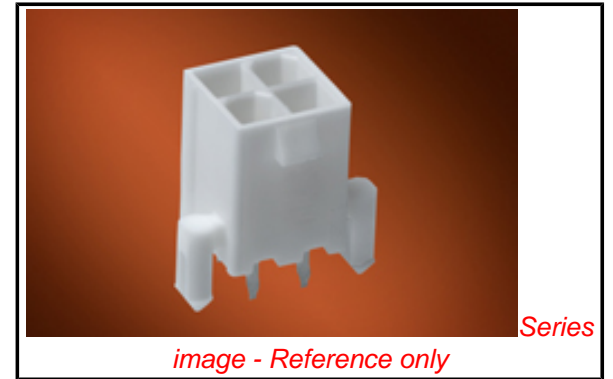


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [39-29-0023](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr.™ Power Connectors](#)  
**Description:** Mini-Fit® Jr. Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 2 Circuits, PA Polyamide Nylon 6/6 94V-2, 0.76µm Gold (Au) Selective Plating, without Drain Holes

**Documents:**

|   |   |
|---|---|
| <a href="#">3D Model</a>                                | <a href="#">Packaging Specification PK-5566-003 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                           | <a href="#">Test Summary TS-5556-002 (PDF)</a>            |
| <a href="#">Product Specification PS-5556-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>      |



**Agency Certification**

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

**General**

|                |   |
|----------------|---|
| Product Family | PCB Headers   |
| Series         | <a href="#">5566</a>  |
| 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 <a href="#">45750</a> terminals with <a href="#">46015</a> headers; . See Molex Product specification PS-5666-001 for current de-rating information. |
| Overview       | <a href="#">Mini-Fit Jr.™ Power Connectors</a>  |
| Product Name   | Mini-Fit Jr.™   |
| UPC            | 800754239455  |

**Physical**

|                                |          |
|--------------------------------|----------|
| Breakaway                      | No       |
| Circuits (Loaded)              | 2        |
| Circuits (maximum)             | 2        |
| 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                     | 0.705/g  |
| 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   |
| Pitch - Termination Interface  | 4.20mm   |

|   |  |
|---|--|
| <b>EU RoHS</b><br><b>ELV and RoHS</b><br><b>Compliant</b><br><b>REACH SVHC</b><br><b>Contains SVHC: No</b><br><b>Low-Halogen Status</b><br><b>Low-Halogen</b> | <b>China RoHS</b><br> |
|---|--|

**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](#)

|                                |                 |
|--------------------------------|-----------------|
| 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 | 9A   |
| 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 | 5566-02AGS |
|-----------------|------------|

### **Reference - Drawing Numbers**

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

This document was generated on 01/15/2015

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**