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Part Number:

76870-0003

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, Tin



Series

image - Reference only

Documents:

3D Model

Drawing (PDF)

Product Specification PS-76870-001 (PDF)

Application Specification AS-76870-001 (PDF)

RoHS Certificate of Compliance (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

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

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

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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