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Part Number:

0039295223

Status:

Active

Overview:

Mini-Fit Jr.™ Power Connectors

Description:

Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flange, 22 Circuits, PA Polyamide Nylon 6/6 94V-2, 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                         | 5569                                                                                                                                                                                                                                       |
| Application                    | Power, Wire-to-Board                                                                                                                                                                                                                       |
| Comments                       | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 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                            | 800754931182                                                                                                                                                                                                                               |
| Physical                       |                                                                                                                                                                                                                                            |
| Breakaway                      | No                                                                                                                                                                                                                                         |
| Circuits (Loaded)              | 22                                                                                                                                                                                                                                         |
| Circuits (maximum)             | 22                                                                                                                                                                                                                                         |
| 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                     | 7.753/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                                                                                                                                                                                                                                        |



Series image - Reference only

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                  |
| <b>Electrical</b>                              |                               |
| Current - Maximum per Contact                  | 13.0A                         |
| Voltage - Maximum                              | 600V                          |
| <b>Solder Process Data</b>                     |                               |
| Duration at Max. Process Temperature (seconds) | 005                           |
| Lead-freeProcess Capability                    | WAVE                          |
| Max. Cycles at Max. Process Temperature        | 001                           |
| Process Temperature max. C                     | 260                           |
| <b>Material Info</b>                           |                               |
| Engineering Number                             | 5569-22AG1                    |
| <b>Reference - Drawing Numbers</b>             |                               |
| Packaging Specification                        | PK-5569-002-001               |
| Product Specification                          | PS-45750-001-001, PS-5556-001 |
| Sales Drawing                                  | SD-5569-002-000               |

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