

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0039291108](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 10 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating

Documents:

| | |
|--|---|
| Drawing (PDF) | Application Specification AS-5557-001-001 (PDF) |
| 3D Model | Packaging Specification 55690001-PK-000 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-5569-002-001 (PDF) |
| Product Specification PS-45750-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-5556-001-001 (PDF) | |

Agency Certification

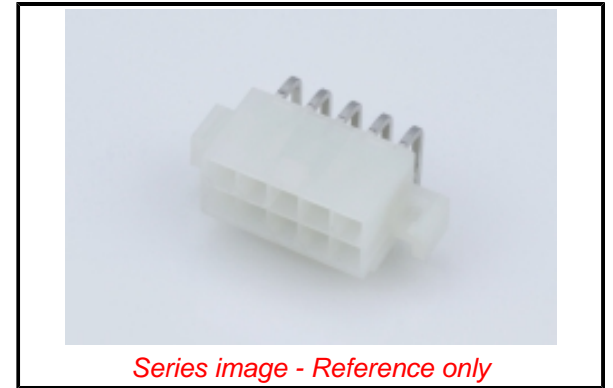
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

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. |
| Component Type | PCB Header |
| Overview | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit Jr. |
| Taxonomy | PCB Headers and Receptacles |
| UPC | 800754314138 |

Physical

| | |
|--------------------------------|--------------|
| Breakaway | No |
| Circuits (Loaded) | 10 |
| Circuits (maximum) | 10 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0, 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 | 3.793/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 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained per -
D(2022)9120-DC (17
Jan 2023)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[5569](#) Series

Mates With

Mini-Fit Jr. Receptacle Housing [5557](#)

Mini-Fit Jr. Cable Assembly [245135](#) ,
 Mini-Fit TPA2 Receptacle Housing [172708](#)

| | |
|--------------------------------|----------------|
| Plating min - Mating | 2.540µm |
| Plating min - Termination | 2.540µm |
| 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-free Process Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 260 |

Material Info

| | |
|--------------------|-----------|
| Engineering Number | 5569-10A1 |
|--------------------|-----------|

Reference - Drawing Numbers

| | |
|---------------------------|-----------------------------------|
| 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 |

This document was generated on 03/06/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION