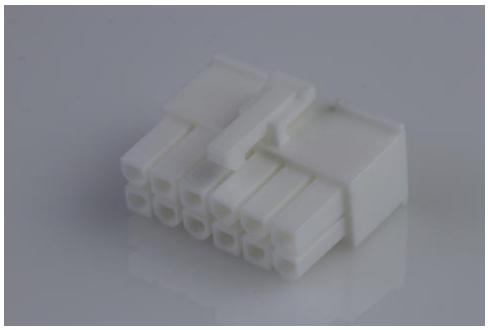
molex



**Part Number :** 39012125
**Product Description :** Mini-Fit Jr. Receptacle Housing, Dual Row, 12 Circuits, UL 94V-0, Natural
**Series Number :** 5557
**Status :** Active
**Product Category :** Connector Housings
**Engineering Part Number :** 5557-12R-210

## Documents and Resources

### Drawings

039012125_sd.pdf

PK-5557-002-000.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

### Specifications

55560001-AS-000.pdf

55560002-AS-000.pdf

AS-5557-001-001.pdf

PS-45750-001-001.pdf

55560002-PS-CH-000.pdf

55560002-PS-ES-000.pdf

55560002-PS-SK-000.pdf

PS-5556-001-001.pdf

PS-5556-002-001.pdf

TS-45750-002-001.pdf

55560010-TS-000.pdf

TS-5556-002-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | 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)7771-DC (04 Feb 2026) |
| 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 | 5557 |
| Description | Mini-Fit Jr. Receptacle Housing, Dual Row, 12 Circuits, UL 94V-0, 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 | 800753750791 |

### Agency

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

### Physical

| | |
|---|---|
| Circuits (maximum) | 12 |
| Color - Resin | Natural |
| Flammability | 94V-0 |
| Gender | Receptacle |
| Glow-Wire Capable | No |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Resin | Nylon |
| Net Weight | 2.518/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 |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
| --- | --- |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits | 1727620012 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits, Panel Mount | 1727670012 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 12 Circuits, Panel Mount | 1727670112 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits, Old Panel Mount Style | 1727671012 |
| Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 12 Circuits, Old Panel Mount Style | 1727671112 |
| Mini-Fit BMI Right-Angle Dual Row Headers | 42404 |
| Mini-Fit BMI Vertical Dual Row Headers | 42440 |
| Mini-Fit BMI Right-Angle Dual Row Headers | 43810 |
| Mini-Fit BMI Vertical Dual Row Headers | 44068 |
| Mini-Fit Jr. Dual Row Test Plugs | 44281 |
| Mini-Fit Jr. Plug Housings | 5559 |
| Mini-Fit Jr. Vertical Headers | 5566 |
| Mini-Fit Jr. Right-Angle Headers | 5569 |
| Mini-Fit Jr. Dual Row Headers | 87427 |

**Use with Part(s)**

| Description | Part Number |
| --- | --- |
| Mini-Fit Female Crimp Terminals | 5556 |
| Mini-Fit Plus Female Crimp Terminals | 45750 |
| Mini-Fit Jr. Hermaphroditic | 204723 |

| | |
|---|---|
| Backshells | |
| Mini-Fit HCS Female Crimp Terminals | 44476 |