), [www.craneae.com/power](http://www.craneae.com/power)

Offers custom high-voltage and low-voltage power supplies, DC/DC converters, TWT amplifiers, Klystron amplifiers and transmitters to the aerospace and defense markets that are designed for tough environments including ground-based, airborne and space critical applications. Offers a partnership with a trusted market leader in critical applications.

**Kensington Electronics Inc**

11801 Stonehollow Dr, Suite 150, Austin, TX 78758, 512-339-3300, [aerospacedefensesales@keiconn.com](mailto:aerospacedefensesales@keiconn.com), [www.keiconn.com](http://www.keiconn.com)

Distributes rugged, waterproof, shock and vibration proof, connectors for high reliability applications in the mil-aero markets. Can also build overmolded, custom cable assemblies in a facility which is ISO 13485, ISO 9001/AS9100 certified and UL/CSA safety-approved and includes a Class 1000, Class 10000 clean work area. Is women-owned.

**Kentucky Trailer Technologies**

1240 N Pontiac Trail, Walled Lake, MI 48309, 248-960-9700, [www.kytrailer.com](http://www.kytrailer.com)

Manufactures a variety of custom specialty vehicles with special focus on enclosed vehicle transporters for the automotive and motorcycle/leisure transport markets, standard and/or expandable trailers, trucks and containers for mobile marketing, mobile broadcasting/production, mobile command, mobile medical, mobile training centers and other mobile platforms for commercial and government customers.

**Keopsys SA**

2 Rue Paul Sabatier, Lannion 22300, France, 33-2-96-05-08-00, [websales@keopsys.com](mailto:websales@keopsys.com), [www.keopsys.com](http://www.keopsys.com)

Manufactures fiber amplifiers and laser products for a large variety of applications such as telecommunications, remote and in-situ sensing, scientific/research, and industrial and military.

**Keo Scientific Ltd**

1300 8th St SW, Suite 404, Calgary, AB T2R 1B2, Canada, 403-383-7192, [trondsen@keoscientific.com](mailto:trondsen@keoscientific.com), [www.keoscientific.com](http://www.keoscientific.com)

Designs and builds highly sensitive scientific instrumentation capable of wavelength-resolved imaging of subvisual emissions (airglow, aurora) from the upper atmosphere, as well as periscope (articulated mirror) assemblies and calibrated low brightness sources (LBS).

**Kepco Inc**

131-38 Sanford Ave, Flushing, NY 11355, 718-461-7000, [hq@kepcopower.com](mailto:hq@kepcopower.com), [www.kepcopower.com](http://www.kepcopower.com)

Manufactures programmable instrumentation, modular and hot-swappable DC power supplies from 3.3–2000V, 10W–3 kW. LXI approved Ethernet, GPIB, RS-232, and analog programming are supported. Modular DC electronic loads from 1–5 kW are offered with maximum 800 Amp capability.

**Kimball Electronics Group**

(sub of Kimball International), 1600 Royal St, Jasper, IN 47549, 812-817-2433, [patrick.prondzinski@kimball.com](mailto:patrick.prondzinski@kimball.com), [www.kegroup.com](http://www.kegroup.com)

Offers complete product life cycle support for electronic manufacturing assemblies in the medical, industrial, automotive, and public safety market segments. The electronics design and electronic manufacturing services (EMS) core focus is vital in the creation of durable products that require high reliability.

**Kimmon Koha USA Inc**

(sub of Kimmon Koha Co Ltd), 7002 S Revere Pkwy, Suite 85, Centennial, CO 80112, 303-754-0401, [p.townsend@kimmon.com](mailto:p.townsend@kimmon.com), [www.kimmon.com](http://www.kimmon.com)

Sells and services 325 and 442 nm helium cadmium laser systems in North America and Mexico along with a line of solid-state lasers operating at 375, 405, 445 and 488 nm.

**Kingfisher International Pty Ltd**

30 Rocco Dr, Scoresby, VIC 3179, Australia, 61-3-9757-4100, [sales@kingfisher.com.au](mailto:sales@kingfisher.com.au), [www.kingfisherfiber.com](http://www.kingfisherfiber.com)

Manufactures fiber-optic test equipment. Products include optical power meters, laser LED light sources, optical loss test sets with ORL meters, optical talk sets, variable optical attenuators, clip-on identifiers, cold clamp-precision optical cable markers, visible fault finders, and flexible real-time measurement software. Offers durable equipment that features low cost of ownership.

**Klocwork**

15 New England Executive Pk, Burlington, MA 01803, 866-556-2967, [info@klocwork.com](mailto:info@klocwork.com), [www.klocwork.com](http://www.klocwork.com)

Helps developers create more secure and reliable software. The tools analyze source code on-the-fly, simplify peer code reviews and extend the life of complex software. Over 1000 customers in the mobile device, consumer electronics, medical technologies, telecom, automotive, military and aerospace sectors rely on the development tools.

**Kontron**

14118 Stowe Dr, Poway, CA 92064, 858-677-0877, [info@us.kontron.com](mailto:info@us.kontron.com), [www.kontron.com](http://www.kontron.com)

Designs and manufactures standard-based and custom embedded solutions for OEMs, systems integrators, and application providers. Product portfolio includes boards and mezzanines, computer-on-module, HMIS and displays, systems, and custom capabilities. Is a member of the Intel embedded and communications alliance.

(See ad page BG7)

**Kowa Optimed Inc**

20001 S Vermont Ave, Torrance, CA 90502, 310-327-1913, [kowa-usa-info@kowa.com](mailto:kowa-usa-info@kowa.com), [www.kowa-usa.com](http://www.kowa-usa.com)

Manufactures top quality CCTV and machine-vision lenses with over 50 years of technical experience. New products include a 10 megapixel lens series, a megapixel varifocal IR-corrected lens series, a P-iris lens series, and a megapixel long range zoom lens series.

**Krell Technologies Inc**

1126 Campus Dr W, Morganville, NJ 07751, 732-617-7091, [sales@krelltech.com](mailto:sales@krelltech.com), [www.krelltech.com](http://www.krelltech.com)

Manufactures automated and integrated connector polishing/inspection systems for high-volume production, portable polishing and inspection kits for shipboard and aircraft field service, in-line video-inspection equipment, and interferometers. Also offers optical cleaning supplies and lensing systems for processing bare fiber.

**K-Sun Corp**

370 SMC Dr, PO Box 309, Somerset, WI 54025, 715-247-4440, [info@ksun.com](mailto:info@ksun.com), [www.ksun.com](http://www.ksun.com)

Provides labeling, marking, signage, industrial identification systems and electronic labeling machines, software, and supplies used in industries across the world. Offers the new green machine, an eco-friendly/technologically advanced labeling system.

**Kugler of America Ltd**

48 South Rd, Unit 1, Somers, CT 06071, 860-749-6400, [info@kuglerofamerica.com](mailto:info@kuglerofamerica.com), [www.kuglerofamerica.com](http://www.kuglerofamerica.com)

Manufactures high-quality metal mirrors from flat, aspheric, cylindric up to free form, including application specific optical coatings. Ranges from UV to FIR, imaging, up to high multi-KW power.

**Kurz Instruments Inc**

2411 Garden Rd, Monterey, CA 93940, 831-646-5911, [sales@kurzinstruments.com](mailto:sales@kurzinstruments.com), [www.kurzinstruments.com](http://www.kurzinstruments.com)

Manufactures thermal mass flow meters for industrial gases, combustion air, biogas, flue gases and many other applications.

## KVH Industries Inc

50 Enterprise Center, Middletown, RI 02842, 401-847-3327, info@kvh.com, www.kvh.com Offers fiber-optic gyro-based products including stand-alone sensor and integrated inertial navigation systems to support defense and commercial applications including optical/antenna/turret stabilization, precision navigation, pointing, and guidance solutions. Products utilize patented digital signal processing and fiber-optic gyro technologies. Is ISO 9001 certified.

## L-3 Communications - Applied Optics Center

9827 Chartwell Dr, Dallas, TX 75243, 885-276-1110, info.aoc@l-3com.com, www.l-3com.com/aoc

Provides advanced optical solutions and assemblies for commercial/defense markets worldwide. Products include thin-film coatings, optical assemblies, laser-protection filters, precision-optical assemblies, optical components, large-format optical thin-film coatings, thin-film patterning and rapid component and subassembly prototyping for imaging, machine-vision, display, industrial, defense and aerospace.

## L-3 Communications Interstate Electronics Corp

(div of L-3 Communications), 602 E Vermont St, Anaheim, CA 92803, 714-758-0500, greg.martz@l-3com.com, www.iechome.com

Offers GPS technologies and produces ruggedized displays for military and industrial applications.

## L-3 Electron Devices

960 Industrial Rd, San Carlos, CA 94070, 650-591-8411, scl.marketing@l-3com.com, www.l-3com.com

Provides sophisticated, high-fidelity training systems and equipment to enhance operational proficiency on a wide variety of platforms, from advanced military and commercial aircraft to land-based vehicles. Works closely with customers to develop tailored training solutions, offering a range of services, including front-end analysis, program design, simulator design and production.

## L-3 Infrared Products

(div of L-3 Communications), 13532 N Central Expwy, MS-37, Dallas, TX 75243, 972-528-1300, www.l-3com.com/irp

Delivers superior, high-performance infrared technology solutions and camera systems for a wide variety of thermal imaging applications. Whether performing critical missions, gathering intelligence or conducting situation analysis, products perform when the stakes are high.

## LADD Distribution

4849 Hempstead Station Dr, Kettering, OH 45429, 800-223-1236, ladd.us@te.com, www.laddinc.com Specializes in the distribution, marketing and technical support of DEUTSCH industrial electrical connectors and accessories.

## LAI International Inc

708 W 22nd St, Tempe, AZ 85282, 480-968-6228, info@laico.com, www.laico.com Is a contract manufacturer of make-complete precision-engineered components and assemblies for aerospace, power generation, defense, medical and other advanced technology industries. The company's technology, engineering and manufacturing solutions are used to build components for airframes, aircraft engines, power generators, defense systems and medical devices.

## Lambda Research Corp

25 Porter Rd, 2nd Fl, Littleton, MA 01460-1434, 978-486-0766, sales@lambdares.com, www.lambdares.com

Provides a full suite of world-class optical software, including TracePro for illumination design, analysis, and optimization software, TracePro Bridge which runs inside SolidWorks to provide 3-D MCAD interoperability, and OSLO for lens design. TracePro models optical and illumination designs to provide innovative solutions and outstanding analysis capabilities.

## Landpower Solar Technology Co Ltd

1-3 Fanghu W 2nd Rd, Huli Dist, Xiamen, Fujian 363000, China, 86-158-05915745, sales@landpowersolar.com, www.landpowersolar.com

## ■ Lansdale Semiconductor Inc

5245 S 39th St, Phoenix, AZ 85040, 602-438-0123, lansdale@lansdale.com, www.lansdale.com

Is a semiconductor aftermarket manufacturer supplying over 3000 military and commercial grade integrated circuits. Technologies include DTL, RTL, TTL, STTL, LSTTL, PROMS, CMOS and analog ICs produced using the original tooling. (See ad page BG3)

## LAS-CAD GmbH

Brunhildenstr 9, Munich 80639, Germany, 49-89-173607, info@las-cad.com, www.las-cad.com

Develops the program LASCAD for simulating lasers design. Thermal and structural finite element analysis, Gaussian ABCD and physical optics code are integrated in LASCAD to analyze thermal lensing, stability, power output, beam quality, multimode and Q-switched operation of solid-state lasers.

## Laser Components GmbH

Werner-von-Siemens-Str 15, Olching D-82140, Germany, 49-8142-2864-0, info@lasercomponents.com, www.lasercomponents.com

Produces components for laser technology and the optoelectronics industry in house. Many products are developed based on customer request. For example, the company manufactures pulsed laser diodes at 905 and 1550 nm and matching avalanche photodiodes for laser range finding applications.

## Laser Technology Inc

1055 W Germantown Pike, Norristown, PA 19403-3912, 610-631-5043, sales@laserndt.com, www.laserndt.com

Manufactures shearography, holography and thermography NDT systems and instruments for nondestructive testing. Provides field testing and NDT engineering services for aerospace.

## Lasertec Inc

3 Guan Qian Rd, Jinan, Fuzhou, Fujian 350014, China, 86-591-88056805, sales@lcoptical.com, www.lcoptical.com

Supplies KTP and optics elements for OPO laser systems.

## LASERVISION GmbH & Co KG

(sub of UVEK Safety Group), Siemensstr 6, Furth 90766, Germany, 49-911-9736-8100, info@laservision.com, www.uvex-laservision.de

## Latchways Plc

Hopton Pk, Devizes, Wiltshire SN10 2JP, UK, 888-250-8357, info@latchways.com, www.latchways.com

Offers WinGrip, which provides safe and flexible fall protection for use in the manufacturing/maintenance of aircraft. It is secured using vacuum anchors and may be fitted to wings, fuselage or HTP. WinGrip is quick to deploy, simple to use and is suitable for work inside the hangar/outside on the apron.

## L-com Global Connectivity

45 Beechwood Dr, North Andover, MA 01845, 978-682-6936, sales@l-com.com, www.l-com.com Manufactures wired and wireless connectivity products, offers a wide range of solutions and unmatched customer service for the electronics and data communications industries. Trusted for over 25 years, headquartered in North Andover, MA. Is ISO 9001:2008 certified.

## The LED Studio

28 Hanger Way, Petersfield, Hampshire GU31 4QE, UK, 44-7738-069-241, sales@theledstudio.co.uk, www.theledstudio.co.uk

Specializes in the supply and control of high-specification LED signs and real-time data acquisition systems that use the most up to date technologies available in the industry.

## LED Waves

4100 1st Ave, 3rd Fl N, Brooklyn, NY 11232, 800-986-0169, www.ledwaves.com

Specializes in high-end retrofit and customized LED lights. Send project specs for a perfect LED lighting solution that is long-lasting, dependable, and energy-saving. Ask LED specialists for a free estimate. Is a service disabled veteran owned small business based in Brooklyn.

**Leidos**

(Engineering Div), 11951 Freedom Dr, Reston, VA 20190, 571-526-6000, [leidosengineering@leidos.com](mailto:leidosengineering@leidos.com), [www.leidos.com/engineering](http://www.leidos.com/engineering)  
Is a scientific, engineering, and technology applications company that uses its deep domain knowledge to solve problems of vital importance to the nation and the world, in energy and the environment, national security, critical infrastructure, and health. Is a Fortune 500 company.

**LEMO USA Inc**

(sub of LEMO SA), 635 Park Ct, PO Box 2408, Rohnert Park, CA 94927-2408, 707-578-8811, [info@lemonusa.com](mailto:info@lemonusa.com), [www.lemo.com](http://www.lemo.com)  
Provides a lightweight, compact aluminum connector. M-series connector is focused on the design that requires a MIL-38999 type of connector but in a smaller lightweight package. The high-performance M series provides a ratchet locking screw coupling system enabling a single grip, quick and secure, coupling for high vibration.

**Lensel Optics Pvt Ltd**

66/2, D2, MIDC, Chinchwad, Pune, Maharashtra 411019, India, 91-202-7474340, [milind@lenseloptics.com](mailto:milind@lenseloptics.com), [www.lenseloptics.com](http://www.lenseloptics.com)  
Provides optical design, precision optical components in glass and plastic. Services include design to tooling and mold development, prototyping and volume manufacturing. Is ISO 9000 certified. Offers Aspheric surfaces, hybrid systems, BBAR coatings VIS-NIR, multi-element assembled lens systems, TIR systems, cylindrical surfaces, anamorphic lenses, catadioptric systems and optics sizes 8–300 mm.

**Lenthor Engineering Inc**

1506 Gladding Ct, Milpitas, CA 95035, 408-957-3487, [davidm@lenthor.com](mailto:davidm@lenthor.com), [www.lenthor.com](http://www.lenthor.com)  
Provides design, fabrication, and in-house assembly of flex and rigid-flex PCBs. Can respond to both time-critical and scheduled delivery requirements. Is MIL-STD 50884 compliant, ISO 9001:2008, and ITAR registered. Offers full electronic imaging with LDI and ink jet screen printing.

**LEONI Fiber Optics Inc**

(sub of LEONI GmbH), 209 Bulifants Blvd, PO Box 615, Williamsburg, VA 23188, 757-258-4805, [contact@leoni-fiber-optics.com](mailto:contact@leoni-fiber-optics.com)  
Manufactures electro-optic devices for spectroscopy, laser delivery and manipulation, sensing, and process control. Products include spot-to-slit arrays, fluorescence, absorption/dip probes, process/instrumentation interfaces, laser-to-fiber couplers, collimators, high-power connectors, vacuum, and harsh environment feedthroughs and probes. Custom assemblies and prototypes are addressed on a daily basis.

**The Light Brigade Inc**

837 Industry Dr, Tukwila, WA 98188, 206-575-0404, [sales@lightbrigade.com](mailto:sales@lightbrigade.com), [www.lightbrigade.com](http://www.lightbrigade.com)  
Offers training courses that cover fiber-optic design, maintenance, and testing for military and aerospace applications, as well as advanced courses such as fiber characterization, harsh environments, and video for security or surveillance. Also offer professional-quality fiber-optic training DVDs. Can also create fiber-optic training materials customized to specifications.

**Liteway Inc**

166 Haverford Rd, Hicksville, NY 11801, 516-931-2800, [sales2@liteway.com](mailto:sales2@liteway.com), [www.luxlink.com](http://www.luxlink.com)  
Specializes in the technology of fiber optics. Using the latest semiconductor and optical technology, the company designs and manufactures communication products that transport video, audio and data signals over fiber-optic cables. Private labeling and custom products are also available.

**Lockheed Martin Santa Barbara Focal Plane**

346 Bollay Dr, Goleta, CA 93117, 805-571-2300, [sbfp@sbfp.com](mailto:sbfp@sbfp.com), [www.sbfp.com](http://www.sbfp.com)  
Designs, custom develops and manufactures multi-spectral infrared focal plan array detectors, camera cores and complete camera imaging systems. The broad spectrum of products cover applications from high-end military and space systems to commercial off-the-shelf components and camera systems.

**Logic PD**

411 Washington Ave N, Suite 400, Minneapolis, MN 55401, 612-672-9495, [contact.us@logicpd.com](mailto:contact.us@logicpd.com), [www.logicpd.com](http://www.logicpd.com)  
Provides product innovation expertise with the ability to discover, design, develop and deliver market-leading products under one roof. Experienced team of creative problem solvers and cutting-edge modular technology products supported by its partner ecosystem enable companies to focus on inventing revolutionary intellectual property.

**LPKF Laser & Electronics**

12555 SW Leveton Dr, Tualatin, OR 97062-6073, 503-454-4200, [info@lpkfusa.com](mailto:info@lpkfusa.com), [www.lpkfusa.com](http://www.lpkfusa.com)  
Manufactures in-house, rapid PCB prototyping equipment, as well as production laser systems for a variety of applications, including RF, microwave, flex, and 3-D MID circuitry.

**LRAD Corp**

16990 Goldentop Rd, Suite A, San Diego, CA 92127, 858-676-1112, [info@lradx.com](mailto:info@lradx.com), [www.lradx.com](http://www.lradx.com)  
Uses powerful directed long range, highly intelligible voice messages and alters over distances of 600 meters to 3.5 km. The voice messages can be clearly heard and understood inside homes, buildings and vehicles. The systems are rugged, man portable, and easy to operate.

**Luciol Instruments SA**

7B Rt Suisse, Mies 1295, Switzerland, 41-22-755-5650, [info@luciol.com](mailto:info@luciol.com), [www.luciol.com](http://www.luciol.com)  
Manufactures high-resolution optical time-domain reflectometers (OTDRs). These instruments characterize and troubleshoot short optical fiber assemblies. They detect faults, breaks and bends in the fiber. OTDRs are fully portable systems, suitable for aerospace and military applications. They are available for most fiber types and wavelengths.

**Lumetrics Inc**

Eagle's Landing Business Pk, 1565 Jefferson Rd, #420, Rochester, NY 14623, 585-214-2455, [sales@lumetrics.com](mailto:sales@lumetrics.com), [www.lumetrics.com](http://www.lumetrics.com)  
Is a nondestructive metrology solutions provider for industries as diverse as aerospace, medical, ophthalmic, glass, film, scientific and others. Incorporates the proprietary OptiGauge thickness measurement system and Shack-Hartmann wavefront analysis systems to solve complex measurement and inspection problems. Designs and builds complete inspection systems.

**Lux Research Inc**

234 Congress St, 5th Fl, Boston, MA 02110, 617-502-5300, [info@luxresearchinc.com](mailto:info@luxresearchinc.com), [www.luxresearchinc.com](http://www.luxresearchinc.com)  
Provides strategic advice and ongoing intelligence for emerging technologies. Leaders in business, finance and government rely on the company to help them make informed strategic decisions. Through the unique research approach focused on primary research and our extensive global network, the company delivers insight, connections and a competitive advantage.

**LynxWorks Inc**

855 Embedded Way, San Jose, CA 95138, 408-979-3900, [inside@lnxw.com](mailto:inside@lnxw.com), [www.lnxworks.com](http://www.lnxworks.com)  
Specializes in secure virtualization and real-time operating systems. The LynxSecure separation kernel and hypervisor form a platform for the development of high-assurance systems and cloud deployments for sensitive data. Has created technology successfully deployed in products by leading communications, avionics, aerospace/defense, and consumer electronics companies.

**Macrolink Inc**

1500 N Kellogg Dr, Anaheim, CA 92807, 714-777-8800, [www.macrolink.com](http://www.macrolink.com)  
Designs and manufactures sophisticated products for the VMEbus and concurrent computer marketplaces. These products include communications, mass storage, memory expansion, specialized I/O, system modules and related subsystems. Rugged/MIL VME chassis, ATR chassis and portable rugged workstations are the latest additions to the product line.

# VENDOR DIRECTORY

## Macro Sensors

(sub of American Sensor Technologies), 7300 US Rt 130 N, Pennsauken, NJ 08110, 856-662-8000, [positionsensors@macrosensors.com](mailto:positionsensors@macrosensors.com), [www.macrosensors.com](http://www.macrosensors.com)

Offers a line of linear and rotary sensors that are used for position measurement and feedback in a variety of aerospace/defense applications including control surface position, engine control feedback and pilot control inputs.

## March Electronics Inc

25 Feldland St, Bohemia, NY 11716, 800-444-6056, [sales@marchelectronics.com](mailto:sales@marchelectronics.com), [www.marchelectronics.com](http://www.marchelectronics.com)

Serves as QPLd value-added distributor for MIL-C-38999, 83513, 55302, and 28748 connectors. Also available are M39012, M39016, M39029, connectors, relays, and contacts. Distributes a complete line of products for Tyco Electronics, G&H Technology, Continental Connector, Winchester, Delta, Microdot, CII, Hartman, Kilovac, Dale Connectors, Nanonics, Ultimate Connectors, General Connectors, Wire-Pro, Preci-Dip, and more.

## Marlow Industries Inc

10451 Vista Pk Rd, Dallas, TX 75238-1645, 214-340-4900, [sales@marlow.com](mailto:sales@marlow.com), [www.marlow.com](http://www.marlow.com)

## Martin Froeschner & Associates

14300 Mines Rd, Livermore, CA 94550, 925-989-4930, [sales@mfaoptics.com](mailto:sales@mfaoptics.com), [www.mfaoptics.com](http://www.mfaoptics.com)

## Marvin Land Systems Inc

261 W Beach Ave, Inglewood, CA 90302, 310-674-5030, [sales@marvinland.com](mailto:sales@marvinland.com), [www.marvingroup.com](http://www.marvingroup.com)

Designs and manufactures mechanical, electrical and electronics assemblies and systems used in combat vehicles and turnkey conversion programs for tracked vehicle upgrades. Also provides technical assistance, training, and logistics in support of these programs.

## Maryn International Ltd

Bay 5, 4216-54th Ave SE, Calgary, AB T2C 2E3, Canada, 403-252-2239, [info@maryngroup.com](mailto:info@maryngroup.com), [www.maryninternational.com](http://www.maryninternational.com)

Provides lubrication products engineered for extreme applications. Provides diesel fuel additives, fuel system cleaners, and high-performance greases to maximize fluid life.

## Master Bond

154 Hobart St, Hackensack, NJ 07601, 201-343-8983, [main@masterbond.com](mailto:main@masterbond.com), [www.masterbond.com](http://www.masterbond.com)

Develops a range of products for use in electronic and electro-optic applications, including a complete line of optical potting and encapsulating compounds some of which are also thermally and electrically conductive. Adhesives are formulated to operate over a wide temperature range and hold up to cryogenic temperatures and shock.

## Materion Advanced Materials Group

(div of Materion), 2978 Main St, Buffalo, NY 14214, 800-327-1355, [advancedmaterials@materion.com](mailto:advancedmaterials@materion.com), [www.materion.com](http://www.materion.com)

Is a global supplier of premier specialty materials and services for industries including aerospace, military, LED, semiconductor, advanced memory and optical coatings. Offerings include precious and non-precious thin-film deposition materials, inorganic chemicals, microelectronic packaging products, precision parts cleaning, and precious and valuable metal reclamation.

## Matrox Imaging

1055 St-Regis Blvd, Dorval, QC H9P 2T4, Canada, 800-804-6243, [imaging.info@matrox.com](mailto:imaging.info@matrox.com), [www.matroximaging.com](http://www.matroximaging.com)

Develops component-level solutions and is recognized for providing OEMs and integrators in the manufacturing, medical diagnostic and security industries with innovative yet cost-effective solutions. Components include cameras, interface boards and processing platforms, all designed to provide optimum price-performance within a common software environment.

## Maxim Integrated Products

160 Rio Robles, San Jose, CA 95134, 408-601-5432, [candice.nepomuceno@maximintegrated.com](mailto:candice.nepomuceno@maximintegrated.com), [www.maximintegrated.com](http://www.maximintegrated.com)

Designs, develops, and manufactures analog, mixed-signal, high-frequency, and digital circuits.

## Max Levy Autograph Inc

Military and Materials Div, (sub of II-VI Inc), 2710 Commerce Way, Philadelphia, PA 19144, 215-842-3675, [sales@maxlevy.com](mailto:sales@maxlevy.com), [www.maxlevy.com](http://www.maxlevy.com)

Specializes in ultra-precision patterned plano and curved components and 3-D structures for the photonic, biomedical, mil-aero, semiconductor, and metrology industries. Applications range on substrates sizes up to 6' x 10' from the X-ray out to infrared.

## MAZeT GmbH

Göschwitzer Str 32, Jena 07745, Germany, 49-3641-2809-0, [sales@mazet.de](mailto:sales@mazet.de), [www.mazet.de](http://www.mazet.de)

Manufactures JEMCOLOR sensors that measure colors based on CIE1931 or spectral analysis. They are long-term stable, compact and cost-efficient. Commonly used in aviation cabin lighting control to maintain accurate CCT or color values over long life cycles, while reducing maintenance costs and eliminating binning effects.

## MC Countermeasures Inc

260 Hearst Way, Suite 600, Kanata, ON K2L 3H1, Canada, 613-592-0818, [info@mc-cm.com](mailto:info@mc-cm.com), [www.mc-cm.com](http://www.mc-cm.com)

Specializes in radar EW test, training and validation equipment. The Integrated Radar EW Test and Training System (IREWTS) is a multi-function software-defined radar EW solution for lab, test range and airborne requirements and available standard in a ruggedized 19 inch rack mount chassis or MIL-SPEC 810-G ATR.

## MCG Surge Protection

12 Burt Dr, Deer Park, NY 11729, 631-586-5125, [info@mcgsurge.com](mailto:info@mcgsurge.com), [www.mcgsurge.com](http://www.mcgsurge.com)

Provides AC power lines, data/signal/telephone lines, and DC and low-voltage current surge protectors. UL 1449, 3rd Ed listed, MIL-SPEC and ISO 9001:2008 certified. Offers a 20-year warranty. Custom orders welcome. Offers OEM applications, industrial, commercial and smart home applications since 1967.

## McObject

33309 1st Way S, Suite A-208, Federal Way, WA 98003, 425-888-8505, [info@mcobject.com](mailto:info@mcobject.com), [www.mcobject.com](http://www.mcobject.com)

Offers proven real-time embedded database management system (DBMS) software, including high availability and clustering capabilities, that makes real-time embedded systems smarter, more reliable and cost-effective to develop and maintain. Customers include industry leaders such as BAE Systems, Northrop Grumman, EADS, SAIC, Lockheed Martin, Aselsan, STM, Sandel Avionics and Boeing.

## Mech-Tronics

100 Campus Dr, Mount Holly, NJ 08060, 609-267-0680, [sales@mech-tronics.net](mailto:sales@mech-tronics.net), [www.mech-tronics.net](http://www.mech-tronics.net)

Manufactures bobbin and toroidal magnetic coil windings to customer print or specs. Serves aerospace, communications, laboratory and test equipment, lighting, nuclear, security and welding industries. Specializes in PC board-mount in medium/high frequency. Manufactures miniature to medium size transformers including E-Core, Ferrite, high-voltage, pot-core and Toroidal.

## MEGA Electronics Inc

4-B Jules Ln, New Brunswick, NJ 08901, 732-249-2656, [sales@megaelectronics.com](mailto:sales@megaelectronics.com), [www.megaelectronics.com](http://www.megaelectronics.com)

Supplies DC/DC converters up to 250W and AC/DC power supplies to 960W. Available with silicon potting to survive rapid temperature swings. Non-isolated switching regulators possible with high efficiencies to eliminate the need for heat sinks.

## Mega-Fabs Motion Systems Ltd

Bldg 13 Industrial Pk, PO Box 540, Yokneam 20692, Israel, 972-4-989-1050, [info@mega-fabs.com](mailto:info@mega-fabs.com), [www.mega-fabs.com](http://www.mega-fabs.com)

Designs, manufactures, and markets software intensive programmable DSP-based motion-control products including DSP motion-control modules, multiaxis motion controllers, motion systems, drives, motion analyzers, and motion-development tools.

## Mentor Graphics

1811 Pike Rd, Longmont, CO 80501, 720-494-1000, [leslie\\_vangrove@mentor.com](mailto:leslie_vangrove@mentor.com), [www.mentor.com](http://www.mentor.com)

Provides electronic design automation and embedded software.

**Mercury Systems**

199 Riverneck Rd, Chelmsford, MA 01824-2820,  
866-411-6729, [ir@mrcy.com](mailto:ir@mrcy.com), [www.mrcy.com](http://www.mrcy.com)  
Designs and builds end-to-end, open-sensor processing subsystems for critical commercial, defense and intelligence applications. Offers a product set that spans the entire ISR sensor processing chain, from acquisition to dissemination, helping customers address the broad range of sensor processing.

**Merrimac**

(div of Crane Aerospace & Electronics) (sub of Crane Co.), 41 Fairfield Pl, West Caldwell, NJ 07006, 973-575-1300, [mw@crane-eg.com](mailto:mw@crane-eg.com), [www.craneae.com/mw](http://www.craneae.com/mw)

Develops state-of-the-art electronic components, subsystems and system solutions for critical defense and space applications. Manufactures a range of RF, microwave and millimeter wave products for military communications networks/systems related to EW, precision guidance, radar and ISR. Offers partnership with a trusted market leader in critical applications.

**MICCAVIONICS GmbH**

Am Lindenbergs 8, Weil der Stadt 71263, Germany, 49-7033-1380-200, [info@miccavionics.com](mailto:info@miccavionics.com), [www.miccavionics.com](http://www.miccavionics.com)

Offers highly innovative, integrated time-critical solutions of an information mission management and command and control system for use in multilevel, airborne networked defense and civil environments. The company offers top-level customer-specific development, software and hardware according to international aviation or military standards.

**MicroE Systems**

(div of GSIG), 125 Middlesex Tpke, Bedford, MA 01730, 781-266-5700, [info@microesys.com](mailto:info@microesys.com), [www.microesys.com](http://www.microesys.com)

Offers COTS optical encoders for applications that require performance, accuracy, small size and energy efficiency for the aerospace and defense industries. The innovative technology and manufacturing techniques help keep cost down without sacrificing performance. The broad product line provides solutions for a wide range of motion control applications.

**Microflexis**

Lupinenweg 1, Hamburg 22549, Germany, 49-15225-7950-28, [sales@microflexis.com](mailto:sales@microflexis.com), [www.microflexis.com](http://www.microflexis.com)

Focuses on the development and manufacture of specifically thin and flexible microfluidic chips, ultra-thin microfluidic cold plates and other microstructured products for innovative applications.

**Microlab (A Wireless Telecom Group Co)**

25 Eastmans Rd, Parsippany, NJ 07054, 973-386-9696, [info@microlab.fxr.com](mailto:info@microlab.fxr.com), [www.microlab.fxr.com](http://www.microlab.fxr.com)  
Provides high-performance/low-PIM passive RF components and integrated solutions for wireless applications, such as distributed antenna systems, macro-site base-stations and secure communications. Power splitters, directional couplers, terminations and filters are also used in military systems, such as electronic counter measures and missile guidance.

**Micro Laser Systems Inc**

12841 Western Ave, Unit H, Garden Grove, CA 92841, 714-898-6001, [sales@microlaser.com](mailto:sales@microlaser.com), [www.microlaser.com](http://www.microlaser.com)

Manufactures high-performance, free-space and fiber-coupled diode laser systems from 375–2000 nm and up to 5W. Many lasers operate with narrow linewidth and very high stability. Accessories include beam expanders, focusing optics and small to large fiber collimators. Custom lasers and fiber collimators are routinely manufactured for OEM users.

**Microsemi Corp**

1 Enterprise, Aliso Viejo, CA 92656, 949-380-6100, [www.microsemi.com](http://www.microsemi.com)

Provides semiconductors for communications, defense, security, aerospace, industrial and medical applications. Products include high-performance, radiation-hardened analog mixed-signal ICs, FPGAs, SoCs and ASICs, power management products, timing and voice processing devices, RF solutions, discretes, security technologies and scalable anti-tamper products, PoE ICs and midspans, and custom design capabilities and services.

**Microvolt Electronics**

6810 Meadowvale Town Ctr Cir, Mississauga, ON L5N 7T5, Canada, [richard@mvelectronics.net](mailto:richard@mvelectronics.net), [www.microvoltcanada.com/linecard.html](http://www.microvoltcanada.com/linecard.html)

Represents military and space (hi-rel) RF component manufacturers such as Minicircuits, Vectron, 3Gmetalworx, Cernex and EZForm. Call or email 24/7 for a quote. Operating since 1991.

**Microway Inc**

Server Systems Div, 12 Richards Rd, Plymouth, MA 02360, 508-746-7341, [sales@microway.com](mailto:sales@microway.com), [www.microway.com](http://www.microway.com)

Delivers rugged/industrial grade, custom Linux clusters and servers, integrating 64-bit sixteen core Opterons or 12 core Xeons, Nvidia GPUs, InfiniBand, and 10 GigE. Provides high-performance COTS devices to agencies, including NASA, NIST, NIH, AF, Army and Navy. GSA schedule number GS-35F-0431N.

**Midian Electronics Inc**

2302 E 22nd St, Tucson, AZ 85713, 520-884-7981, [sales@midians.com](mailto:sales@midians.com), [www.midians.com](http://www.midians.com)

Manufactures and sells tactical voice security products for use in military two-way radio systems.

**Milestones Building and Design**

557 W Kellogg Rd, Bellingham, WA 98226, 360-366-3077, [milestones@milestonesbd.com](mailto:milestones@milestonesbd.com), [www.mbdbuildings.com](http://www.mbdbuildings.com)

Supplies crossover fabric covered buildings, the original fabric buildings utilizing structural, rigid steel beams instead of hollow-tube, open web trusses. Permanent or temporary, they are IBC code compliant including wind and snow loads. Variable foundations make the fabric buildings portable. Made in the US, from 30' to 300' wide.

**Minco**

7300 Commerce Ln, Minneapolis, MN 55432, 763-571-3121, [sales@minco.com](mailto:sales@minco.com), [www.minco.com](http://www.minco.com)

Designs, manufactures, and markets components for critical applications by providing engineering services that help customers plan and integrate components into products to ensure a high level of reliability. Customized flexible Thermocoil heaters, flex circuits, sensors, instruments, and integrated components have proven themselves in applications worldwide.

**Mission Micro Molding Corp**

28536 Oakmont, Mission Viejo, CA 92692, 949-306-4354, [info@missionmicromolding.com](mailto:info@missionmicromolding.com), [www.missionmicromolding.com](http://www.missionmicromolding.com)

Offers small to micro-sized injection molded parts to the industry. Provides ISO 9001 and ISO 13485 and ITAR compliance. The company can prototype and offer short run as well as high volume production runs in its cleanroom facility.

**Mistral Solutions**

Product Engineering and Defense Solution Div, 60 Adarsh Regent, Domlur Ext, Bangalore 560 071, Bangalore, Karnataka 560071, India, 91-80-30731500, [info@mistralsolutions.com](mailto:info@mistralsolutions.com), [www.mistralsolutions.com](http://www.mistralsolutions.com)

Offers of end-to-end solutions that meet the complex requirements of defense applications. These include complex hardware design, software development, integration of multi-vendor COTS products and turnkey solutions

**Mixed Signal Integration Corp**

2157 O'Toole Ave, Suite 50, San Jose, CA 95131, 408-434-6305, [info@mix-sig.com](mailto:info@mix-sig.com), [www.mix-sig.com](http://www.mix-sig.com)

Specializes in the manufacture and sale of turnkey analog and mixed signal standard products and custom ASICs in CMOS technologies.

**Mobile Mark**

3900-B River Rd, Schiller Park, IL 60176, 847-671-6690, [info@mobilemark.com](mailto:info@mobilemark.com), [www.mobilemark.com](http://www.mobilemark.com)

Designs and manufactures site, mobile and device antennas for 137 MHz–9 GHz. Applications include GPS tracking and fleet management, cellular GSM/CDMA, LTE, WiMAX, WiFi, RFID, public safety, military and machine-to-machine (M2M). Engineering and custom design services available. Antennas for the US market are made in the US.

# VENDOR DIRECTORY

## Mobile Desk

Mobile Office Solutions Div, 8080 Beckett Center Dr, Suite 105, West Chester, OH 45069-1873, 877-663-3375, sales@mobiledesk.com, [www.mobiledesk.com](http://www.mobiledesk.com)

Manufactures heavy-duty laptop mounts, truck console communications center, screen out technology, mobile office solutions for cars, trucks and utility fleet vehicles.

## Modular Industrial Computer Inc

6635 Lee Hwy, Chattanooga, TN 37421, 423-499-0700, [marka@mic.com](mailto:marka@mic.com), [www.mic.com](http://www.mic.com)

Provides industrial/ruggedized computers, displays, computer and peripheral enclosures specifically designed to meet the harsh demands of NEMA 4/4X/12 computing environments. The extensive field proven product portfolio offers a complete array of product solutions.

## Modulight Inc

Hermiankatu 22, Tampere 33720, Finland, 358-20-743-9000, [sales@modulight.com](mailto:sales@modulight.com), [www.modulight.com](http://www.modulight.com)

Provides solutions to optical applications for industrial, entertainment, medical, space, and defense industries. Product lines include various types of semiconductor diode lasers, covering a selection of wavelengths, from visible to IR, with output power levels, ranging from milliwatts to more than 100W. Lasers for illumination, range finding, and perimeter security available.

## Molex Inc

Fiber Products Group Div, 5224 Katrine Ave, Downers Grove, IL 60515, 630-512-8787, [fiberoptics@molex.com](mailto:fiberoptics@molex.com), [www.molex.com/fiber](http://www.molex.com/fiber)

Supplies interconnect products. Focuses on the design, development, and distribution of innovative solution products that touch every walk of life. The company's portfolio of more than 100,000 products includes everything from electronic, electrical and fiber-optic interconnect solutions to switches and application tooling.

## Momentive Performance Materials Inc

260 Hudson River Rd, Waterford, NY 12188, 614-986-2497, [4information@momentive.com](mailto:4information@momentive.com), [www.momentive.com](http://www.momentive.com)

## Momentum Services

(div of MOGAS Industries Inc), 14330 E Hardy St, Houston, TX 77039, 281-449-0291, [rwilson@momentumsvcs.com](mailto:rwilson@momentumsvcs.com), [www.momentumsvcs.com](http://www.momentumsvcs.com)

Provides cleanroom services and precision cleaning for manufacturing, aerospace, medical, military, R&D technology, food and more. Specific applications within these industries require the absolute removal of impurities that degrade a product or that can be a safety hazard to equipment or to equipment or a danger to people.

## MONTI Tools Inc

(sub of MONTI Werkzeuge GmbH), 10690 Shadow Wood Dr, Suite 113, Houston, TX 77043, 832-623-7970, [info@monti-tools.com](mailto:info@monti-tools.com), [www.monti-tools.com](http://www.monti-tools.com)

Specializes in the development and manufacture of powered hand-held tools for professional surface preparation. The technology is available in over 80 countries and used in various industries around the globe.

## Moog Protokraft

4545 W Stone Dr, Bldg 135, Kingsport, TN 37660, 423-578-7200, [salesmp@moog.com](mailto:salesmp@moog.com), [www.protokraft.com](http://www.protokraft.com)

Designs and manufactures electronic components and subsystems for use in harsh environment networking and communications applications.

## Mooring Tech Inc

488 Edgewood Ave SE, Atlanta, GA 30312, 877-532-8088, [info@buytough.com](mailto:info@buytough.com), [www.buytough.com](http://www.buytough.com)

Delivers the latest Toughbook models with exclusive pricing for military personnel and higher volume orders. Panasonic authorized and preferred provider of Panasonic Toughbook ruggedized MIL-STD-810G laptop and tablet PCs. Call BuyTough today to get the most reliable, trusted PCs for government and military operations.

## Motion Maker Engineering

414 8th St SW, Forest Lake, MN 55025, 651-243-2520, [polson@motionmaker.net](mailto:polson@motionmaker.net), [www.motionmaker.net](http://www.motionmaker.net)

Is an independent manufacturing representative group specializing in robotics and lasers for the high technology manufacturing industry of today. The group does OEM representation (B2B), marketing, consulting, and project management for many global industries including robotics, lasers, cladding, cold spray and 3-D printing for the additive manufacturing processes.

## Mountain Secure Systems

(sub of Phillips Service Industries), 1350 Kansas Ave, Longmont, CO 80501-6546, 303-827-2159, [rod.copeland@mountainsecuresystems.com](mailto:rod.copeland@mountainsecuresystems.com), [www.mountainsecuresystems.com](http://www.mountainsecuresystems.com)

Offers rugged electronics that will go anywhere. From the weightlessness of outer space to the crushing depths of the oceans, the company makes them rugged so electronics can go to the extreme. Extreme temperature, altitude, humidity and condensation, shock and vibration, explosive decompression, and dust and dirt are no problem.

## MPB Communications

(sub of MPB Technologies Inc), 147 Hymus Blvd, Point Claire, QC H9R 1E9, Canada, 514-694-8751, [info@mpbc.ca](mailto:info@mpbc.ca), [www.mpbc.ca](http://www.mpbc.ca)

Manufactures optical amplifiers, Fiber lasers, visible fiber lasers, and Fiber Bragg grating sensors (temperature and strain) for military and aerospace applications. Custom designs featuring low mass, low power consumption, and low fit rates are the specialty.

## MPL AG

Taefernstr 20, Daettwil CH-5405, Switzerland, 41-56-483-34-34, [sales@mpl.ch](mailto:sales@mpl.ch), [www.mpl.ch](http://www.mpl.ch)  
Develops and manufactures highly-integrated fanless rugged industrial PCs, embedded CPU boards, and complete systems with high-quality standards. All products are based on unique concepts for harsh environments, long-term availability, and high reliability.

## MSE-TetraGenics

SCADA Systems, Software, Simulators Div, 200 Technology Way, Butte, MT 59701, 406-533-6800, [tgcontact@mse-ta.com](mailto:tgcontact@mse-ta.com), [www.tetraGenics.com](http://www.tetraGenics.com)

## MS Kennedy Corp

4707 Dey Rd, Liverpool, NY 13088, 315-701-6751, [g.overend@mskennedy.com](mailto:g.overend@mskennedy.com), [www.mskennedy.com](http://www.mskennedy.com)  
Provides hybrid microcircuits, motor controls, amplifiers, voltage regulators, radiation hardened electronic components, space and military qualified microelectronics, power hybrids, and custom hybrids.

## MSP Corp

5910 Rice Creek Pkwy, Suite 300, Shoreview, MN 55126, 651-287-8100, [sales@mspcorp.com](mailto:sales@mspcorp.com), [www.mspcorp.com](http://www.mspcorp.com)  
Specializes in applied aerosol technologies. Manufactures instrumentation, materials, and equipment for scientific research and industrial applications. The company's expertise is in micro and nano particle generation, measurement, and control.

## MTI Electronics

W133 N5139 Campbell Dr, Menomonee Falls, WI 53217, 262-783-6080, [sales@mtielectronics.com](mailto:sales@mtielectronics.com), [www.mtielectronics.com](http://www.mtielectronics.com)

Provides contract electronic assembly and electronic manufacturing services including printed circuit board (PCB) assembly services, box build and PCB prototypes. ISO 9001:2008, ISO 13485:2003, AS9100C certified and ITAR registered. Services include program management, new product introduction, supply-chain management, SMT, BGA and conformal coating.

## MtronPTI

(sub of LGL Group Inc), 2525 Shader Rd, Orlando, FL 32807, 407-298-2000, [info@mtronpti.com](mailto:info@mtronpti.com), [mtronpti.com](http://mtronpti.com)

Offers high-reliability, harsh environment RF/microwave filters and low-noise, vibration insensitive oscillators for mil-aero communication, Internet, and instrumentation applications. Vertically integrated with complete control of basic material science, design and manufacturing, the company uses close working relationships to reduce risk and lower costs for timing and spectrum control.

**Multisorb Technologies Inc**

325 Harlem Rd, Buffalo, NY 14224, 716-824-8900,  
info@multisorb.com, www.multisorb.com

Engineers customized sorbents (desiccants, other absorbers) that reduce environmental and atmosphere related problems encountered in avionic sensors and controls, radar, communication equipment, lasers, and a variety of other electronic equipment. Challenges can range from performance/reliability issues to problematic situations, such as condensation build-up in navigational lighting.

**Murrietta Circuits**

5000 E Landon Dr, Anaheim, CA 92807,  
714-970-2430, sales@murrietta.com,  
www.murrietta.com

Specializes in the design, fabrication, assembly and testing of circuit boards. Has been in business for over 25 years and holds ISO/AS9100 certifications.

**Nallatech**

(sub of Interconnect Systems Inc), 759 Flynn Rd, Camarillo, CA 93012, 805-383-8997,  
sales@nallatech.com, www.nallatech.com

Supplies accelerated-computing solutions.

Designs and manufactures FPGA products for high-performance computing applications and rugged embedded computing platforms. Customers benefit from improved performance, lower costs, reduction in size, weight and power. Is a subsidiary of Interconnect Systems Inc.

**Nanning Lijie Energy Saving Electric Co Ltd**

6/F Lab Bldg, Zhengxin Hi-Tech Pk, 2 Gaoxin 7th Rd, Nanning, Guangxi 530001, China,  
86-771-2386698, evan.f.yang@gmail.com,  
www.nnljdq.en.alibaba.com

**National Bronze Mfg Co**

28070 Hayes Rd, Roseville, MI 48066,  
586-791-2000, sales@nationalbronze.com,  
www.nationalbronze.com

Manufactures and distributes bronze bushings, custom bronze bearings, precision machined parts and various non-ferrous alloys in cored bar, plate, sheet and hex form.

**National Instruments**

11500 N Mopac Expwy, Austin, TX 78759-3504,  
877-387-0015, www.ni.com/vision

Offers virtual instrumentation. Leveraging the PC and related technologies, virtual instrumentation increases productivity and lowers costs through easy-to-integrate software, such as NI LabVIEW, and modular hardware, such as PXI modules for data acquisition, instrument control, and machine vision.

**National Semiconductor**

2900 Semiconductor Dr, Santa Clara, CA 95051-0608, 408-721-5000, www.national.com  
Creates energy-efficient analog and mixed-signal semiconductors as well as SolarMagic power optimizers. Products include power management circuits, display drivers, audio and operational amplifiers, communication interface products and data conversion solutions.

**National Test Equipment**

1935 Plaza Real, Oceanside, CA 92056,  
760-639-1700, sales@ntecusa.com,  
www.natioantestequipment.com

Repairs, sells, rents and leases electronic test and measurement equipment. Highly skilled technicians thoroughly repair, test and calibrate with NIST traceability and provide manuals and accessories at significant cost savings.

**NCEE Labs**

4740 Discovery Dr, Lincoln, NE 68521,  
402-323-6233, info@nceelabs.com,  
www.nceelabs.com

Provides FCC, CE testing, precompliance and prescans EMC testing, EMC compliance testing, product safety testing, environmental testing, nondestructive X-ray testing and product certification MIL-STD 810. Is ISO 17025 accredited.

**Nelco Products**

Mid Atlantic Div, 49 S Maple Ave, Marlton, NJ 08053, 866-635-2660, nelconj@comcast.net,  
www.nelcoproducts.com

Supplies cable assembly components, such as cable ties, heat shrink tubing, solder sleeves, wire marking systems, expandable sleeves, and terminals. Meets all MIL SPECs.

**Nelson Design Services Inc**

3501 W Moreland Rd, Willow Grove, PA 19090,  
215-784-9600, sales@nelson-design.com,  
www.nelson-design.com

Specializes in PC board design layout, electrical and mechanical engineering and design, and CAD drafting services, as well as fabrication and assembly services. Provides complete support services for the design, development, engineering, manufacturing, and testing of electronic-based products and equipment.

**Ness Engineering Inc**

PO Box 261501, San Diego, CA 92196,  
858-566-2372, nessengr@san.rr.com,  
www.nessengr.com

**Neuro Logic Systems Inc**

451 C-Constitution Ave, Camarillo, CA 93012,  
805-389-5435 x218, sales@nlsdisplays.com,  
www.nlsdisplays.com

**Nevada Nanotech Systems Inc**

1315 Greg St, Suite 103, Sparks, NV 89431,  
775-972-8943, rwhitten@nevadanano.com,  
www.nevadanano.com

Develops and manufactures MEMS-based sensor modules and subsystems for a diverse array of chemical detection and characterization applications.

**Newport Corp**

1791 Deere Ave, Irvine, CA 92606, 800-222-6440,  
sales@newport.com, www.newport.com

Supplies advanced technology products and solutions for scientific research, life and health science, aerospace and defense, photovoltaics, industrial manufacturing, semiconductors, and microelectronics markets.

**NextComputing**

4 Townsend W, Bldg 17, Nashua, NH 03063,  
603-886-3874, sales@nextcomputing.com,  
www.nextcomputing.com

Offers systems built to provide a utility to the warfighter. With effective video capture, storage and playback users can undertake high-bandwidth, real-time visualization, streaming and analysis with ease even under the most demanding and extreme conditions. The portable "flextop" takes test and measurement solutions anywhere.

**NiCoForm Inc**

72 Cascade Dr, Rochester, NY 14614,  
585-454-5530, inform@nicoform.com,  
www.nicoform.com

Produces precision electroformed bellows, IR radiation shields, microfluidic molds and net-shape 3-D NiColoy electroforms.

**Night Optics USA Inc**

(div of ATK Bushnell Outdoor Products), 15182 Triton Ln, Suite 101, Huntington Beach, CA 92649,  
714-899-4475, info@nightoptics.com,  
www.nightoptics.com

Provides professional quality, competitively-priced night vision products. The company is widely recognized as an innovative industry leader.

**NIGHTSTICK by Bayco**

640 S Sanden Blvd, Wylie, TX 75098,  
800-233-2155, www.baycoproducts.com

**The Night Vision Store**

2422 Lilyfield Dr, Trophy Club, TX 76262-3414,  
817-490-0501, sales@nightvisionstore.com,  
www.nightvisionstore.com  
Provides homeland security equipment from ITT, FLIR, L3, Armasight, ATAC 360, Night Optics USA, Yukon, ATN, US Night Vision, Northrop-Grumman Thermal Eye and NcStar Optics. Products are great for security professionals, wildlife observation, boating, commercial fishing, police/law enforcement, and search and rescue.

**nLIGHT**

5408 NE 88th St, Bldg E, Vancouver, WA 98665,  
360-566-4460, sales@nlight.net, www.nlight.net

Designs and manufactures active and passive fibers, semiconductor diode lasers, and integrated photonic assemblies for the military and aerospace community. Components are available as COTS devices customized for specific applications and/or vertically integrated with engineering and manufacturing services to enable high-value solutions from the company's ISO-certified ITAR-compliant, US facilities.

# VENDOR DIRECTORY

## Noisecom (A Wireless Telecom Group Co)

25 Eastmans Rd, Parsippany, NJ 07054,  
973-386-9696, info@noisecom.com,  
[www.noisecom.com](http://www.noisecom.com)

Provides RF and microwave noise test instruments, including noise generators, noise sources, noise figure generation, and radar impairment. Offers UFX-EbNo series precision C/N noise generator, an automated instrument ideal for communication applications. JV9000 is a noise/spur generator specifically designed to inject noise and deterministic jitter (DJ) signals into Vcc lines.

## Noramco Wire & Cable

70 Glacier St, Coquitlam, BC V3K 5Y9, Canada,  
604-472-6970, norbby@noramco.ca,  
[www.noramco.ca](http://www.noramco.ca)  
Distributes electrical, electronic, datacom, fiber-optic cable, cable accessories and wire in Canada.

## Nord-Lock Inc

(sub of Nord-Lock International), 1051 Cambridge Dr, Elk Grove Village, IL 60007, 224-875-3333, [info-usa@nord-lock-inc.com](http://info-usa@nord-lock-inc.com), [www.nord-lock.com](http://www.nord-lock.com)  
Provides solutions including multifunctional wedge-locking technology, superbolt tensioners and expansion bolts.

## Nordson ASYMTEK

(sub of Nordson Corp), 2747 Loker Ave W, Carlsbad, CA 92010-6603, 760-431-1919, [info@nordsonasymtek.com](mailto:info@nordsonasymtek.com), [www.nordsonasymtek.com](http://www.nordsonasymtek.com)  
Supplies automated fluid dispensing and conformal coating equipment for precision applications like medical and biotechnical devices, semiconductor packaging, PCB assembly, LEDs, flat panel displays, and solar and photovoltaic products. An ISO 9001:2012-certified company, is recognized for innovative equipment backed by an award-winning global support network.

## Noren Products Inc

1010 O'Brien Dr, Menlo Park, CA 94025, 650-322-9500, [sales@norenproducts.com](mailto:sales@norenproducts.com), [www.norenproducts.com](http://www.norenproducts.com)  
Provides thermal solutions in a variety of industries and market sectors. The company is widely recognized for its ability to solve challenging design issues with its unique heat pipe technology, engineering team and fabrication expertise.

## North Atlantic Industries Inc

110 Wilbur Pl, Bohemia, NY 11716, 631-567-1100, [info@naii.com](mailto:info@naii.com), [www.naii.com](http://www.naii.com)  
Provides specialized embedded electronics and computing for sense and response-intensive, mil-aero applications. Accelerates clients' time-to-mission with a unique approach based on a Custom-on-Standard Architecture (COSA) that delivers the best of both worlds: custom solutions from standard COTS components.

## Northrop Grumman Cutting Edge Optronics

20 Point W Blvd, St Charles, MO 63301, 636-916-4900, [st-ceolaser-info@ngc.com](mailto:st-ceolaser-info@ngc.com), [www.as-northropgrumman.com](http://www.as-northropgrumman.com)  
Supplies advanced laser diode and DPSS laser technology. Specializes in developing and manufacturing high-performance laser diode arrays, laser gain modules, control electronics and complete laser systems for military, aerospace and commercial applications.

## Northrop Grumman Information Technology

9326 Spectrum Center Blvd, San Diego, CA 92123, 800-884-1336, [www.is.northropgrumman.com](http://www.is.northropgrumman.com)  
Provides technological products, services, and solutions in systems integration, defense electronics, information technology, advanced aircraft, ship building, and space technology.

## Northwest EMC Inc

22975 NW Evergreen Pkwy, Suite 400, Hillsboro, OR 97124, 888-364-2378, [alangford@nwemc.com](mailto:alangford@nwemc.com), [www.nwemc.com](http://www.nwemc.com)  
Capabilities includes military and aerospace markets with testing to 40 GHz including radiated susceptibility at 200 V/m. Is an independent, accredited, commercial EMC compliance test laboratory. Locations in California, Minnesota, New York, Oregon, and Washington.

## Northwire Inc

110 Prospect Way, Osceola, WI 54020, 715-294-2121, [cableinfo@northwire.com](mailto:cableinfo@northwire.com), [www.northwire.com](http://www.northwire.com)  
Designs military wire for harsh duty environments. Offers design-to-deliver in five days for fast fielding and excels in custom cable creation for unique requirements. Has four decades of experience engineering MIL SPEC cable. Holds AS9100 Rev C and ISO 9001:2008 qualifications among its extensive certifications.

## Novacam Technologies Inc

277 Lakeshore Rd, Suite 4, Pointe-Claire, QC H9S 4L2, Canada, 514-694-4002, [info@novacam.com](mailto:info@novacam.com), [www.novacam.com](http://www.novacam.com)  
Designs and manufactures Microcam 3-D/4-D fiber-based profilometers used in metrology, inspection of turbine blades and vanes, and process control, measuring film thickness, surface characterization, roughness, and profilometry in inhospitable environments.

## NOVA Power Solutions Inc

(sub of LTI DataComm), 23020 Eaglewood Ct, Suite 100, Sterling, VA 20166, 703-401-4660, [louie.leitao@novapower.com](mailto: louie.leitao@novapower.com), [www.novapower.com](http://www.novapower.com)  
Provides mission-critical rugged uninterruptable power supplies (UPS), power conditioners, and battery backup modules. Has over 30,000 units successfully deployed worldwide in some of the world's toughest environments. Offers customized power protection solutions to meet the specific requirements of each and every customer.

## Nufern

7 Airport Pk Rd, East Granby, CT 06026, 860-408-5000, [info@nufern.com](mailto:info@nufern.com), [www.nufern.com](http://www.nufern.com)  
Manufactures specialty optical fibers, precision wound optical fiber coils, fiber lasers and amplifiers. Integrated team has the experience, resources, and facilities required to design, manufacture, test and qualify highly-engineered optical fibers and fiber-based products for diverse applications and industries.

## NuWaves Engineering Ltd

132 Edison Dr, Middletown, OH 45044, 513-360-0800, [support@nuwaves-ltd.com](mailto:support@nuwaves-ltd.com), [www.nuwaves-ltd.com](http://www.nuwaves-ltd.com)  
Provides radio frequency (RF) systems, subsystems, RF products, embedded systems and engineering design services.

## Objective Interface Systems Inc

220 Spring St, Suite 530, Herndon, VA 20170-6201, 703-295-6500, [www.ois.com](http://www.ois.com)  
Provides high-performance technologies for constructing high-performance and secure communications systems from tiny embedded systems to multi-enterprise large scale cloud computing infrastructures. Products are used in complex and demanding environments such as aerospace, defense, automotive, telecommunication, banking, robotics, industrial automation and other mission critical systems.

## OFS

55 Darling Dr, Avon, CT 06001, 860-678-0371, [ofs@ofsoptics.com](mailto:ofs@ofsoptics.com), [www.ofsoptics.com](http://www.ofsoptics.com)  
Offers fibers, cables, and components optimized for the harshest environments and designed for high-power generation and reliable, trouble-free, long-term installation including power combiners, FlightGuide cables, and PYROCOAT high-temperature coating. Provides ISO-controlled quality standards. Was selected for JFS, F/A-22, F-16, and more.

## Olympus IMS

Industrial Microscopy & Metrology Div, 3500 Corporate Pkwy, Center Valley, PA 18034-0610, 484-896-5000, [industrial.info@olympus.com](mailto:industrial.info@olympus.com), [www.olympus-ims.com](http://www.olympus-ims.com)  
Offers a range of industrial microscopes and micro-imaging systems for semiconductor wafer manufacturing, advanced materials analysis, microlithography, metallography and other precision applications. Provides solutions specifically designed to meet the requirements of precision manufacturers from the aerospace and automotive markets to materials science, MEMS and electronic components.

## Omega Engineering Inc

1 Omega Dr, Stamford, CT 06907, 203-359-1660, [info@omega.com](mailto:info@omega.com), [www.omega.com](http://www.omega.com)  
Offers more than 100,000 products for measurement and control of temperature, heating, humidity, pressure, strain, force, flow, level, pH and conductivity, and a new line of sanitary products. Also designs and manufactures patented wireless communication products and offers a complete line of automation and data acquisition products.

**Omnetics Connector Corp**

7260 Commerce Cir E, Minneapolis, MN 55432,  
763-572-0656, sales@omnetics.com,  
[www.omnetics.com](http://www.omnetics.com)

Offers COTS, standard, and custom micro and nano miniature connectors built to meet and exceed MIL-DTL 32139 and 83513. Full line includes single, dual row, and circular configurations for use in military/aerospace, avionics, medical, and high-end commercial applications.

**One Stop Systems Inc**

2235 Enterprise St, Suite 110, Escondido, CA 92029, 760-745-9883, sales@onestopsystems.com, [www.onestopsystems.com](http://www.onestopsystems.com)

Designs and manufactures custom and semi-custom computing systems and components for converged communications, industrial control, and defense/security applications. Is a premier provider of PCIe-over-cable products for the embedded market.

**OPAL-RT Technologies**

1751 Rue Richardson, Suite 2525, Montreal, QC H3K 1G6, Canada, 514-935-2323, [darcy.laronde@opal-rt.com](mailto:darcy.laronde@opal-rt.com), [www.opal-rt.com](http://www.opal-rt.com)  
Supplies real-time digital simulation platforms which are used to integrate, test and validate avionics systems (flight control, electrohydraulic systems for landing gear, control surfaces, FADEC, air management, and more). The systems use commercial-off-the-shelf, PC and FPGA hardware and are fully integrated with Matlab/Simulink.

**Open IT Inc**

2 Pk Ten Pl, 16300 Katy Freeway, Houston, TX 77094, 281-599-3400, [www.openit.com](http://www.openit.com)  
Offers software which enable fully customizable usage reporting, granular charge-back for hardware and software usage, and automated, industry-leading license harvesting capabilities across Windows/Unix/Linux platforms.

**OPHIR RF**

5300 Beethoven St, Los Angeles, CA 90066, 310-306-5556, [info@ophirrf.com](mailto:info@ophirrf.com), [www.ophirrf.com](http://www.ophirrf.com)  
Designs and manufactures high-power, solid-state, broadband, and band-specific amplifiers. Products range in frequency from 10 kHz to 8 GHz, with power levels from 1W to above 2 kW. Designs and manufactures products in the US.

**Optical Cable Corp**

5290 Concourse Dr, Roanoke, VA 24019, 540-265-0690, [info@occfiber.com](mailto:info@occfiber.com), [www.occfiber.com](http://www.occfiber.com)  
Manufactures MIL-PRF-85045 cables for military ground tactical applications. Services both domestic and international defense communities with tactical products. Manufactures low-smoke, zero halogen cables for shipboard applications.

**OptoCity**

645 Bashford Rd, Raleigh, NC 27606, 910-331-4862, [tom@optocity.com](mailto:tom@optocity.com), [www.optocity.com](http://www.optocity.com)  
Provides quality crystal and optical components including low-cost half/quarter waveplates, polarizing beamsplitter cubes, glan-thompson polarizers, penta prism/corner cube retroreflectors/lenses/windows/mirrors/filters NLO crystal types BBO, LBO, KTP, KTA, MgO:LiNbO<sub>3</sub>, crystal oven temperature controllers, laser crystal types Nd:YVO<sub>4</sub>, Nd:YAG, Cr<sup>4+</sup>:YAG diffusion bonding, polishing coating services and manufactures custom/in-stock product.

**Optocon AG**

Pohlstrand 17, Dresden 01309, Germany, 49-351-3101957, [info@optocon.de](mailto:info@optocon.de), [www.optocon.de](http://www.optocon.de)

Specializes in fiber-optic temperature measurement including fiber-optic thermometers and fiber-optic temperature sensors.

**Opto Diode Corp**

(member of the ITW Photonics Group), (sub of ITW), 750 Mitchell Rd, Newbury Park, CA 91320, 805-499-0335, [sales@optodiode.com](mailto:sales@optodiode.com), [www.optodiode.com](http://www.optodiode.com)

Manufactures visible LEDs and IR LEDs, silicon photodetectors, and radiation detectors for visible, UV, extreme UV, and soft X-ray energy measurement in a US-based fabrication facility. Customized LED wavelengths, power output, packaging, angle of emission, and testing methods are available.

**OPTOTEC SpA**

Via B Zenale, 44, Garbagnate Milanese, (MI) 20024, Italy, 39-02-995-151, [info@optotec.it](mailto:info@optotec.it), [www.optotec.it](http://www.optotec.it)

Satisfies severe performance standard fiber assembly on civil, avionic and on peace-keeping military applications supplying high-performances cable assemblies. Qualified to assembly a variety of tactical and military connectors on custom and MIL specifications.

**OptoTherm Inc**

2591 Wexford-Bayne Rd, Suite 304, Sewickley, PA 15143, 724-940-7600, [sales@optotherm.com](mailto:sales@optotherm.com), [www.optotherm.com](http://www.optotherm.com)

Manufactures high-performance thermal imaging systems for use in circuit board failure analysis and microscopic thermographic analysis of semiconductor and MEMS devices.

**ORIENTIR**

199 Western Rd, High-Tech Dist Western Zone, Chengdu, Sichuan 611731, China, 86-28-8795-7656, [sales@orient-ir.com](mailto:sales@orient-ir.com), [www.orient-ir.com](http://www.orient-ir.com)

Provide high-quality infrared optics as germanium, silicon, gallium arsenide, calcium fluoride and sapphire crystals.

**Orled**

7313 SW Tech Center Dr, Portland, OR 97223, 503-968-1375, [sales@orled.com](mailto:sales@orled.com), [www.orled.com](http://www.orled.com)  
Specializes in LED rings for microscopes to enhance clarity and visibility. Performs OEM of custom products including inspection, lighting, LED lighting with cameras, street lighting and LED panels.

**OSI OptoElectronics Inc**

(div of OSI Systems Inc), 12525 Chadron Ave, Hawthorne, CA 90250, 310-978-0516, [info@osioptoelectronics.com](mailto:info@osioptoelectronics.com), [www.osioptoelectronics.com](http://www.osioptoelectronics.com)

Designs and manufactures high-performance standard, custom, and OEM silicon and InGaAs photodiodes, as well as a range of optoelectronic components and subassemblies for aerospace, defense, security, inspection, medical, communications, and industrial automation applications. Also offers added value turnkey electronics built in state-of-the-art manufacturing facilities worldwide.

**Oxford Instruments Industrial Analysis**

300 Baker Ave, Suite 150, Concord, MA 01742-2124, 978-369-9933, [industrial@oxinst.com](mailto:industrial@oxinst.com), [www.oxford-instruments.com](http://www.oxford-instruments.com)  
Manufactures benchtop, portable, and handheld X-ray fluorescence (XRF) for materials identification and coating thickness analysis with a focused on quality control.

**Palmer Wahl Temperature Instruments**

234 Old Weaverville Rd, Asheville, NC 28804, 828-658-3131, [info@palmerwahl.com](mailto:info@palmerwahl.com), [www.palmerwahl.com](http://www.palmerwahl.com)

**Panasonic Computer Solutions Co**

3 Panasonic Way, 2F-5, Secaucus, NJ 07094, 888-223-1012, [www.panasonic.com/toughbook](http://www.panasonic.com/toughbook)  
Offers Panasonic Toughbook laptops from fully-rugged MIL-STD-810G workhorses to semi-rugged powerhouses to business-rugged thin and lightweight models. Panasonic Toughbook laptops give government employees and military personnel maximum productivity and reliability.

**Panduit Corp**

18900 Panduit Dr, Tinley Park, IL 60487, 708-532-1800, [cs@panduit.com](mailto:cs@panduit.com), [www.panduit.com](http://www.panduit.com)  
Engineers and manufactures end-to-end networking and electrical solutions that assist customers in deploying the latest technologies. Global expertise and industry relationships make the company a partner dedicated to delivering technology driven solutions and service.

# VENDOR DIRECTORY

## Parker Aerospace

Thermal Management Systems Div, (sub of Parker Hannifin), N 2218 Molter Rd, Liberty Lake, WA 99019, 509-232-3435, [tms@parker.com](mailto:tms@parker.com), <http://tms.parker.com>

Provides electronics survivability in the harshest military and aerospace environments. From ground combat vehicles to high-altitude unmanned aircraft, applications include signals intelligence (ASIP), electronics surveillance (BAMS), airborne radar processing (TRACER), command and control (CPP-L and EFV), tactical radar processing (HALS) and ground-based radar processing (MEADS).

## Parvus Corp

(sub of Eurotech), 3222 S Washington St, Salt Lake City, UT 84075, 801-483-1533, [sales@parvus.com](mailto:sales@parvus.com), [www.parvus.com](http://www.parvus.com)

Provides rugged hardware platforms to the military and homeland security. Specializes in ruggedized mobile networking solutions, displays, and embedded computer technologies to suit demanding application requirements.

## Passat Inc

1124 Kingsbury Rd, Owings Mills, MD 21117, 410-609-2006, [info@passatinc.com](mailto:info@passatinc.com), [www.passatltd.com](http://www.passatltd.com)

Manufactures diode-pumped solid-state lasers and DPSS laser components. Our picosecond DPSS UV lasers feature high pulse peak power, the highest power-to-price ratio and wavelength conversion efficiency. Our turn-key nanosecond DPSS lasers enjoy compact rugged design, high stability and efficiency.

## Peerless Electronics Inc

700 Hicksville Rd, Suite 100, Bethpage, NY 11714, 516-594-3500, [drome@peerlesselectronics.com](mailto:drome@peerlesselectronics.com), [www.peerlesselectronics.com/store](http://www.peerlesselectronics.com/store)

Distributes military and aerospace switches, relays, circuit breakers, fuses, terminal boards, indicator lights, lamps, potentiometers, contactors, and connectors. Stocks Sensata, Honeywell Sensing & Control, Micro Switch, Leach, Eaton, Klixon, Tyco Electronics, Tyco Aerospace, Bussmann, Marathon, Kulka, Dialight, Clarostat, OTTO Controls and Oak. Approved to FAA AC0056, AS9100.

## PEIGenesis

2180 Hornig Rd, Philadelphia, PA 19116, 215-673-0400, [pasales@peigenesis.com](mailto:pasales@peigenesis.com), [www.peigenesis.com](http://www.peigenesis.com)

Provides automated assembly of ITT Cannon connectors, Amphenol, Cinch and LEMO connectors. Production capabilities meet and exceed the highest military and industrial standards for consistent quality, inspection, marking and packaging. Factories are DoD and QPL approved.

## Pelican Products Inc

23215 Early Ave, Torrance, CA 90505, 310-326-4700, [sales@pelican.com](mailto:sales@pelican.com), [www.pelican.com](http://www.pelican.com)

Designs and manufactures high-performance protective case solutions and advanced portable lighting.

## PennWell Marketing Solutions

1421 S Sheridan Rd, Tulsa, OK 74112, 240-595-2352, [marketingservices@pennwell.com](mailto:marketingservices@pennwell.com), [www.pennwellmarketing.com](http://www.pennwellmarketing.com)

Provides full marketing and communications services. Programs range from strategic consulting to website creative and development, social media campaigns, lead generation, microsites, print ad development, trade show brochures and booth design.

## Pentek Inc

1 Park Way, Upper Saddle River, NJ 07458, 201-818-5900, [info@pentek.com](mailto:info@pentek.com), [www.pentek.com](http://www.pentek.com)

Designs COTS digital signal processing (DSP), software radio, FPGA and data acquisition commercial and conduction-cooled boards for VME, cPCI, PCle, VPX, AMC and XMC. Builds high-performance, portable, rackmount and rugged recording systems. Is ISO 9001:2000 certified.

## PerkinElmer

1330 E Cypress St, Covina, CA 91724, 626-967-9521, [dave.pope@perkinelmer.com](mailto:dave.pope@perkinelmer.com), [www.perkinelmer.com](http://www.perkinelmer.com)

Designs and manufactures high-performance power supplies used in military applications. Products include COTS DC/DC converter modules, as well as full custom design and qualification capabilities.

## PG&O - Precision Glass & Optics

3600 W Moore Ave, Santa Ana, CA 92704, 714-540-0126, [info@pgo.com](mailto:info@pgo.com), [www.pgo.com](http://www.pgo.com)

Specializes in precision optics and optical thin-film coatings. Provides windows, mirrors, prisms, and assembled optics. The extensive in-house glass inventory ensures quick turnaround on a large variety of optics and thin-film coatings, from square, rectangular and circular parts to complex shapes and precision prisms.

## Phihong

47800 Fremont Blvd, Fremont, CA 94538, 510-445-0100, [usasales@phihongusa.com](mailto:usasales@phihongusa.com), [www.phihong.com](http://www.phihong.com)

Supplies power solutions, including power supplies, adapters, and power-over-Ethernet products, to networking and consumer electronics OEMs. Has engineering and manufacturing facilities in North America, Taiwan and mainland China.

## PHLOX SA

Eiffel Pk A, 415, Rue Claude Nicolas Ledoux, Aix-En-Provence cedex 3 13854, France, 33-4-42-90-76-20, [info@phlox-gc.com](mailto:info@phlox-gc.com), [www.phlox-gc.com](http://www.phlox-gc.com)

Develops and commercializes high technology products for backlighting and industrial lighting. It is more specifically involved in backlighting for liquid crystal displays (in aerospace, civil and military) and machine-vision lights.

## Phoenix International

812 W Southern Ave, Orange, CA 92865, 714-283-4800, [info@phenxint.com](mailto:info@phenxint.com), [www.phenxint.com](http://www.phenxint.com)

Manufactures rugged COTS mass data storage systems that plug-and-play with any host operating system/network. Systems range in size and application from multi-terabyte Fibre Channel RAID, NAS, and storage area network (SAN) configurations, to plug-in conduction cooled VPX and VME solid-state disk storage modules. Is AS9100 rev C/ISO 9001:2008 certified.

## Photon Control Inc

8363 Lougheed Hwy, Suite 200, Burnaby, BC V5A 1X3, Canada, 604-422-8861, [sales@photon-control.com](mailto:sales@photon-control.com), [www.photon-control.com](http://www.photon-control.com)

Provides precision measurement solutions, specializing in OEM manufacturing, UV/VIS/NIR spectroscopy, fiber-optic temperature and positioning sensors, along with optical flow meters in various industries worldwide.

## Photron Inc

9520 Padgett St, Suite 110, San Diego, CA 92126, 858-684-3555, [image@photon.com](mailto:image@photon.com), [www.photon.com](http://www.photon.com)

Offers high-speed digital imaging solutions using both CCD and megapixel resolution (up to 10,000 fps) CMOS sensors. Systems include PC-based systems to High-G cameras, remote, multi-head systems, and image analysis software. Ideal for automotive crash testing, military, medical, scientific, R&D, industrial, sports, and entertainment markets.

## Pickering Interfaces Inc

221 Chelmsford St, Suite 5, Chelmsford, MA 01825, 781-229-5882, [ussales@pickeringtest.com](mailto:ussales@pickeringtest.com), [www.pickeringtest.com](http://www.pickeringtest.com)

Designs critical test and measurements systems. Understands that aerospace and defense test engineers face intense demands to find advanced test technologies. The PXI and LXI functional test and hardware-in-the-loop (HIL) simulation switching solutions have been specified into many different aerospace and defense applications throughout the world.

## PICO Electronics Inc

143 Sparks Ave, Pelham, NY 10803, 914-738-1400, [info@picoelectronics.com](mailto:info@picoelectronics.com), [www.picoelectronics.com](http://www.picoelectronics.com)

Manufactures military, COTS, and industrial DC/DC converters, high-voltage modules, AC/DC power supplies, inductors, and transformers. MIL-PRF units, environmental screening, and custom specifications are available from ISO 9000:2000 approved facility.

## PIC Wire & Cable

(sub of The Angelus Corp), N53 W24747 S Corporate Cir, Sussex, WI 53089-0330, 262-246-0500, [sales@picwire.com](mailto:sales@picwire.com), [www.picwire.com](http://www.picwire.com)

Provides electronic cables, cable connectors, avionic cable assemblies and antenna gaskets for demanding military, corporate and commercial applications that include airplanes, helicopters, ground vehicles, rail transport and marine vessels.

**Pinnacle Data Systems**

350 Automation Way, Birmingham, AL 35210,  
888-895-1004,  
mitch.anderson@pinnacledatasystems.com,  
www.pinnacledatasystems.com  
Provides effective delivery of business critical documents for many Fortune 500 companies. Has invested millions of dollars in technology and process improvements including full color, an on-line portal for document content control, approval, reporting and archive, along with a robust electronic document presentation and delivery solution.

**PIXELTEQ**

8060 Bryan Dairy Rd, Largo, FL 33777,  
727-545-0741, info@pixelteq.com,  
www.pixelteq.com  
Provides OEM spectral sensing and imaging solutions, patterned optical filters, and custom electro-optical devices for a variety of aerospace, biomedical, industrial, scientific, and security applications.

**Pleora Technologies Inc**

340 Terry Fox Dr, Suite 300, Ottawa, ON K2K 3A2, Canada, 613-270-0625, info@pleora.com, www.pleora.com  
Invented high-performance frame grabbers and embedded hardware for the delivery of video over Gigabit Ethernet, and leads the market in video interfaces for USB 3.0 and wireless. Engineers video interface solutions for system manufacturers and camera companies, focusing on shortening time-to-market, reducing risk, and lowering system costs.

**Pneumafil Corp**

(part of Nederman Group), PO Box 16348, Charlotte, NC 28297-8804, 704-398-7735, mpinfo@pneumafil.com, www.pneumafil.com  
Designs and builds high-quality rugged enclosures for military and aerospace programs. Offers close tolerance machining, fabrication, welding, assembly and surface finishing.

**Poco Graphite**

Specialty Materials Div, (sub of Entegris), 300 Old Greenwood Rd, Decatur, TX 76234, 940-627-2121, www.poco.com  
Manufactures graphite and silicon carbide materials for use in aerospace applications. For use in systems that require unparalleled precision, high-performance, chemical resistance, high stiffness, oxidation resistance and high-temperature environments including jet engine bushings and seals and high-performance optics.

**Positronic**

423 N Campbell Ave, Springfield, MO 65806, 417-866-2322, info@connectpositronic.com, www.connectpositronic.com  
Manufactures high-reliability power connectors, D-subminiature connectors, rectangular connectors, and circular connectors. Offers many performance options, including MIL-SPEC and space flight. Has supported military electronics for more than 40 years. The company offers customer support through detailed catalogs, easy-to-use website and local technical customer service.

**Powell Electronics**

200 Commodore Dr, Swedesboro, NJ 08085, 800-235-7880, info@powell.com, www.powell.com  
Is an authorized electronic component distributor of military connectors, switches and relays. Offers authorized, traceable QPLed products. Is AS9100 and ISO certified.

**Power Design Services**

121 E Brokaw Rd, San Jose, CA 95112, 408-437-1931, sales@powerdesignservices.com, www.powerdesignservices.com  
Provides printed circuit boards, PCBs, flex circuits and prototype design, fabrication, and assembly with quick turnaround and hands-on customer service.

**Power Innovations International Inc**

1305 S 630 E, American Fork, UT 84003-3375, 805-785-4123, kareng@power-innovations.com, www.power-innovations.com  
Provides uninterrupted power quality (UPQ) systems, customized/custom PDUs, and mobile power generation technology. UPQ started with traditional UPS technology and moved forward to address power quality for critical applications, and incorporates additional features and functions. UPQ systems are always on-line and are available in 500VA—1000 kVA for global power standards.

**Praxis Optics**

11127 Jordan Ave NE, Albuquerque, NM 87122, 505-239-9095, optalix@praxis-optics.com, www.praxis-optics.com

**Preciseley Microtechnology Corp**

11421 Saskatchewan Dr, Edmonton, AB T6G 2M9, Canada, 708-902-4137, info@preciseley.com, www.preciseley.com

Designs and manufactures reliable high-performance MEMS micromirrors and micromirror arrays with wide ranging applications including fiber telecom and instrumentation as VOAs, optical filters, optical switches and more.

**Preformed Line Products**

660 Beta Dr, Mayfield, Village, OH 44143, 440-461-5200, inquiries@preformed.com, www.preformed.com

Specializes in designing, engineering and manufacturing innovative, quality products for network connectivity in global communications and energy markets.

**Primus Cable**

36595 Kevin Rd, Wildomar, CA 92595, 951-824-1571, sales@primuscable.com, www.primuscable.com

Supplies CAT5, CAT5e, CAT6, CAT6a, CAT7, and CAT3 bulk cable, coaxial cable, fiber-optic cable, wire, connectivity and tools for voice/data/networking, telecommunications, security and audio/video applications. Also carries a wide range of patch cables, keystone jacks, patch panels, racks and enclosures plus everything else needed to complete installations.

**Princeton Lightwave Inc**

2555 US Rt 130 S, Suite 1, Cranbury, NJ 08512, 609-495-2600, sales@princetonlightwave.com, www.princetonlightwave.com  
Produces high-performance InP photodetectors and laser covering shortwave infrared. The extensive integration technologies enable solutions from components to turnkey subsystems for defense, imaging, instrumentation, and optical communications. Products include linear and 2-D arrays, cameras for 3-D lidar, single photon detectors, avalanche photodiodes, high-power diode lasers, and superluminescent diodes.

**Printed Circuits Inc**

1200 W 96th St, Minneapolis, MN 55431-2699, 952-888-7900, bburns@printedcircuits.com, www.printedcircuits.com  
Manufactures high-reliability, complex rigid flex and multilayered flexible circuits.

**Prior Scientific Inc**

80 Reservoir Pk Dr, Rockland, MA 02370-1062, 781-878-8442, info@prior.com, www.prior.com  
Manufactures microscope automation equipment including high-precision motorized microscope stages, automated slide and well plate loaders, LED and metal halide fluorescence illuminators, Piezo Z stages, motorized filter wheels, high-speed shutters, custom and OEM electromechanical and optical systems.

**Process Technology**

7010 Lindsay Dr, Mentor, OH 44060, 440-974-1300, info@process-technology.com, www.processtechnology.com  
Provides quality wet process heating and cooling equipment.

**ProMation Engineering Inc**

16138 Flight Path Dr, Brooksville, FL 34604, 352-544-8436, dean.geraci@promotionei.com, www.promotionei.com  
Manufactures a wide array of reliable industrial electric actuators including quarter-turn, failsafe quarter-turn spring-return electric and linear electric actuators, as well as custom control interfaces. Products are designed for harsh industrial environments and feature rugged board design to reduce connection failures and epicyclic gearing for increased mechanical reliability.

**Protavic America**

(sub of Protex International), 8 Ricker Ave, Londonderry, NH 03053, 603-623-8626, protavic@gmail.com, www.protavicanamerica.com  
Offers conductive adhesives, structural adhesives, potting and encapsulation resins, UV sealants and high-performance coatings.

**Pryme**

911 Mariner St, Brea, CA 92821, 714-257-0300, sales.service@pryme.com, www.pryme.com  
Manufactures high-quality products to professional users of two-way radios. Recently introduced a wide variety of new products, including the GPSMIC speaker microphones, enabling the location of users in the field via GPS.

# VENDOR DIRECTORY

## Psychsoftpc

PO Box 232, Quincy, MA 02171, 617-471-8733, sales@psychsoftpc.com, www.psychsoftpc.com  
Manufactures high-performance graphics workstations for scientific, engineering, chemical modeling, automotive design, avionics modeling, aerodynamics research, GIS and 3-D rendering applications. Offers Tesla-based personal supercomputers for computationally intensive applications at the desk and Linux based HPC clusters.

## Puleo Electronics Inc

39 Hutcheson Pl, Lynbrook, NY 11563, 516-599-4875, sales@puleoinc.com, www.annunciator.com  
Focuses on three areas including monitor and control systems, hardware and software, power distribution and protection systems and interconnection devices used in electronic systems.

## Pulse Electronics

Military & Aerospace Div, 12220 World Trade Dr, San Diego, CA 92128, 215-781-6400, www.pulseelectronics.com  
Supplies a variety of avionics and high-speed interface transformers, transceivers and power supply magnetics for military, aerospace and space applications. Included is a complete line of MIL-STD-1553 interface transformers, Fibre Channel and FireWire transceivers and transformers as well as military/aerospace-grade Ethernet transformers.

## PureTech Systems

1950 W Rose Garden Ln, Suite 140, Phoenix, AZ 85027, 602-424-9842, info@puretechsystems.com, www.puretechsystems.com  
Develops and markets the patented PureActiv video analytics surveillance software product, which is used for perimeter protection of critical facilities and infrastructure. Current customers include large deployments in seaports, airports, utilities, military bases, and railroads.

## Pyromation Inc

5211 Industrial Rd, Ft Wayne, IN 46825, 260-484-2580, sales@pyromation.com, www.pyromation.com  
Produces thermocouples, RTDs and thermowells in North America. An ISO 9001-registered firm and Lean manufacturing enterprise, has an on-site NVLAP accredited metrology laboratory providing temperature calibrations traceable to NIST standards for sensors and instruments. Founded in 1962.

## QSDM Inc

6470 Kestrel Rd, Mississauga, ON L5T 1Z7, Canada, 905-565-1800, marketing@qsdm.com, www.qsdm.com  
Designs and manufactures high-reliability electronic equipment for aerospace and related applications. Full-service EMS, registered to ISO 9001:2008 and AS9100C.

## QuadTech Inc

19772 Pauling, Foothill Ranch, CA 92610, 949-600-6400, sales@chromausa.com, www.chromausa.com  
Provides AC/DC power sources, and electrical safety test and passive components measurement solutions. These solutions help manufacturers test the safety and quality of electrical products, ensuring compliance to FDA and other regulatory agencies. Is now a Chroma Systems Solutions company.

## Quagwire Technologies

20 N Wacker Dr, Suite 1200, Chicago, IL 60606, 847-331-3255, sales@quagwire.com, www.quagwire.com  
Supplies advanced optical transceivers, components, and active optical cables for all data communication and telecommunication networking applications. All of the transceivers are fully-compatible with all major OEMs (Cisco, Juniper, Brocade, and more).

## Qualmark Corp

10390 E 48th Ave, Denver, CO 80238, 303-254-8800, sales@qualmark.com, www.qualmark.com  
Provides HALT/HASS (highly accelerated life test/highly accelerated stress screen) systems and services that advance product reliability and reduce warranty costs for leading manufacturers and their global supply chains. Manufactures the Typhoon series, the QFusion system for performing production HASS, and soon to launch a new portable HALT system in 2014.

## Quantum3D Inc

5400 Hellyer Ave, San Jose, CA 95138, 408-600-2500, sales@quantum3d.com, www.quantum3d.com  
Develops and manufactures real-time visual simulation and ruggedized embedded computing systems.

## Quantum Composers

212 Discovery Dr, Bozeman, MT 59718, 406-582-0227, sales@quantumcomposers.com, www.quantumcomposers.com  
Manufactures digital delay pulse generator, autofocus and laser technology. Offers a full suite of pulse generator and laser products designed to meet the needs of any application and has a team of design engineers who specialize in custom and OEM development.

## ■ Quell Corp

5639 Jefferson NE, Albuquerque, NM 87109, 505-243-1423, eeseal@quell.us, www.eeseal.com

Manufactures EESeal insert brand of EMI filters as ESD protection to connectors in seconds. The thin elastomeric insert easily slips onto the pins without soldering. It's a proven, reliable, permanent solution. Fits MS circular, DSub and most connectors. Free custom samples are available in 24 hours. Is ISO 9001 and AS9100 certified.

(See ad page BG13)

## Quicklogic Corp

1277 Orleans Dr, Sunnyvale, CA 94089-1138, 408-990-4000, www.quicklogic.com  
Develops and markets low-power customizable semiconductor solutions for tablets, smartbooks, netbooks, cloudbooks, smartphones, datacards and mobile enterprise products.

## Radisys

5435 NE Dawson Creek Dr, Hillsboro, OR 97124, 503-615-1100, info@radisys.com, www.radisys.com  
Specializes in embedded wireless infrastructure solutions for telecom, aerospace, defense and public safety applications.

## Radius Power

1751 N Batavia St, Orange, CA 92865, 714-289-0055, customerservice@radiuspower.com, www.radiuspower.com  
Manufactures power transformers and chokes, interconnect and cable assemblies.

## Rambus Inc

1050 Enterprise Way, Suite 700, Sunnyvale, CA 94089, 408-462-8000, www.rambus.com  
Provides engineering services to its licensees to ensure its technologies are successfully integrated into its customers' products.

## RAM Optical Instrumentation

(div of Quality Vision International Inc), 1175 North St, Rochester, NY 14621, 585-758-1300, info@ramoptical.com, www.ramoptical.com  
Offers a line of semi-automatic and automatic, noncontact measuring systems for the shop floor or gage lab. RAM systems feature a versatile motorized zoom optical system, a high-resolution video camera and the industry leading measurement software, Measure-X.

## Rantec Power Systems Inc

1173 Los Olivos Ave, Los Osos, CA 93402, 805-596-6000, powersys@rantec.com, www.rantec.com  
Designs and manufactures power supplies for the military and aerospace markets. Is an engineering-based company, with expertise in all aspects of power supply design, manufacturing and test.

## Rastergraf Inc

1810-J SE First St, Redmond, OR 97756, 510-849-4801, sales@rastergraf.com, www.rastergraf.com  
Supplies display, capture/display and PMC carrier boards for the embedded computing industry. Offers solutions for standard hardware platforms and operating systems. The graphics controllers include XMC, PMC and CompactPCI (CPCI). The operating system support includes Linux, Windows, and VxWorks.

**Rave Computer Assoc Inc**

7171 Sterling Ponds Ct, Sterling Heights, MI 48312, 586-939-8230, sales@rave.com, www.rave.com  
Manufactures computers providing commercial off-the-shelf and custom engineered solutions optimized for specific customer requirements. Provides commercial-off-the-shelf (COTS), modified COTS, and custom-engineered systems for use in commercial, industrial and military applications ruggedized to meet MIL-SPEC standards. These include rack-mount, mobile and small form factor systems. Is ISO 9001:2008 certified.

**Raycom Electronics**

1 Raycom Rd, PO Box 250, Dover, PA 17315, 717-292-3641, raycomsalesservice@electrotechnik.com, www.raycomelectronics.com  
Manufactures custom transformers and inductors used in avionics, defense, and space applications. Specializes in the design and manufacture of custom magnetics for high-end commercial, industrial, military (MIL-PRF-27 and MIL-PRF-21038), avionics, and mission critical space (MIL-STD-1553 and MIL-STD-981) applications. Specific products include inductors, chokes, toroidal transformers, Scott-T transformers, MIL-PRF-21038/27 and more.

**Raytheon ELCAN Optical Technologies**

450 Leitz Rd, Midland, ON L4R 5B8, Canada, 705-526-5401, info@elcan.com, www.elcan.com  
Specializes in the design and manufacture of technologically sophisticated and superior quality opto-electronic systems and subassemblies that meet strict military and commercial specifications. Offers superior design and engineering capabilities, proprietary production technologies and fully integrated manufacturing capabilities to provide custom, turnkey solutions.

**Raytheon Vision Systems**

75 Coromar Dr, Goleta, CA 93117-3090, 805-968-3511, rvsmarketing@raytheon.com, www.raytheon.com/businesses/ncs/rvs  
Develops and produces state-of-the-art detection and imaging devices for applications in the X-ray, visible, infrared, terahertz and millimeter wave regions of the electromagnetic spectrum.

**R Blaine Industries Inc**

(sub of Richard Blaine International Inc), 1517 Hill Rd, Suite 5F, Reading, PA 19602, 610-236-1445, info@vtcpi.com, www.vtcpi.com  
Manufactures polyimide, hybrid polymer materials and products including VTEC polyimide liquids, custom parts, stock shapes for machining, and powder molding resins. Manufactures parts to customer specifications from most materials. Machining, micro-hole drilling, fluoropolymer and anodize coating services offered. Makes parts from quartz, silicon, ceramic, all metals and plastics.

**Real-Time Innovations**

385 Moffett Park Dr, Sunnyvale, CA 94089, 408-990-7400, info@rti.com, www.rti.com  
Provides high-performance messaging and integration infrastructure for distributed real-time applications. Provides a rapidly growing market for data distribution service (DDS) compliant middleware. A range of industries leverage the company's software and design expertise, including defense, intelligence, simulation, industrial control, power generation, transportation, finance, medical, and communications.

**Reynard Corp**

1020 Calle Sombra, San Clemente, CA 92673, 949-366-8866, sales@reynardcorp.com, www.reynardcorp.com  
Supplies custom and standard optical components and thin-film coatings 0.2–50 microns (UV to far-IR) to demanding specifications for military, aerospace, medical and telecommunication applications. In-house services include design, optical and mechanical fabrication, photolithography processing, component subassembly and MIL-SPEC environmental testing.

**RF Precision Products**

(div of RF Industries), 7610 Miramar Rd, San Diego, CA 92126, 858-549-6340, rfp2@rfindustries.com, www.rfp2.com  
Designs and manufactures precision grade, high-frequency connectors and adapters for OEM, military and metrology lab applications.

**RGB Spectrum**

950 Marina Village Pkwy, Alameda, CA 94501, 510-814-7000, sales@rgb.com, www.rgb.com  
Provides display processing, recording, and signal distribution solutions, specializing in command-and-control, simulation, and training. Products include multiviewers, multiscreen display processors, JPEG 2000 codecs and recorders, DVI matrix switches, and scan converters.

**Ridgetop Group Inc**

3580 W Ina Rd, Tucson, AZ 85741, 520-742-3300, information@ridgegroup.com, www.ridgegroup.com  
Provides advanced electronic prognostics and health management (PHM) solutions, semiconductor IP blocks, and built-in self-test (BIST) solutions for critical applications. The company has a proven library of IP cores and board-level solutions for optimized integrated subsystems and systems.

**Rigel Engineering LLC**

1690 S Tropical Trail, Merritt Island, FL 32952, 321-499-2536, sales@rigel-eng.com, www.rigel-eng.com  
Fills the void between a customer's need of a quality electronic product and the high cost that is usually associated with such items. Believes the customer is entitled to a quality product at low cost with great long-term customer support.

**Rittal Corp**

425 N Martingale Rd, Suite 400, Schaumburg, IL 60173, 937-399-0500, customerservice@ittal-corp.com, www.ittal.us  
Manufactures industrial and IT enclosures, racks, and accessories, including climate control and power management systems for industrial, data center, outdoor, and hybrid applications. The company's RimatriX5 family of data center infrastructure products employs flexible and scalable modular designs and award-winning technologies to meet practically any size or type of need.

# VENDOR DIRECTORY

## Rochester Electronics

16 Malcolm Hoyt Dr, Newburyport, MA 01950, 978-462-9332, sales@rocelec.com, www.rocelec.com

Manufactures and distributes discontinued semiconductors. Is authorized by over 40 leading semiconductor manufacturers. Purchases all remaining finished devices, wafer/die and available intellectual property. All products are 100% manufacturer traceable and certified. Product offering includes more than five billion finished devices, ten billion die and over 20,000 continuing manufacturing device types.

## Rockwell Collins

1822 Deere Ave, Irvine, CA 92606, 949-221-5329, www.rockwellcollins.com

Provides innovative vision, optical, and soldier systems solutions for the military, aerospace, professional, medical, and training/simulation communities.

## rodatronic GmbH

(div of roda MilDef GmbH), Gewerbeplatz BWB 29, Bruckmühl D-83052, Germany, 49-8062-7268-0, info@rodatronic.com, www.rodatronic.com

Designs and manufactures all kinds of power supplies, DC/DC-converters and battery chargers for harsh environments, mobile equipment and military applications. The range is from low power up to high power with several k watts and/or 100 amps. Company holds ISO 9001-quality approval.

## Ronco

267 N Rivermede Rd, Concord, ON L4K 3N7, Canada, 905-660-6700, info@ronco.ca, www.ronco.ca

Provides solutions for head, hand and body protection. The mission is to provide customers with consistent quality products that enhance user safety, confidence and productivity, at competitive prices.

## Rosco Vision Systems

90-21 144th Pl, Jamaica, NY 11435-4397, 800-227-2095, tony@roscommirrors.com, www.roscovision.com

Provides products that have been maximizing automotive safety and preventing accidents for over 100 years. Supplies backup camera systems, mirrors, visors, and other visual safety solutions.

## Ross Engineering Corp

540 Westchester Dr, Campbell, CA 95008, 408-377-4621, info@rossengineeringcorp.com, www.rossengineeringcorp.com

Designs, tests, and manufactures high-voltage control, measurement, and safety devices for electronic, lab, industrial, and military industries. Is ISO 9001:2008 QMS and ISO/IEC 17025:2005 certified and accredited high-voltage calibration.

## Rotronic Instrument Corp

135 Engineers Rd, Hauppauge, NY 11788, 631-427-3898, rose@rotronic-usa.com, www.rotronic-usa.com

Manufactures and distributes high-precision humidity and temperature instruments for measurement of RH, dew point and moisture in industrial process and meteorological applications, as well HVAC instrumentation for precision measurements in semiconductor fabrication and specialized pharmaceutical areas. Provides quality service to Canada, the US, and Mexico.

## Royal Aeronautical Society

4 Hamilton Pl, London W1J 7BQ, UK, 44-20-7670-4345, raes@aerosociety.com, www.aerosociety.com

Is a world professional body dedicated to the entire aerospace community. It exists to further the advancement of aeronautical art, science and engineering.

## RPMC Lasers Inc

203 Joseph St, O'Fallon, MO 63366, 636-272-7227, rpmc@rpmlasers.com, www.rpmlasers.com

Offers 1500 DPSS lasers, lamp lasers, fiber lasers and diode lasers. Provides, ultrafast, picosecond, nanosecond, cw MIL-SPEC/standard and custom laser designs including eyesafe, MWIR, SWIR, and FIR. Illuminators, designation, ladar, lidar, range finding, PIV, R&D and much more available. Custom lasers can be designed as well.

## RTD Embedded Technologies

103 Innovation Blvd, State College, PA 16803,

814-234-8087, sales@rtd.com, www.rtd.com

Specializes in the research, design, and manufacturing of highly reliable, innovative, rugged, and modular computer boards and systems with emphasis on the PC/104, PC/104-Plus, PCI-104, PCI/104-Express, PCIe/104, desktop, and 19-inch rack specifications.

## RUD Chain Inc

(sub of RUD Ketten), 840 N 20th Ave, PO Box 367, Hiawatha, IA 52233, 800-553-7993, sales@rudchain.com, www.rudchain.com

Specializes in providing highly-engineered solutions for standard and special applications for all load securing systems, lifting equipment, non-skid chains and technical and logistics support by land, air and sea, delivering high-performance chain products to suit the most demanding industrial and military applications.

## RWC Testing & Lab Supplies

1821 N Zaragoza Rd, PMB 640, El Paso, TX 79936, 915-852-3375, customerservice@rwctesting.com, www.rwctesting.com

Distributes many laboratory and measuring instruments, including tachometers, stroboscopes, ultrasonic wall thickness gauges, pH meters, conductivity meters, turbidity meters, oxygen meters, refractometers, tension meters, wall mount/portable gas detectors and more. Industries served include the scientific, industrial, military and commercial sectors as well as educational institutions.

## Sabritec

Smiths Interconnect Div, (div of Smiths Group), 17550 Gillette Ave, Irvine, CA 92614, 949-250-1244, customerservice@sabritec.com, www.sabritec.com

Specializes in the design and manufacture of filter connectors, Fibre Channel, Ethernet, IEEE 1394 FireWire, electro-optic, coaxial, and triax connectors and contacts. Designs customized interconnect solutions for unique applications/programs.

## Sabtech

23231 La Palma Ave, Yorba Linda, CA 92887, 714-692-3800, sales@sabtech.com, www.sabtech.com

Provides military forces worldwide COTS solutions for C5ISR including custom chip sets, board level products and software for combat systems. Experts at bridging legacy systems with solid-state technology, designs FPGAs and ASICs as well as payload and data I/O solutions for NTDS, Ethernet, 1553 and other protocols.

## Sacher Lasertechnik GmbH

Rudolf Breitscheid Str 1-5, Marburg D-35037, Germany, 49-6421-305-290, contact@sacher-laser.com, www.sacher-laser.com

Manufactures high-power tunable external-cavity laser diodes in Littman and Littrow configuration, wavelength range 375–1800 nm, power <1000 mW for applications in absorption spectroscopy, cooling, and trapping, and Raman spectroscopy. All key technologies like patented cavity design, patented AR-coating (R<5E-5) for laser diodes and low-noise electronics are available.

## Sacher Lasertechnik LLC

5765 Ecuador Way, Buena Park, CA 90620, 714-670-7605, sales@sacher.us, www.sacher-laser.com

Manufactures high-power tunable external-cavity laser diodes in Littman and Littrow configuration, wavelength range 375–1800 nm, power <1000 mW for applications in absorption spectroscopy, cooling, and trapping, and Raman spectroscopy. All key technologies like patented cavity design, patented AR-coating (R<5E-5) for laser diodes and low-noise electronics are available.

## Saelig Co Inc

71 Perinton Pkwy, Fairport, NY 14450, 585-385-1750, sales@saelig.com, www.saelig.com Operates as a sales and marketing agent and distributor for more than 100 manufacturers. Provides test equipment and components from entry-level to premium specification economical oscilloscopes, PC and RF spectrum analyzers, USB and logic analyzers, waveform generators, digital pattern generators, pure RF sources, DMMs, and wireless and wired data loggers.

**Sandel Avionics**

2401 Dogwood Way, Vista, CA 92081,  
760-727-4900, sales@sandel.com,  
[www.sandel.com](http://www.sandel.com)

Manufactures ruggedized cockpit displays for rugged fixed wing and rotorcraft applications. Products include primary navigation and attitude displays. Terrain awareness and warning systems (TAWS), HeliTAWS and AHRS. Options include TACAN display and NVIS compatibility.

**San Francisco Circuits**

1660 S Amphlett Blvd, #200, San Mateo, CA 94402,  
[info@sfcircuits.com](http://info@sfcircuits.com), [www.sfcircuits.com](http://www.sfcircuits.com)

Provides a unique one-stop solution for all military (MIL-SPEC) and aerospace PCB services including design, fabrication and assembly.

**Santa Barbara Infrared Inc**

30 S Calle Cesar Chavez, Suite D, Santa Barbara, CA 93103, 805-965-3858, [sales@sbir.com](mailto:sales@sbir.com),  
[www.sbir.com](http://www.sbir.com)

Designs and manufactures technologically advanced test instrumentation used to test, calibrate and validate the performance of infrared (IR) and electro-optical (E-O) sensor components and systems.

**SAP Americas Inc**

3999 W Chester Pkwy, Newton Square, PA 19073,  
610-661-1000, [pam.jeffries@sap.com](mailto:pam.jeffries@sap.com),  
[www.sap.com](http://www.sap.com)

Provides software for aerospace and defense that quickly adapts to industry challenges such as globalization, market volatility, and shrinking budgets. Whether a defense contractor or an airframe manufacturer, the company can help ensure organizations have the agility and technology needed to fuel tomorrow's innovation today.

**SEAKR Engineering Inc**

6221 S Racine Cir, Centennial, CO 80111-6427,  
303-790-8499, [r2@seakr.com](mailto:r2@seakr.com), [www.seakr.com](http://www.seakr.com)  
Develops solid-state storage solutions, offering high-performance and reliability for the user community. Corporate experience spans over 20 years, delivering more than 1200 data storage and processing systems to the US government and foreign service customers.

**Sealcon LLC**

7374 S Eagle St, Centennial, CO 80112-4240,  
303-699-1135, [info@sealconusa.com](mailto:info@sealconusa.com),  
[www.sealconusa.com](http://www.sealconusa.com)

Provides customers with cable and wire management solutions. Offers RoHS/Deca BDE, liquid tight strain relief, cord grips, explosion proof, hazardous areas cable glands, (ATEX, EX-e, EX-D, IECEx) circular connectors (M16, M23, M27, M40, RJ45), industrial enclosures (plastic and metal), conduit systems, UL, UR, CSA, VDE, CE, and more.

**SeaLevel Systems**

2779 Greenville Hwy, PO Box 830, Liberty, SC 29657, 864-843-4343, [sales@sealevel.com](mailto:sales@sealevel.com),  
[www.sealevel.com](http://www.sealevel.com)

Manufactures sync/async communication products and industrial computers. Produces products in America for military, government, and commercial customers. Forte is using in-house engineering skills to create custom adaptations of COTS product lines for military and government projects.

**Sealing Devices Inc**

4400 Walden Ave, Lancaster, NY 14086,  
716-684-7600, [seals@sealingdevices.com](mailto:seals@sealingdevices.com),  
[www.sealingdevices.com](http://www.sealingdevices.com)

Manufactures molded rubber parts. Offers fabrication conversion of seals, gaskets, o-rings, EMI shielding, sponge, vents, tapes, adhesives and sealants for mil-aero applications.

**Semicoa Corp**

333 McCormick Ave, Costa Mesa, CA 92626,  
714-979-1900, [jpark@semicoa.com](mailto:jpark@semicoa.com),  
[www.semicoa.com](http://www.semicoa.com)

Provides expertise in the design, development and manufacturing of discrete semiconductors and bipolar diodes for high-reliability space, military and commercial markets.

**SENER**

c/ Severo Ochoa 4, Parque Tecnologico de Madrid,  
Tres Cantos, Madrid 28760, Spain,  
34-91-807-7318, [info@sener.es](mailto:info@sener.es),  
[www.sener-group.com](http://www.sener-group.com)

Offers cutting-edge technological solutions in engineering and construction, energy and environment, and aeronautics, where the company is present in consortiums such as ITP (aeronautical engines, gas turbines). Also is a benchmark engineering company in the aerospace sector, among others.

**Sensitron Semiconductor**

(div of RSM Electron Power Inc), 221 W Industry Ct,  
Deer Park, NY 11729-4681, 631-586-7600,  
[sales@sensitron.com](mailto:sales@sensitron.com), [www.sensitron.com](http://www.sensitron.com)

Manufactures high-reliability power electronic solutions including motor controllers, smart power management and conversion, diodes and voltage protection components and embedded boards. Has over 40 years of serving the complete spectrum of reliability markets including space, aerospace, medical and defense. Is JAN qualified, AS9100 registered and ISO 9001:2000.

**Sensoray Co Inc**

7313 SW Tech Center Dr, Tigard, OR 97223,  
503-684-8005, [sales@sensoray.com](mailto:sales@sensoray.com),  
[www.sensoray.com](http://www.sensoray.com)

Specializes in the development of custom OEM embedded electronics for industrial, aerospace, defense, medical and security applications. Products include a range of video capture, data acquisition and machine control for platforms including Ethernet, USB, PC/104, PCI and PCI Express. Offers drivers for Windows or Linux, and live technical support.

**Sensor Developments Inc**

1050 W Silver Bell Rd, PO Box 290, Lake Orion, MI 48359, 248-391-3000, [sales@sensdev.com](mailto:sales@sensdev.com),  
[www.sensdev.com](http://www.sensdev.com)

Designs and manufactures strain gaged based force and torque sensors, instruments and complete test systems. Products are used in a wide range of industries and applications, including automotive, aerospace, medical, nuclear, agricultural and many others. ISO 17025 certified calibrations for any force and torque sensors available.

**Sensors Unlimited - UTC Aerospace Systems**

330 Carter Rd, Suite 100, Princeton, NJ 08540,  
609-333-8200, [sui\\_sales@utas.utc.com](mailto:sui_sales@utas.utc.com),  
[www.sensorsinc.com](http://www.sensorsinc.com)

Manufactures near-IR (NIR) and shortwave IR (SWIR) cameras (available fully packaged or as OEM imaging modules), linear arrays, high-speed detectors and III-V 4-inch wafer foundry services. Sensor imaging products are indium gallium arsenide (InGaAs)-based, feature easy integration, use standard glass optics and require no cooling.

**SensUp**

11 Rue du Clos Courtel, Rennes 35000, France,  
33-2-99-54-89-78, [www.sensup-tech.com](http://www.sensup-tech.com)

Designs and manufactures OEM (original equipment manufacturer) optical systems based on laser technology. Products and applications include laser rangefinders for medium- and long-range targets distance measurement and lidar systems for localization, obstacle detection and avoidance.

**Servometer**

501 Little Falls Rd, Cedar Grove, NJ 07009-1291,  
973-785-4630, [info@servometer.com](mailto:info@servometer.com),  
[www.servometer.com](http://www.servometer.com)

Designs and manufactures custom electrodeposited miniature metal bellows, bellows assemblies, bellows-type flexible shaft couplings, gold plated bellows contacts, and light weight, structurally rigid electro forms in various sizes. Bellows are flexible, leak tight, and can be used as springs and flexible seals in long-life applications.

**SHF Communication Technologies AG**

Wilhelm-von-Siemens Str 23D, Berlin 12277,  
Germany, 49-30-7720510, [sales@shf.de](mailto:sales@shf.de),  
[www.shf.de](http://www.shf.de)

Specializes in 100G bit error test (BERT) systems, optical transmitters and receivers, ultra broadband RF amplifier design as well as passive components.

**Shields Co**

PO Box 1572, Ventura, CA 93002, 805-642-4408,  
[marketing@shieldscompany.com](mailto:marketing@shieldscompany.com),  
[www.shieldscompany.com](http://www.shieldscompany.com)

Manufactures high quality magnetic sweepers and lifting equipment in the US. Products are ideal for use on flightlines, runways, aircraft carrier decks and airfields. These magnets have been proven to reduce foreign object debris incidents by as much as 75%.

# VENDOR DIRECTORY

## SIE Computing Solutions Inc

10 Mupac Dr, Brockton, MA 02301, 508-588-6110, pr@sie-cs.com, www.sie-cs.com

Engineers, designs and manufactures custom products which support open architectures such as VME, VXS, VPX, CompactPCI, AdvancedTCA, MicroTCA, and small form factors. Products include enclosures, high-speed backplanes and embedded computer systems. System integration expertise provides customers with complete, fully tested and certified systems.

## Sierra Olympic Technologies Inc (SOTI)

(sub of Hood Tech Corp) (div of Vision Inc), 3100 Cascade Ave, Hood River, OR 97031, 425-445-8884, chris@sierraolympic.com, www.sierraolympic.com

Offers advanced infrared imaging components and technologies for commercial, military, government, and OEM customers. Supports products from the industry's leading manufacturers and technology developers, with a consistent dedication to quality and expert service in advanced focal plane array technologies.

## Signal Technology

(div of Crane Aerospace & Electronics) (sub of Crane Co), 340 N Roosevelt Ave, Chandler, AZ 85226, 480-961-6269, mw@crane-eg.com, www.craneae.com/mw

Develops state-of-the-art electronic components, subsystems and system solutions for critical defense and space applications. Manufactures RF, microwave and millimeter wave products for military communications networks/systems related to EW, precision guidance, radar and ISR. When failure is not an option, partner with a trusted market leader in critical applications.

## Signet FPD Inc

75 Columbia, Irvine, CA 92656, 949-380-3031, sales@signetfpd.com, www.signetfpd.com Offers value-added design and integration services for custom LCD systems, open frames, LCD controller boards, touch panel assembly, LCD performance enhancements (optical bonding, optical filters, high brightness), and digital signage solutions. Has manufacturing facilities in the US, Korea, and China.

## Simlat Ltd

103 Medinat HaYehudim St, Herzliya 46131, Israel, 972-9-951-7675, info@simlat.com, www.simlat.com Provides next generation training solutions for unmanned vehicle systems and for intelligence, surveillance and reconnaissance (ISR). Systems are available as stand-alone or embedded/integrated to legacy control stations, as well as generic or customized solutions, and are in service in over 20 countries.

## Six Sigma

(sub of Winslow Automation), 905 Montague Expwy, Milpitas, CA 95035, 408-956-0100, sales@solderguik.com, www.sixsigmaservices.com Offers backend semiconductor subcontract services including solder column attach, hot solder dipping, lead finish conversion (eutectic to lead-free and vice versa), solderability testing, solderability failure analysis, solderability restoration, seal testing, BGA ball attach/reballing, and failure analysis, using SEM/EDS and XRF technologies.

## Smiths Connectors

16 Brent Dr, Hudson, MA 01749, 978-568-0451, info@smithsconnectors.com, www.smithsconnectors.com

Supplies interconnect solutions for the most demanding applications requiring superior quality, performance, and reliability. The technology delivers unfailing performance in high-reliability applications. Offers a variety of connector solutions, including cable assemblies, custom design and engineering services, and application support.

## Smitties Lights and Sirens

16 Lardner Burke St, Casandra, Kimberley 8301, South Africa, 27-8327-25886, smitties911@gmail.com, www.smitties911.co.za

Supplies of state-of-the-art LED light bars, sirens, strobe lights, strobe light bars and various other emergency scene equipment.

## Solitron Devices Inc

3301 Electronics Way, Suit C, West Palm Beach, FL 33407, 561-848-4311, sales@solitrondevices.com, www.solitrondevices.com

Manufactures power semiconductors, Darlington transistors, power rectifiers, power MOSFETs, IGBTs, UJT, power hybrids, voltage regulators, SMD voltage regulators, DC/DC converters, Schottky rectifiers, fast recovery diodes, motor controllers and drivers, small signal J-fets, semiconductor dies, and multichip power assemblies.

## SOURIAU

(sub of Esterline), 25 Grumbacher Rd, York, PA 17406, 717-767-6705, tech@souriau.com, www.souriau.com

Designs and manufactures high-performance, high-reliability interconnect solutions for severe environments dedicated to the aerospace, defense/space, and industrial equipment markets. Committed to environmental protection with manufacturing sites following ISO 14001 and RoHS guidelines. Is now the Connection Technology platform of the Esterline Group.

## SpaceAge Control Inc

38850 20th St E, Palmdale, CA 93550, 661-273-3000, email@spaceagecontrol.com, www.spaceagecontrol.com

Provides 3-D displacement transducers.

## Space Micro Inc

10237 Flanders Ct, San Diego, CA 92121, 858-332-0700, mgt@spacemicro.com, www.spacemicro.com

Provides radiation hardened by design solutions for advanced electronic systems and microelectronics. Is completing research in design solutions for single event effects (SEE) in microelectronics, plus methods for improving single event effects performance of high-performance space computers for several companies and government agencies.

## Space Photonics Inc

700 W Research Center Blvd, Fayetteville, AR 72701, 479-856-6353, cchalfant@spacephotonics.com, www.spacephotonics.com

Specializes in optical communications and networking systems and anti-tamper technologies for military, aerospace, commercial communications, and space applications. As an industry leader in space-qualified fiber optics, optoelectronics, and free space optics, the company has successfully transitioned these technologies to terrestrial deployments suitable for radiation-tolerant and congested communications environments.

## Sparton Complex Systems

(div of Sparton Corp), 30167 Power Line Rd, Brooksville, FL 34602, 352-650-2695, chanson@sparton.com, www.sparton.com

Provides electronics manufacturing services for aerospace and defense. Multiple facilities in the US and overseas provide both secure domestic manufacturing and test as well as lower cost country options for non-ITAR regulated products. Services include hardware design, prototyping, printed circuit board and box build assembly, functional and environmental testing.

## Specialised Imaging Inc

41690 Enterprise Cir N, Suite 104, Temecula, CA 92590, 951-693-2148, frank@specialised-imaging.com, www.specialised-imaging.com

Manufactures ultra high-speed framing cameras, ultra high-speed video cameras, streak cameras, intensifiers and trajectory tracker flight follower systems.

## Spectracom

1565 Jefferson Rd, Suite 460, Rochester, NY 14623, 585-321-5800, sales@spectracomcorp.com, www.spectracomcorp.com

Supports mission-critical communications systems with precise and reliable time and frequency synchronization and test solutions. Offers a comprehensive portfolio of solutions including precision time transfer over networks, clock synchronization, frequency analysis, testing GPS-enabled systems, and more, including full turnkey synchronization systems to meet specific requirements.

**Speel Praha Ltd**

Beranovych 130, Prague 19905, Czech Republic, 420-286-923-619, larbi.ouchelouche@speel.cz, www.speel.cz

Offers avionics systems, including aircraft monitoring systems, crash-protected solid-state flight data/cockpit voice recorders, airborne video recorders, airborne mission computers, and air data computers, ground support equipment (HW/SW), and HUMS modernization programs for Mi-17 and Mi-24 helicopters.

**SPI Lasers UK Ltd**

6 Wellington Pk, Hedge End, Southampton SO30 2QU, UK, 44-1489-779-696, sales@spilasers.com, www.spilasers.com

Allows welding, cutting, marking and micro-machining operations to be carried out faster and more accurately with better reliability, less waste and improved productivity.

**S-Products Inc**

141 Kings Hwy E, Fairfield, CT 06825, 203-331-9546, s-products@usa.net, www.s-products.com

Develops, manufactures, and ships quality electronic products including transmitters, panel-process indicators, mineral insulated thermocouple and heating cable and printed circuit boards.

**SRI International Sarnoff**

Products & Services Div, 201 Washington Rd, Princeton, NJ 08540, 609-734-2553, info@sri.com, www.sri.com/products

Delivers advanced situational awareness and persistent surveillance capabilities, including real-time video processing, multi-spectral image fusion, and low-light imaging. Products enable next generation day/night vision systems such as goggles, unmanned air/ground vehicles, and surveillance platforms. CCD and CMOS sensors incorporate high-resolution and sensitivity in the visible/NIR, low noise, and low SWaP.

**StacoSystems**

7 Morgan, Irvine, CA 92618, 949-297-8700, sales@stacosystems.com, www.stacosystems.com

Provides LED push button display switches and control solutions, subsystems, and rugged keyboards and keypads for commercial, military, and avionics applications worldwide.

**Stanford Photonics Inc**

1032 Elwell Ct, Suite 104, Palo Alto, CA 94303, 650-969-5991, info@stanfordphotonics.com, www.stanfordphotonics.com

Provides leading-edge electronic imaging equipment including low-light ICCD, ICMOS, sCMOS, CMOS and CCD cameras, light tight chambers, and photonics technology for critical applications requiring expertly designed systems since 1989.

**Statek Corp**

512 N Main St, Orange, CA 92868, 714-639-7810, sales@statek.com, www.statek.com

Manufactures ultra-miniature quartz crystals, oscillators, and sensors for numerous military and aerospace applications. Standardized and custom products are available in frequencies from 1 Hz to 250+ MHz and can be used in low-current, high-shock, and high-vibration applications. High-temperature oscillators are also available.

**Steritool Inc**

2376 Lake Shore Blvd, Jacksonville, FL 32210, 904-388-3672, steritool@steritool.com, www.steritool.com

Manufactures over 3000 magnetic and non-magnetic stainless steel hand tools. Custom tools in any material are available. Email or fax drawings or specifications. Offers inch and metric in sizes from 0.028" to 6" sockets. Expedited delivery available. Made in the US with full material certifications available for all tools.

**STG Aerospace**

Ecotech Innovation Business Pk, Swaffham, Norfolk PE37 7XD, UK, 44-1760-723-232, info@stgaerospace.com, www.stgaerospace.com

Offers SaftGlo photoluminescent floorpath marking systems that are fitted to over 8000 aircraft worldwide and supplied as OEM to Boeing, Embraer, Goodrich Lighting, Fokker and BAE Systems.

**Stock-Point Electronics Inc**

9576 Topanga Canyon Blvd, Chatsworth, CA 91311-4011, 818-718-4100, www.stock-point.com

Distributes all board level components. Specializes in obsolete material. Leaded product in stock as well as RoHS compliant. MIL-SPEC, industrial and commercial specification products available.

**Strataplex Inc**

20 E Main St, Suite 18, Los Gatos, CA 95030, 925-206-0433, info@strataplexinc.com, www.strataplexinc.com

Provides consulting with a specific emphasis in telecommunications, data communications, optical networking systems and the semiconductor markets.

**StratoPak Inc**

4094 Majestic 365, Fairfax, VA 22033, 703-599-5421, info@stratopak.com, www.stratopak.com

Manufactures ruggedized aluminum electronic packages targeted for hi-rel defense, space, and marine communications applications. The precision CNC machined products are available 'off-the-shelf' with or without connectors and hardware or can be custom ordered to address customer's specific packaging requirements.

**Sundance Multiprocessor Technology Ltd**

Chiltern House Waterside, Chesham, Bucks HP5 1PS, UK, 44-1494-793-167, sales@sundance.com, www.sundance.com

Designs, manufactures, and tests complete DSP subsystems for use in any signal-processing application. Offers TI DSP, Xilinx FPGA, and Analog Devices DAQ products. Is ISO 9001:2000 registered.

**Sunkye**

Unit 4/7F Bright Way Tower, 33 Mong Kok Rd KL, Hong Kong, 852-6948-6797, sales@sunkye.com, www.sunkye.com

Manufactures and supplies connectors, such as military, aerospace, medical, RF coaxial, sealed, nano D, backplane connectors and other military standard connectors. Provides leading edge solutions.

**SuperCircuits**

11000 N Mopac Exwy, Bldg 300, Austin, TX 78759, 512-778-6950, info@supercircuits.com, www.supercircuits.com

**Superior Essex International LP**

6120 Powers Ferry Rd, Suite 150, Atlanta, GA 30339, 770-657-6000, www.superioressex.com

Designs, manufactures and supplies cable and wire products, as well as cable hardware products. Sold into more than 50 countries, the products are integral to the operation of large and small communications networks around the world.

**SuperPower Inc**

450 Duane Ave, Schenectady, NY 12304, 518-346-1414, info@superpower-inc.com, www.superpower-inc.com

Manufactures second-generation (2G) high-temperature superconductor (HTS) wire that operates at LN2 temperatures. 2G HTS-based devices provide important advantages (energy efficiency, high engineering current density, reduced size and weight, and environmental friendliness) over copper-based systems for applications in energy technologies, industry, transportation, military, space, science and research.

**Surface Mount Technology Corp**

5660 Technology Cir, Appleton, WI 54914, 920-954-8324, sales@teamsmt.com, www.teamsmt.com

Provides electronic product development and contract manufacturing. Serves industrial controls, military (high reliability), medical and automotive markets, by providing integrated electronic product development and manufacturing services and solutions to improve product time to market. Offers a complete menu of services, including product design, assembly, prototyping, assembly and test solutions.

**Surface Optics Corp**

11555 Rancho Bernardo Rd, San Diego, CA 92127, 858-675-7404, soc@surfaceoptics.com, www.surfaceoptics.com/products/hyperspectral-imaging

Offers a single engineering and manufacturing source for the characterization, control, and exploitation of the optical properties of surfaces. For over 35 years, the company has provided hemispherical and bidirectional reflectance measurement services, custom instrument engineering services, analytical software, hyperspectral and multispectral imagers, and reflectometers.

# VENDOR DIRECTORY

## SurplusEQ.com Inc

329 W Melinda Ln, Phoenix, AZ 85027,  
623-581-9777, info@surpluseq.com,  
[www.surpluseq.com](http://www.surpluseq.com)

Buys, sells and trades high-technology equipment including fiber optics and optical test, electronic test equipment, communications, datacom, semiconductor manufacturing equipment and instruments, laboratory, biotech, medical, motions control and automation, robotics, and a wide range of other technology equipment and excess inventory from high-tech industries. Provides asset liquidation, and asset recovery.

## SwissOptic AG

Defense Div, (sub of Berliner Glas Group),  
Heinrich-Wild-Str, Heerbrugg, Kanton St Gallen  
CH 9435, Switzerland, 41-71-727-3074,  
[swissoptic@swissoptic.com](mailto:swissoptic@swissoptic.com), [www.swissoptic.com](http://www.swissoptic.com)  
Develops and produces demanding opto-mechanical and optronic systems to customer specifications from concept via prototypes through to volume production. The production, qualification and development standards are governed by the corresponding relevant military standards. The modern optical concepts are based on many years of pertinent experience.

## Switching Power Inc

3601 Veterans Hwy, Ronkonkoma, NY 11779,  
631-981-7231, sales@switchpwr.com,  
[www.switchpwr.com](http://www.switchpwr.com)

Manufactures custom and standard power supplies from 150–15,000W including a line of 1U, hot swap products. Vertical manufacturing includes SMT, automatic lead insertion, transformer winding, sheet metal fabrication and stress testing facilities. The facility is ISO 9001 and AS9100 registered.

## SynaptiCAD the Timing Diagram Co

Verilog and VHDL Design Div, 605 Alleghany St, Blacksburg, VA 24062-0608, 540-953-3390, sales@syncad.com, [www.syncad.com](http://www.syncad.com)  
Offers a line of VHDL and verilog model generation, simulation, and timing diagram visualization tools including VeriLogger Extreme verilog simulator, WaveFormer Pro waveform translator, TestBench Pro test generation, and Timing Diagrammer, a protiming diagram editor.

## Synopsys Inc

Optical Solutions Group Div, 400 Executive Blvd, Suite 100, Ossining, NY 10562, 914-488-6260, rsoft\_support@synopsys.com, <http://optics.synopsys.com/rsoft>  
Offers photonics design software for the optical communication, optoelectronics and semiconductor manufacturing industries. Provides design, optimization and planning tools within optical communications. Also provides design tools for optoelectronics components and subsystems, as well as electromagnetic modeling software for optical metrology and lithography. RSoft Design Group is now part of Synopsys.

## SynQor Inc

155 Swanson Rd, Boxborough, MA 01719-1316,  
978-849-0600, [power@synqor.com](mailto:power@synqor.com),  
[www.synqor.com](http://www.synqor.com)

Offers DC/DC power converters, EMI filters and AC/DC power supply conversion solution products designed to exceed the rigorous quality and performance requirements of today's leading-edge communications, computing, medical, industrial, and military applications. Designs and manufactures in US factories since 1997. Offers lowest total cost of ownership by providing unmatched reliability.

## Sypris Electronics LLC

(sub of Sypris Solutions), 10901 N McKinley Dr, Tampa, FL 33612, 813-972-6000, [info@sypriselectronics.com](mailto:info@sypriselectronics.com), [www.sypriselectronics.com](http://www.sypriselectronics.com)

Is a global security company that leverages its unique Government Type 1 development heritage to provide high assurance encryption systems and products, engineering services and electronic manufacturing capabilities. Products and services include RASKL (KIK-30), cyber training range, silicon-based identity management, and secure Android hand-held devices.

## SYSGO

Am Pfaffensteine 14, Klein-Winternheim 55270, Germany, 49-6136-99480, [info@sysgo.com](mailto:info@sysgo.com), [www.sysgo.com](http://www.sysgo.com)

Provides OS technology, middleware, and software services for the real-time and embedded market. The SSV (safe and secure virtualization) platform PikeOS (a paravirtualization OS, built upon a small, fast, and safe microkernel) supports the coexistence of independent OS personalities on a single platform, including the embedded Linux distribution ELinOS.

## Systel Inc

1655 Industrial Blvd, Sugar Land, TX 77478, 888-645-8400, [sales@systelusa.com](mailto:sales@systelusa.com), [www.systelusa.com](http://www.systelusa.com)

Designs and provides system integration of both COTS and custom rugged industrial computers, embedded systems, rack-mount servers, wall-mount servers, rugged industrial LCD displays and advanced TCA/CompactPCI platforms. The industrial systems are deployed worldwide in defense, mining, oil and gas, automation, telecommunications and OEM industries.

## Taconic

Advanced Dielectric Div, 136 Coonbrook Rd, Pittsburgh, NY 12138, 518-658-3202, [addinfo@taconic.com](mailto:addinfo@taconic.com), [www.taconic-add.com](http://www.taconic-add.com)

Offers high-frequency laminates and preprints for antennas, power amplifiers, multi-layer RF and high-speed digital boards. Unique materials include fastRise fiberglass-free prepreg, RF-35TC high-thermal conductivity laminate and TSM-DS/DS3 low-loss laminate.

## Tapeswitch Corp

100 Schmitt Blvd, Farmingdale, NY 11735, 800-234-8273, [sales@tapeswitch.com](mailto:sales@tapeswitch.com), [www.tapeswitch.com](http://www.tapeswitch.com)

Manufactures and offers pressure sensitive switches, emergency stop safety edges, safety mats for presence detection, sensing bumpers for collision avoidance, safety light curtains, laser scanners for optical guarding, access control and machine guarding noncontact interlocks (monitoring) and power isolation and access trapped key interlocks (lock out).

## TASC Technical & Assembly Services Corp

2222 N Pacific St, Seattle, WA 98103, 206-682-2967, [mhirst@tasc-wa.com](mailto:mhirst@tasc-wa.com), [www.tasc-wa.com](http://www.tasc-wa.com)

Offers subcontract electronics manufacturing specializing in circuit board assembly, cables, wire harnesses, box builds-through hole and surface mount capabilities. Provides prototypes, troubleshooting and repair, design and development. The services are geared towards the aerospace industry (electronics assembly), entrepreneurs, inventors and original equipment manufacturers. Offers consignment or turnkey.

## Tata Technologies Ltd

41050 W 11 Mile Rd, Novi, MI 48375, 248-426-1482, [www.tatatechnologies.com](http://www.tatatechnologies.com)

Combines a global network of innovation experts, program managers and highly skilled engineers for aircraft engineering, design and consulting solutions.

## TDK-Lambda Americas

Low Power Div, (sub of TDK Corp), 3055 Del Sol Blvd, San Diego, CA 92154, 619-575-4400, [marcom@us.tdk-lambda.com](mailto:marcom@us.tdk-lambda.com), [www.us.tdk-lambda.com/lp](http://www.us.tdk-lambda.com/lp)

Designs and manufactures AC/DC power supplies and DC/DC converters. Provides standard, modified and custom power products ranging from 1–22,500W for applications in COTS/MIL/industrial and medical equipment.

## TDL Inc

300 Commerce Blvd, Quakertown, PA 18951, 303-941-3873, [info@tuliplabs.com](mailto:info@tuliplabs.com), [www.tuliplabs.com](http://www.tuliplabs.com)

Manufactures rugged military and commercial LCD displays, keyboards and bezels used on numerous platforms including ground mobile vehicles, rotary and fixed wing aircraft, shipboard, and commercial transit systems. A new 50,000 square foot facility is located in Quakertown, PA.

## TEAC Aerospace Technologies Inc

1 Cupania Cir, Monterey Park, CA 91755, 323-837-2708, [chunt@teacaerospace.com](mailto:chunt@teacaerospace.com), [www.teac-aerospace.com](http://www.teac-aerospace.com)

Manufactures computer products, digital recorders, and more.

**TEAL Electronics**

SL Industries Div, 10350 Sorrento Valley Rd, San Diego, CA 92121, 858-558-9000, info@teal.com, www.teal.com

Specializes in the design/manufacture of custom power subsystems for military and aerospace equipment. Customers rely on the company to isolate state-of-the-art electronics from damaging voltage/current transients, to convert world input voltages, to distribute AC/DC power, and to remotely monitor power with the TEALwatch power monitor.

**TeamEDA Inc**

50 Bridge St, Suite 304, Manchester, NH 03101, 603-656-5200, info@teameda.com, www.teameda.com

Provides a point solution, a scalable compute farm with integrated job scheduler, or a complete license management system with license inventory and vendor database, methodology training and implementation services.

**Technobox Inc**

154 Cooper Rd, Suite 901, West Berlin, NJ 08091-9112, 856-809-2306, info@technobox.com, www.technobox.com

Specializes in mezzanine I/O solutions and related carriers and adapters for engineering development and deployment. Offers a comprehensive assortment of modules including Async serial and digital I/O, SATA, SAS, Compact Flash, SSDs, and memory. Features a line of FPGA-based micro mezzanine system (MMS) solutions for rapid-development and future-proofing embedded system I/Os.

**Tech Products Inc**

105 Willow Ave, Staten Island, NY 10305, 718-442-4900, team@techproducts.com, www.techproducts.com

Provides identification products for the Armed Services, NASA and DEP since 1948. These products include electric cable markers, warning signs and storm drain markers. Manufactures all products in the US and provides an extensive, innovative and quality product line.

**TE Circuit Protection Products**

(div of TE Connectivity), 308 Constitution Dr, MS R21/2A, Menlo Park, CA 94025-1164, 650-361-2175, www.circuitprotection.com

Develops and manufactures circuit protection devices for a myriad of applications. The devices help provide overcurrent, overvoltage, ESD, thermal and hybrid protection.

**TECOM Industries Inc**

(div of Smiths Interconnect), 375 Conejo Ridge Ave, Thousand Oaks, CA 91361, 805-267-0100, sales@tecom-ind.com, www.tecom-ind.com

Designs and manufactures antennas and antenna systems for the aerospace, military, SATCOM, and commercial wireless markets. The company's expansive of field-proven antenna solutions includes embedded, phased array, data link, wrap-around, and broadband designs. Is ISO 9001, AS9100, 14001 and OHSAS 18000 certified.

**TE Connectivity**

MS 258-23, PO Box 3608, Harrisburg, PA 17105-3608, 800-522-6752, www.te.com

Designs and manufactures a range of connectors, rugged electro-optic components, and assemblies, RF products, wire, cable and components, custom harness assemblies, relays, contactors and power distribution units along with value-added assemblies for the aerospace, defense and marine industries.

**Tektronix Component Solutions**

2905 SW Hocken Ave, Beaverton, OR 97005, 503-627-4133, components@tektronix.com, www.component-solutions.tektronix.com

Provides high-performance microelectronics for military applications. Offers services and products including ASIC design, IC packaging, RF/microwave module development, high-speed data converters and component test, and has the expertise to deliver high-reliability microelectronics. Is a US-based, ITAR-registered and accredited trusted supplier.

**Teledyne Microelectronic Technologies**

12870 Panama St, Los Angeles, CA 90066, 310-574-2082, microelectronics@teledyne.com, www.teledynemicro.com

Specializes in complex microelectronic modules (MCMs) for the defense, space, aviation, and industrial markets. Offers a range of analysis, design, manufacturing and test capabilities for analog/digital, RF/microwave, optoelectronics, power, and secure modules. Certified MIL-PRF-38534 Class H and K DoD microelectronics trusted source for packaging, assembly and test.

**Teledyne Nova Sensors**

Teledyne Scientific & Imaging Div, 760 McMurray Rd, Buelton, CA 93427, 805-693-9600, louis.kilmer@teledyne.com, www.camerasbyteledyne.com

Develops and produces infrared cameras from NIR/SWIR to MWIR and in the long-wave infrared. Also designs and manufactures commercial and custom read-out circuits for low noise and high functionality.

**Teledyne Relays Europe**

(sub of Teledyne Technologies Inc), 9-13 Napier Rd, Wardpark N, Cumbernauld, Scotland G68 0EF, UK, 44-1236-733-700, sales\_europe@teledyne.com, www.teledyne-europe.com

Provides switching solutions with design, development, manufacturing, and test facilities. The lines of ultra miniature, hermetically sealed T05 and CentiGrid relays and coax switches support RF and microwave applications in the test, instrumentation, wireless, and communication markets, in addition to the traditional military, aviation, and space applications.

**Teledyne Relays US**

(sub of Teledyne Technologies Inc), 12525 Daphne Ave, Hawthorne, CA 90250-3384, 323-777-0077, relays@teledyne.com, www.teledynerelays.com

Provides switching solutions with design, development, manufacturing, and test facilities. The lines of ultra miniature, hermetically sealed T05 and CentiGrid relays and coax switches support RF and microwave applications in the test, instrumentation, wireless, and communication markets, in addition to the traditional military, aviation, and space applications.

**Teledyne Storm Microwave**

10221 Werch Dr, Woodridge, IL 60517, 630-754-3300, storm\_microwave@teledyne.com, www.teledynestorm.com

Manufactures flexible and semi-rigid microwave cable assemblies for domestic and international defense, radar, aerospace, test and measurement, and wireless markets. Catalog and customized 50 ohm coax products—including multi-channel harness assemblies—feature low-density PTFE dielectrics and time-tested, durable constructions addressing low/ultra low loss, phase stability, miniaturization, extra flex, and test requirements.

**Telesis Technologies Inc**

(sub of Tyden Group), 28181 River Dr, Circleville, OH 43113, 740-477-5000, inquiries@telesistech.com, www.telesis.com

Specializes in product identification and processing technologies. Provides a range of permanent and programmable DPSS, CO<sub>2</sub>, and fiber laser marking systems that are fast, reliable and durable.

**Telkonet Inc**

10200 W Innovation Dr, Suite 300, Milwaukee, WI 53226, 414-223-0473, sales@telkonet.com, www.telkonet.com

Delivers secure IP-over-powerline networking and intelligent energy management solutions. Provides government and military clients with FIPS 140-2 validated broadband networking solutions to seamlessly deploy, support, and maintain energy management systems for intermittently occupied spaces, high-speed data, voice, and video communications via wireless, wired, and in-building and shipboard electrical wiring.

**Telonic Instruments Ltd**

Toutley Industrial Estate, Wokingham RG41 1QN, UK, 44-118-978-6911, info@telonic.co.uk, www.telonic.co.uk

Is a specialist UK supplier of AC and DC power supplies for avionics power testing. This includes 400 Hz, 360-800 Hz frequency converters that test to military-standard and civil-standard RTCA/DO-160 and JIS W0812. The corresponding standard is MIL-STD-704F.

# VENDOR DIRECTORY

## Telops Inc

100-2600 Ave St Jean Baptiste, Quebec, QC G2E 6J5, Canada, 418-864-7808, [contact@telops.com](mailto:contact@telops.com), [www.telops.com](http://www.telops.com)

Supplies high-performance infrared cameras and hyperspectral imaging systems. Has developed the HD-IR 1280 high-definition scientific infrared camera, the FAST-IR 1500, the first 1500 FPS infrared camera, and the Hyper-Cam. These high-performance instruments help detect, identify and quantify remote substances previously invisible.

## Ten Tech LLC Engineering Services

100 Corporate Pointe, Suite 375, Culver City, CA 90230-7601, 424-704-3235, [info@tentechllc.com](mailto:info@tentechllc.com), [www.tentechllc.com](http://www.tentechllc.com)

Offers engineering consulting specializing in structural and thermal analysis services. The highly experienced engineering staff uses state-of-the-art computer aided engineering software to provide advanced analysis services, allowing accurate prediction and prevention of thermal and structural problems.

## Teradyne

600 Riverpark Dr, North Reading, MA 01864, 978-370-2700, [www.teradyne.com](http://www.teradyne.com)

Supplies commercial test equipment to defense and aerospace manufacturers, government depots, and support facilities worldwide. Products include high-performance functional test systems, PXI/VI subsystems and instruments, and TPS development and rehost software. Products address new requirements not supported by conventional equipment, and replace legacy systems, while preserving original investments.

## TESSCO Technologies

11126 McCormick Rd, Hunt Valley, MD 21031-1494, 800-472-7373, [www.tessco.com](http://www.tessco.com)

Provides integrated products plus supply chain solutions to professionals that design, build, run, maintain, or use wireless systems. Offers GSA and open-market products, both on-line and directly with dedicated GSA knowledgeable resources.

## Texas Instruments

Semiconductor Div, 12500 TI Blvd, Dallas, TX 75243, 214-480-1920, [www.ti.com/led](http://www.ti.com/led)

Produces DSPs, analog and mixed signal products, programmable and digital logic parts, and ASICs for the defense and aerospace industries. Also offers portfolios for enhanced plastic devices and QML Class V space products.

## ■ Themis Computer

47200 Bayside Pkwy, Fremont, CA 94538, 510-252-0870, [info@themis.com](mailto:info@themis.com), [www.themis.com](http://www.themis.com)

Provides hardware solutions including blade and rugged servers, embedded computing, and software solutions for mission-critical applications in the aerospace, military, and commercial markets. Open standard-based computing platforms support Linux, Microsoft Windows, and Sun Solaris operating environments. Products are designed to ensure high reliability and availability. (See ad page B68)

## Thermacore Inc

780 Eden Rd, Lancaster, PA 17601, 717-569-6551, [info@thermacore.com](mailto:info@thermacore.com), [www.thermacore.com](http://www.thermacore.com)  
Specializes in the custom design, development, and manufacturing of highly engineered thermal management solutions for a variety of OEM applications across a diversified set of global markets that includes military/aerospace, computer, communication, energy conversion, medical and test equipment.

## Thermax

(sub of Carlisle Interconnect Technologies), 100 Tensolite Dr, St Augustine, FL 32092, 661-295-3100, [sales.thermax@thermaxcdt.com](mailto:sales.thermax@thermaxcdt.com), [www.thermaxconnects.com](http://www.thermaxconnects.com)

Supplies high-performance hook-up, data and coaxial wire and cable for mission-critical applications for commercial aerospace, defense and industrial customers.

## Thermo Bond Buildings LLC

109 E Pleasant St, PO Box 445, Elk Point, SD 57025, 605-356-2090, [jon@thermobond.com](mailto:jon@thermobond.com), [www.thermobond.com](http://www.thermobond.com)

Manufactures prefabricated communication and substation shelters, shipped complete with lights, cable racking, air conditioners, grounding and more. Enclosures are custom designed to specifications.

## Thermocarbon Inc

391 Melody Ln, Casselberry, FL 32707, 407-834-7800, [info@dicing.com](mailto:info@dicing.com), [www.dicing.com](http://www.dicing.com)  
Manufactures resin bonded diamond blades, flanges, adapters and spacers for all makes of dicing saws. Also manufactures the TCAR684-1 high-precision dicing saw with SmartGrafix. Offers dicing solutions with free consultation, custom design services, research and development, and product samples. Product line also includes dresser plates, lapping systems and adhesives.

## Thermo Scientific - CIDTEC

(div of Thermo Fisher Scientific), 101 Commerce Blvd, Liverpool, NY 13088-4507, 315-451-9410, [tony.chapman@thermofisher.com](mailto:tony.chapman@thermofisher.com), [www.thermoscientific.com/cidtec](http://www.thermoscientific.com/cidtec)

Manufactures high-performance charge injection device (CID) cameras for demanding imaging applications in radiation environments and scientific imaging. Features include radiation hardened, wide dynamic range, random access and UV-NIR response. Formats include RS-170, CCR, intensified and slow scan. UV and X-ray deposition services also available.

## Thermoteknix Systems Ltd

Teknix House, 2 Pembroke Ave Waterbeach, Cambridge, Cambridgeshire CB25 9QR, UK, 44-1223-204-000, [sales@thermoteknix.com](mailto:sales@thermoteknix.com), [www.thermoteknix.com](http://www.thermoteknix.com)

Manufactures and supplies MicroCAM 2 OEM thermal imaging cores and engines. Includes miniature, ultra-lightweight, low-power shutterless (XTI) models with 384 x 288 or 640 x 480 resolution options and range of optics. Also manufactures TiCAM thermal imaging binoculars, ClipIR small clip-on thermal imagers for image intensifiers and more.

## Third Millennium Engineering

PO Box 867178, Plano, TX 75086-7178, 972-491-1132, [contact@tmeplano.com](mailto:contact@tmeplano.com), [www.tmeplano.com](http://www.tmeplano.com)

Supplies fiber-optic, microwave, RF, and other functional test equipment for performance testing of wafer, die, component, module, equipment, and system level products. Also provides product engineering, prototyping, short-run manufacturing, and consulting services to help get products working and to market on time.

## Timbercon

20245 SW 95th Ave, Tualatin, OR 97062, 503-827-8141, [www.timbercon.com](http://www.timbercon.com)

Manufactures an array of ruggedized connectivity solutions to the military and defense harsh environment industries. Pioneered multiple new proprietary products, many of which are now considered to be an industry benchmark.

## Times Microwave Systems

358 Hall Ave, Wallingford, CT 06492, 203-949-8400, [www.timesmicrowave.com](http://www.timesmicrowave.com)

Develops high-reliability coaxial cable assemblies for demanding interconnect applications. Products cover military-aerospace, shipboard, and commercial wireless applications and include high-performance flexible, semi-flexible and rigid coaxial cable assemblies and flexible 50 ohm LMR cables, connectors, and assemblies.

## TLC International

9849 N 21 Ave, Phoenix, AZ 85021-1825, 602-866-8208, [mlinden@tlcinternational.com](mailto:mlinden@tlcinternational.com), [www.tlcinternational.com](http://www.tlcinternational.com)

Manufactures Gen-3 TLC Phoenix-600 and TLC Summit Gen-5 high-accuracy glass cutting machines that utilize carbide/diamond wheels to singulate rectilinear, circular, and curvilinear parts from thin, flat single sheet/laminated substrates. Offers stationary stage, Windows/AutoCAD seamless interface and rotating cutting head with CCD camera for onstge measurement/inspection and quick, repeatable targeting.

## Toshiba Imaging Systems Div

(div of Toshiba America), 9740 Irvine Blvd, Irvine, CA 92618, 810-357-5022, [gary.pitre@tais.toshiba.com](mailto:gary.pitre@tais.toshiba.com), [www.toshibacameras.com](http://www.toshibacameras.com)

Specializes in high-definition (HD) and high-resolution video cameras for scientific, R&D, broadcast, and machine-vision applications. High-performance HDTV, 3-chip color and monochrome CCD and CMOS video cameras are available with small, remote heads, ultra-compact CCUs, and monitors for military, aerospace, industrial, broadcast, and scientific markets.

**Trenton Systems Inc**

2350 Centennial Dr, Gainesville, GA 30504,  
770-287-3100, sales@trentonsystems.com,  
[www.trentonsystems.com](http://www.trentonsystems.com)

Designs and manufactures rugged rackmount computers and MIL-STD-810 systems using both standard COTS as well as custom-designed single-board computers, long-life motherboards and backplanes. The US-built SBCs and motherboards are available in single- and dual-processor board versions that feature long-life multi-core Intel processors. Architectures supported include MicroATX, EATX and PICMG 1.3.

**Tri-M Systems and Engineering Inc**

101-1530 Kingsway Ave, Port Coquitlam, BC V3C 6N6, Canada, 604-945-9565,  
[sales@tri-m.com](mailto:sales@tri-m.com), [www.tri-m.com](http://www.tri-m.com)

Develops power solutions and single-board computers for embedded applications. Products can be found in a variety of industries including industrial controls and robotics, military and aerospace equipment, medical devices and advanced security products.

**Trion Technology**

2131 Sunnydale Blvd, Clearwater, FL 33765,  
727-461-1888, [info@triontech.com](mailto:info@triontech.com),  
[www.triontech.com](http://www.triontech.com)

Manufactures a wide variety of plasma etch, strip and deposition systems for the compound semiconductor, MEMS, optoelectronic and other markets. Offers small footprints, reliable systems, and affordable pricing. Products range from full-blown production cluster tools to a simple laboratory system.

**TTI Inc**

2441 Northeast Pkwy, Ft Worth, TX 76106-1816,  
817-740-9000, [information@ttiinc.com](mailto:information@ttiinc.com),  
[www.ttiinc.com](http://www.ttiinc.com)

Distributes passive, interconnect, electromechanical, circuit protection, magnetics, and discrete components. Products include resistors, capacitors, connectors, inductors, filters and frequency control, circuit breakers, sensors, switches, relays, terminal blocks, diodes, and wiring and cable accessories. Has more than 60 locations throughout North America, Europe, and Asia. Is AS9100B and ISO 9001:2000 registered.

**Twisted Pair Solutions Inc**

3131 Elliott Ave, Suite 200, Seattle, WA 98121,  
206-442-2101, [info@twistpair.com](mailto:info@twistpair.com),  
[www.twistpair.com](http://www.twistpair.com)

Provides mobile workforce communication solutions for secure, real-time collaboration on any device over any network in any location. The software is the standard communications platform used in critical situations by military, government and commercial organizations worldwide where serious, secure communications truly matter.

**u2t photonics AG**

Reuchlinstr 10/11, Berlin 10553, Germany,  
49-30-72611-3530, [sales@u2t.com](mailto:sales@u2t.com), [www.u2t.com](http://www.u2t.com)  
Supplies ultra high-speed optical detectors and receivers of up to 100 GHz. Provides mature technology to both test and measurement vendors as well as to the optical communications market for use in 40 Gbit/s applications.

**UAVDirect**

14365 A State Hwy, Liberty Hill, TX 78642,  
855-778-6363, [ops@uavdirect.com](mailto:ops@uavdirect.com),  
[www.uavdirect.com](http://www.uavdirect.com)

Provides unmanned aerial vehicles specifically designed for aerial photography, aerial cinematography and aerial surveillance. Products include UAV drone platforms, wireless transmitters, gimbals, and DJI phantom related products.

**Ultra Electronics EMS**

95 Horseblock Rd, Unit 2, Yaphank, NY 11980,  
631-345-6200, [www.ultra-ems.com](http://www.ultra-ems.com)

Manufactures defense electronic systems and products. Provides services and expertise in the field of magnetic and electric field countermeasures for naval mine warfare, sensor design and power conversion. The company has provided hundreds of magnetic silencing systems for the US government, as well as for many allies.

**Ultraview Corp**

808 Gilman St, Berkeley, CA 94710, 925-253-2960,  
[sales@ultraviewcorp.com](mailto:sales@ultraviewcorp.com), [www.ultraviewcorp.com](http://www.ultraviewcorp.com)  
Offers high-speed PCI and PCIe bus data acquisition boards that can acquire to 16 GBytes of analog data to 6 Giga samples/sec, while streaming to the host system at up to 1 GB/sec. A/D and D/A boards will run in any system under Linux, and Windows Vista/XP/7.

**United Electronic Industries Inc**

27 Renmar Ave, Walpole, MA 02081,  
508-921-4600, [info@ueidaq.com](mailto:info@ueidaq.com), [www.ueidaq.com](http://www.ueidaq.com)  
Provides DAQ and real-time control, with an extensive array of analog inputs, including temperature, strain and vibration, digital I/O plus CAN/Serial/ARINC-429/MIL-1553. The chassis offer high channel-density, 50g shock, 5g vibe and -40 to +85°C operation. Supports Windows, Linux and RTOSs programmed in LabVIEW, MATLAB, Simulink or any programming language.

**United Lens Co Inc**

259 Worcester St, Southbridge, MA 01550,  
508-765-5421, [info@unitedlens.com](mailto:info@unitedlens.com),  
[www.unitedlens.com](http://www.unitedlens.com)  
Manufactures hand-molded and precision machined optical blanks, polished flat and curve optics, and thin-film vacuum coatings. Extensive inventories of optical glass, fused silica, quartz, low expansion materials and filter glass for flexible production capabilities ensure both availability and timely delivery of customers' prototype to large annual production requirements.

**Vadatech Inc**

11540 S Eastern Ave, Henderson, NV 89052,  
702-896-3337, [info@vadatech.com](mailto:info@vadatech.com),  
[www.vadatech.com](http://www.vadatech.com)

Provides innovative embedded computing solutions from board-level products, chassis-level platforms, to configurable application-ready systems. With a focus on MicroTCA and AdvancedTCA solutions, offers unmatched product selection and expertise in the full xTCA ecosystem.

**Validated Software Corp**

6848 Embarcadero Ln, Carlsbad, CA 92011,  
760-230-5293, [info@validatedsoftware.com](mailto:info@validatedsoftware.com),  
[www.validatedsoftware.com](http://www.validatedsoftware.com)

Offers μC/OS-II Avionics Validation Suites that are a hybrid mix of commercial off-the-shelf and processor-specific μC/OS certification artifacts. Flying in DO-178 Level A-C systems, μC/OS Avionics Validation Suites are cost-effective way to enjoy the complexity slashing benefits of μC/OS in certified avionics systems.

**VDesign Technologies**

8 2nd Fl, 2nd Cross St, Perumalraja Garden, Reddiarpalayam, Pondicherry, 605010, India,  
91-41-32291305, [moutou@vdesign.in](mailto:moutou@vdesign.in),  
[www.vdesign.in](http://www.vdesign.in)

Offers tactical data link modules for UAV/satellites.

**Vector Informatik GmbH**

Ingersheimer Str 24, Stuttgart 70499, Germany,  
49-711-80670-0, [sales@vector.com](mailto:sales@vector.com),  
[www.avionics-networking.com](http://www.avionics-networking.com)

Provides solutions to benefit developers and test engineers for aerospace electronic networking.

Focuses on tools for E/E architecture, monitoring and analyzing the bus communications and on test tools in the form of a "HIL for the developer's office desk."

**VectorNav Technologies LLC**

903 N Bowser Rd, Suite 200, Richardson, TX 75081,  
512-772-3615, [sales@vectornav.com](mailto:sales@vectornav.com),  
[www.vectornav.com](http://www.vectornav.com)

Specializes in manufacturing high-performance navigation and inertial sensors using the latest miniature MEMS inertial sensor technology. Since its founding by five graduates of Texas A&M University in 2008, the company has provided customers worldwide access to high-quality, fully calibrated inertial sensors with state-of-the-art digital filtering technology.

**VersaLogic Corp**

3888 Stewart Rd, Eugene, OR 97402,  
541-485-8575, [info@versalogic.com](mailto:info@versalogic.com),  
[www.versalogic.com](http://www.versalogic.com)

Supplies embedded computers and high-quality board-level products for OEM applications since 1976. Product lines include EBX, PC/104, EPIC, SPX and SUMIT single-board computers and accessories. Demonstrates a commitment to service demonstrated through its 5-year availability guarantee and platinum level support.

## ViaSat Inc

6155 El Camino Real, Carlsbad, CA 92009-1602,  
760-476-2200, [ipcores@viasat.com](mailto:ipcores@viasat.com),  
[www.viasat.com](http://www.viasat.com)

Provides satellite and other digital communication systems and services for fast, secure and efficient communications to any location. Networking products include UHF, Ku, L, C and Ka-band, communications on-the-move, blue force tracking, information assurance, cyber security, antenna systems, Link 16 (MIDS and MIDS JTRS) data links and digital ISR video.

## Vicor Corp

25 Frontage Rd, Andover, MA 01810,  
978-470-2900, [apps@vicorpower.com](mailto:apps@vicorpower.com),  
[www.vicorpower.com](http://www.vicorpower.com)

Designs, manufactures and markets modular, high-density power components as well as configurable power systems, and custom power supplies with an installed base of millions of units and a worldwide reputation for product reliability in a broad range of military applications.

## Vidcie

(div of Looxcie), 1196 Borregas Ave, Suite 200,  
Sunnyvale, CA 94089, 408-935-2670,  
[sales@vidcie.com](mailto:sales@vidcie.com), [www.vidcie.com](http://www.vidcie.com)

Empowers organizations to leverage the value and benefit of real time business-to-field video communication. Field service personnel can now collaborate live, in real time with experts, engineers or any required support resource anywhere in the world.

## Video Scope International Ltd

105 Executive Dr, Suite 110, Dulles, VA  
20166-9558, 703-437-5534,  
[info@videoscopeintl.com](mailto:info@videoscopeintl.com), [www.videoscopeintl.com](http://www.videoscopeintl.com)  
Manufactures image intensifier assemblies, intensified cameras, high-speed intensified cameras, grated to <3 ns for use in scientific, military, and special industrial applications. Spectral response includes the UV to the near-IR.

## Vigil Antislip

12 Jessie Lee St, Australian Marine Complex,  
Henderson, WA 6166, Australia, 61-8-9437-4811,  
[vigil@vigilantislip.com](mailto:vigil@vigilantislip.com), [www.vigilantislip.com](http://www.vigilantislip.com)  
Manufacturer of Vigil Antislip non-slip stair nosings, ladder rung covers, walkway and ramp covers as well as photo-luminescent products. Operations in Australia and US with worldwide distribution network.

## Viking Equipment Finance

5650 W 36th St, Minneapolis, MN 55416,  
612-642-1888, [info@vikingequipmentfinance.com](mailto:info@vikingequipmentfinance.com),  
[www.vikingequipmentfinance.com](http://www.vikingequipmentfinance.com)  
Provides established small business owners, middle market companies in the aerospace and defense sector equipment financing, leasing and loans. Transactions range from \$500,000 to \$50 million.

## Vishay Intertechnology Inc

63 Lincoln Hwy, Malvern, PA 19355-2120,  
610-251-5287, [andrew.post@vishay.com](mailto:andrew.post@vishay.com),  
[www.vishay.com](http://www.vishay.com)

Manufactures several kinds of discrete semiconductors. These typically perform a single function, such as switching, amplifying, rectifying, or transmitting electrical signals. Also manufactures selected ICs, which combine the functions of multiple components on a single chip, as well as modules, which include multiple components in a single package.

## Vision Components

10 Hedgerow Dr, Hudson, NH 03051,  
603-598-2588, [etoth@vision-components.com](mailto:etoth@vision-components.com),  
[www.vision-components.com](http://www.vision-components.com)

Develops machine-vision technology focusing on manufacturing and distribution of intelligent cameras for industrial use. Product line includes standard, miniature, board, smart cameras and vision sensors, including stereo vision, 3-D laser triangulation, 360 degree cameras, and embedded SDK with vision libraries. Applications include machine vision, security, traffic, ANPR and robotics.

## Visotek Inc

11700 Belden Ct, Livonia, MI 48150,  
734-427-4800, [info@visotekinc.com](mailto:info@visotekinc.com),  
[www.visotekinc.com](http://www.visotekinc.com)

Offers a line of patented diode lasers from 10s of watts to 1000s of watts for direct use or coupled into fibers as single modules or turnkey systems with integrated controls and cooling. Develops customized laser machines for materials processing based on a variety of laser sources. Offers Job shop services.

## VITEC

931 Benicia Ave, Sunnyvale, CA 94085,  
650-230-2400, [geol.yeadon@vitecmm.com](mailto:geol.yeadon@vitecmm.com),  
[www.vitecmm.com](http://www.vitecmm.com)

Specializes in military specific H.264 encoding, decoding and IPTV solutions and provides powerful digital video products that support end-to-end media solutions for military, government, broadcast, corporate, education, industrial, medical, and telco customers. By integrating brands including Optibase, Focus, Como, and Stradis, the company now controls the complete video chain.

## VLOC

(sub of II-VI Inc), 7826 Photonics Dr, New Port Richey, FL 34655, 727-375-8562, [info@vloc.com](mailto:info@vloc.com),  
[www.vloc.com](http://www.vloc.com)

Manufactures fluoride and oxide crystals including YAG, YLF, ruby, LiSAF, LiSGaF, and YVO<sub>4</sub>. Provides nonlinear materials including KTP and KNbO<sub>3</sub>. Components include laser cavity flow tubes, mirrors, prisms, waveplates and more.

## VPT Inc

(sub of HEICO Corp), 19909 120th Ave NE,  
Suite 102, Bothell, WA 98011, 425-353-3010,  
[vptsales@vptpower.com](mailto:vptsales@vptpower.com), [www.vptpower.com](http://www.vptpower.com)

Provides power conversion solutions for use in military, aerospace, and space applications globally. Offers high-reliability DC/DC converters, EMI filters, accessory power products, and custom engineering services for the rapid development of critical power systems. The products offer a proven 20-year program heritage.

(See ad page BG17)

## VT Systems

99 Canal Center Plaza, Suite 220, Alexandria, VA  
22314, 703-739-2610, [www.vt-systems.com](http://www.vt-systems.com)

Provides high-quality and cost-effective integrated aerospace, engineering and maintenance services for military and commercial aircraft. Designs, develops, and manufactures innovative computers, computer peripheral, and networking products for the global aviation industry.

## VXI Technology Inc

2031 Main St, Irvine, CA 92614, 949-955-1894,  
[sales@vxitech.com](mailto:sales@vxitech.com), [www.vxitech.com](http://www.vxitech.com)

Offers precision data acquisition, signal conditioning, signal distribution, and signal control hardware and software that source, measure, and route electrical signals used for testing the electrical, electronic and mechanical functionality of systems, such as those common to aircraft, motor vehicles, rockets, engines, satellites, and medical devices.

## Wavelength Electronics Inc

51 Evergreen Dr, Bozeman, MT 59715,  
406-587-4910, [sales@teamwavelength.com](mailto:sales@teamwavelength.com),  
[www.teamwavelength.com](http://www.teamwavelength.com)

Supplies advanced wavelength and thermal controls for demanding electro-optical applications for 20 years. Offers high-precision laser drivers and ultra-stable temperature controllers that provide instrument level performance with maximum load protection. Is backed by a team of professionals with unlimited, free, knowledgeable technical support, detailed datasheets, design tools and quality manufacturing controls.

## Weschler Instruments

16900 Foltz Pkwy, Cleveland, OH 44149,  
440-238-2550, [info@weschler.com](mailto:info@weschler.com),  
[www.weschler.com](http://www.weschler.com)

## West Coast Tech Ltd

133 Tianquan Rd, Fuzhou, Fujian 350003, China,  
86-591-87303536, [sales@westcoast-tech.cn](mailto:sales@westcoast-tech.cn),  
[www.westcoast-tech.cn](http://www.westcoast-tech.cn)

Performs R&D, manufacturing and distribution of photonics products. Established in HK and with facilities located in Fuzhou and other cities in China, the company has three business units: precision optics, night vision, lasers and systems.



### Westech Optical Corp

1387 Fairport Rd, Bldg 900H, Fairport, NY 14450, 585-377-2490, [jcarlino@westechoptical.com](mailto:jcarlino@westechoptical.com), [www.westechoptical.com](http://www.westechoptical.com)

Designs, manufactures and distributes precision optics for visible, NIR and NUV. Products include singlets, achromatic, CMOS/CCD lenses, mega-pixel lenses, windows, mirrors and beam splitters. Applications include, but are not limited to, medical instrumentation, machine vision, military optics, surveillance, scanning, OCR and non-contact measurement.

### Wide Band Systems Inc

389 Franklin Ave, Rockaway, NJ 07866, 973-586-6500, [marketing@widebandsystems.com](mailto:marketing@widebandsystems.com), [www.widebandsystems.com](http://www.widebandsystems.com)

Designs and manufactures components for real-time tactical signal identification and analysis. Provides innovative design, development, and production of RF and microwave products for defense applications. Products include precision, fast switching, broad band synthesizers, with scalable frequency ranges of 2–18 GHz, instantaneous frequency measurement receivers, and more. Is ISO 9001:2000 certified.

### Wiener Plein & Baus Corp

(a Phoenix Mecano Co), 300 E Auburn Ave, Springfield, OH 45505, 937-324-2420, [sales@wiener-us.com](mailto:sales@wiener-us.com), [www.wiener-d.com](http://www.wiener-d.com)

Designs and produces state-of-the-art electronic chassis/mainframes and power supplies for the scientific research community as well as for demanding industry applications.

### Wilbrecht Ledco Inc

1400 Energy Pk Dr, Suite 20, St Paul, MN 55108, 651-659-0919, [info@wilbrechtedco.com](mailto:info@wilbrechtedco.com), [www.wilbrechtedco.com](http://www.wilbrechtedco.com)

Manufactures industry standard and custom LED assemblies for panel and PCB mounting. Custom features include internal resistors for DC and AC applications, sealing IP66, daylight readable LEDs and custom lead wires. Offers free samples built to specifications.

### Winchester Electronics

400 Park Rd, Watertown, CT 06795-0500, 860-945-5078, [r.bucanned@litton-wed.com](mailto:r.bucanned@litton-wed.com), [www.winchesterelectronics.com](http://www.winchesterelectronics.com)

Designs and develops interconnect technology globally. Facilities in Wallingford, CT, Franklin, MA, Rock Hill, SC, Nogales, Mexico, Suzhou, China, and Penang, Malaysia. Manufactures a wide variety of connectors for the broadcast, telecommunications, wireless, high-end military, commercial/military aviation, aerospace, industrial, and medical equipment industry markets.

### Winchester Systems Inc

101 Billerica Ave, Bldg 5, North Billerica, MA 01862-1271, 781-265-0200, [marketing@winsys.com](mailto:marketing@winsys.com), [www.winsys.com](http://www.winsys.com)  
Combines rugged durability, high performance, and quick, easy data transportability to deliver tailored servers, storage, and integrated subsystems for over 30 years. The firm's mechanical and I/O-performance engineers join a prime contractor's integration team to tailor COTS-rugged and MIL-STD-810G, MIL-STD-901D, and more equipment to fit each project's needs.

### Wind River

500 Wind River Way, Alameda, CA 94501, 510-748-4100, [www.windriver.com](http://www.windriver.com)  
Provides device software optimization (DSO). Enables companies to develop, run, and manage device software.

### Winslow Automation

905 Montague Expwy, Milpitas, CA 95035, 408-956-0100, [sales@solderquik.com](mailto:sales@solderquik.com), [www.winslowautomation.com](http://www.winslowautomation.com)  
Provides backend semiconductor products, including BGA ball attach, and reballing preforms, and kits. CCMD preforms for solder column attach to LCC components. Offers fully robotic and table-top hot solder dipping equipment.

### WUHAN GSTAR Laser Technology Co Ltd

H Bldg, Tuochuang Industrial Pk, Yangjiaohu Rd 15, Wuhan, Hubei 430000, China, 86-27-597-16658, [mars@gstarlaser.com](mailto:mars@gstarlaser.com)  
Supplies equipment and solutions in the field of laser applications. Products and solutions have been used in a whole spectrum of well-known touch screen manufacturers within a wide range so as to assist our clients in demanding requirements for the high-quality touch screens.

### Xenics

Ambachtenlaan 44, Leuven BE-3001, Belgium, 32-16-38-99-00, [sales@xenics.com](mailto:sales@xenics.com), [www.xenics.com](http://www.xenics.com)  
Develops innovative infrared detection solutions for a wide range of applications. Designs, manufactures and sells infrared detectors and cameras, both linescan and 2-D, covering the infrared wavelength ranges from 0.4–14 micrometers. In addition, delivers custom products according to the agreed specification and planning.

### Xiamen SET Electronics Co Ltd

8067 W Xiangan Rd, Torch Hi-Tech Industrial, Xiang'an Dist, Xiamen, Fujian 361101, China, 86-592-5715838, [sales@setfuse.com](mailto:sales@setfuse.com), [www.setfuse.com](http://www.setfuse.com)  
Manufactures products for surge and circuit protection mainly used in electronic, SPD, communications, and new energy car industries.

### Xilinx

2100 Logic Dr, San Jose, CA 95124, 408-559-7778, [www.xilinx.com](http://www.xilinx.com)

Invented the field programmable gate array (FPGA) and was the first semiconductor company to establish the fabless manufacturing model, outsourcing everything but the design, marketing, and support of products.

### XIMEA

Hansestr 81, Münster 48165, Germany, 49-251-590686-59, [info@ximea.com](mailto:info@ximea.com), [www.ximea.com](http://www.ximea.com)

Believes that the best industrial, smart, and scientific cameras offer the highest levels of processing power, compatibility, and support at a competitive price. And that is why for more than 20 years, the company has designed them.

### ZC&R Coatings for Optics

1401 Abalone Ave, Torrance, CA 90501, 310-381-3060, [info@zcrcoatings.com](mailto:info@zcrcoatings.com), [www.zcrcoatings.com](http://www.zcrcoatings.com)

Provides precision optical coatings, including anti-reflection, high-power lasers, beamsplitters, hot and cold mirrors, bandpass color filters, heat and color control, metal coatings, covert filters, fluorescence filters, and more. Coatings from 175 nm to 30 µm are available in diameters up to 24 inch. Prototyping and OEM volumes available.

### ZDA Communications US LLC

100-3 Forum Dr, Suite 192, Columbia, SC 29229, 803-419-4702, [robertlee@zdacomm.com](mailto:robertlee@zdacomm.com), [www.zdacomm.com](http://www.zdacomm.com)

Designs and manufactures wireless antennas from 100 MHz–6 GHz.

### Zephyr Photonics Inc

215 Elks Point Rd, PO Box 10779, Zephyr Cove, NV 89448, 775-588-4176, [sales@zephyrphotonics.com](mailto:sales@zephyrphotonics.com), [www.zephyrphotonics.com](http://www.zephyrphotonics.com)

Delivers advanced fiber-optic technology to optical communications and control solutions capable of operation in high temperatures and other adverse conditions typical for mission-critical defense and intelligence applications. Their solutions include integrated optoelectronic components and modules for wide variety of data networking and optical interconnect applications.

### Zilog

1590 Buckeye Dr, Milpitas, CA 95035, 408-513-1500, [www.zilog.com](http://www.zilog.com)

Offers SoCs, single-board computers, subsystems and development tools that allow embedded designers quick time to market in power management, monitoring and metering, motor control, lighting control and motion detection.

### ZNYX Networks

48421 Milmont Dr, Fremont, CA 94538, 510-249-0800, [sales@znyx.com](mailto:sales@znyx.com), [www.znyx.com](http://www.znyx.com)  
Specializes in the design and manufacture of telco grade networking, compute and packet processing blade-based switching platforms for proprietary and open-standards based systems including PICMG 2.16 (CompactPCI) and AdvancedTCA (ATCA) environment.

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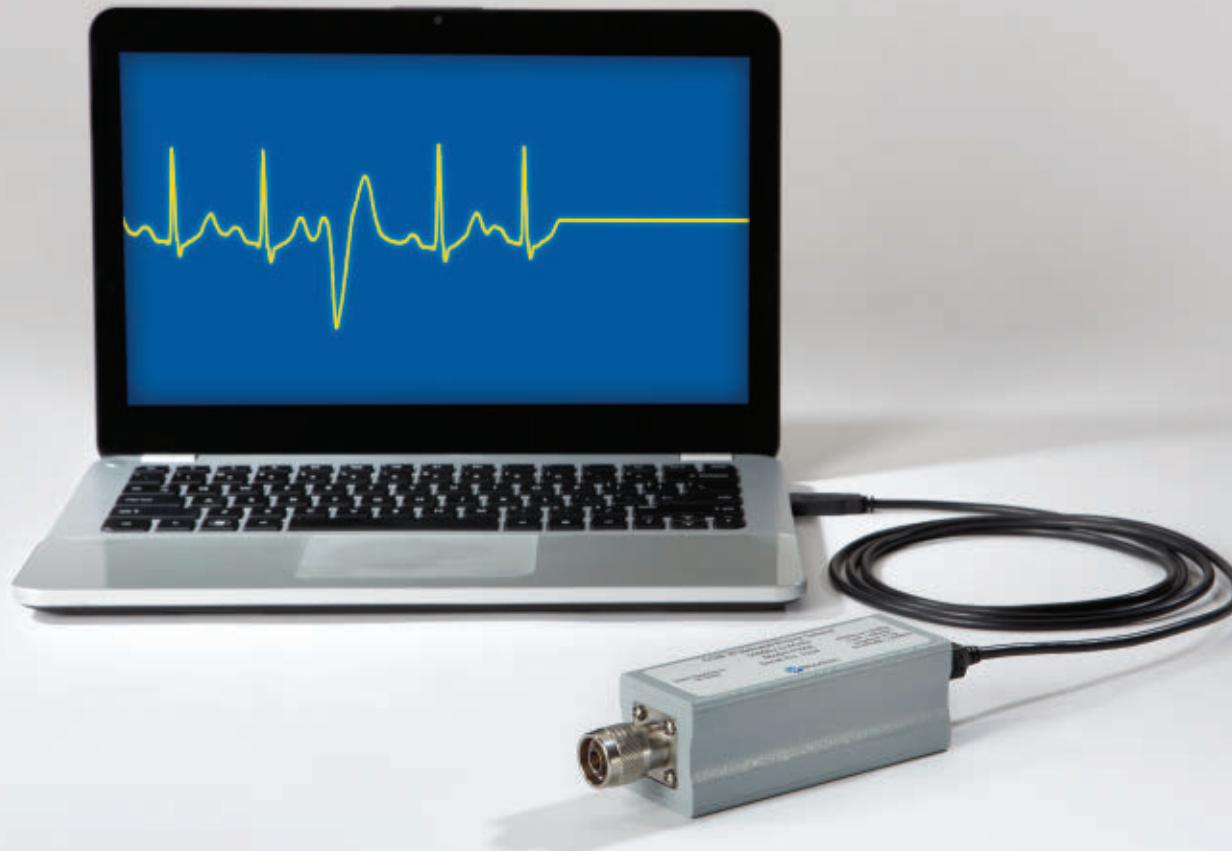
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