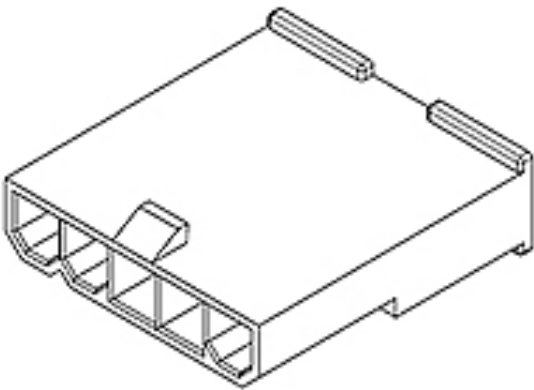




Part Number : [39014066](#)
Product Description : Mini-Fit Jr. Plug Housing,
Single Row, 6 Circuits, UL 94V-2, without Panel
Mounting Ears, Natural
Series Number : 5559
Status : Active
Product Category : Connector Housings
Engineering Number : 5559-06P3



Documents & Resources


Drawings
[039014066_sd.pdf](#)

3D Models and Design Files
[039014066_stp.zip](#)

Specifications
[55560001-AS-000.pdf](#)
[55560002-AS-000.pdf](#)
[AS-5557-001-001.pdf](#)
[PK-5559-003-001.pdf](#)
[PS-45750-001-001.pdf](#)
[PS-5556-001-001.pdf](#)
[55560010-TS-000.pdf](#)
[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)7663-DC (21 Jan 2025)
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, 6 Circuits, UL 94V-2, without 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 Name	Mini-Fit Jr.
UPC	889056555920

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	6
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	2.174/g
Number of Rows	1
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

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 TPA2-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assemblies	<u>145135</u>
Mini-Fit Jr. Receptacle Housings	<u>5557</u>
Mini-Fit TPA2 and Mini-Fit Sigma Single Row Receptacle Housings	<u>200453</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>797580005</u>
Pre-Crimped Lead Mini-Fit Male-to-Mini-Fit Male, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red	<u>797580013</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>
Mini-Fit Jr. Hermaphroditic Backshells	<u>204723</u>