



Part Number : [1715651002](#)

Product Description : zQuad Small Form Factor Pluggable Plus (zQSFP+) Stacked Integrated 2-by-1 Connector and Cage with Elastomeric Gasket, Gold (Au) Over Nickel Plated, Up/Down Light Pipe

Series Number : 171565

Status : Active

Product Category : High-Speed I/O Connectors

Documents & Resources

Drawings

[1715651002 sd.pdf](#)

[PK-171565-0001-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[SYM-171565-1001-001.zip](#)

[EE-171081-3000-001.pdf](#)

[SP-171081-3000-001.zip](#)

Specifications


[AS-171565-0002-001.pdf](#)

[PS-171565-0001-001.pdf](#)

[TS-171565-0001-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|--|
| GADSL/IMDS | Not Relevant |
| China RoHS |  per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |

| | |
|------------|---|
| REACH SVHC | Contains Perfluorobutane sulfonic acid (PFBS) and its salts per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | High-Speed I/O Connectors |
| Series | 171565 |
| Description | zQuad Small Form Factor Pluggable Plus (zQSFP+) Stacked Integrated 2-by-1 Connector and Cage with Elastomeric Gasket, Gold (Au) Over Nickel Plated, Up/Down Light Pipe |
| Application | Board-to-Board, Module-to-Board, Wire-to-Board |
| Component Type | Receptacle |
| Product Name | zQSFP Plus,zQSFP+ |
| Type | Pluggable |
| UPC | 887191263656 |

Agency

| | |
|----|--------|
| UL | E29179 |
|----|--------|

Electrical

| | |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 0.5A |
| Data Rate | 28.0 Gbps |
| Grounding to Panel | Yes |
| Voltage - Maximum | 30V AC (RMS)/DC |

Physical

| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 76 |
| Circuits (maximum) | 76 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Matte Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 35.831/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tray |
| Panel Mount | N/A |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.57mm |
| PC Tail Length | 1.20mm |
| Pitch - Mating Interface | 0.80mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 0.762µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Ports | 2 |

| | |
|-------------------------------|------------------------------|
| Temperature Range - Operating | -40° to +85°C |
| Termination Interface Style | Through Hole - Compliant Pin |

Solder Process Data

| | |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|-----------------------------------|---------------|
| QSFP+-to-QSFP+ Cable Assemblies | <u>111040</u> |
| QSFP Cable Assemblies | <u>74757</u> |
| QSFP+ Universal Loopback Adapters | <u>74763</u> |

Application Tooling