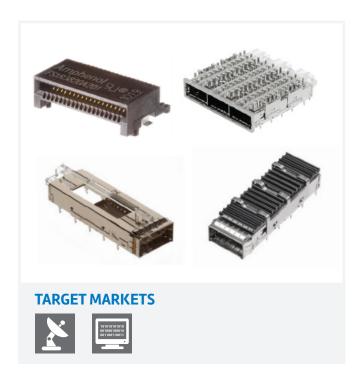


# ExpressPort® QSFP+

Amphenol ICC's ExpressPort® QSFP+ interconnect system is comprised of a 38 position 0.8mm pitch SMT connector, and a press-fit cage. With four channels of data in one pluggable, the system interface is capable of transferring data up to 16Gb/s per Channel, and replacing up to 4 standard SFP+ receptacles. These features result in greater port density and overall cost savings over traditional SFP+ products. Supporting standards include, Gigabit Ethernet, InfiniBand, and SONET/SDH with different data rate options. ExpressPort® QSFP+ includes cages in single, ganged and stacked configurations with multiple heat sink options supporting various thermal requirements and port status with light pipes options.



# **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
- Plating Mating Area: Gold
- Resonance Dampening Feature: Conductive Polymer

# **MECHANICAL PERFORMANCE**

- Durability: 250 mating cycles
- Mating Force: 40 N max.
- Contact Normal Force: 50 grams min.
- PCB Thickness Single Side (Cage): 1.44 mm (0.057in.) min.
- PCB Thickness Belly to Belly (Cage): 2.85 mm (0.093in.) min.
- Unmating Force (Cage): 30 N max.
- Insertion Force to PCB (Cage):
  - 780 N for 1 port
  - 1000 N for 2 Ports
- 1700 N for 4 Ports
- 2400 N for 6 Ports

# **ELECTRICAL PERFORMANCE**

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

### **ENVIRONMENTAL**

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

### **TOOLING INFORMATION**

- Cage Mounting: Behind Bezel, Thru Bezel, Hybrid
- EMI Options: Spring Fingers, Gasket
- Configurations:
- 1XN (N=1,2,3,4,6)
- 2XN (N=1,2,3)

## **TARGET MARKETS/APPLICATIONS**

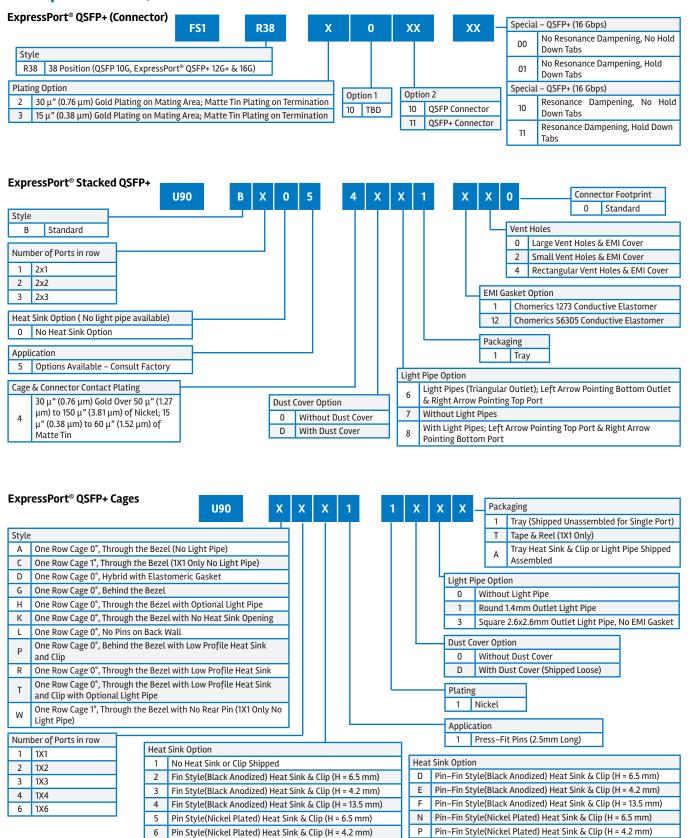


Network Interface Cards SAN-Storage Attached Networks



Hubs HBA Router Switch Servers

# ■ ExpressPort® QSFP+



Pin Style(Nickel Plated) Heat Sink & Clip (H = 13.5 mm)

Pin-Fin Style(Nickel Plated) Heat Sink & Clip (H = 13.5 mm)