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Part Number:

0026013142

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 4 Circuits, PA Polyamide Nylon 6/6 94V-2, 1.27µm Select Gold (Au) Plating

Documents:

Drawing (PDF)

3D Model

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

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

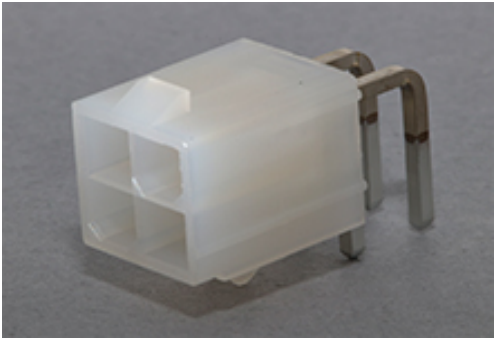
Packaging Specification PK-5569-003-001 (PDF)

Test Summary TS-5556-002-001 (PDF)

Test Summary TS-5569-001-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                                                                                           |
| CSA                            | LR19980                                                                                                                                                                                                                                   |
| UL                             | E29179                                                                                                                                                                                                                                    |
| General                        |                                                                                                                                                                                                                                           |
| Product Family                 | PCB Headers                                                                                                                                                                                                                               |
| Series                         | 5569                                                                                                                                                                                                                                      |
| 3D Viewer                      | Yes                                                                                                                                                                                                                                       |
| Application                    | Power, Wire-to-Board                                                                                                                                                                                                                      |
| CURRENT-MAX-NUMERIC            | 13.0                                                                                                                                                                                                                                      |
| 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. |
| 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                                                                                                                                                                                                             |
| PITCH-MATING-NUMERIC           | 4.20                                                                                                                                                                                                                                      |
| Product Name                   | Mini-Fit Jr.                                                                                                                                                                                                                              |
| UPC                            | 884982064058                                                                                                                                                                                                                              |
| Physical                       |                                                                                                                                                                                                                                           |
| Breakaway                      | No                                                                                                                                                                                                                                        |
| Circuits (Loaded)              | 4                                                                                                                                                                                                                                         |
| Circuits (maximum)             | 4                                                                                                                                                                                                                                         |
| Color - Resin                  | Natural                                                                                                                                                                                                                                   |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                        |
| First Mate / Last Break        | No                                                                                                                                                                                                                                        |
| Flammability                   | 94V-2                                                                                                                                                                                                                                     |
| Glow-Wire Capable              | 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 | Matte Tin                                                                                                                                                                                                                                 |
| Material - Resin               | Nylon                                                                                                                                                                                                                                     |
| Net Weight                     | 1.529/g                                                                                                                                                                                                                                   |
| Number of Rows                 | 2                                                                                                                                                                                                                                         |
| Orientation                    | Right Angle                                                                                                                                                                                                                               |
| PC Tail Length                 | 3.60mm                                                                                                                                                                                                                                    |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -

ED/71/2019 (16 July

2019)

Halogen-Free

Status

Low-Halogen

For more information, please visit

Contact US

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, Mini-Fit TPA2 Receptacle Housing 172708

|                                                |                                   |
|------------------------------------------------|-----------------------------------|
| 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                           | 1.270µm                           |
| 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° 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                     | 240                               |
| <b>Material Info</b>                           |                                   |
| Engineering Number                             | 5569-04A2GS3-T                    |
| <b>Reference - Drawing Numbers</b>             |                                   |
| Packaging Specification                        | PK-5569-003-001                   |
| Product Specification                          | PS-45750-001-001, PS-5556-001-001 |
| Sales Drawing                                  | 55690002-SD-000                   |
| Test Summary                                   | TS-5556-002-001, TS-5569-001-001  |

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