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Part Number:

39-29-1167

Status:

Active

Overview:

Mini-Fit Jr.™ Power Connectors

Description:

Mini-Fit® Jr. Header, Dual Row, Right Angle, with PCB Mounting Flange, 16 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45750-001 (PDF)

Product Specification PS-5556-001 (PDF)

Packaging Specification PK-5569-002 (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                            | 800753580602                                                                                                                                                                                                                               |
| Physical                       |                                                                                                                                                                                                                                            |
| Breakaway                      | No                                                                                                                                                                                                                                         |
| Circuits (Loaded)              | 16                                                                                                                                                                                                                                         |
| Circuits (maximum)             | 16                                                                                                                                                                                                                                         |
| Color - Resin                  | Natural                                                                                                                                                                                                                                    |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                         |
| First Mate / Last Break        | No                                                                                                                                                                                                                                         |
| Flammability                   | 94V-0                                                                                                                                                                                                                                      |
| Glow-Wire Compliant            | No                                                                                                                                                                                                                                         |
| Guide to Mating Part           | No                                                                                                                                                                                                                                         |
| Keying to Mating Part          | None                                                                                                                                                                                                                                       |
| Lock to Mating Part            | Yes                                                                                                                                                                                                                                        |
| Material - Metal               | Brass                                                                                                                                                                                                                                      |
| Material - Plating Mating      | Tin                                                                                                                                                                                                                                        |
| Material - Plating Termination | Tin                                                                                                                                                                                                                                        |
| Material - Resin               | Nylon                                                                                                                                                                                                                                      |
| Net Weight                     | 5.945/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           | 0.762µm                                                                                                                                                                                                                                    |
| Plating min - Termination      | 5.080µm                                                                                                                                                                                                                                    |
| Polarized to Mating Part       | Yes                                                                                                                                                                                                                                        |



image - Reference only

Series

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

5569Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing

|                                |                 |
|--------------------------------|-----------------|
| Polarized to PCB               | Yes             |
| Shrouded                       | Fully           |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 13A  |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |

**Material Info**

|                 |               |
|-----------------|---------------|
| Old Part Number | 5569-16A1-210 |
|-----------------|---------------|

**Reference - Drawing Numbers**

|                         |                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------|
| Packaging Specification | PK-5569-002                                                                          |
| Product Specification   | PS-45750-001, PS-5556-001, RPS-5557-024,<br>RPS-5557-031, RPS-5557-036, RPS-5557-050 |
| Sales Drawing           | SD-5569-002                                                                          |

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