

## Amphenol ICC

# XFP

Amphenol ICC's XFP connector system is a 30 position 0.8 mm pitch SMT receptacle designed to support 10 Gigabit Fibre Channel and Gigabit Ethernet with the ability to extend performance to 14Gb/s. It is constructed from a metal frame and the cage assembly is to be bezelmounted to an I/O panel with compliant pins for pressing onto the host PCB. Its single row cage configuration requires less space and is a cost optimized alternative to parallel-optics VSR. XFP also requires less than one-third the power and physical space of an MSA interconnect with parallel interface. It has a single footprint for all links and is hot-pluggable.The cage assembly has several EMI shielding options such as an elastomeric gasket, which blocks EMI emissions coming from the transceiver when installed.



### **TECHNICAL INFORMATION**

#### MATERIAL

- Housing: Black color, Glass reinforced, Lead Free Solder Reflow Process Compatible Thermo Plastic
- Contacts Base Material: Phosphor Bronze
- Plating Solder Tails: Matte tin or gold flash options
- Plating Mating Area: Gold

#### **MECHANICAL PERFORMANCE**

- Durability: 250 mating cycles
- Mating Force: 40 N max.
- Contact Normal Force: 100 grams
- PCB Thickness Single Side Mounting (Cage): 1.57 mm (0.062 in.)
- PCB Thickness Double Side Mounting (Cage): 3.00 mm (0.118 in.)
- Unmating Force (Cage): 30 N max.
- Insertion Force to PCB (Cage): 133N min.

#### **ELECTRICAL PERFORMANCE**

- Operating Voltage: 30 VDC per contact
- Operating Current: 0.5 A percontact
- Differential Impedance:  $100\Omega + 10\Omega$

#### **ENVIRONMENTAL**

- Operating and (Storage) Temperature: -40° to +85° C
- RoHS & Halogen-Free

#### **TOOLING INFORMATION**

Configurations: 1x1

#### **TARGET MARKETS/APPLICATIONS**



Data Networking Equipment Telecommunication Network



## PART NUMBER SELECTOR

UE75 A 30	x	0 0	X	т
Series Designation				Packaging
Style				T Tape & Reel
A R/A Single Surface Mount				Lubricant Option
Number of Positions				0 Non Lubricated
30 30 Positions (Single XFP)				1 Lubricated Added
Plating Option				Option 2
2 30 μ" (0.76 μm) Gold Plating on Mating Area; Gold Fla Termination	sh on			0 Standard
3 30 μ" (0.76 μm) Gold Plating on Mating Area; Matte Ti on Termination	n Plating			Option 1 0 Standard
5 <sup>15</sup> μ" (0.38 μm) Gold Plating on Mating Area; Gold Flat Termination	sh on			
6 15 μ" (0.38 μm) Gold Plating on Mating Area; Matte Ti on Termination	n Plating			
U79 A 1 X		2 >	( X	x
Series Designation				Packaging
Style				1 Tray (Heat Sink & Clip Shipped Separately)
A 1 Row				Tape & Reel T (Heat Sink & Clip Shipped Sepa- rately)
1   Single in Row				B Tray (Clip Shipped Assembled to Cage)
Heat Sink Option				A Tray (Heat Sink & Clip Assembled
0 No Heat Sink, Only Clip is Shipped				to Cage)
1 No Heat Sink or Clip Shipped			L	Option 1
2 Standard Height Fin Heat Sink (7 mm) & Clip				0 Standard
<ul> <li>3 PCI Height Fin Heat Sink (4.2 mm) &amp; Clip</li> <li>4 Tall Fin Heat Sink (13.5 mm) &amp; Clip</li> </ul>				1 High Conductivity Rear Lower EMI Gasket
<ul> <li>4 Tall Fin Heat Sink (13.5 mm) &amp; Clip</li> <li>G 45° Standard Height Fin Heat Sink (7mm) &amp; Clip</li> </ul>				2 Insulating Tape Attached to Bottom Cage Wall
Option 1				Dust Cover Option
1 Sta	andard P	Plating		0 Without Dust Cover
		2 Nickel		D With Dust Cover (Shipped Loose)

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