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**Part Number:** [0039301100](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 10 Circuits, Nylon 6/6 94V-2, 2.54µm Matte Tin (Sn) Plating, Natural, Bag

**Documents:**

|                                                                 |                                                                |
|-----------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model (PDF)</a>                                  | <a href="#">Packaging Specification PK-5569-002-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Packaging Specification SPK-5569-NA2-001 (PDF)</a> |
| <a href="#">3D Model</a>                                        | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>             |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a>    | <a href="#">Symbol Footprint Data SYM-39-30-1100-001 (PDF)</a> |
| <a href="#">Product Specification PS-5556-001-001 (PDF)</a>     | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Application Specification AS-5557-001-001 (PDF)</a> |                                                                |

**Agency Certification**

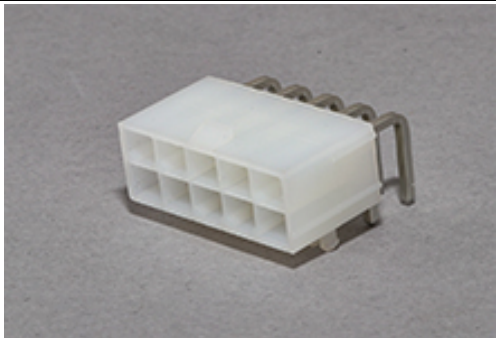
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |                                                                                                                                                                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                                                                                                                                                               |
| Series         | <a href="#">5569</a>                                                                                                                                                                                                                                      |
| Application    | Power, Wire-to-Board                                                                                                                                                                                                                                      |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> 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       | <a href="#">Mini-Fit Family Power Connectors</a>                                                                                                                                                                                                          |
| Product Name   | Mini-Fit Jr.                                                                                                                                                                                                                                              |
| UPC            | 800753748132                                                                                                                                                                                                                                              |

**Physical**

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 10          |
| Circuits (maximum)             | 10          |
| 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      | Matte Tin   |
| Material - Plating Termination | Matte Tin   |
| Material - Resin               | Nylon       |
| Net Weight                     | 3.692/g     |
| Number of Rows                 | 2           |
| Orientation                    | Right Angle |
| PC Tail Length                 | 3.60mm      |
| 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(2020)9139-DC (19  
Jan 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**

Mini-Fit Jr. Receptacle Housing [5557](#)  
<br>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                      |
| <b>Electrical</b>                              |                                   |
| Current - Maximum per Contact                  | 13.0A                             |
| Voltage - Maximum                              | 600V AC (RMS)/DC                  |
| <b>Solder Process Data</b>                     |                                   |
| Duration at Max. Process Temperature (seconds) | 005                               |
| Lead-freeProcess Capability                    | WAVE                              |
| Max. Cycles at Max. Process Temperature        | 001                               |
| Process Temperature max. C                     | 240                               |
| <b>Material Info</b>                           |                                   |
| Engineering Number                             | 5569-10A2                         |
| <b>Reference - Drawing Numbers</b>             |                                   |
| Application Specification                      | AS-5557-001-001                   |
| Packaging Specification                        | PK-5569-002-001, SPK-5569-NA2-001 |
| Product Specification                          | PS-45750-001-001, PS-5556-001-001 |
| Sales Drawing                                  | 55690002-SD-000                   |
| Symbol/Footprint Data                          | SYM-39-30-1100-001                |
| Test Summary                                   | TS-5556-002-001                   |

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