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**Part Number:** [39-29-3106](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr.™](#)  
**Description:** 4.20mm Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 10 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, with Drain Holes

**Documents:**

[3D Model](#) [Packaging Specification PK-5566-003 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-5556-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [5566](#)  
 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-45750-001 for additional current de-rating information.  
 Overview [Mini-Fit Jr.™](#)  
 Product Name Mini-Fit Jr.™  
 UPC 800753683815

**Physical**

Breakaway No  
 Circuits (Loaded) 10  
 Circuits (maximum) 10  
 Color - Resin Natural  
 Durability (mating cycles max) 30  
 First Mate / Last Break No  
 Flammability 94V-2  
 Glow-Wire Compliant 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 Tin  
 Material - Resin Nylon  
 Net Weight 2719.500/mg  
 Number of Rows 2  
 Orientation Vertical  
 PC Tail Length 3.50mm  
 PCB Locator Yes  
 PCB Retention None  
 PCB Thickness - Recommended 1.60mm  
 Packaging Type Bag  
 Pitch - Mating Interface 4.20mm



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[5566Series](#)

**Mates With**

[5557 Mini-Fit Jr.™ Receptacle Housing](#)

**Use With**

[5556 Mini-Fit® Crimp Terminal](#)

|                                |                 |
|--------------------------------|-----------------|
| 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              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

### **Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 13A  |
| Voltage - Maximum             | 600V |

### **Solder Process Data**

|  |                        |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |

### **Material Info**

|                 |          |
|-----------------|----------|
| Old Part Number | 5566-10B |
|-----------------|----------|

### **Reference - Drawing Numbers**

|                         |             |
|-------------------------|-------------|
| Packaging Specification | PK-5566-003 |
| Product Specification   | PS-5556-001 |
| Sales Drawing           | SD-5566-002 |

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