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Part Number:

0039291167

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 16 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating

Documents:

- 3D Model

Application Specification AS-5557-001-001 (PDF)
- Drawing (PDF)

Packaging Specification 55690001-PK-000 (PDF)
- 3D Model (PDF)

Packaging Specification PK-5569-002-001 (PDF)
- Product Specification PS-45750-001-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Product Specification PS-5556-001-001 (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.

Component Type

PCB Header

Overview

Mini-Fit Family Power Connectors

Product Name

Mini-Fit Jr.

Taxonomy

PCB Headers and Receptacles

UPC

800753580602

Physical

Breakaway

No

Circuits (Loaded)

16

Circuits (maximum)

16

Color - Resin

Natural

Durability (mating cycles max)

30

First Mate / Last Break

No

Flammability

94V-0

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

Matte Tin

Material - Plating Termination

Matte Tin

Material - Resin

Nylon

Net Weight

5.945/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

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](#)

|                                                |                                   |
|------------------------------------------------|-----------------------------------|
| 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                      |
| <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                             | 5569-16A1-210                     |
| <b>Reference - Drawing Numbers</b>             |                                   |
| Application Specification                      | AS-5557-001-001                   |
| Packaging Specification                        | 55690001-PK-000, PK-5569-002-001  |
| Product Specification                          | PS-45750-001-001, PS-5556-001-001 |
| Sales Drawing                                  | SD-5569-002-000                   |

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