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**Part Number:** **0039295083**  
**Status:** **Active**  
**Overview:** Mini-Fit Jr. Power Connectors  
**Description:** Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flange, 8 Circuits, PA Polyamide Nylon 6/6 94V-2, .0.76µm Gold (Au) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-5569-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-5569-004-000 (PDF)</a>
<a href="#">Product Specification PS-45750-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-5556-001 (PDF)</a>	

**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	<a href="#">Mini-Fit Jr. Power Connectors</a>
Product Name	Mini-Fit Jr.™
UPC	800754373876

**Physical**

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	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	3.106/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
Polarized to Mating Part	Yes



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/30/2017 (7 July 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[5569 Series](#)

**Mates With**

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

Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C 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	5569-08AG1
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**Reference - Drawing Numbers**

Packaging Specification	PK-5569-002-001, PK-5569-004-000
Product Specification	PS-45750-001-001, PS-5556-001
Sales Drawing	SD-5569-002-000

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