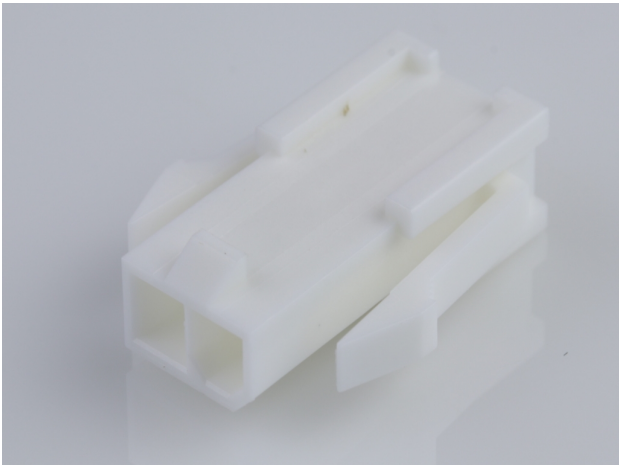




Part Number : [469990657](#)
Product Description : Mini-Fit Jr. Plug Housing,
Single Row, 2 Circuits, UL 94V-0, with Panel
Mounting Ears, Natural
Series Number : 5559
Status : Active
Product Category : Connector Housings
Engineering Number : 5559-02P2-210



Documents & Resources

Drawings
[469990657_sd.pdf](#)

3D Models and Design Files
[469990657_stp.zip](#)

Specifications
[AS-5557-001-001.pdf](#)
[PK-5559-003-001.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, 2 Circuits, UL 94V-0, 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 Name | Mini-Fit Jr. |
| UPC | 889056528160 |

Agency

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

Physical

| | |
|-----------------------|---------|
| Circuits (maximum) | 2 |
| Color - Resin | Natural |
| Flammability | 94V-0 |
| Gender | Plug |
| Glow-Wire Capable | No |
| Keying to Mating Part | None |

| | |
|-------------------------------|----------------|
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Net Weight | 1.173/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 |
|------------------------------|-----|

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> |

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