



**Part Number :** [39013105](#)  
**Product Description :** Mini-Fit Jr. Receptacle Housing, Dual Row, 10 Circuits, UL 94V-2, Black  
**Series Number :** 5557  
**Status :** Active  
**Product Category :** Connector Housings  
**Engineering Number :** 5557-10R-BL



Documents & Resources

Drawings

[039013105 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](#)  
[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](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	

	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
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, 10 Circuits, UL 94V-2, Black
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	800754204019
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## Agency

CSA	LR19980
UL	E29179

## Physical

Breakaway	No
Circuits (maximum)	10
Color - Resin	Black
Flammability	94V-2
Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	2.455/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,	<u>1727620010</u>

Low-Halogen, 10 Circuits	
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 10 Circuits, Panel Mount	<u>1727670010</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 10 Circuits, Panel Mount	<u>1727670110</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-0, Low-Halogen, 10 Circuits, Old Panel Mount Style	<u>1727671010</u>
Mini-Fit TPA2 Plug Housing, 4.20mm Pitch, Dual Row, UL 94V-2, Glow-Wire Capable, 10 Circuits, Old Panel Mount Style	<u>1727671110</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
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>
Mini-Fit HCS Female Crimp Terminals	<u>44476</u>

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