

# PROFESSIONAL/PERSONAL COMPUTERS

## RECOMMENDED PRODUCTS FROM SGS-THOMSON

### POWER SUPPLY

| Type                                                                                                             | Description                                                                                                                                                                                                                                                                                                                                                  | Function                |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| L78xx<br>L79xx<br>L78Mxx<br>LM317<br>LM317MDT<br>LM323<br>LM337<br>LM338K<br>LM350K<br>L78Sxx<br>L78Lxx<br>LM723 | 1.5A Series TO-220/Isowatt 220/TO-3<br>1.5A Series TO-220/Isowatt 220/TO-3<br>0.5A Series TO-220/Isowatt 220/DPAK/SOT194/SOT82<br>1.5 Adj TO-220/Isowatt 220/TO-3/SO8/TO92/TO39<br>0.5A Adj DPAK<br>3A fixed TO-3/TO-220<br>1.5A Adj TO-220/TO-3/TO-39<br>5A Adj TO-3<br>3A Adj TO-3<br>2A Series TO-220/TO-3<br>100mA Series TO-92/SO-8<br>0.15A Adj DIP-14 | Conventional Regulators |
| L4940Vxx<br>L4941<br>LFxx<br>LExxA/C<br>LK115Dxx<br>LD1117xx<br>L4931                                            | 1.5A Series TO-220<br>1A fixed 5V TO-220<br>0.5A Series TO-220/Pentawatt/DPAK/PPAK/SO-8<br>100mA Series TO-92/SO-8<br>100mA Series SO-8<br>800mA Series TO-220/DPAK/SOT/223<br>300mA Series SO-8                                                                                                                                                             | Low Drop Regulators     |

### SEE MEMORY PRODUCTS SELECTOR FOR RECOMMENDED MEMORIES

| PROFESSIONAL/PERSONAL COMPUTERS |                                                      |
|---------------------------------|------------------------------------------------------|
| A                               | OTP Memory - 5V range                                |
| B                               | OTP Memory - 3.3V +/- 10% range                      |
| C                               | OTP Memory - 2.7V to 3.6V range                      |
| D                               | OTP Memory - ROM compatible                          |
| E                               | UV EPROM - 5V range                                  |
| F                               | UV EPROM - ROM compatible                            |
| G                               | FLASH Memory - Dual supply 5V/12V                    |
| H                               | FLASH Memory - Dual supply 3.3V/12V                  |
| I                               | FLASH Memory - Dual supply 5V only                   |
| J                               | Serial EEPROM I2C Bus - 2 wire 100 KHz               |
| K                               | Serial EEPROM I2C Bus - 2 wire 400 KHz               |
| M                               | MICROWIRE bus - 1 Mhz                                |
| N                               | Dedicated EEPROM                                     |
| O                               | Parallel EEPROM - 3V range                           |
| P                               | Parallel EEPROM - 5V range                           |
| S                               | TIMEKEEPER - Battery backed SRAM with clock/calendar |
| T                               | SNAPHAT - Battery and battery/crystal                |
| U                               | Very fast SRAM - 5V range                            |
| V                               | Very fast SRAM - 3.3V range                          |
| Y                               | Memories with MCU                                    |

### POWER SUPPLY (Cont'd)

| Type                                                                                        | Function                                                                                                                                                  |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| TDA8134<br>TDA8135<br>TDA8136<br>TDA8137<br>TDA8138<br>TDA8139                              | Dual Regulators                                                                                                                                           |
| L4941<br>L4940V (Series)<br>L296<br>L4960<br>L4962<br>L4963D<br>L4964                       | Very Low Drop V-REG<br>DC-DC Converter                                                                                                                    |
| SG3524<br>SG3525<br>SG3527<br>UC3842/3/4/5 A-B<br>TEA5170<br>TEA2260                        | SMPS Controller                                                                                                                                           |
| TL77XX Series                                                                               | Undervoltage Supervisors                                                                                                                                  |
| GS-R400 Family<br>GS-R400/2 Family<br>GS-R51212<br>GS100T300 Family<br>GS175T48 Family      | Switching DC-DC converters & voltage regulators modules<br>Single & multiple outputs                                                                      |
| BUF405A<br>BUF410A<br>STHV102<br>BYW29-200<br>BYW51-200<br>STPR<br>ESM765-800<br>TYN<br>TYP | 1000 V Transistors<br>1000 V Transistors<br>1000 V Power MOS<br>Diodes<br>8/20A, 35ns<br>FRED Diodes<br>10A, 800V, 300ns, Diode<br>Overvoltage Protection |
| STPS                                                                                        | Power Schottky Diode                                                                                                                                      |
| AVS8/10/12/20                                                                               | Automatic Voltage Switch                                                                                                                                  |



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### CENTRAL CONTROLLERS

| Type                                   | Function                     |
|----------------------------------------|------------------------------|
| <b>COPROCESSORS</b>                    |                              |
| IMST225                                | 16-bit Transputer            |
| IMST400                                | 32-bit Transputer (Low cost) |
| IMST425                                | 32-bit Transputer            |
| IMST805                                | 32-bit Transputer + FPU      |
| IMST9000 + Software                    | 32-bit Transputer            |
| <b>PERIPHERALS AND SUPPORT DEVICES</b> |                              |
| IMSC011                                | Link adaptor                 |
| IMSC012                                | Link adaptor                 |
| IMSC004                                | 32 way Link switch           |

### BATTERY & POWER MANAGEMENT

| Type   | Function                                                 |
|--------|----------------------------------------------------------|
| ST621X | 2K ROM/EPROM, 8-bit MCU, A/D Converter                   |
| ST622X | 4K ROM/EPROM, 8-bit MCU, A/D Converter                   |
| ST626X | 4K ROM/EPROM, 8-bit MCU, EEPROM, AR Timer, A/D Converter |
| ST624X | 4/8K ROM/EPROM, 8-bit MCU, EEPROM, LCD segments drive    |

### COMMUNICATION INTERFACE

| Type       | Function                    |
|------------|-----------------------------|
| MC1488     | Receivers and Drivers RS232 |
| MC1489     |                             |
| MC1489A    |                             |
| ITA25B3/B4 | ESD Protection              |
| ESDA6V1S3  | 5V Protections              |
| SMLVT3V3   |                             |

### PROTECTION

| Type     | Function                                                                                      |
|----------|-----------------------------------------------------------------------------------------------|
| BZW04..  | Transil 400 W<br>600 W<br>1500 W<br>400W SMD Transil<br>600W SMD Transil<br>1500W SMD Transil |
| P6KE..   |                                                                                               |
| 1.5 KE.. |                                                                                               |
| SM4T..   |                                                                                               |
| SM6T..   |                                                                                               |
| SM15T... |                                                                                               |

### MULTIMEDIA

| Type     | Function                   |
|----------|----------------------------|
| STI3400  | MPEG1 Video Decoder        |
| STI4500  | MPEG Audio Decoder         |
| STI3430  | MPEG1 Audio/Video Decoder  |
| STI3500A | MPEG2 Video Decoder        |
| STI3520A | MPEG2 Audio/Video Decoder  |
| STV8438  | Triple 8 bit D/A converter |

Additional products: see next page

