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Part Number: [0874270242](#)

Status: **Active**

Overview: [Mini-Fit Jr.™ Power Connectors](#)

Description: Mini-Fit Jr.™ Header, 4.20mm Pitch, Vertical, without Flange, 2 Circuits, Tin (Sn) over Nickel (Ni) Plating, Bulk Packaging

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

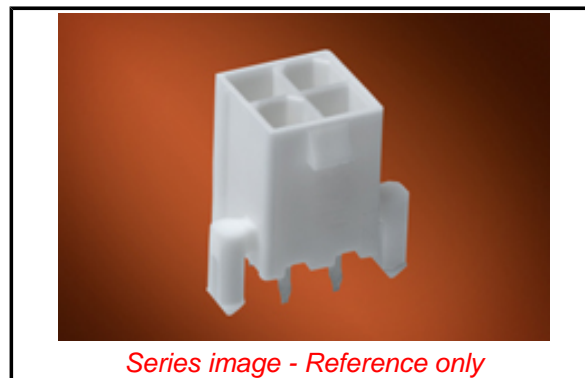
CSA LR19980
UL E29179

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 800754831345

Physical

Breakaway No
Circuits (Loaded) 2
Circuits (maximum) 2
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 Tin
Material - Plating Termination Tin
Material - Resin Nylon
Net Weight 1.008/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 2.540µm
Plating min - Termination 2.540µm
Polarized to Mating Part Yes
Polarized to PCB No
Shrouded Fully
Stackable No



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -ED/79/2015 (17 December 2015)

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
ELV

Green Image
Not Relevant

Search Parts in this Series

[87427 Series](#)

Mates With

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

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**Reference - Drawing Numbers**

Sales Drawing	SD-87427-***4*
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