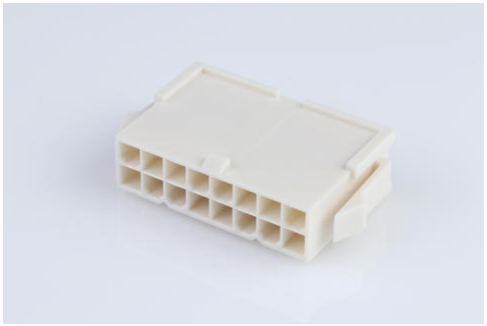
molex



**Part Number :** 39012166
**Product Description :** Mini-Fit Jr. Plug Housing, Dual Row, 16 Circuits, UL 94V-0, with Panel Mounting Ears, Natural
**Series Number :** 5559
**Status :** Active
**Product Category :** Connector Housings
**Engineering Number :** 5559-16P-210

## Documents & Resources

### Drawings

039012166_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-5559-001-001.pdf

PS-45750-001-001.pdf

PS-5556-001-001.pdf

55560010-TS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |

| | |
|---|---|
| REACH SVHC | Not Contained per D(2025)4165-DC (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

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Connector Housings |
| Series | 5559 |
| Description | Mini-Fit Jr. Plug Housing, Dual Row, 16 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 | 800753694422 |

### Agency

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

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (maximum) | 16 |
| Color - Resin | Natural |
| Flammability | 94V-0 |
| Gender | Plug |
| Glow-Wire Capable | No |
| Material - Resin | Nylon |
| Net Weight | 4.824/g |
| Number of Rows | 2 |
| 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 |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings | 172708 |
| Mini-Fit Jr. Receptacle Housings | 5557 |

### 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 | 797580005 |
| Pre-Crimped Lead Mini-Fit Male-to-Mini-Fit Male, Tin (Sn) Plating, | 797580013 |

| | |
|---|---|
| 300.00mm Length, 18 AWG, Red | |
| Mini-Fit Male Crimp Terminals | 5558 |
| Mini-Fit Plus Male Crimp Terminals | 46012 |
| Mini-Fit Jr. Crimp Grounding Terminals | 30490 |