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Part Number:

0039281123

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 12 Circuits, without Snap-in Plastic Peg PCB Lock, Tin, Natural

Documents:

- Drawing (PDF)

3D Model

3D Model (PDF)

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

Application Specification AS-5557-001-001 (PDF)
- Packaging Specification PK-5566-000 (PDF)

Packaging Specification PK-5566-003-001 (PDF)

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

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

PCB Headers

5566

Power, Wire-to-Board

The 5566 header should be used with standard Mini-Fit female terminals. If increased amperage of up to 13A per circuit is needed, please consider using the Mini-Fit Plus HCS family 45750 terminals with 46015 headers; . See Molex Product specification PS-5666-001 for current de-rating information.

Overview

Product Name

UPC

Mini-Fit Family Power Connectors

Mini-Fit Jr.

800753581616

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Capable

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Net Weight

Number of Rows

Orientation

PC Tail Length

PCB Locator

PCB Retention

PCB Thickness - Recommended

Packaging Type

Pitch - Mating Interface

Pitch - Termination Interface

No

12

12

Natural

30

No

94V-2

No

No

None

Yes

Brass

Tin

Tin

Nylon

3.224/g

2

Vertical

3.50mm

Yes

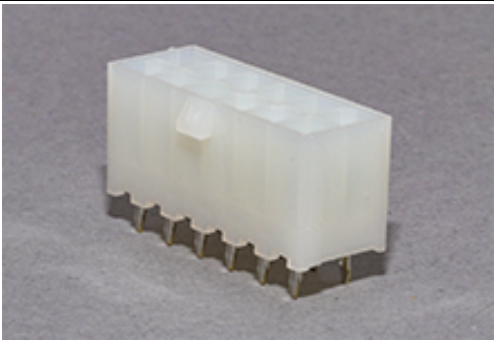
None

1.60mm

Bag

4.20mm

4.20mm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

5566 Series

Mates With

5557 Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing 172708

|                                                |                              |
|------------------------------------------------|------------------------------|
| Plating min - Mating                           | 0.889μm                      |
| Plating min - Termination                      | 0.889μm                      |
| 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                  | 9.0A                         |
| 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                             | 5566-12A                     |
| <b>Reference - Drawing Numbers</b>             |                              |
| Application Specification                      | AS-5557-001-001              |
| Packaging Specification                        | PK-5566-000, PK-5566-003-001 |
| Product Specification                          | PS-5556-001-001              |
| Sales Drawing                                  | SD-5566-002-000              |
| Test Summary                                   | TS-5556-002-001              |

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