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**Part Number:** [0039301161](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 16 Circuits, PA Polyamide Nylon 6/6 94V-2, 0.76µm Select Gold (Au) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-5557-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-5569-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-5556-002-001 (PDF)</a>
<a href="#">Product Specification PS-45750-001-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-39-30-1160-001 (PDF)</a>
<a href="#">Product Specification PS-5556-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">5569</a>
Application	Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> 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	<a href="#">Mini-Fit Family Power Connectors</a>
Product Name	Mini-Fit Jr.
UPC	800754379694

**Physical**

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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	Matte Tin
Material - Resin	Nylon
Net Weight	5.546/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(2021)10043-DC (17  
Jan 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	240

**Material Info**

Engineering Number	5569-16A2G
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**Reference - Drawing Numbers**

Application Specification	AS-5557-001-001
Packaging Specification	PK-5569-002-001
Product Specification	PS-45750-001-001, PS-5556-001-001
Sales Drawing	55690002-SD-000
Symbol/Footprint Data	SYM-39-30-1160-001
Test Summary	TS-5556-002-001

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