



Part Number : [39281083](#)

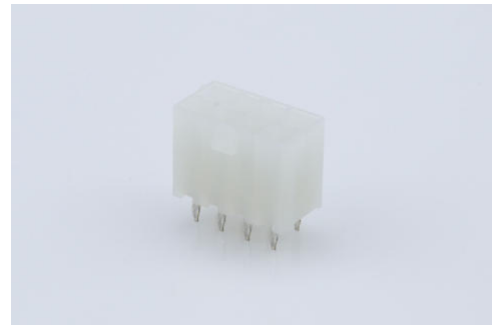
Product Description : Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 8 Circuits, without Snap-in Plastic Peg PCB Lock, Tin, Natural

Series Number : 5566

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Part Number : 5566-08A



Documents and Resources

Drawings

[039281083 sd.pdf](#)

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

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications


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

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

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

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Compliant with Exemption 44 |
| 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(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 | PCB Headers and Receptacles |
| Series | 5566 |
| Description | Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 8 Circuits, without Snap-in Plastic Peg PCB Lock, Tin, Natural |
| Application | 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 | 800753628724 |

Agency

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

Electrical

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

Physical

| | |
|--------------------------------|--------------|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-2 |
| Gender | Male |
| Glow-Wire Capable | No |
| Guide to Mating Part | No |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Mounting Style | Through Hole |
| Net Weight | 1.775/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PCB Locator | Yes |
| PCB Retention | No |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 3.50mm |
| 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 | Shrouded |
| 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 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> |