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Part Number:

76091-5003

Status:

Active

Overview:

SFP+ Stacked Multi-Port Connectors

Description:

Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-2 Multi-Port Connector with 2 Outer Lightpipe Ports, Elastomeric Gasket, 80 Circuits, Tin (Sn) Tails

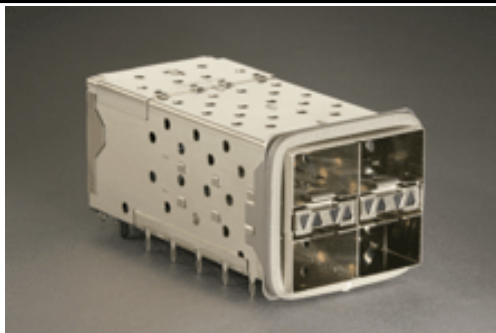


image - Reference onlySeries

- Documents:
- 3D Model

Application Specification AS-76090-001 (PDF)
- Drawing (PDF)

Packaging Specification PK-75714-001 (PDF)
- Product Specification PS-75310-001 (PDF)

Test Summary TS-76092-999 (PDF)
- Application Specification AS-75310-001 (PDF)

RoHS Certificate of Compliance (PDF)

| Agency Certification           |                                               |
|--------------------------------|-----------------------------------------------|
| CSA                            | LR19980                                       |
| UL                             | E29179                                        |
| General                        |                                               |
| Product Family                 | I/O Connectors                                |
| Series                         | 76091                                         |
| Application                    | Module-to-Board                               |
| Component Type                 | Receptacle                                    |
| Overview                       | SFP+ Stacked Multi-Port Connectors            |
| Product Name                   | SFP Plus                                      |
| Type                           | N/A                                           |
| UPC                            | 883906495046                                  |
| Physical                       |                                               |
| Boot Color                     | N/A                                           |
| Circuits (Loaded)              | 80                                            |
| Circuits (maximum)             | 80                                            |
| Circuits Detail                | 160                                           |
| Color - Resin                  | Black, Clear (Blue Tint)                      |
| Durability (mating cycles max) | 100                                           |
| Flammability                   | 94V-0                                         |
| Gender                         | Female                                        |
| Keying to Mating Part          | None                                          |
| Lock to Mating Part            | Yes                                           |
| Material - Metal               | High Performance Alloy (HPA)                  |
| Material - Plating Mating      | Gold                                          |
| Material - Plating Termination | Tin                                           |
| Material - Resin               | High Temperature Thermoplastic, Polycarbonate |
| Net Weight                     | 50.018/g                                      |
| Number of Rows                 | 2                                             |
| Orientation                    | Right Angle                                   |
| PC Tail Length                 | 2.07mm                                        |
| 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                                        |
| Plating min - Mating           | 0.762µm                                       |
| Plating min - Termination      | 0.762µm                                       |
| Polarized to Mating Part       | Yes                                           |
| Polarized to PCB               | Yes                                           |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

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

76091Series

Use With

75951-0999 SFP Dust Plug

| 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 #  |
| Stacked Multi-Port Extraction Tool, 2 by 2                                                                                                                                      | 0622029975 |
| Stacked Multi-Port Connector Tooling                                                                                                                                            | 0622030160 |

|                                |                              |
|--------------------------------|------------------------------|
| Surface Mount Compatible (SMC) | No                           |
| Temperature Range - Operating  | -40°C to +85°C               |
| Termination Interface: Style   | Through Hole - Compliant Pin |
| Waterproof / Dustproof         | No                           |

**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-75310-001, AS-76090-001 |
| Electrical Model Document | EE-76090-001               |
| Packaging Specification   | PK-75714-001               |
| Product Specification     | PS-75310-001               |
| S-Parameter Model         | SP-76090-001               |
| Sales Drawing             | SD-76091-001               |
| Test Summary              | TS-76092-999               |

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