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Part Number:

0039310028

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 2 Circuits, without Snap-in Plastic Peg PCB Lock, Gold, Natural

Documents:

- 3D Model

Packaging Specification PK-5566-000 (PDF)
- Drawing (PDF)

Packaging Specification PK-5566-003-001 (PDF)
- Product Specification PS-5556-001-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Application Specification AS-5557-001-001 (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

5566

Application

Power, Wire-to-Board

Comments

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

Mini-Fit Jr. Power Connectors

Product Name

Mini-Fit Jr.

UPC

800754251471

Physical

Breakaway

No

Circuits (Loaded)

2

Circuits (maximum)

2

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

Gold

Material - Plating Termination

Matte Tin

Material - Resin

Nylon

Net Weight

1.223/g

Number of Rows

2

Orientation

Vertical

PC Tail Length

3.50mm

PCB Locator

Yes

PCB Retention

None

PCB Thickness - Recommended

1.60mm

Packaging Type

Bag

Pitch - Mating Interface

4.20mm

Pitch - Termination Interface

4.20mm

Plating min - Mating

0.762µm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per - ED/61/2018 (27 June 2018)

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

5566 Series

Mates With

5557 Mini-Fit Jr. Receptacle Housing

|                                                |                              |
|------------------------------------------------|------------------------------|
| 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                  | 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                     | 260                          |
| <b>Material Info</b>                           |                              |
| Engineering Number                             | 5566-02BGS-210               |
| <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              |

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