



**Part Number :** 39303047

**Series Number :** 5569

**Product Category :** PCB Headers and Receptacles

**Product Description :** Mini-Fit Jr. Header, Single Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 4 Circuits, PA Polyamide Nylon 6/6, 94V-2, (Au) Plating

**Status :** Active

**Engineering Number :** 5569-04A4G

Documents & Resources

Drawings

Drawing 039303047\_sd.pdf

3D Models and Design Files

3D Model 039303047\_stp.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         | Not Relevant                                                                          |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 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

---

### Part Details

#### General

|                |                                                                                                                                                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                                  |
| Category       | PCB Headers and Receptacles                                                                                                                                                                                                             |
| Series         | 5569                                                                                                                                                                                                                                    |
| Description    | Mini-Fit Jr. Header, Single Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 4 Circuits, PA Polyamide Nylon 6/6, 94V-2, (Au) 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 derating information. |
| Component Type | PCB Header                                                                                                                                                                                                                              |
| Product Family | Mini-Fit Family Power Connectors                                                                                                                                                                                                        |
| Product Name   | Mini-Fit Jr.                                                                                                                                                                                                                            |
| UPC            | 800754316040                                                                                                                                                                                                                            |

#### Agency

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

#### Electrical

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

#### 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      | Gold           |
| Material - Plating Termination | Matte Tin      |
| Material - Resin               | Nylon          |
| Net Weight                     | 1.430/g        |
| Number of Rows                 | 1              |
| 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           | 0.762µm        |
| 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  |

---

**Mates With / Use With**

**Mates with Part(s)**

|                                                                                  |                 |
|----------------------------------------------------------------------------------|-----------------|
| Description                                                                      | Part Number     |
| Mini-Fit Jr. Receptacle Housing,<br>Single Row, 4 Circuits, UL 94V-2,<br>Natural | <u>39014040</u> |
| Mini-Fit TPA2 and Mini-Fit Sigma<br>Dual Row Receptacle Housings                 | <u>172708</u>   |