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Part Number: [76870-0004](#)
Status: **Active**
Overview: Quad Small Form-factor Pluggable Plus (QSFP+) Interconnect Solution
Description: Quad Small Form-factor Pluggable Plus (QSFP) Assembly, Stacked 2 by 3 with Elastomer Gaskets and Light Pipes, Tin

Documents:

[3D Model](#) [Application Specification AS-76870-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-76870-001 \(PDF\)](#)

Agency Certification

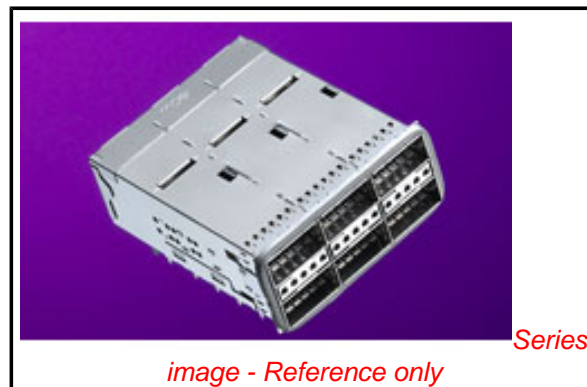
UL E29179

General

Product Family I/O Connectors
 Series [76870](#)
 Application Module-to-Board
 Component Type Receptacle
 Overview [Quad Small Form-factor Pluggable Plus \(QSFP+\)](#)
[Interconnect Solution](#)
 Product Name QSFP
 Type N/A
 UPC 884982637399

Physical

Boot Color N/A
 Circuits (Loaded) 228
 Circuits (maximum) 228
 Circuits Detail 228
 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 109.010/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 6
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating -40°C to +85°C
 Termination Interface: Style Through Hole - Compliant Pin
 Waterproof / Dustproof No



EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
Low-Halogen Status
Not Low-Halogen

China RoHS



Need more information on product 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

[76870Series](#)

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 #
Insertion Tool for Multi-Port Connector	0622029630
Removal Tool for Multi-Port Connector	0622029640

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
Product Specification	PS-76870-001
S-Parameter Model	SP-76870-001
Sales Drawing	SD-76870-001, SD-76870-2000

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