



Part Number : 39300200

Series Number : 5569

Product Category : PCB Headers and Receptacles

Product Description : Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 20 Circuits, PA Polyamide Nylon 6/6 94V-0, 2.54µm Matte Tin (Sn) Plating

Status : Active

Engineering Number : 5569-20A2-210

Documents & Resources

Drawings

Drawing 039300200\_sd.pdf

3D Models and Design Files

3D Model 039300200\_stp.zip

Symbol Footprint Data SYM-39-30-1200-001.zip

Specifications

Application Specification AS-5557-001-001.pdf

Packaging Specification PK-5569-002-001.pdf

Product Specification PS-45750-001-001.pdf

Product Specification PS-5556-001-001.pdf

Test Summary TS-5556-002-001.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                       |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| EU RoHS            | Compliant per EU 2015/863                                                             |

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                                   |
| Category       | PCB Headers and Receptacles                                                                                                                                                                                                              |
| Series         | 5569                                                                                                                                                                                                                                     |
| Description    | Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 20 Circuits, PA Polyamide Nylon 6/6 94V-0, 2.54µm Matte Tin (Sn) Plating                                                                                  |
| 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. |
| Component Type | PCB Header                                                                                                                                                                                                                               |
| Product Family | Mini-Fit Family Power Connectors                                                                                                                                                                                                         |
| Product Name   | Mini-Fit Jr.                                                                                                                                                                                                                             |
| UPC            | 800754378598                                                                                                                                                                                                                             |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

#### Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum             | 600V  |

## Physical

|                                |                |
|--------------------------------|----------------|
| Breakaway                      | No             |
| Circuits (Loaded)              | 20             |
| Circuits (maximum)             | 20             |
| Color - Resin                  | Natural        |
| Durability (mating cycles max) | 30             |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-0          |
| 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                     | 7.198/g        |
| Number of Rows                 | 2              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Bag            |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.78mm         |
| 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            |
| Polarized to PCB               | Yes            |
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface Style    | Through Hole   |

Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 240  |

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Mates With / Use With

Mates with Part(s)

|                                                                                    |               |
|------------------------------------------------------------------------------------|---------------|
| Description                                                                        | Part Number   |
| Mini-Fit TPA2 and Mini-Fit Sigma<br>Terminal Position Assurance (TPA)<br>Retainers | <u>172709</u> |
| Mini-Fit Jr. Receptacle Housings                                                   | <u>5557</u>   |