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Part Number:

39-29-6188

Status:

Active

Overview:

Mini-Fit Jr.™ Power Connectors

Description:

Mini-Fit® Jr. Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 18 Circuits, PA Polyamide Nylon 6/6 94V-0, 0.76µm Gold (Au) Selective Plating, without Drain Holes



Series

image - Reference only

Documents:

- 3D Model

Packaging Specification PK-42641-001 (PDF)
- Drawing (PDF)

Packaging Specification PK-5566-003 (PDF)
- Product Specification PS-5556-001 (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       | Mini-Fit Jr.™ Power Connectors                                                                                                                                                                                                                                                                              |
| Product Name   | Mini-Fit Jr.™                                                                                                                                                                                                                                                                                               |
| UPC            | 800754374194                                                                                                                                                                                                                                                                                                |

Physical

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 18          |
| Circuits (maximum)             | 18          |
| Color - Resin                  | Natural     |
| Durability (mating cycles max) | 30          |
| First Mate / Last Break        | No          |
| Flammability                   | 94V-0       |
| 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                     | 4909.034/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      |
| 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    |

**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 | 5566-18AGS-210 |
|-----------------|----------------|

**Reference - Drawing Numbers**

|                         |                           |
|-------------------------|---------------------------|
| Packaging Specification | PK-42641-001, PK-5566-003 |
| Product Specification   | PS-5556-001               |
| Sales Drawing           | SD-5566-002               |

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