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Part Number:

0768710005

Status:

Active

Overview:

QSFP+ Interconnect Solution

Description:

Quad Small Form-factor Pluggable Plus (QSFP) Assembly, Stacked 2 by 1 with Elastomer Gaskets, Tin

Documents:

3D Model

Drawing (PDF)

Product Specification PS-76870-001-001 (PDF)

Application Specification AS-76870-001-001 (PDF)

Application Specification AS-76871-0002-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                              |
|--------------------------------|------------------------------|
| Agency Certification           |                              |
| UL                             | E29179                       |
| General                        |                              |
| Product Family                 | I/O Connectors               |
| Series                         | 76871                        |
| Application                    | Module-to-Board              |
| Component Type                 | Receptacle                   |
| Electrical Model               | Yes                          |
| Overview                       | QSFP+ Interconnect Solution  |
| Product Name                   | QSFP                         |
| Type                           | N/A                          |
| UPC                            | 884982637207                 |
| 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                     | 39.492/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                           |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

76871 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 |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                           |                                     |
|---------------------------|-------------------------------------|
| Application Specification | AS-76870-001-001, AS-76871-0002-001 |
| Electrical Model Document | EE-76870-001                        |
| Product Specification     | PS-76870-001-001                    |
| S-Parameter Model         | SP-76870-001                        |
| Sales Drawing             | SD-76871-001                        |

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