

CXP

Product Description

The CXP connector comes in a one-piece Press-Fit assembly that provides a one-step placement to the board to accommodate single, ganged or stacked connector configurations in extremely high-density requirements. The CXP system has twelve channels for up to 20 Gbps, resulting in 240 Gbps of total bandwidth. This allows our CXP to go beyond the 100 Gigabit Ethernet IEEE 802.3ba and the InfiniBand CXP12x QDR standards. It also enables pluggable copper or optical cables to increase the flexibility of system-level hardware for end users. The low profile CXP optical 4.50mm round cable assemblies offer improved fiber management over traditional flat cables for connecting CXP transceivers.

Applications				Supported Standards
Blade server	Router/Switch	Controller Cards	NIC cards	Connector Cage Combo SFF-8617
Computing systems	Storage systems	DAS – Direct Attached Storage		
Networking equipment	Servers	SAN – Storage Attached Networks		

Product Specifications - CXP			
CONNECTOR		CAGE	
Materials Specifications			
Housing	Black color, Glass reinforced , Lead Free Solder Reflow, Process Compatible Thermo Plastic	PCB Thickness	Down to 1.57 mm (0.062 in.)
Contacts Base Material	Phosphor Bronze		
Contact Normal Force	50 grams min.		
Plating Press-Fit Area	Matte tin		
Plating Mating Area	Gold		
Spring Clip	Copper Alloy, Nickel plating		
Operating & Storage Temperature	-40° to +85° C		
Electrical Specifications			
Operating Voltage	30 VDC per contact		
Operating Current	0.5 A per contact		
Differential Impedance	100 Ω +/- 10 Ω		
Mechanical Specifications			
Mating Force	150 N max.	Unmating Force	50 N max.
Durability	250 mating cycles	Insertion Force to PCB	150 N max.
Options			
Packaging	Tray		
EMI Options, Heat Sink and Clip	Available		
Configurations	1X1		
Environmental Specifications			
RoHS	Yes		
Halogen Free	Yes		
Flammability Rating	UL 94V-0		



