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**Part Number:** [0039013083](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit Jr. Plug Housing, Dual Row, 8 Circuits, UL 94V-2, without Panel Mounting Ears, Natural

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-5557-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</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	800754203913

**Physical**

Breakaway	No
Circuits (maximum)	8
Color - Resin	Natural
Flammability	94V-2
Gender	Plug
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	2.305/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

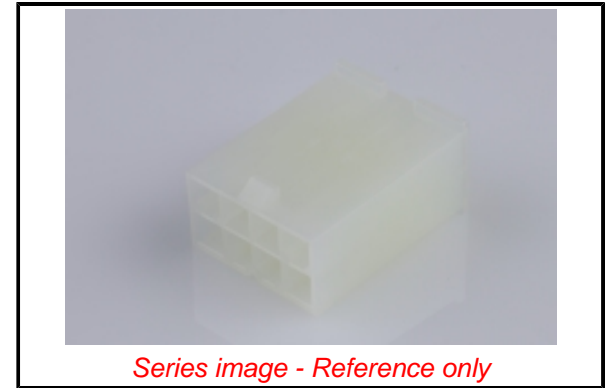
**Electrical**

Current - Maximum per Contact	13.0A
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**Solder Process Data**

Lead-freeProcess Capability	N/A
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**Material Info**



Series image - Reference only

**EU ELV**

**Not Relevant**

**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

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[5559](#) Series

**Mates With**

Mini-Fit Jr. Receptacle Housing [39012080](#)  
 <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 5559-08P1

**Reference - Drawing Numbers**

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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