

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

**Part Number:** [0039295063](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr.™ Power Connectors](#)  
**Description:** Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flange, 6 Circuits, PA Polyamide Nylon 6/6 94V-2, .0.76µm Gold (Au) Plating

**Documents:**

|                                                              |                                                               |
|--------------------------------------------------------------|---------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification PS-5556-001 (PDF)</a>       |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-5569-002-001 (PDF)</a> |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |

**Agency Certification**

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

**General**

|                |                                                                                                                                                                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                                                                                                                                                                |
| Series         | <a href="#">5569</a>                                                                                                                                                                                                                                       |
| Application    | Power, Wire-to-Board                                                                                                                                                                                                                                       |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> Mini-Fit® Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex Product specification PS-5556-001 for additional current de-rating information. |
| Overview       | <a href="#">Mini-Fit Jr.™ Power Connectors</a>                                                                                                                                                                                                             |
| Product Name   | Mini-Fit Jr.™                                                                                                                                                                                                                                              |
| UPC            | 800753429093                                                                                                                                                                                                                                               |

**Physical**

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 6           |
| Circuits (maximum)             | 6           |
| 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                     | 2.424/g     |
| Number of Rows                 | 2           |
| Orientation                    | Right Angle |
| PCB Locator                    | Yes         |
| PCB Retention                  | Yes         |
| PCB Thickness - Recommended    | 1.78mm      |
| Packaging Type                 | Bag         |
| 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         |



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[5569](#) Series

**Mates With**

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

|                                |                 |
|--------------------------------|-----------------|
| 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 | 13.0A |
| Voltage - Maximum             | 600V  |

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-free Process Capability                   | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 260  |

**Material Info**

|                    |            |
|--------------------|------------|
| Engineering Number | 5569-06AG1 |
|--------------------|------------|

**Reference - Drawing Numbers**

|                         |                               |
|-------------------------|-------------------------------|
| Packaging Specification | PK-5569-002-001               |
| Product Specification   | PS-45750-001-001, PS-5556-001 |
| Sales Drawing           | SD-5569-002-000               |

This document was generated on 05/22/2017

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