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Part Number:

0874271642

Status:

Active

Overview:

Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Header, 4.20mm Pitch, Vertical, Nylon, without Flange, 16 Circuits, Tin (Sn) over Nickel (Ni) Plating, Bulk Packaging

Documents:

- 3D Model

Product Specification PS-87427-0001-001 (PDF)
- Drawing (PDF)

Packaging Specification PK-87427-004-001 (PDF)
- Product Specification PS-45750-001-001 (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

800756483917

Physical

Breakaway

No

Circuits (Loaded)

16

Circuits (maximum)

16

Color - Resin

Beige

Durability (mating cycles max)

30

First Mate / Last Break

No

Flammability

94V-0

Glow-Wire Capable

No

Lock to Mating Part

Yes

Material - Metal

Brass

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

Nylon

Net Weight

5.444/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

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](#)

Mini-Fit TPA2 Receptacle Housing
[172708](#)

Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° 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-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-87427-004-001
Product Specification	PS-45750-001-001, PS-87427-0001-001
Sales Drawing	SD-87427-XX4X

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