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Part Number: [0874272448](#)
Status: **Active**
Overview: Mini-Fit Jr. Power Connectors
Description: Mini-Fit Jr.™ Header, 4.20mm Pitch, Vertical, Nylon, without Flange, 24Circuits, 0.76µm Gold (Au) over Nickel (Ni) Plating, Bulk Packaging

Documents:

[3D Model](#) [Product Specification PS-87427-0001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-45750-001-001 \(PDF\)](#)

Agency Certification

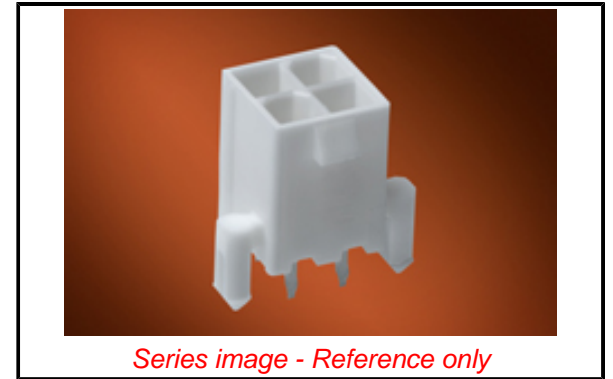
CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [87427](#)
 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-45750-001 for additional current de-rating information.
 Overview [Mini-Fit Jr. Power Connectors](#)
 Product Name Mini-Fit Jr.™
 UPC 822350819619

Physical

Breakaway No
 Circuits (Loaded) 24
 Circuits (maximum) 24
 Color - Resin Beige
 Durability (mating cycles max) 30
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Compliant No
 Lock to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Gold
 Material - Plating Termination Gold
 Material - Resin Nylon
 Net Weight 7.883/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 3.30mm
 PCB Locator No
 PCB Retention None
 PCB Thickness - Recommended 1.60mm
 Packaging Type Bag
 Pitch - Mating Interface 4.20mm
 Pitch - Termination Interface 4.20mm
 Plating min - Mating 0.762µm
 Plating min - Termination 0.762µm
 Polarized to Mating Part Yes
 Polarized to PCB No
 Shrouded Fully



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

Halogen-Free Status

Not Low-Halogen

Need more information on product environmental compliance?

Email 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

[87427 Series](#)

Mates With

Mini-Fit Jr.™ Receptacle Housing [5557](#)
 Mini-Fit Jr.™ Cable Assembly [245135](#)

Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	13.0A
Voltage - Maximum	600V AC (RMS)/DC
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	
Reference - Drawing Numbers	
Product Specification	PS-45750-001-001, PS-87427-0001-001
Sales Drawing	SD-87427-**-4*

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