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Part Number:

0039290083

Status:

Active

Overview:

Mini-Fit Jr.™ Power Connectors

Description:

Mini-Fit® Jr. Vertical Header, 4.20mm Pitch, Dual Row, 8 Circuits, without Snap-in Plastic Peg PCB Lock, Gold, Natural

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-5556-001 \(PDF\)](#)
- [Product Specification TS-5556-002 \(PDF\)](#)
- [Packaging Specification PK-5566 \(PDF\)](#)
- [Packaging Specification PK-5566-003 \(PDF\)](#)
- [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

800754205801

Physical

Breakaway

No

Circuits (Loaded)

8

Circuits (maximum)

8

Color - Resin

Natural

Durability (mating cycles max)

30

First Mate / Last Break

No

Flammability

94V-2

Glow-Wire Compliant

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

2214.304/mg

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/21/2016 (20 June
2016)

Halogen-Free
Status

Low-Halogen

Need more information on product
environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

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°C 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	260
Material Info	
Engineering Number	5566-08AGS
Reference - Drawing Numbers	
Packaging Specification	PK-5566, PK-5566-003
Product Specification	PS-5556-001, TS-5556-002
Sales Drawing	SD-5566-002

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