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**Part Number:** [0039012121](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr.™ Power Connectors](#)  
**Description:** Mini-Fit Jr.™ Plug Housing, Dual Row, 12 Circuits, UL 94V-2, with Panel Mounting Ears, Natural

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification PS-5556-001 (PDF)</a>       |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-5559-001-001 (PDF)</a> |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (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. |
| MolexKits      | Yes  |
| Overview       | <a href="#">Mini-Fit Jr.™ Power Connectors</a>   |
| Product Name   | Mini-Fit Jr.™  |
| UPC            | 800753755161   |

**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Breakaway                     | No              |
| Circuits (maximum)            | 12              |
| Color - Resin                 | Natural         |
| Flammability                  | 94V-2           |
| Gender                        | Plug            |
| Glow-Wire Compliant           | No              |
| Material - Resin              | Nylon           |
| Net Weight                    | 3.769/g         |
| Number of Rows                | 2               |
| Packaging Type                | Bag             |
| Panel Mount                   | Yes             |
| Pitch - Mating Interface      | 4.20mm          |
| Pitch - Termination Interface | 4.20mm          |
| Polarized to Mating Part      | Yes             |
| Stackable                     | No              |
| Temperature Range - Operating | -40°C to +105°C |

**Electrical**

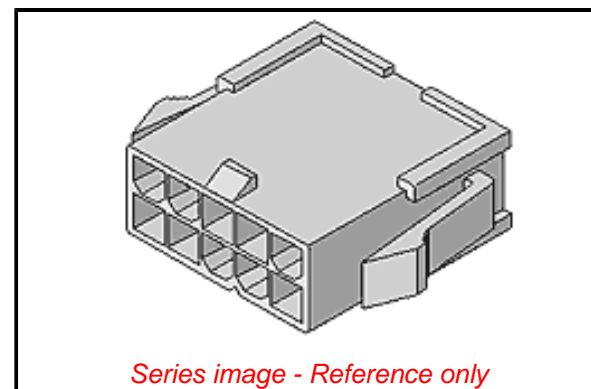
|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
|-------------------------------|-------|

**Material Info**

|                    |          |
|--------------------|----------|
| Engineering Number | 5559-12P |
|--------------------|----------|

**Reference - Drawing Numbers**

|                         |                               |
|-------------------------|-------------------------------|
| Packaging Specification | PK-5559-001-001               |
| Product Specification   | PS-45750-001-001, PS-5556-001 |
| Sales Drawing           | SD-5559-NP-000                |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

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

**Search Parts in this Series**

[5559](#) Series

**Mates With**

Dual Row Receptacle Housing [5557](#)

**Use With**

[5558](#) , [30490](#) Male Terminal

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