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Part Number: [39-31-0127](#)
Status: **Active**
Overview: [Mini-Fit Jr.™ Power Connectors](#)
Description: Mini-Fit® Jr. Header, Dual Row, Vertical, without Snap-in Plastic Peg PCB Lock, 12 Circuits, PA Polyamide Nylon 6/6 94V-2, 0.76µm Gold (Au) Selective Plating, with Drain Holes

Documents:

[3D Model](#) [Packaging Specification PK-5566-003 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-5556-001 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [5566](#)
 Application Power, Wire-to-Board
 Comments The 5566 header should be used with standard Mini-Fit® female terminals. If increased amperage of up to 13A per circuit is needed, please consider using the Mini-Fit® Plus HCS family [45750](#) terminals with [46015](#) headers; . See Molex Product specification PS-5666-001 for current de-rating information.
[Mini-Fit Jr.™ Power Connectors](#)
 Overview
 Product Name Mini-Fit Jr.™
 UPC 800753514195

Physical

Breakaway No
 Circuits (Loaded) 12
 Circuits (maximum) 12
 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 3.219/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 3.50mm
 PCB Locator Yes
 PCB Retention None
 PCB Thickness - Recommended 1.60mm
 Packaging Type Bag
 Pitch - Mating Interface 4.20mm
 Pitch - Termination Interface 4.20mm



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
 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

[5566Series](#)

Mates With

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

Polarized to Mating Part	Yes
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	9A
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	5566-12BGS
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Reference - Drawing Numbers

Packaging Specification	PK-5566-003
Product Specification	PS-5556-001
Sales Drawing	SD-5566-002

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