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Part Number:

0039281243

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 24 Circuits, without Snap-in Plastic Peg PCB Lock, Tin, Natural

Documents:

- Drawing (PDF)

3D Model

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

3D Viewer

Application

CURRENT-MAX-NUMERIC

Comments

PCB Headers

5566

Yes

Power, Wire-to-Board

9.0

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.

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.

Comments

Overview

PITCH-MATING-NUMERIC

Product Name

UPC

Mini-Fit Jr. Power Connectors

4.20

Mini-Fit Jr.

800753581661

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

No

24

24

Natural

30

No

94V-2

No

No

None

Yes

Brass

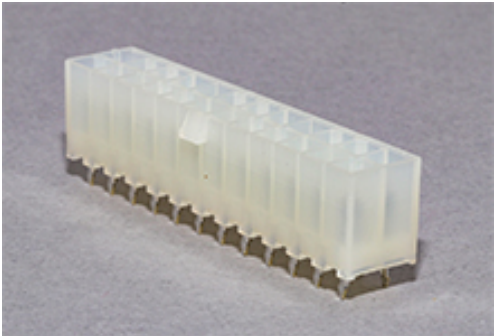
Tin

Tin

Nylon

6.246/g

2



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per  
-ED/88/2018 (15  
January 2019)

Halogen-Free

Status

Low-Halogen

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

China RoHS

China ROHS

ELV

RoHS Phthalates

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

|                                |                |
|--------------------------------|----------------|
| 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           | 0.889μm        |
| 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   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 9.0A |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 240  |

**Material Info**

|                    |          |
|--------------------|----------|
| Engineering Number | 5566-24A |
|--------------------|----------|

**Reference - Drawing Numbers**

|                           |                                   |
|---------------------------|-----------------------------------|
| Application Specification | AS-5557-001-001                   |
| Packaging Specification   | PK-5566-000, PK-5566-003-001      |
| Product Specification     | PS-5556-001-001, RPS-5556-004-001 |
| Sales Drawing             | SD-5566-002-000                   |
| Test Summary              | TS-5556-002-001                   |

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