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Part Number:

0050362428

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Peg, 14 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)

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                                                                                                                                                                                                                                      |
| 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                            | 883906713317                                                                                                                                                                                                                              |
| Physical                       |                                                                                                                                                                                                                                           |
| Breakaway                      | No                                                                                                                                                                                                                                        |
| Circuits (Loaded)              | 14                                                                                                                                                                                                                                        |
| Circuits (maximum)             | 14                                                                                                                                                                                                                                        |
| 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                     | 5.490/g                                                                                                                                                                                                                                   |
| Number of Rows                 | 2                                                                                                                                                                                                                                         |
| Orientation                    | Right Angle                                                                                                                                                                                                                               |
| PC Tail Length                 | 3.60mm                                                                                                                                                                                                                                    |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

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

Mini-Fit TPA2 Receptacle Housing 172708

|                                |                |
|--------------------------------|----------------|
| 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        |
| 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   |

#### Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum             | 600V  |

#### Solder Process Data

|                                                |          |
|------------------------------------------------|----------|
| Duration at Max. Process Temperature (seconds) | 030      |
| Lead-freeProcess Capability                    | SMC&WAVE |
| Max. Cycles at Max. Process Temperature        | 001      |
| Process Temperature max. C                     | 255      |

#### Material Info

|                    |                   |
|--------------------|-------------------|
| Engineering Number | 5569-14A7MS-130-T |
|--------------------|-------------------|

#### Reference - Drawing Numbers

|                         |                                                       |
|-------------------------|-------------------------------------------------------|
| Packaging Specification | PK-5569-003-001                                       |
| Product Specification   | PS-45750-001-001, PS-5556-001-001,<br>PS-5556-004-001 |
| Sales Drawing           | 55690007-SD-000                                       |
| Test Summary            | TS-5556-002-001, TS-5569-001-001                      |

This document was generated on 10/10/2019

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