

# INTRODUCING STACKED QSFP+ CONNECTOR AND CAGE ASSEMBLIES

- Deliver unsurpassed EMI suppression
- Exceed competition with unmatched signal integrity performance



TE Connectivity (TE) introduces stacked QSFP+ connector and cage assemblies to its industry leading QSFP+ product portfolio. Stacked QSFP+ products help increase port density in a panel while providing some of the best EMI suppression in the industry. In addition, TE's stacked cages provide exceptional signal integrity exceeding competition by up to 8 dB at 5 GHz (10Gbps bandwidth) and support InfiniBand, 40G Ethernet and SAS applications.

## BENEFITS

- Support aggregate data speeds of 40 Gbps with channels of 10 Gbps per port
- Triple the density of traditional SFP+ ports and increase panel port density with stacked configurations
- Deliver excellent EMI suppression, offering up to a 10 dB (from 2-10 GHz) advantage over competition due to enhanced gasket and cage design
- Offer superior signal integrity, surpassing competition by up to 8 dB (at 5 GHz)
- Achieve top performing thermal conductivity properties
- Offer a compatible footprint and interface design; 2nd sourcing available

## APPLICATIONS

- Servers
- Switches
- Routers
- Network Interface Cards (NICs)

## MATERIALS

- Contacts: Gold or gold flash over palladium nickel
- Contact base: Copper alloy
- Contact plating: 0.76 with gold finish

## ELECTRICAL

- Data rates of 10-16 Gbps per channel (4 channels)
- Withstanding 120V AC
- Current of 0.5 A maximum per contact
- EMI containment: Elastomeric gasket
- Insulation resistance of 1000 MΩ minimum

## MECHANICAL

- Durability: 100 cycles
- Insertion force: 40N
- Extraction force: 30N with latches disabled

## STANDARDS AND SPECIFICATIONS

- 10 Gigabit/s and 40G Ethernet
  - InfiniBand: SDR, DDR, QDR and FDR
  - SAS
  - Product specifications: 108-2286 and 108-2425
  - Application specification: 114-32020
  - Qualification test report: 501-134009

## LEARN MORE

[QSFP/QSFP+ \(Quad Small Form Factor Pluggable\) Overview](#)

[QSFP+ Product Feature Selector](#)

[Pluggable Input/Output Solutions Virtual Sample Kit](#)

[QSFP+ Solutions Quick Reference Guide](#)



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