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**Part Number:** [1715651003](#)  
**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, Down/Up Light Pipe

**Documents:**

<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**

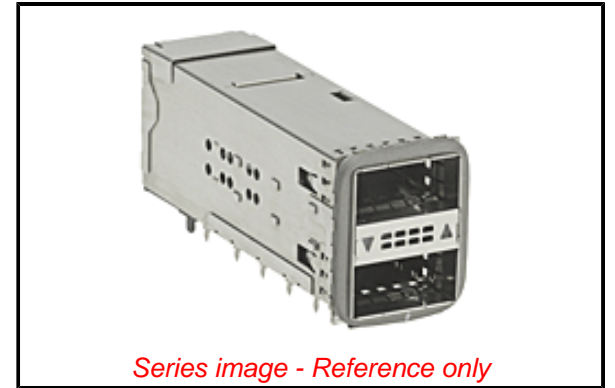
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**General**

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	887191263472

**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-free Process Capability	N/A
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**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

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