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Part Number:

87427-0242

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



Series

image - Reference only

Documents:

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

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

PCB Headers

87427

Power, Wire-to-Board

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

Product Name

UPC

Mini-Fit Jr.™ Power Connectors

Mini-Fit Jr.™

800754831345

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Net Weight

Number of Rows

Orientation

PC Tail Length

PCB Locator

PCB Retention

PCB Thickness - Recommended

Packaging Type

Pitch - Mating Interface

Pitch - Termination Interface

Plating min - Mating

Plating min - Termination

Polarized to Mating Part

Polarized to PCB

No

2

2

Beige

30

No

94V-0

No

Yes

Brass

Tin

Tin

Nylon

1.008/g

2

Vertical

3.30mm

No

None

1.60mm

Bag

4.20mm

4.20mm

2.540µm

2.540µm

Yes

No

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not 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

87427Series

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                |
| <b>Electrical</b>                              |                             |
| Current - Maximum per Contact                  | 13A                         |
| Voltage - Maximum                              | 600V                        |
| <b>Solder Process Data</b>                     |                             |
| 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                         |
| <b>Material Info</b>                           |                             |
| <b>Reference - Drawing Numbers</b>             |                             |
| Product Specification                          | PS-45750-001, PS-87427-0001 |
| Sales Drawing                                  | SD-87427-**4*               |

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