

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0039295243](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 24 Circuits, PA Polyamide Nylon 6/6 94V-2, .0.76µm Gold (Au) Plating

Documents:

3D Model	Product Specification PS-5556-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-5569-002-001 (PDF)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-45750-001-001 (PDF)	



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	5569
Application	Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. See Molex Product specification PS-5556-001 for additional current de-rating information.
Overview	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Jr.
Taxonomy	PCB Headers and Receptacles
UPC	800754239653

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	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	8.419/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
Packaging Type	Bag
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm

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

[5569](#) Series

Mates With

[5557](#) Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing [172708](#)

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	13.0A
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	5569-24AG1
--------------------	------------

Reference - Drawing Numbers

Packaging Specification	PK-5569-002-001
Product Specification	PS-45750-001-001, PS-5556-001-001
Sales Drawing	SD-5569-002-000

This document was generated on 10/07/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION