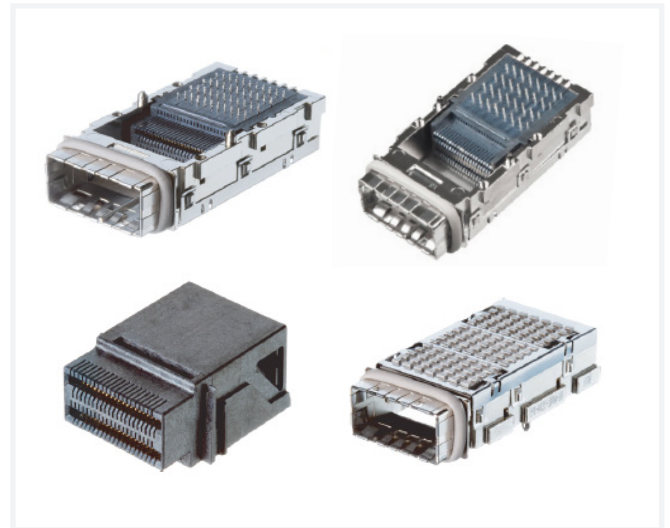


CXP

Amphenol ICC's 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 20Gb/s, resulting in 240Gb/s 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.



TARGET MARKETS



TECHNICAL INFORMATION

MATERIAL

- Housing: Black color, Glass reinforced, Lead Free Solder Reflow Process Compatible Thermo Plastic
- Contacts Base Material: Phosphor Bronze
- Plating Press-Fit Area: Matte tin
- Plating Mating Area: Gold
- Spring Clip: Copper Alloy, Nickel plating

MECHANICAL PERFORMANCE

- Durability: 250 mating cycles
- Mating Force: 150 N max.
- Contact Normal Force: 50 grams min.
- PCB Thickness (Cage): Down to 1.57 mm (0.062 in.)
- Unmating Force(Cage): 50 N max.
- Insertion Force to PCB (Cage): 150 N max.

ELECTRICAL PERFORMANCE

- Operating Voltage: 30 VDC per contact
- Operating Current: 0.5 A per contact
- Differential Impedance: 100Ω +/- 10Ω

ENVIRONMENTAL

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

TOOLING INFORMATION

- Configurations: 1X1

TARGET MARKETS/APPLICATIONS

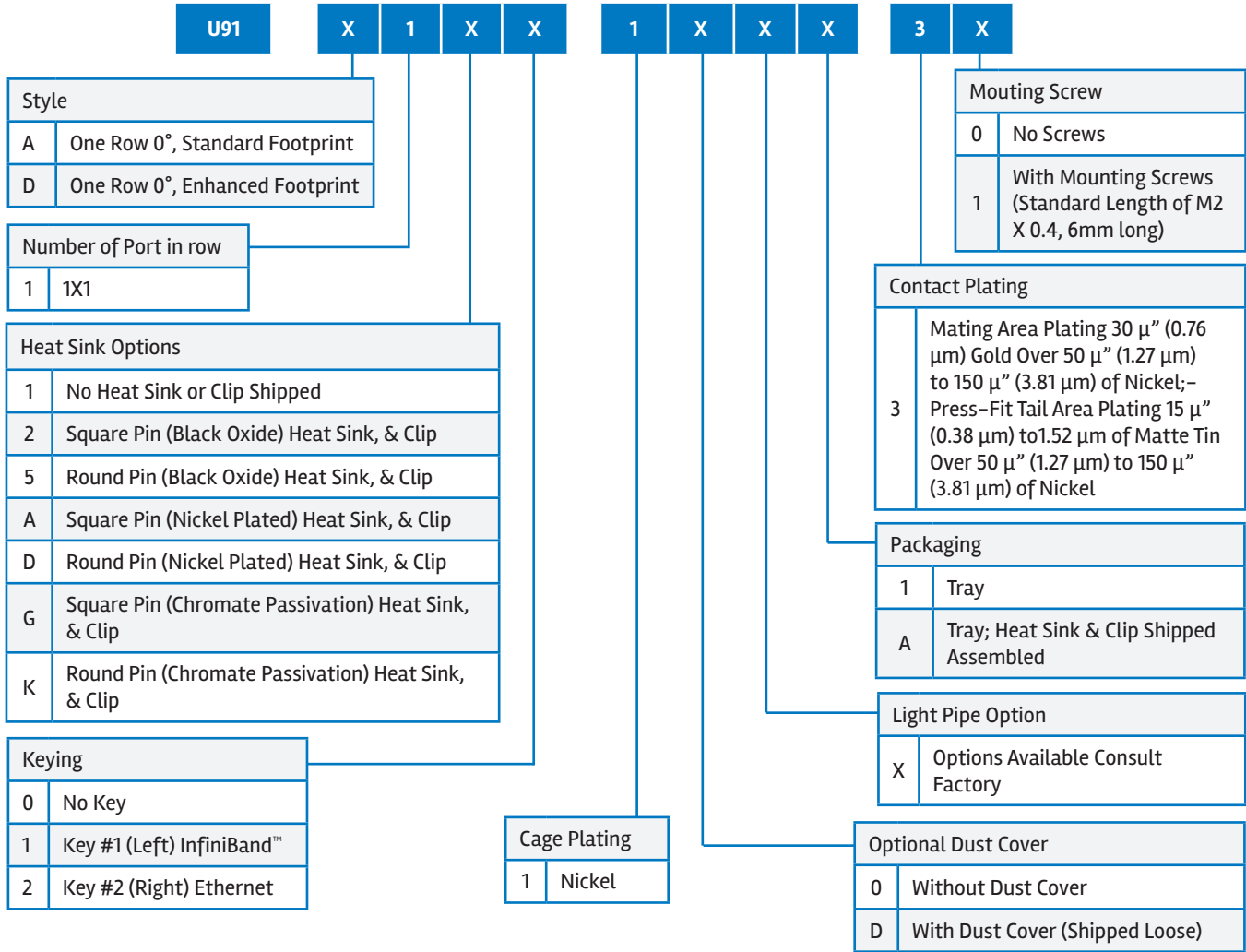


Controller Cards
Networking Equipment
NIC Cards
SAN – Storage Attached Networks
Blade Server
Computing Systems
DAS – Direct Attached Storage
Router
Server
Switch
Storage Systems



PART NUMBER SELECTOR

CXP Cage/Connector Combo



HSICXP018EA4