



Part Number : [39014052](#)

Series Number : 5559

Product Category : Connector Housings

Product Description : Mini-Fit Jr. Plug Housing, Single Row, 5 Circuits, UL 94V-2, with Panel Mounting Ears, Natural

Status : Active

Engineering Number : 5559-05P2

Documents & Resources

Drawings

[Drawing 039014052_sd.pdf](#)

3D Models and Design Files

[3D Model 039014052_stp.zip](#)

Specifications

- [Application Specification 55560001-AS-000.pdf](#)
- [Application Specification AS-5557-001-001.pdf](#)
- [Packaging Specification PK-5559-003-001.pdf](#)
- [Product Specification PS-45750-001-001.pdf](#)
- [Product Specification PS-5556-001-001.pdf](#)
- [Test Summary 55560010-TS-000.pdf](#)
- [Test Summary TS-5556-002-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

[Multiple Part Industry Compliance Documents](#)

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Connector Housings
Series	5559
Description	Mini-Fit Jr. Plug Housing, Single Row, 5 Circuits, UL 94V-2, with Panel Mounting Ears, Natural
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.
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Jr.
UPC	800753535565

Agency

CSA	LR19980
UL	E29179

Physical

Breakaway	No
Circuits (maximum)	5
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	2.068/g
Number of Rows	1
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° to +105°C

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit Jr. Receptacle Housing, Single Row, 5 Circuits, UL 94V-2, Natural	<u>39014050</u>
Mini-Fit TPA2-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assemblies	<u>145135</u>

Use with Part(s)

Description	Part Number
Pre-Crimped Lead Mini-Fit Male-to-Mini-Fit Male, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Red	<u>/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580005.html</u>
Pre-Crimped Lead Mini-Fit Male-to-Mini-Fit Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red	<u>/content/molex/molex-dot-com/us/en/products/product-page-pdf.html/797580013.html</u>
Mini-Fit Male Crimp Terminals	<u>5558</u>
Mini-Fit Plus Male Crimp Terminals	<u>46012</u>
Mini-Fit Jr. Crimp Grounding Terminals	<u>30490</u>

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