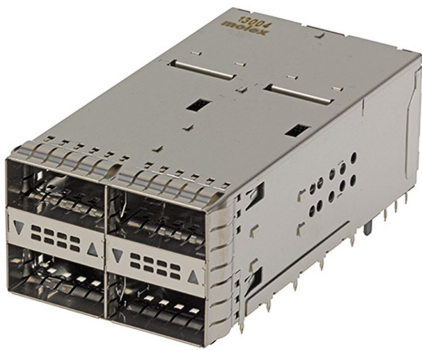




**Part Number :** [1717222101](#)  
**Product Description :** zQuad Small Form  
Factor Pluggable Plus (zQSFP+) Stacked  
Integrated 2-by-2 Connector and Cage with  
Metal EMI Gasket, Gold (Au) Over Nickel  
Plated  
**Series Number :** 171722  
**Status :** Active  
**Product Category :** High-Speed I/O  
Connectors



## Documents & Resources

**Drawings**  
[Drawing 1717222101\\_sd.pdf](#)  
[Packaging Design Drawing PK-171565-0001-001.pdf](#)

**3D Models and Design Files**  
[Electrical Model Document EE-171081-3000-001.pdf](#)  
[S-Parameter Model SP-171081-3000-001.zip](#)

**Specifications**  
[Application Specification AS-171565-0002-001.pdf](#)  
[Product Specification PS-171565-0001-001.pdf](#)  
[Test Summary TS-171565-0001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863                                                             |

Multiple Part Product Compliance Statements  
- Eu RoHS  
- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

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

#### EU RoHS Certificate of Compliance

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## Part Details

### General

|                |                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                           |
| Category       | High-Speed I/O Connectors                                                                                                                        |
| Series         | 171722                                                                                                                                           |
| Description    | zQuad Small Form Factor Pluggable Plus (zQSFP+) Stacked Integrated 2-by-2 Connector and Cage with Metal EMI Gasket, Gold (Au) Over Nickel Plated |
| Application    | Board-to-Board, Module-to-Board, Wire-to-Board                                                                                                   |
| Component Type | Receptacle                                                                                                                                       |
| Product Family | zQSFP+ and QSFP+ Integrated Product Solutions                                                                                                    |
| Product Name   | zQSFP Plus,zQSFP+                                                                                                                                |
| Type           | Pluggable                                                                                                                                        |
| UPC            | 887191735368                                                                                                                                     |

### Agency

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

### Electrical

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

## Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 152                            |
| Circuits (maximum)             | 152                            |
| 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                     | 62.211/g                       |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tray                           |
| Panel Mount                    | N/A                            |
| PC Tail Length                 | 1.20mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.57mm                         |
| 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                          | 4                              |
| Temperature Range - Operating  | -40° to +85°C                  |
| Termination Interface Style    | Through Hole - Compliant Pin   |

## Solder Process Data

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

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Mates With / Use With

Mates with Part(s)

| Description           | Part Number  |
|-----------------------|--------------|
| QSFP Cable Assemblies | <u>74757</u> |