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Part Number: [0039281083](#)
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, Tin, Natural

Documents:

3D Model	Packaging Specification PK-5566 (PDF)
Drawing (PDF)	Packaging Specification PK-5566-003 (PDF)
Product Specification PS-5556-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification TS-5556-002 (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.
MolexKits	Yes
Overview	Mini-Fit Jr.™ Power Connectors
Product Name	Mini-Fit Jr.™
UPC	800753628724

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	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	2.216/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

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

Mini-Fit Jr.™ Receptacle Housing [5557](#)

Mini-Fit Jr.™ TPA Cable Assembly [45135](#)

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°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-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Engineering Number	5566-08A
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Reference - Drawing Numbers

Packaging Specification	PK-5566, PK-5566-003
Product Specification	PS-5556-001, RPS-5556-004, TS-5556-002
Sales Drawing	SD-5566-002

This document was generated on 09/20/2016

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