



**Part Number :** [39296048](#)

**Product Description :** Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 4 Circuits, without Snap-in Plastic Peg PCB Lock, Gold, Natural

**Series Number :** 5566

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Number :** 5566-04AGS-210



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## Documents & Resources

### Drawings

[039296048\\_sd.pdf](#)

[PK-5566-000.pdf](#)

### 3D Models and Design Files

[039296048\\_stp.zip](#)

### Specifications

[AS-5557-001-001.pdf](#)


[PK-5566-003-001.pdf](#)

[PS-5556-001-001.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	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)7663-DC (21 Jan 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	PCB Headers and Receptacles
Series	5566
Description	Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 4 Circuits, without Snap-in Plastic Peg PCB Lock, Gold, 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 Name	Mini-Fit Jr.
UPC	800754374040

### Agency

CSA	LR19980
UL	E29179

## Electrical

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

## Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	Gold
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	1254.200/mg
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.60mm
PC Tail Length	3.50mm
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	0.762µm
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>