

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [1715650001](#)
Status: **Active**
Overview: zQSFP+® Interconnect System
Description: zQuad Small Form Factor Pluggable Plus (zQSFP+™) Stacked Integrated 2-by-2 Connector and Cage with Elastomeric Gasket, Gold (Au) Over Nickel Plated, No Light Pipes

Documents:

| | |
|--|--|
| 3D Model | Packaging Specification PK-171565-0001 (PDF) |
| Drawing (PDF) | Test Summary TS-171565-0001 (PDF) |
| Product Specification PS-171565-0001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Application Specification AS-171565-0002 (PDF) | |

Agency Certification

UL E29179

General

| | |
|------------------|--|
| Product Family | I/O Connectors |
| Series | 171565 |
| Application | Board-to-Board, Module-to-Board, Wire-to-Board |
| Component Type | Receptacle |
| Electrical Model | Yes |
| Overview | zQSFP+® Interconnect System |
| Product Name | zQSFP+™ |
| Type | N/A |
| UPC | 887191123820 |

Physical

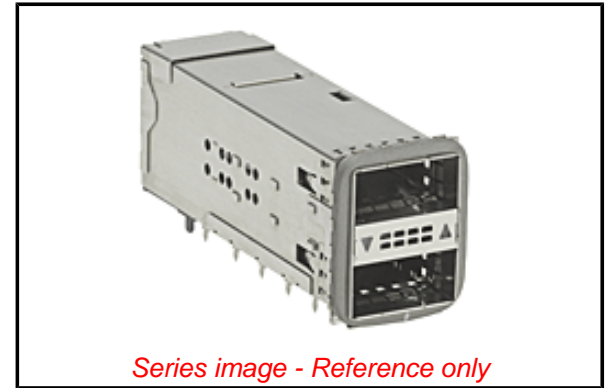
| | |
|--------------------------------|--------------------------------|
| Circuits (Loaded) | 152 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| Flammability | 94V-0 |
| Gender | N/A |
| Keying to Mating Part | None |
| Lock to Mating Part | Yes |
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold over Nickel |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 64.036/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PCB Retention | Yes |
| Packaging Type | Tray |
| Panel Mount | N/A |
| Pitch - Mating Interface | 0.80mm |
| Plating min - Mating | 2.540µm |
| Plating min - Termination | 0.762µm |
| Polarized to Mating Part | N/A |
| Ports | 4 |
| Termination Interface: Style | Through Hole |

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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

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

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[171565](#) Series

Mates With

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

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description

Product #

| | |
|-------------------------------------|----------------------------|
| zQSFP+ Multi-Port Connector Tooling | 0622025260 |
|-------------------------------------|----------------------------|

Material Info

Reference - Drawing Numbers

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

This document was generated on 06/13/2016

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION