# molex®
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**Part Number:** 50-36-1882

**Status:** **Active**

**Overview:** Mini-Fit Jr.™

**Description:** 4.20mm Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, without Drain Holes, 2 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating, Glow Wire Compatible

**Documents:**

| | |
|---|---|
| 3D Model | Product Specification PS-5556-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |

*image - Reference only*
*Series*

### 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. <P><P>This Molex product is manufactured from material that has the following ratings, tested by independent agencies :. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety; section 30 Resistance to heat and fire. <P><P> The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options. |
| Overview | Mini-Fit Jr.™ |
| Product Name | Mini-Fit Jr.™ |

### Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 2 |
| Circuits (maximum) | 2 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Glow-Wire Compliant | Yes |
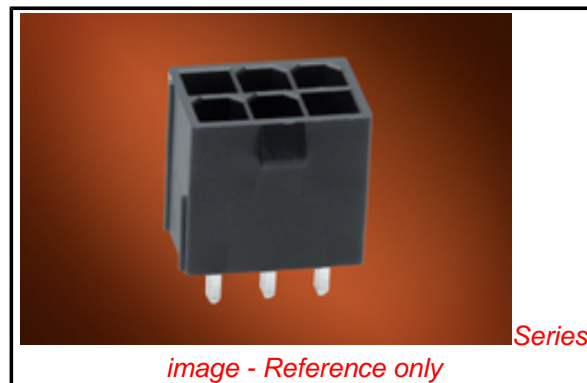
**EU RoHS**
**ELV and RoHS Compliant**
**REACH SVHC**
**Contains SVHC: No**
**Low-Halogen Status**
**Low-Halogen**

**China RoHS**

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

Email productcompliance@molex.com
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

| | |
|---|---|
| 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 |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 3.50mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Plating min - Mating | 2.540µm |
| Plating min - Termination | 1.270µm |
| 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 | 5566-02AS-225 |

## Reference - Drawing Numbers

| | |
|---|---|
| Product Specification | PS-5556-001 |
| Sales Drawing | SD-5566-225 |