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**Part Number:** **0768700003**  
**Status:** **Active**  
**Overview:** QSFP+ Interconnect Solution  
**Description:** Quad Small Form-factor Pluggable Plus QSFP+ Assembly, Stacked 2 by 3 with Elastomer Gaskets, 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 884982637375

**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 107.542/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](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

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

**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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