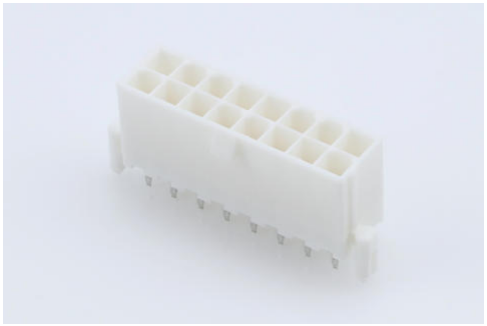

**Part Number :** 39289168
**Product Description :** Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 16 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, Natural
**Series Number :** 5566
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** 5566-16B2GS-210

## Documents and Resources

### Drawings

039289168_sd.pdf

PK-5566-001-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

AS-5557-001-001.pdf

AS-5566-001-001.pdf

PS-5556-001-001.pdf

TS-5556-002-001.pdf

TS-5566-002-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |

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| | |
|---|---|
| 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

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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, 16 Circuits, with Snap-in Plastic Peg PCB Lock, Gold, 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 |

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| | |
|---|---|
| Product Name | Mini-Fit Jr. |
| UPC | 800754205641 |

## Agency

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

## Electrical

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

## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| 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 | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Mounting Style | Through Hole |
| Net Weight | 3.319/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |

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| | |
|---|---|
| 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 | 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 | 5557 |
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings | 172708 |



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