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Part Number: [0039295063](#)

Status: **Active**

Overview: [Mini-Fit Family Power Connectors](#)

Description: Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 6 Circuits, PA Polyamide Nylon 6/6 94V-2, .0.76µm Gold (Au) Plating

Documents:

[3D Model](#)

[3D Model \(PDF\)](#)

[Drawing \(PDF\)](#)

[Product Specification PS-45750-001-001 \(PDF\)](#)

[Product Specification PS-5556-001-001 \(PDF\)](#)

[Packaging Specification PK-5569-002-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

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 800753429093

Physical

Breakaway No

Circuits (Loaded) 6

Circuits (maximum) 6

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 2.424/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



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

[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	5569-06AG1
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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

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