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Part Number: [76871-0008](#)
Status: **Active**
Overview: [QSFP+ Interconnect Solution](#)
Description: Quad Small Form-factor Pluggable Plus (QSFP) Assembly, Stacked 2 by 1 with Elastomer Gaskets and Outer Light Pipes - Up/Down, Light Pipes, Tin

Documents:

3D Model	Application Specification AS-76870-001 (PDF)
Drawing (PDF)	Application Specification AS-76871-0002 (PDF)
Product Specification PS-76870-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

UL	E29179
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General

Product Family	I/O Connectors
Series	76871
Application	Module-to-Board
Component Type	Receptacle
Electrical Model	Yes
Overview	QSFP+ Interconnect Solution
Product Name	QSFP
Type	N/A
UPC	884982637320

Physical

Boot Color	N/A
Circuits (Loaded)	76
Circuits (maximum)	76
Circuits Detail	76
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	40.180/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	1.25mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface	0.80mm
Pitch - Termination Interface	0.80mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**
REACH SVHC
Contains SVHC: No
Low-Halogen Status
Not Low-Halogen

China RoHS



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environmental compliance?**

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of
Compliance, [click here](#)

Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series

[76871Series](#)

Use With

[74757](#) , [74758](#)

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 #
QSFP+ and zQSFP+ Multi-Port Connector	0622025300
Tooling	
Multi-Port Connector Extraction Tool	0622030390

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shield Type	EMI Gasket
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Application Specification	AS-76870-001, AS-76871-0002
Electrical Model Document	EE-76870-001
Product Specification	PS-76870-001
S-Parameter Model	SP-76870-001
Sales Drawing	SD-76871-001

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