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Part Number:

0039291048

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 4 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating

Documents:

3D Model

Application Specification AS-5557-001-001 (PDF)

Drawing (PDF)

Packaging Specification 55690001-PK-000 (PDF)

Product Specification PS-45750-001-001 (PDF)

Packaging Specification PK-5569-002-001 (PDF)

Product Specification PS-5556-001-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                                                                                           |
| CSA                            | LR19980                                                                                                                                                                                                                                   |
| UL                             | E29179                                                                                                                                                                                                                                    |
| General                        |                                                                                                                                                                                                                                           |
| Product Family                 | PCB Headers                                                                                                                                                                                                                               |
| Series                         | 5569                                                                                                                                                                                                                                      |
| Application                    | Power, Wire-to-Board                                                                                                                                                                                                                      |
| Comments                       | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex Product specification PS-5556-001 for additional current de-rating information. |
| Overview                       | Mini-Fit Jr. Power Connectors                                                                                                                                                                                                             |
| Product Name                   | Mini-Fit Jr.                                                                                                                                                                                                                              |
| UPC                            | 800753580923                                                                                                                                                                                                                              |
| Physical                       |                                                                                                                                                                                                                                           |
| Breakaway                      | No                                                                                                                                                                                                                                        |
| Circuits (Loaded)              | 4                                                                                                                                                                                                                                         |
| Circuits (maximum)             | 4                                                                                                                                                                                                                                         |
| Color - Resin                  | Natural                                                                                                                                                                                                                                   |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                        |
| First Mate / Last Break        | No                                                                                                                                                                                                                                        |
| Flammability                   | 94V-2                                                                                                                                                                                                                                     |
| Glow-Wire Capable              | No                                                                                                                                                                                                                                        |
| Guide to Mating Part           | No                                                                                                                                                                                                                                        |
| Keying to Mating Part          | None                                                                                                                                                                                                                                      |
| Lock to Mating Part            | Yes                                                                                                                                                                                                                                       |
| Material - Metal               | Brass                                                                                                                                                                                                                                     |
| Material - Plating Mating      | Matte Tin                                                                                                                                                                                                                                 |
| Material - Plating Termination | Matte Tin                                                                                                                                                                                                                                 |
| Material - Resin               | Nylon                                                                                                                                                                                                                                     |
| Net Weight                     | 1.786/g                                                                                                                                                                                                                                   |
| Number of Rows                 | 2                                                                                                                                                                                                                                         |
| Orientation                    | Right Angle                                                                                                                                                                                                                               |
| PCB Locator                    | Yes                                                                                                                                                                                                                                       |
| PCB Retention                  | Yes                                                                                                                                                                                                                                       |
| PCB Thickness - Recommended    | 1.78mm                                                                                                                                                                                                                                    |
| Packaging Type                 | Bag                                                                                                                                                                                                                                       |
| Pitch - Mating Interface       | 4.20mm                                                                                                                                                                                                                                    |
| Pitch - Termination Interface  | 4.20mm                                                                                                                                                                                                                                    |
| Plating min - Mating           | 2.540µm                                                                                                                                                                                                                                   |
| Plating min - Termination      | 2.540µm                                                                                                                                                                                                                                   |
| Polarized to Mating Part       | Yes                                                                                                                                                                                                                                       |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - ED/61/2018 (27 June 2018)                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

5569 Series

Mates With

Mini-Fit Jr. Receptacle Housing 5557

<br>Mini-Fit Jr. TPA Cable Assembly 45135

<br>Mini-Fit Jr. Cable Assembly 245135

|                                                |                                   |
|------------------------------------------------|-----------------------------------|
| Polarized to PCB                               | Yes                               |
| Shrouded                                       | Fully                             |
| Stackable                                      | No                                |
| Surface Mount Compatible (SMC)                 | No                                |
| Temperature Range - Operating                  | -40° to +105°C                    |
| Termination Interface: Style                   | Through Hole                      |
| <b>Electrical</b>                              |                                   |
| Current - Maximum per Contact                  | 13.0A                             |
| Voltage - Maximum                              | 600V                              |
| <b>Solder Process Data</b>                     |                                   |
| Duration at Max. Process Temperature (seconds) | 005                               |
| Lead-freeProcess Capability                    | WAVE                              |
| Max. Cycles at Max. Process Temperature        | 001                               |
| Process Temperature max. C                     | 260                               |
| <b>Material Info</b>                           |                                   |
| Engineering Number                             | 5569-04A1                         |
| <b>Reference - Drawing Numbers</b>             |                                   |
| Application Specification                      | AS-5557-001-001                   |
| Packaging Specification                        | 55690001-PK-000, PK-5569-002-001  |
| Product Specification                          | PS-45750-001-001, PS-5556-001-001 |
| Sales Drawing                                  | SD-5569-002-000                   |

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