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Part Number:

0050362426

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Header, Dual Row, Right Angle, with PCB Mounting Peg, 16 Circuits, LCP Housing, 94V-0, Matte Tin (Sn), Glow Wire Capable

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45750-001-001 (PDF)

Product Specification PS-5556-001-001 (PDF)

Product Specification PS-5556-004-001 (PDF)

Product Specification TS-5556-002-001 (PDF)

Product Specification TS-5569-001-001 (PDF)

Packaging Specification PK-5569-003 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                       | Mini-Fit Jr. Power Connectors                                                                                                                                                                                                             |
| Product Name                   | Mini-Fit Jr.                                                                                                                                                                                                                              |
| UPC                            | 883906713324                                                                                                                                                                                                                              |
| Physical                       |                                                                                                                                                                                                                                           |
| Breakaway                      | No                                                                                                                                                                                                                                        |
| Circuits (Loaded)              | 16                                                                                                                                                                                                                                        |
| Circuits (maximum)             | 16                                                                                                                                                                                                                                        |
| Color - Resin                  | Black                                                                                                                                                                                                                                     |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                        |
| First Mate / Last Break        | No                                                                                                                                                                                                                                        |
| Flammability                   | 94V-0                                                                                                                                                                                                                                     |
| Glow-Wire Capable              | Yes                                                                                                                                                                                                                                       |
| Guide to Mating Part           | No                                                                                                                                                                                                                                        |
| Keying to Mating Part          | None                                                                                                                                                                                                                                      |
| Lock to Mating Part            | Yes                                                                                                                                                                                                                                       |
| Material - Metal               | Brass                                                                                                                                                                                                                                     |
| Material - Plating Mating      | Matte Tin                                                                                                                                                                                                                                 |
| Material - Plating Termination | Matte Tin                                                                                                                                                                                                                                 |
| Material - Resin               | High Temperature Thermoplastic                                                                                                                                                                                                            |
| Net Weight                     | 6.730/g                                                                                                                                                                                                                                   |
| Number of Rows                 | 2                                                                                                                                                                                                                                         |
| Orientation                    | Right Angle                                                                                                                                                                                                                               |
| PC Tail Length                 | 3.60mm                                                                                                                                                                                                                                    |
| PCB Locator                    | Yes                                                                                                                                                                                                                                       |
| PCB Retention                  | Yes                                                                                                                                                                                                                                       |
| PCB Thickness - Recommended    | 1.78mm                                                                                                                                                                                                                                    |
| Packaging Type                 | Tray                                                                                                                                                                                                                                      |
| Pitch - Mating Interface       | 4.20mm                                                                                                                                                                                                                                    |
| Pitch - Termination Interface  | 4.20mm                                                                                                                                                                                                                                    |
| Plating min - Mating           | 2.540µm                                                                                                                                                                                                                                   |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per

-ED/01/2018 (15

January 2018)

Halogen-Free

Status

Low-Halogen

Need more information on product

environmental compliance?

Email 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

|                                                |                                                                                         |
|------------------------------------------------|-----------------------------------------------------------------------------------------|
| Plating min - Termination                      | 2.540μm                                                                                 |
| 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                  | 13.0A                                                                                   |
| Voltage - Maximum                              | 600V                                                                                    |
| <b>Solder Process Data</b>                     |                                                                                         |
| Duration at Max. Process Temperature (seconds) | 030                                                                                     |
| Lead-freeProcess Capability                    | SMC&WAVE                                                                                |
| Max. Cycles at Max. Process Temperature        | 001                                                                                     |
| Process Temperature max. C                     | 255                                                                                     |
| <b>Material Info</b>                           |                                                                                         |
| Engineering Number                             | 5569-16A7MS-130-T                                                                       |
| <b>Reference - Drawing Numbers</b>             |                                                                                         |
| Packaging Specification                        | PK-5569-003                                                                             |
| Product Specification                          | PS-45750-001-001, PS-5556-001-001,<br>PS-5556-004-001, TS-5556-002-001, TS-5569-001-001 |
| Sales Drawing                                  | 55690007-SD-000                                                                         |

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