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Part Number: [0768700004](#)
Status: **Active**
Overview: [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-76870-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-76870-001-001 \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family I/O Connectors
 Series [76870](#)
 Application Module-to-Board
 Component Type Receptacle
 Electrical Model Yes
 Overview [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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/21/2016 (20 June
 2016)

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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[76870](#) Series

Use With

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

Electrical

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

Solder Process Data

Lead-freeProcess Capability	N/A
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Material Info**Reference - Drawing Numbers**

Application Specification	AS-76870-001-001
Electrical Model Document	EE-76870-001
Product Specification	PS-76870-001-001
S-Parameter Model	SP-76870-001
Sales Drawing	SD-76870-001, SD-76870-2000

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