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**Part Number:** [0039013029](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** Mini-Fit Jr. Plug Housing, Dual Row, 2 Circuits, UL 94V-0, without Panel Mounting Ears, Natural

**Documents:**

|                                                                 |                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------|
| <a href="#">3D Model (PDF)</a>                                  | <a href="#">Application Specification AS-5557-001-001 (PDF)</a> |
| <a href="#">3D Model</a>                                        | <a href="#">Packaging Specification PK-5559-002-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Test Summary 55560010-TS-000 (PDF)</a>              |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a>    | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>              |
| <a href="#">Product Specification PS-5556-001-001 (PDF)</a>     | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Application Specification 55560001-AS-000 (PDF)</a> |                                                                 |

**Agency Certification**

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

**General**

|                |                                                                                                                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | Crimp Housings                                                                                                                                                                                                                             |
| Series         | <a href="#">5559</a>                                                                                                                                                                                                                       |
| Application    | Power, Wire-to-Board, Wire-to-Wire                                                                                                                                                                                                         |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current derating information. |
| Overview       | <a href="#">Mini-Fit Family Power Connectors</a>                                                                                                                                                                                           |
| Product Name   | Mini-Fit Jr.                                                                                                                                                                                                                               |
| UPC            | 800753584068                                                                                                                                                                                                                               |

**Physical**

|                               |                |
|-------------------------------|----------------|
| Breakaway                     | No             |
| Circuits (maximum)            | 2              |
| Color - Resin                 | Natural        |
| Flammability                  | 94V-0          |
| Gender                        | Plug           |
| Glow-Wire Capable             | No             |
| Keying to Mating Part         | None           |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Nylon          |
| Net Weight                    | 0.900/g        |
| Number of Rows                | 2              |
| Packaging Type                | Bag            |
| Panel Mount                   | No             |
| Pitch - Mating Interface      | 4.20mm         |
| Pitch - Termination Interface | 4.20mm         |
| Polarized to Mating Part      | Yes            |
| Stackable                     | No             |
| Temperature Range - Operating | -40° to +105°C |

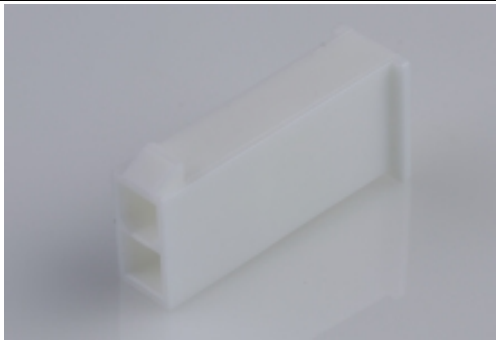
**Electrical**

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
|-------------------------------|-------|

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**



Series image - Reference only

**EU ELV**

**Compliant**

**EU 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             | Compliant     |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[5559](#) Series

**Mates With**

Mini-Fit Jr. Receptacle Housing [39013028](#)  
, [39012025](#) <br>Mini-Fit Jr. TPA Cable  
Assembly [45135](#) <br>Mini-Fit Jr. Cable  
Assembly [245135](#)

**Use With**

Mini-Fit Male Crimp Terminals [5558](#)  
<br>Mini-Fit Plus HCS Crimp Terminals  
[46012](#) <br>Mini-Fit Jr. Grounding Pin [30490](#)  
<br>Mini-Fit Pre-Crimped Leads [797580005](#)  
, [797580013](#) <br>Mini-Fit Jr. Backshell  
[204723](#)

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Engineering Number                 | 5559-02P1-210                     |
| <b>Reference - Drawing Numbers</b> |                                   |
| Application Specification          | 55560001-AS-000, AS-5557-001-001  |
| Packaging Specification            | PK-5559-002-001                   |
| Product Specification              | PS-45750-001-001, PS-5556-001-001 |
| Sales Drawing                      | 55590001-SD-000                   |
| Test Summary                       | 55560010-TS-000, TS-5556-002-001  |

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