

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039299242

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 24 Circuits, with Snap-in Plastic Peg PCB Lock, Tin, Natural

- Documents:
- 3D Model

Application Specification AS-5566-001-001 (PDF)
- Drawing (PDF)

Packaging Specification PK-5566-001-001 (PDF)
- 3D Model (PDF)

Test Summary TS-5556-002-001 (PDF)
- Product Specification PS-5556-001-001 (PDF)

Test Summary TS-5566-002-001 (PDF)
- Application Specification AS-5557-001-001 (PDF)

RoHS Certificate of Compliance (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

800753580046

Physical

Breakaway

No

Circuits (Loaded)

24

Circuits (maximum)

24

Color - Resin

Natural

Durability (mating cycles max)

30

First Mate / Last Break

No

Flammability

94V-2

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

Tin

Material - Plating Termination

Tin

Material - Resin

Nylon

Net Weight

4.798/g

Number of Rows

2

Orientation

Vertical

PC Tail Length

3.50mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness - Recommended

1.60mm

Packaging Type

Tray

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(2020)4578-DC (25  
June 2020)

Halogen-Free  
Status

Low-Halogen

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

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

|                                                |                                  |
|------------------------------------------------|----------------------------------|
| 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                             | 5566-24B2                        |
| <b>Reference - Drawing Numbers</b>             |                                  |
| Application Specification                      | AS-5557-001-001, AS-5566-001-001 |
| Packaging Specification                        | PK-5566-001-001                  |
| Product Specification                          | PS-5556-001-001                  |
| Sales Drawing                                  | 55660021-SD-000                  |
| Test Summary                                   | TS-5556-002-001, TS-5566-002-001 |

This document was generated on 07/14/2020

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION