



**Part Number :** [39013063](#)

**Product Description :** Mini-Fit Jr. Plug Housing, Dual Row, 6 Circuits, UL 94V-2, without Panel Mounting Ears, Natural

**Series Number :** 5559

**Status :** Active

**Product Category :** Connector Housings

**Engineering Number :** 5559-06P1



---

## Documents & Resources

### Drawings

[039013063 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[55560001-AS-000.pdf](#)

[55560002-AS-000.pdf](#)

[AS-5557-001-001.pdf](#)

[PK-5559-002-001.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 | <br>per SJ/T 11365-2006 |
| EU ELV     | Compliant per 2000/53/EC                                                                                     |

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                     |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(25 June 2025) |
| EU RoHS            | Compliant per EU 2015/863                          |

#### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

#### Industry Documents

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

#### Substances of Interest

- PFAS

#### EU RoHS Certificate of Compliance

#### Additional Product Compliance Information

## Part Details

### General

|              |                                                                                                                                                                                                                          |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status       | Active                                                                                                                                                                                                                   |
| Category     | Connector Housings                                                                                                                                                                                                       |
| Series       | 5559                                                                                                                                                                                                                     |
| Description  | Mini-Fit Jr. Plug Housing, Dual 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          | 800753726659                                                                                                                                                                                                             |

## Agency

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

## Physical

|                               |                |
|-------------------------------|----------------|
| Breakaway                     | No             |
| 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                    | 1.920/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 |

## Solder Process Data

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

---

## Mates With / Use With

### Mates with Part(s)

| Description                                                   | Part Number   |
|---------------------------------------------------------------|---------------|
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings | <u>172708</u> |
| Mini-Fit Jr. Receptacle Housings                              | <u>5557</u>   |
| Mini-Fit TPA2-to-Mini-Fit TPA2 Off-                           | <u>45135</u>  |

|                                                                              |               |
|------------------------------------------------------------------------------|---------------|
| the-Shelf (OTS) Cable Assemblies                                             |               |
| Mini-Fit Jr.-to-Mini-Fit Jr. Off-the-Shelf (OTS) Overmolded Cable Assemblies | <u>245135</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>    |