



Part Number : [39012060](#)

Product Description : Mini-Fit Jr. Receptacle Housing, Dual Row, 6 Circuits, UL 94V-2, Natural

Series Number : 5557

Status : Active

Product Category : Connector Housings

Engineering Number : 5557-06R

Documents & Resources

Drawings

[Drawing 039012060_sd.pdf](#)

[Packaging Design Drawing PK-5557-002-000.pdf](#)

3D Models and Design Files

[3D Model 039012060_stp.zip](#)

Specifications

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

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

[Product Specification PS-45750-001-001.pdf](#)

[Product Specification 55560002-PS-CH-000.pdf](#)

[Product Specification 55560002-PS-ES-000.pdf](#)

[Product Specification 55560002-PS-SK-000.pdf](#)

[Product Specification PS-5556-001-001.pdf](#)


[Product Specification PS-5556-002-001.pdf](#)

[Test Summary 55560010-TS-000.pdf](#)

[Test Summary TS-5556-002-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS | Not Relevant |
| China RoHS |  |
| EU ELV | Compliant per 2000/53/EC |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2023)8585-DC (23 Jan 2024) |
| 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 | 5557 |
| Description | Mini-Fit Jr. Receptacle Housing, Dual Row, 6 Circuits, UL 94V-2, 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 Family | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit Jr. |
| UPC | 800753584310 |

Agency

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

Physical

| | |
|--------------------|---------|
| Breakaway | No |
| Circuits (maximum) | 6 |
| Color - Resin | Natural |

| | |
|-------------------------------|----------------|
| Flammability | 94V-2 |
| Gender | Receptacle |
| Glow-Wire Capable | No |
| Material - Resin | Nylon |
| Net Weight | 1.358/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 BMI Right-Angle Dual Row Headers | <u>42404</u> |
| Mini-Fit BMI Vertical Dual Row Headers | <u>42440</u> |
| Mini-Fit BMI Right-Angle Dual Row Headers | <u>43810</u> |
| Mini-Fit BMI Vertical Dual Row Headers | <u>44068</u> |
| Mini-Fit Jr. Dual Row Test Plugs | <u>44281</u> |
| Mini-Fit Jr. Plug Housings | <u>5559</u> |
| Mini-Fit Jr. Vertical Headers | <u>5566</u> |
| Mini-Fit Jr. Right-Angle Headers | <u>5569</u> |
| Mini-Fit Jr. Dual Row Headers | <u>87427</u> |

Use with Part(s)

| Description | Part Number |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre-Crimped Lead Mini-Fit Female-to-Mini-Fit Female, Tin (Sn) Plating, 150.00mm Length, 18 AWG, Red | /content/molex/molex-dot-com/us/en/products/product-page.html/797580001.html |
| Pre-Crimped Lead Mini-Fit Female-to-Mini-Fit Female, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red | /content/molex/molex-dot-com/us/en/products/product-page.html/797580009.html |
| Mini-Fit Female Crimp Terminals | <u>5556</u> |
| Mini-Fit Plus Female Crimp Terminals | <u>45750</u> |
| Mini-Fit Jr. Hermaphroditic Backshells | <u>204723</u> |