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**Part Number:** [76871-1301](#)  
**Status:** **Active**  
**Overview:** Quad Small Form-factor Pluggable Plus (QSFP+) Interconnect Solution  
**Description:** Quad Small Form-factor Pluggable Plus (QSFP) Assembly, Stacked 2 by 1 with Elastomer Gaskets and No Light Pipes, Tin

**Documents:**

[Drawing \(PDF\)](#) [Application Specification AS-76871-0002 \(PDF\)](#)  
[Product Specification PS-76870-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification AS-76870-001 \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family I/O Connectors  
 Series [76871](#)  
 Application Module-to-Board  
 Component Type Receptacle  
 Overview [Quad Small Form-factor Pluggable Plus \(QSFP+\) Interconnect Solution](#)  
 Product Name QSFP  
 Type N/A  
 UPC 884982810846

**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 33.871/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



image - Reference only

Series

**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](mailto: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

**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**

Duration at Max. Process Temperature (seconds)	20
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Application Specification	AS-76870-001, AS-76871-0002
Product Specification	PS-76870-001
S-Parameter Model	SP-76870-001
Sales Drawing	SD-76871-1301

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