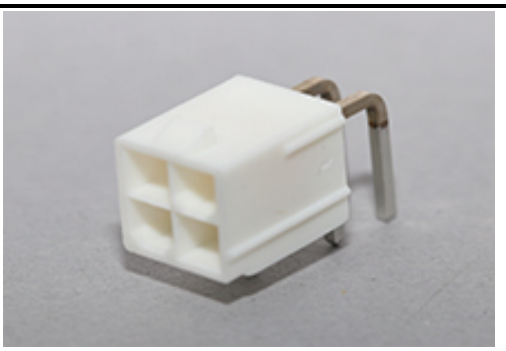
This document was generated on 08/19/2021

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** 0039301042
**Status:** Active
**Overview:** Mini-Fit Family Power Connectors
**Description:** Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 4 Circuits, PA Polyamide Nylon 6/6 94V-0, 0.76µm Select Gold (Au) Plating



*Series image - Reference only*

**Documents:**

- Drawing (PDF)
- 3D Model
- 3D Model (PDF)
- Product Specification PS-45750-001-001 (PDF)
- Product Specification PS-5556-001-001 (PDF)
- Application Specification AS-5557-001-001 (PDF)
- Packaging Specification PK-5569-002-001 (PDF)
- Test Summary TS-5556-002-001 (PDF)
- Symbol Footprint Data SYM-39-30-1040-001 (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 Family Power Connectors |
| Product Name | Mini-Fit Jr. |
| UPC | 800754379021 |

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| 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 | Gold |
| Material - Plating Termination | Matte Tin |
| Material - Resin | Nylon |
| Net Weight | 1.561/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 | 2.540µm |

**EU ELV**
**Not Relevant**

**EU RoHS** | **China RoHS**
**Compliant**

**REACH SVHC**
Not Contained Per - D(2021)4569-DC (8 July 2021)

**Halogen-Free Status**
**Low-Halogen**

For more information, please visit Contact US

| | |
|---|---|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**
5569 Series

**Mates With**
5557 Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing 172708

| | |
|---|---|
| Polarized to Mating Part | Yes |
| 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 |

**Electrical**

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

**Solder Process Data**

| | |
|---|---|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-freeProcess Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 240 |

**Material Info**

| | |
|---|---|
| Engineering Number | 5569-04A2G-210 |

**Reference - Drawing Numbers**

| | |
|---|---|
| Application Specification | AS-5557-001-001 |
| Packaging Specification | PK-5569-002-001 |
| Product Specification | PS-45750-001-001, PS-5556-001-001 |
| Sales Drawing | 55690002-SD-000 |
| Symbol/Footprint Data | SYM-39-30-1040-001 |
| Test Summary | TS-5556-002-001 |