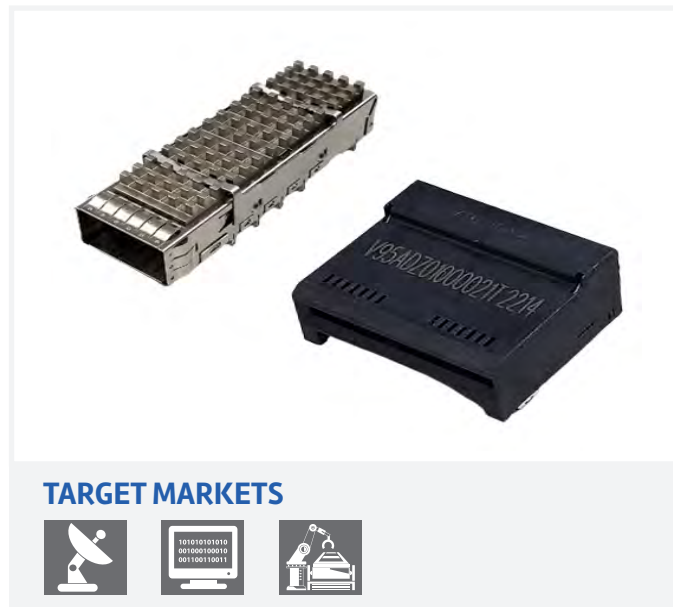


## ExtremePort™ QSFP 112G

### BACKWARDS PLUG COMPATIBLE AND SUPERIOR SIGNAL INTEGRITY

Amphenol's ExtremePort™ QSFP 112G interconnect system is comprised of a 38-position, 0.8mm pitch connector built for use in high speed serial applications. Each port offers 4 channels which increases port density, frees up board real estate and delivers a cost optimized solution. The ExtremePort™ QSFP112G connector supports next generation 400G applications and transmits up to 112Gb/s PAM4 per channel. It features a stamped and formed contact design providing improved mechanical durability. The resonance dampening features of the design allow for superior signal integrity performance, minimized crosstalk, and minimized impedance discontinuity across the connector interface.

- 400Gb/s aggregated bandwidth solution
- Backwards plug compatible with QSFP28/56 optical transceivers
- Design minimizes crosstalk and transmission line impedance discontinuity and provides enhanced signal integrity



## TECHNICAL INFORMATION

### MATERIAL

- Housing: Black color, glass reinforced, lead free solder reflow process compatible thermo plastic
- Contacts Base Material: Copper alloy
- Plating Solder Tails: Matte tin
- Plating Mating Area: Gold
- Resonance Dampening Feature: Stainless steel

### MECHANICAL PERFORMANCE

- Durability: 250 mating cycles
- Mating Force: 60N max.
- Unmating Force (Cage): 30N max.
- Contact Normal Force: 0.5N min./pin
- PCB Thickness Single Side (Cage): 1.44mm (0.057in.) min.
- PCB Thickness Belly to Belly (Cage): 2.35mm (0.093in.) min.

### ELECTRICAL PERFORMANCE

- Operating Voltage: 30VDC per contact
- Operating Current: 0.5A per contact
- Differential Impedance:  $95\Omega \pm 10$

### ENVIRONMENTAL

- Operating and (Storage) Temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- RoHS & Halogen-free

### TOOLING INFORMATION

- Heat Sinks and Light Pipes: Available
  - Configurations: 0.8LL 1x1 available
  - 1XN 0.8LL

### TARGET MARKETS/APPLICATIONS



Cellular Infrastructure  
Network Interface Cards



Hubs  
Switch  
Servers  
Storage



Test and Measurement Equipment