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**Part Number:** [0039291028](#)

**Status:** **Active**

**Overview:** [Mini-Fit Jr. Power Connectors](#)

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

**Documents:**

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

[3D Model](#)

[Drawing \(PDF\)](#)

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

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

[Application Specification AS-5557-001-001 \(PDF\)](#)

[Packaging Specification 55690001-PK-000 \(PDF\)](#)

[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 Jr. Power Connectors](#)

Product Name Mini-Fit Jr.

UPC 800753580893

**Physical**

Breakaway No

Circuits (Loaded) 2

Circuits (maximum) 2

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 Matte Tin

Material - Plating Termination Matte Tin

Material - Resin Nylon

Net Weight 1.105/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 2.540µm

Plating min - Termination 2.540µm



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

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

<br>Mini-Fit Jr. TPA Cable Assembly [45135](#)

<br>Mini-Fit Jr. Cable Assembly [245135](#) ,

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	5569-02A1
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**Reference - Drawing Numbers**

Application Specification	AS-5557-001-001
Packaging Specification	55690001-PK-000, PK-5569-002-001
Product Specification	PS-45750-001-001, PS-5556-001-001
Sales Drawing	SD-5569-002-000

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