

Data not moving quick enough?

INFINITY connectors.com

Introducing Amphenol's
Infinity series of products for speeds
up to 75 Gbps bandwidth
and meets SFF-8470.

INFINIBAND™

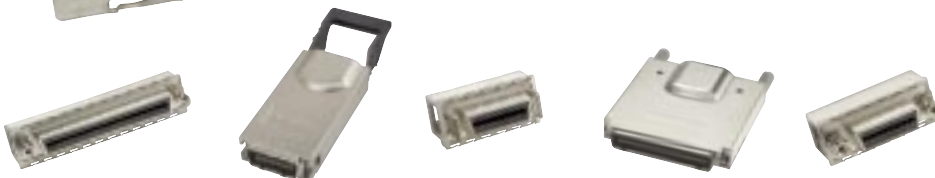
FIBRE CHANNEL

10 GB ETHERNET

SAS

Amphenol®

Data / Telecom Products



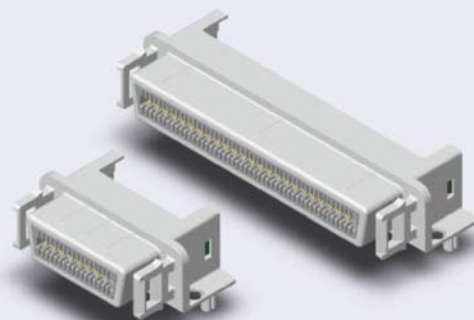
InfiniBand™ 4X / 12X Fibre Channel 10 Gbps Serial Attached SCSI

**High Speed
Receptacle
InfiniBand™
Fibre Channel
Serial Attached SCSI**

DESCRIPTION

Amphenol Canada's new inter-connection system was designed for the 4X & 12X interface for the next generation InfiniBand™ I/O applications. This new connector was developed to facilitate data transfer at rates up to 10 Gbit/s & 30 Gbit/s as required by InfiniBand™ and Fibre Channel products as well as Serial Attached SCSI.

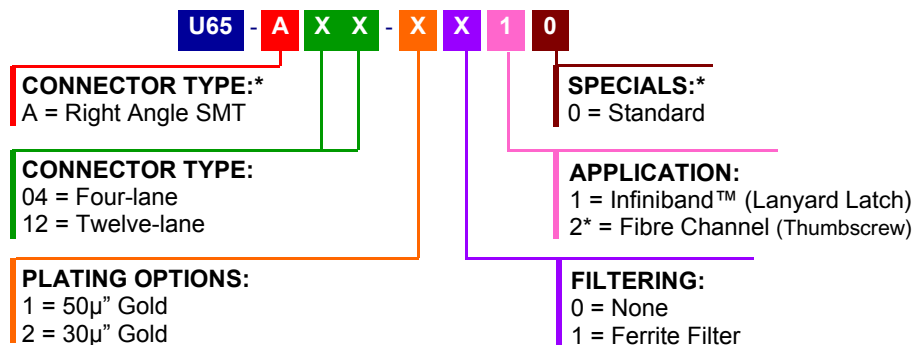
This family of products is available in variety of plugs and receptacles - all in small-form-factor configurations which will fit multiple connectors into a PCI bracket.



PRODUCT FEATURES	APPLICATION
<ul style="list-style-type: none"> • High - density • Hot plugable • Lanyard latching system • Blind mating • Controlled impedance • High speed differential signaling design • Meets SFF-8470 Specification 	<ul style="list-style-type: none"> • InfiniBand™ 4X / 12X • Fibre Channel • 10 Gb Ethernet • Serial Attached SCSI

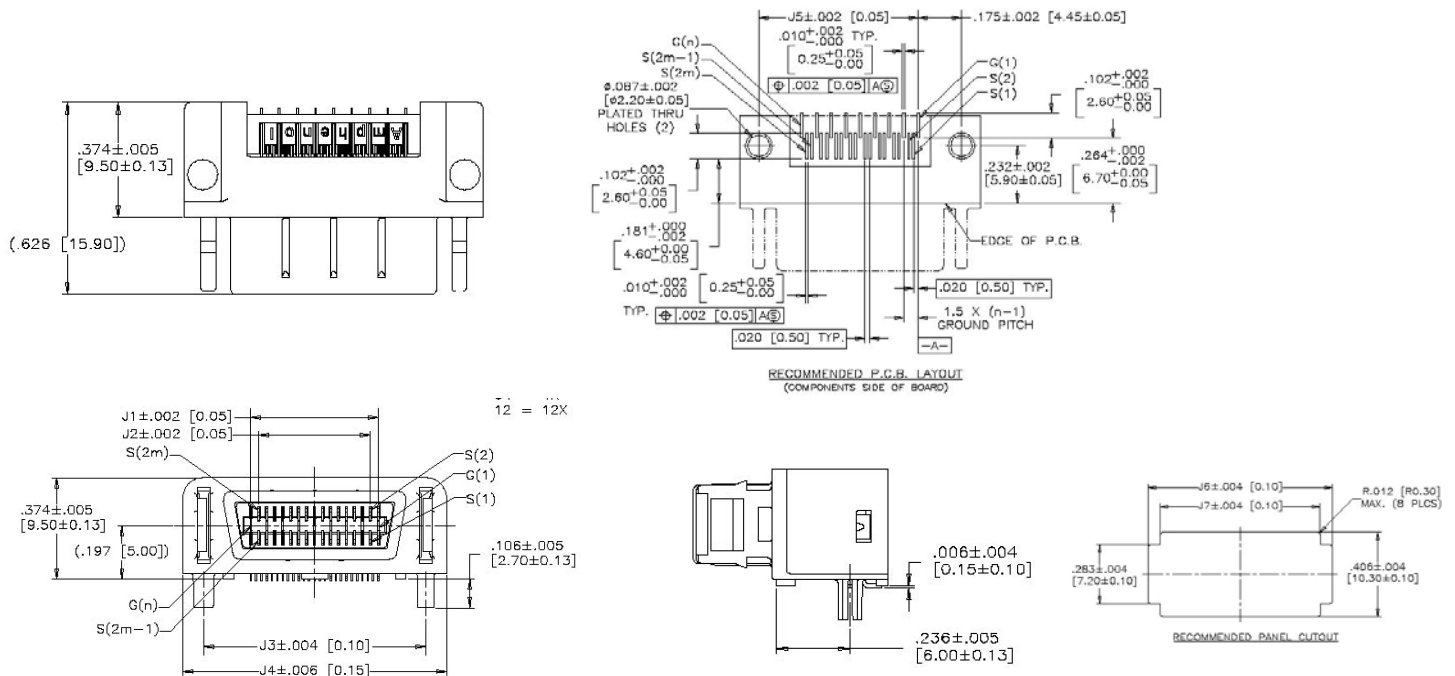
ORDERING INFORMATION

Amphenol®



* For other connector types and keying options, consult factory or drawings

MECHANICAL SPECIFICATIONS



TYPE	J1	J2	J3	J4	J5	J6	J7	m	n
4X	.472 [12.00]	.413 [10.50]	.823 [20.90]	.978 [24.85]	.648 [16.45]	.894 [22.70]	.776 [19.70]	1-8	1-9
12X	1.417 [36.00]	1.358 [34.50]	1.768 [44.90]	1.923 [48.85]	1.593 [40.45]	1.839 [46.70]	1.720 [43.70]	1-24	1-25

ELECTRICAL AND ENVIRONMENTAL DATA

Current Rating:	0.5 Amps Maximum / Contact
Contact Resistance:	80mΩ Maximum Initial
Insulation Resistance:	1000 Megohms Minimum
Working Voltage:	30 VAC
Operating Temperature:	-40°C to +85°C
Cycle Life:	250 Mating Cycles

MATERIAL SPECIFICATIONS

Plastic Insert:	High Temperature Resistant Nylon Flammability Rating - UL94V-0
Contacts:	Phosphor Bronze Plating - 50μ" [1.27μm] min. or 30μ" [.076μm] min. Gold over 50μ" [1.27 μm] min. Nickel on contact mating area 150μ" [3.81 μm] min. Tin-Lead (90/10) over 50μ" [1.27 μm] Nickel on PCB termination
Shield:	Die Cast Plating - 100μ" [2.54 μm] min. Tin-Lead (90/10)

InfiniBand™ is a trademark of InfiniBand Trade Association

Amphenol®
Data/ Telecom Products

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Canada, M1B 2X6

InfiniBand™ 4X / 12X Fibre Channel 10 Gbps Serial Attached SCSI (SAS)

**High Speed
Plug
InfiniBand™
Fibre Channel
Serial Attached SCSI**

DESCRIPTION

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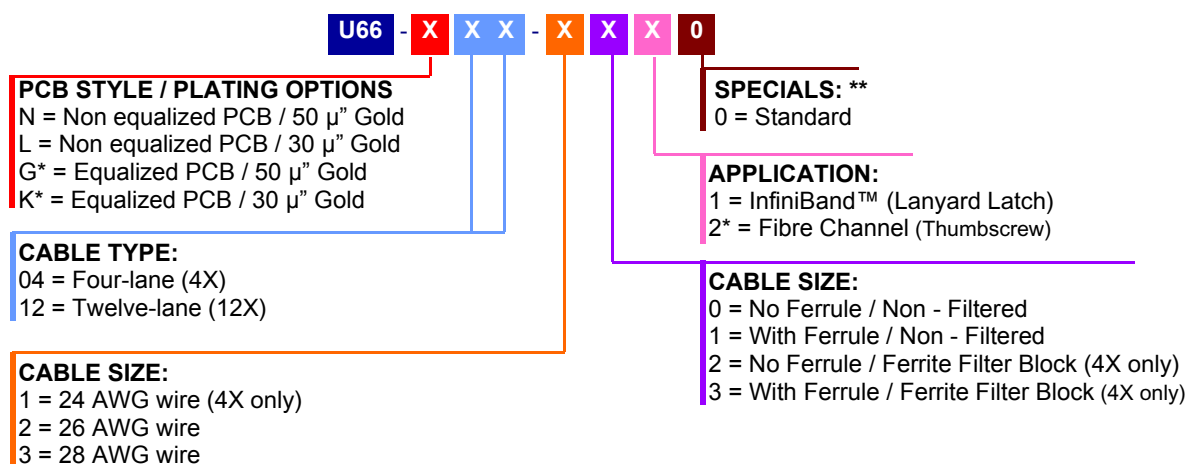
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PRODUCT FEATURES	APPLICATION
<ul style="list-style-type: none"> High - density Hot plugable Blind mating Controlled impedance High speed differential signaling design Meets SFF-8470 Specifications 	<ul style="list-style-type: none"> InfiniBand™ 4X / 12X Fibre Channel 10 Gb Ethernet Serial Attached SCSI

ORDERING INFORMATION

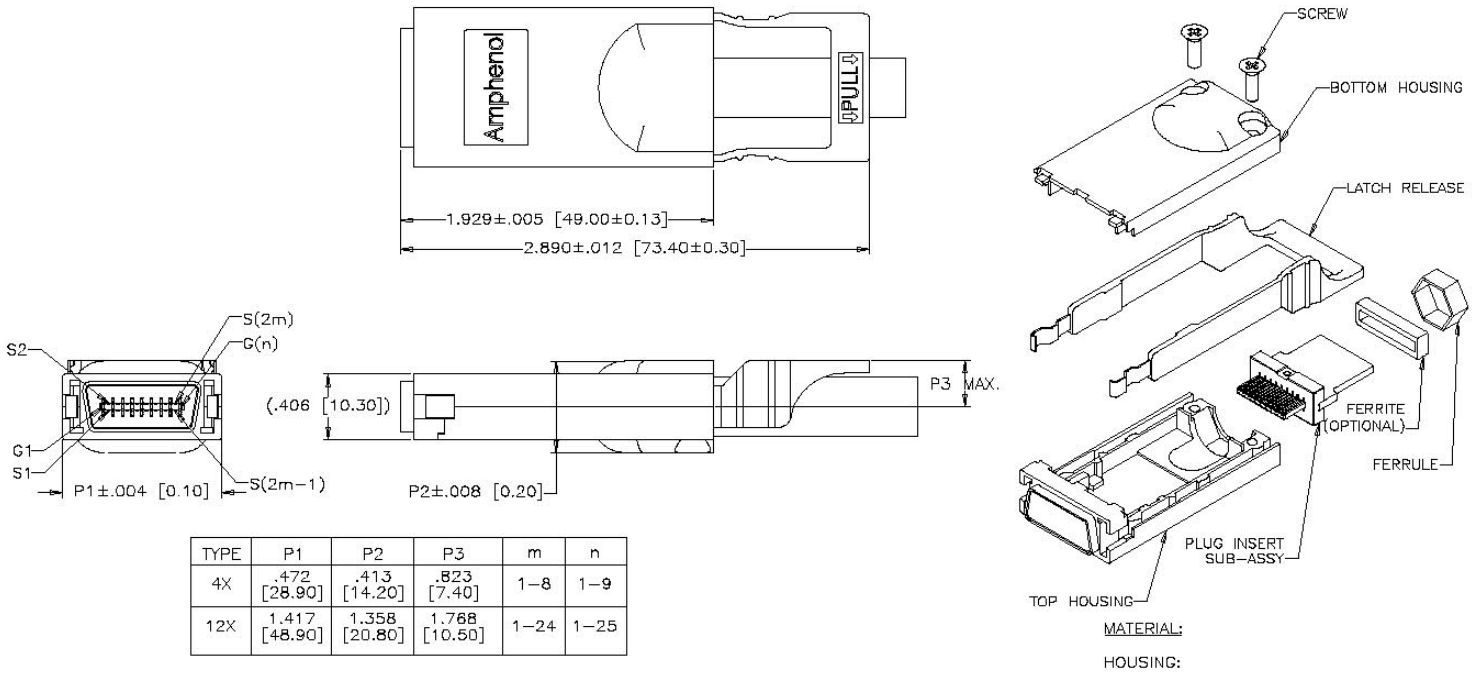
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* future option

** For keying options consult factory or drawings

MECHANICAL SPECIFICATIONS



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