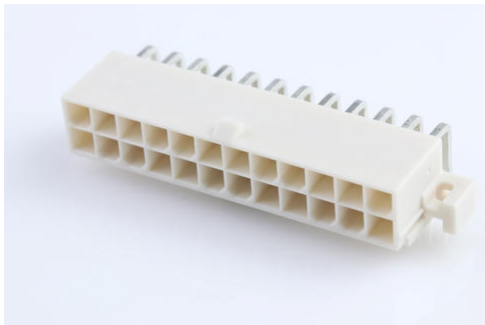




**Part Number :** [39291247](#)  
**Product Description :** Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 24 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating  
**Series Number :** 5569  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** 5569-24A1-210



## Documents & Resources

### Drawings

[039291247 sd.pdf](#)  
[55690001-PK-000.pdf](#)

### 3D Models and Design Files


[039291247 stp.zip](#)

### Specifications

[AS-5557-001-001.pdf](#)  
[PK-5569-002-001.pdf](#)  
[PS-45750-001-001.pdf](#)  
[PS-5556-001-001.pdf](#)

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 47; 33
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(2024)6225-DC (07 Nov 2024)
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	PCB Headers and Receptacles
Series	5569
Description	Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 24 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating
Application	Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. See Molex Product specification PS-5556-001 for additional current de-rating information.
Component Type	PCB Header
Product Name	Mini-Fit Jr.
UPC	800754320986

### Agency

CSA	LR19980
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UL	E29179
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## Electrical

Current - Maximum per Contact	13.0A
Voltage - Maximum	600V

## Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	8.587/g
Number of Rows	2
Orientation	Right Angle
Packaging Type	Bag
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes

Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

### Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	260

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### Mates With / Use With

#### Mates with Part(s)

Description	Part Number
Mini-Fit Jr. Receptacle Housings	<u>5557</u>
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	<u>172708</u>