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**Part Number:** [0039013089](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr.™ Power Connectors](#)  
**Description:** [Mini-Fit Jr.™ Plug Housing, Dual Row, 8 Circuits, UL 94V-0, Natural](#)

**Documents:**

[3D Model](#) [Packaging Specification PK-5559-002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-5556-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Crimp Housings  
 Series 5559  
 Application Power, Wire-to-Board, Wire-to-Wire  
 Comments Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current derating information.  
 Overview [Mini-Fit Jr.™ Power Connectors](#)  
 Product Name Mini-Fit Jr.™  
 UPC 800754203951

**Physical**

Breakaway No  
 Circuits (maximum) 8  
 Color - Resin Natural  
 Flammability 94V-0  
 Gender Plug  
 Glow-Wire Compliant No  
 Keying to Mating Part None  
 Lock to Mating Part Yes  
 Material - Resin Nylon  
 Net Weight 2.375/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°C to +105°C

**Electrical**

Current - Maximum per Contact 13.0A

**Solder Process Data**

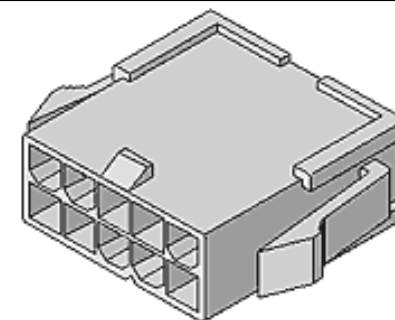
Lead-freeProcess Capability N/A

**Material Info**

Engineering Number 5559-08P1-210

**Reference - Drawing Numbers**

Packaging Specification PK-5559-002



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/21/2016 (20 June 2016)

**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

ELV

Green Image

Not Relevant

**Search Parts in this Series**

[5559 Series](#)

**Mates With**

Receptacle Housing [39-01-2085](#) <br>Mini-Fit Jr.™ TPA Cable Assembly [45135](#)

**Use With**

[5558](#) Mini-Fit Jr.™ Male Crimp Terminals.  
[30490](#) Mini-Fit® Male Grounding Crimp Terminals

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