

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION

**Part Number:** [1715651002](#)  
**Status:** **Active**  
**Overview:** [zQSFP+® Interconnect System](#)  
**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

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| <b>Documents:</b>                                              |                                                                    |
| <a href="#">3D Model</a>                                       | <a href="#">Application Specification AS-171565-0002-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Packaging Specification PK-171565-0001 (PDF)</a>       |
| <a href="#">Product Specification PS-171565-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>               |
| <a href="#">Product Specification TS-171565-0001-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                           |

**Agency Certification**

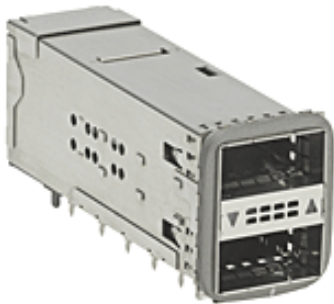
UL E29179

**General**

|                             |                                                |
|-----------------------------|------------------------------------------------|
| Product Family              | I/O Connectors                                 |
| Series                      | <a href="#">171565</a>                         |
| Application                 | Board-to-Board, Module-to-Board, Wire-to-Board |
| Component Type              | Receptacle                                     |
| Electrical Model            | Yes                                            |
| Overview                    | <a href="#">zQSFP+® Interconnect System</a>    |
| Product Literature Order No | 987650-5391                                    |
| Product Name                | zQSFP+™                                        |
| Type                        | N/A                                            |
| UPC                         | 887191263656                                   |

**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                    |
| PC Tail Length                 | 1.20mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.57mm                         |
| Packaging Type                 | Tray                           |
| Panel Mount                    | N/A                            |
| 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°C to +85°C                 |
| Termination Interface: Style   | Through Hole - Compliant Pin   |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[171565](#) Series

**Mates With**

[74757](#) , [111040](#) QSFP+ Cable Assemblies,  
[74763](#) QSFP+ Loopback Adapter, [111114](#)  
zQSFP+ Cable

**Electrical**

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

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                           |                                        |
|---------------------------|----------------------------------------|
| Application Specification | AS-171565-0002-001                     |
| Electrical Model Document | EE-171081-3000                         |
| Packaging Specification   | PK-171565-0001                         |
| Product Specification     | PS-171565-0001-001, TS-171565-0001-001 |
| S-Parameter Model         | SP-171081-3000                         |
| Sales Drawing             | SD-171565-2000                         |
| Signal Integrity Report   | SI-171565-0001                         |
| Symbol/Footprint Data     | SYM-171565-1001                        |

This document was generated on 09/22/2017

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**