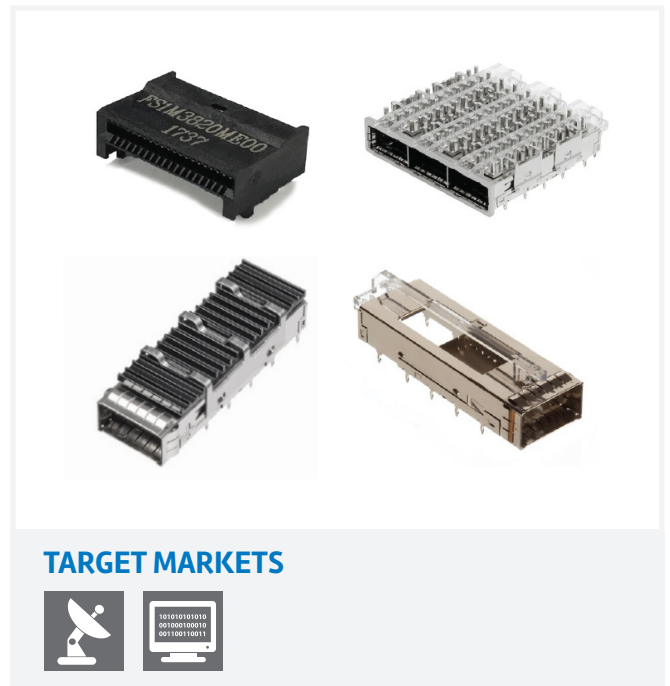


eQSFP

Amphenol's eQSFP 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 28 Gbps/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. eQSFP includes cages in single and ganged configurations with multiple heat sink options supporting various thermal requirements and port status with light pipes options.



TARGET MARKETS



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 (Cage): 1.44 mm min. for single mounted. (1xN)
- Belly to Belly (Cage): 2.85 mm min. for 1xN.
- 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 Ω +/- 10 Ω

ENVIRONMENTAL

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

TOOLING INFORMATION

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

TARGET MARKETS/APPLICATIONS



Router
Switches
Network Interface Card
Data Server
Hubs
HBA
SAN



PART NUMBER SELECTOR

eQSFP Series

