



**Part Number :** [39299043](#)

**Product Description :** Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 4 Circuits, with Snap-in Plastic Peg PCB Lock, Tin, Natural

**Series Number :** 5566

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Number :** A-5566-04A2



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## Documents & Resources

### Drawings

[Drawing 039299043\\_sd.pdf](#)

[Packaging Design Drawing PK-5566-001-001.pdf](#)

### 3D Models and Design Files

[3D Model PDF 039299043.pdf](#)

[3D Model 039299043\\_stp.zip](#)

### Specifications

[Application Specification 1722990000-AS-000.pdf](#)

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


[Test Summary TS-5556-002-001.pdf](#)

[Test Summary TS-5566-002-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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	PCB Headers and Receptacles
Series	5566
Description	Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 4 Circuits, with Snap-in Plastic Peg PCB Lock, Tin, Natural
Application	Power, Wire-to-Board
Comments	The 5566 header should be used with standard Mini-Fit female terminals. If increased amperage of up to 13A per circuit is needed, please consider using the Mini-Fit Plus HCS family 45750 terminals with 46015 headers; See Molex Product specification PS-5666-001 for current de-rating information.
Component Type	PCB Header
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Jr.
UPC	800753579965

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	9.0A
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Voltage - Maximum	600V
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## Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
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	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	1.001/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	0.889µm
Plating min - Termination	0.889µm
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
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### Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	240

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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-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assemblies	<u>45135</u>
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	<u>172708</u>
Mini-Fit Jr.-to-Mini-Fit Jr. Off-the-Shelf (OTS) Overmolded Cable Assemblies	<u>245135</u>

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