



**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
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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

## 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
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Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits	<u>1727620012</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits, Panel Mount	<u>1727670012</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 12 Circuits, Panel Mount	<u>1727670112</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 12 Circuits, Old Panel Mount Style	<u>1727671012</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 12 Circuits, Old Panel Mount Style	<u>1727671112</u>
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
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>

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