



**THE DATASHEET OF**  
**0039012100**





Part Number : [39012100](#)

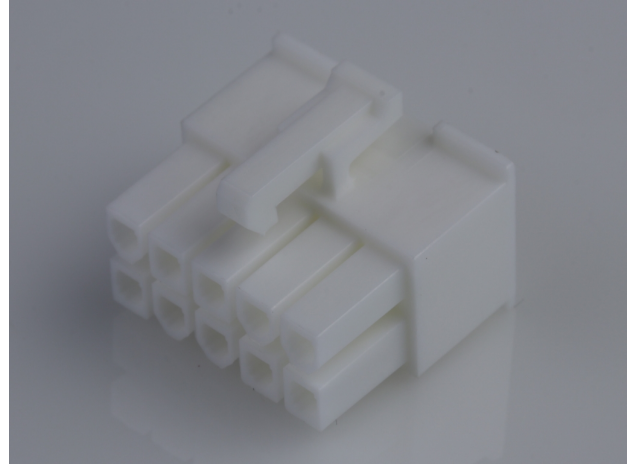
Product Description : Mini-Fit Jr. Receptacle Housing, Dual Row, 10 Circuits, UL 94V-2, Natural

Series Number : 5557

Status : Active

Product Category : Connector Housings

Engineering Number : 5557-10R



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## Documents & Resources

### Drawings

[039012100\\_sd.pdf](#)

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

### 3D Models and Design Files

[039012100\\_stp.zip](#)

### Specifications

[55560001-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         |  |
| EU ELV             | Compliant per 2000/53/EC  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |

|            |   |
|------------|---|
| REACH SVHC | Not Contained per D(2024)6225-DC<br>(07 Nov 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

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## Part Details

### General

|              |   |
|--------------|---|
| Status       | Active  |
| Category     | Connector Housings  |
| Series       | 5557  |
| Description  | Mini-Fit Jr. Receptacle Housing,<br>Dual Row, 10 Circuits, UL 94V-2,<br>Natural   |
| Application  | Power, Wire-to-Board, Wire-to-Wire  |
| Comments     | Current = 13A max. per circuit<br>when header is mated to a<br>receptacle loaded with 45750<br>series terminals crimped to 16<br>AWG wire. See Molex product<br>specification PS-45750-001 for<br>additional current derating<br>information. |
| Product Name | Mini-Fit Jr.  |
| UPC          | 800753584365  |

### Agency

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

### Physical

|                               |                |
|-------------------------------|----------------|
| Breakaway                     | No             |
| Circuits (maximum)            | 10             |
| Color - Resin                 | Natural        |
| Flammability                  | 94V-2          |
| Gender                        | Receptacle     |
| Glow-Wire Capable             | No             |
| Material - Resin              | Nylon          |
| Net Weight                    | 2.128/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 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 | <u>797580001</u> |
| Pre-Crimped Lead Mini-Fit Female-to-Mini-Fit Female, Tin (Sn) Plating, 300.00mm Length, 18 AWG, Red | <u>797580009</u> |
| 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>    |

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View 0039012100 on WIN SOURCE](#)
- [Molex, LLC Information](#)

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