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**Part Number:** [39-29-5103](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr.™](#)  
**Description:** 4.20mm Pitch Mini-Fit Jr.™ Header, Dual Row, Right Angle, with PCB Mounting Flange, 10 Circuits, PA Polyamide Nylon 6/6 94V-2, Gold (Au) Plating

**Documents:**

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

**Agency Certification**

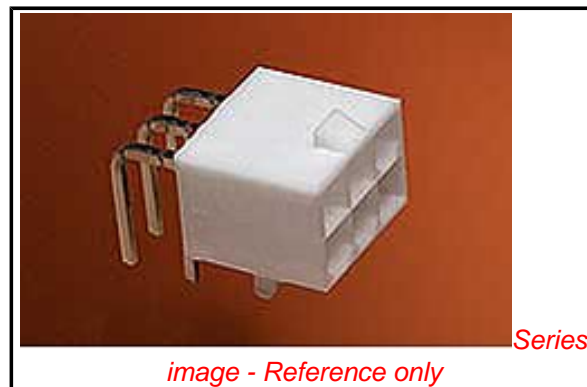
CSA	LR19980
TUV	R72081037
UL	E29179

**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-5556001 for additional current de-rating information.
Overview	<a href="#">Mini-Fit Jr.™</a>
Product Name	Mini-Fit Jr.™
UPC	800753429185

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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	Gold
Material - Resin	Nylon
Net Weight	3.723/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
Polarized to Mating Part	Yes
Polarized to PCB	Yes



*image - Reference only*

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[5569Series](#)

**Mates With**

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

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	13A
Voltage - Maximum	600V

#### **Solder Process Data**

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

#### **Material Info**

Old Part Number	5569-10AG1
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#### **Reference - Drawing Numbers**

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

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