



**Part Number :** [39012120](#)

**Product Description :** Mini-Fit Jr. Receptacle Housing, Dual Row, 12 Circuits, UL 94V-2, Natural

**Series Number :** 5557

**Status :** Active

**Product Category :** Connector Housings

**Engineering Part Number :** 5557-12R



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## Documents and Resources

### Drawings

[039012120\\_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](#)

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

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

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## 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-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. Use with Strain Relief. |
| Product Name | Mini-Fit Jr.                         |
| UPC          | 800753584389                         |

## Agency

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

## Physical

|                               |                |
|-------------------------------|----------------|
| Circuits (maximum)            | 12             |
| Color - Resin                 | Natural        |
| Flammability                  | 94V-2          |
| Gender                        | Receptacle     |
| Glow-Wire Capable             | No             |
| Keying to Mating Part         | No             |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Nylon          |
| Net Weight                    | 2.460/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,<br>4.20mm Pitch, Dual Row, UL<br>94V-0, Low-Halogen, 12 Circuits                                 | <a href="#"><u>1727620012</u></a> |
| Mini-Fit TPA2 Plug Housing,<br>4.20mm Pitch, Dual Row, UL<br>94V-0, Low-Halogen, 12 Circuits,<br>Panel Mount                 | <a href="#"><u>1727670012</u></a> |
| Mini-Fit TPA2 Plug Housing,<br>4.20mm Pitch, Dual Row, UL<br>94V-2, Glow-Wire Capable, 12<br>Circuits, Panel Mount           | <a href="#"><u>1727670112</u></a> |
| Mini-Fit TPA2 Plug Housing,<br>4.20mm Pitch, Dual Row, UL<br>94V-0, Low-Halogen, 12 Circuits,<br>Old Panel Mount Style       | <a href="#"><u>1727671012</u></a> |
| Mini-Fit TPA2 Plug Housing,<br>4.20mm Pitch, Dual Row, UL<br>94V-2, Glow-Wire Capable, 12<br>Circuits, Old Panel Mount Style | <a href="#"><u>1727671112</u></a> |
| Mini-Fit BMI Right-Angle Dual Row<br>Headers                                                                                 | <a href="#"><u>42404</u></a>      |
| Mini-Fit BMI Vertical Dual Row<br>Headers                                                                                    | <a href="#"><u>42440</u></a>      |
| Mini-Fit BMI Right-Angle Dual Row<br>Headers                                                                                 | <a href="#"><u>43810</u></a>      |
| Mini-Fit BMI Vertical Dual Row<br>Headers                                                                                    | <a href="#"><u>44068</u></a>      |
| Mini-Fit Jr. Dual Row Test Plugs                                                                                             | <a href="#"><u>44281</u></a>      |
| Mini-Fit Jr. Plug Housings                                                                                                   | <a href="#"><u>5559</u></a>       |
| Mini-Fit Jr. Vertical Headers                                                                                                | <a href="#"><u>5566</u></a>       |
| Mini-Fit Jr. Right-Angle Headers                                                                                             | <a href="#"><u>5569</u></a>       |
| Mini-Fit Jr. Dual Row Headers                                                                                                | <a href="#"><u>87427</u></a>      |

#### Use with Part(s)

| Description                               | Part Number                   |
|-------------------------------------------|-------------------------------|
| Mini-Fit Female Crimp Terminals           | <a href="#"><u>5556</u></a>   |
| Mini-Fit Plus Female Crimp<br>Terminals   | <a href="#"><u>45750</u></a>  |
| Mini-Fit Jr. Hermaphroditic<br>Backshells | <a href="#"><u>204723</u></a> |

|                                        |              |
|----------------------------------------|--------------|
| Mini-Fit HCS Female Crimp<br>Terminals | <u>44476</u> |
|----------------------------------------|--------------|