



**Part Number :** [39281203](#)

**Product Description :** Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 20 Circuits, without Snap-in Plastic Peg PCB Lock, Tin, Natural

**Series Number :** 5566

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Number :** 5566-20A



---

## Documents & Resources

### Drawings

[Drawing 039281203\\_sd.pdf](#)

[Packaging Design Drawing PK-5566-000.pdf](#)

### 3D Models and Design Files

[3D Model 039281203\\_stp.zip](#)

### Specifications

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

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


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

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

---

## 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

---

**Part Details**

**General**

Status	Active
Category	PCB Headers and Receptacles
Series	5566
Description	Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 20 Circuits, without 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	800753581654

**Agency**

CSA	LR19980
UL	E29179

**Electrical**

Current - Maximum per Contact	9.0A
-------------------------------	------

Voltage - Maximum	600V
-------------------	------

## Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
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	4.141/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Bag
PC Tail Length	3.50mm
PCB Locator	Yes
PCB Retention	None
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
-----------------------------	--------------

### Solder Process Data

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

---

### Mates With / Use With

#### Mates with Part(s)

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