



**Part Number :** [50291662](#)

**Product Description :** Mini-Fit Jr. Receptacle Housing, Single Row, Nylon, UL 94V-2, 3 Circuits, Positive Latch, First Mate/Last Break, Glow-Wire Capable, Black

**Series Number :** 46994

**Status :** Active

**Product Category :** Connector Housings

**Engineering Part Number :** 46994-0312



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## Documents and Resources

### Drawings

[050291662\\_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](#)

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

[457500003-TS-000.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	Not Relevant

Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains 1,1'-(Ethane-1,2-diyl)bis[pentabromobenzene] 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	46994
Description	Mini-Fit Jr. Receptacle Housing, Single Row, Nylon, UL 94V-2, 3 Circuits, Positive Latch, First Mate/Last Break, Glow-Wire Capable, 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	822348516322

### Agency

CSA	LR19980
UL	E29179

### Physical

Circuits (maximum)	3
Color - Resin	Black
Gender	Receptacle
Glow-Wire Capable	Yes
Keying to Mating Part	No
Lock to Mating Part	Yes
Material - Resin	Nylon
Net Weight	0.950/g
Number of Rows	1
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 Jr. Single Row Plug	<u>172646</u>

Housings	
Mini-Fit Jr. Vertical Single Row Headers	<u>172647</u>
Mini-Fit Jr. Right-Angle Single Row Headers	<u>172648</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>

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