

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0039281103](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 10 Circuits, without Snap-in Plastic Peg PCB Lock, Tin, Natural

Documents:

3D Model (PDF)	Packaging Specification PK-5566-000 (PDF)
Drawing (PDF)	Packaging Specification PK-5566-003-001 (PDF)
3D Model	Test Summary TS-5556-002-001 (PDF)
Product Specification PS-5556-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Application Specification AS-5557-001-001 (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.
Component Type	PCB Header
Overview	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Jr.
Taxonomy	PCB Headers and Receptacles
UPC	800753581982

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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	2.720/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

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

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[5566 Series](#)

Mates With

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

Mini-Fit Jr. Cable Assembly [245135](#) ,
 Mini-Fit TPA2 Receptacle Housing [172708](#)

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-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

Material Info

Engineering Number	5566-10A
--------------------	----------

Reference - Drawing Numbers

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

This document was generated on 01/04/2023

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION