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Part Number:

39-29-9084

Status:

Active

Overview:

Mini-Fit Jr.™ Power Connectors

Description:

Mini-Fit® Jr. Header, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 8 Circuits, PA Polyamide Nylon 6/6 94V-2, 0.76µm Gold (Au) Selective Plating, with Drain Holes



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-5556-001 \(PDF\)](#)
- [Test Summary TS-5556-002 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

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-5666-001 for current de-rating information. |
| Overview       | <a href="#">Mini-Fit Jr.™ Power Connectors</a>                                                                                                                                                                                                                                                              |
| Product Name   | Mini-Fit Jr.™                                                                                                                                                                                                                                                                                               |
| UPC            | 800754931809                                                                                                                                                                                                                                                                                                |

Physical

|                                |          |
|--------------------------------|----------|
| Breakaway                      | No       |
| Circuits (Loaded)              | 8        |
| Circuits (maximum)             | 8        |
| 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                     | 1.690/g  |
| 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   |

**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

|                                                |                        |
|------------------------------------------------|------------------------|
| 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           |
| <b>Electrical</b>                              |                        |
| Current - Maximum per Contact                  | 9A                     |
| Voltage - Maximum                              | 600V                   |
| <b>Solder Process Data</b>                     |                        |
| 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                     | 240                    |
| <b>Material Info</b>                           |                        |
| Old Part Number                                | 5566-08B2GS            |
| <b>Reference - Drawing Numbers</b>             |                        |
| Product Specification                          | PS-5556-001            |
| Sales Drawing                                  | SDA-5566-N*2*-*        |
| Test Summary                                   | TS-5556-002            |

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