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Part Number:

0039299203

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 20 Circuits, with Snap-in Plastic Peg PCB Lock, Tin, Natural

Documents:

- 3D Model

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

Test Summary TS-5566-002-001 (PDF)
- Product Specification PS-5556-001-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Packaging Specification PK-5566-001 (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

5566

3D Viewer

Yes

Application

Power, Wire-to-Board

CURRENT-MAX-NUMERIC

9.0

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.

Comments

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Overview

Mini-Fit Jr. Power Connectors

PITCH-MATING-NUMERIC

4.20

Product Name

Mini-Fit Jr.

UPC

800754377676

Physical

Breakaway

No

Circuits (Loaded)

20

Circuits (maximum)

20

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

3.958/g

Number of Rows

2



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
ED/71/2019 (16 July
2019)

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, Mini-Fit TPA2 Receptacle Housing 172708

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
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	5566-20A2
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Reference - Drawing Numbers

Packaging Specification	PK-5566-001
Product Specification	PS-5556-001-001
Sales Drawing	55660021-SD-000
Test Summary	TS-5556-002-001, TS-5566-002-001

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