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Part Number:

36633-0025

Status:

Active

Overview:

Mini-Fit Jr.™

Description:

4.20mm Mini-Fit Jr.™ Header, Vertical, Nylon, without Flange, 10 Circuits, Tin (Sn) over Nickel (Ni) Plating, Lead-Free



Series

image - Reference only

Documents:

3D Model

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

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.™                                                                                                                                                                                                                               |
| Product Name   | Mini-Fit Jr.™                                                                                                                                                                                                                               |

Physical

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 10              |
| Circuits (maximum)             | 10              |
| Color - Resin                  | Beige           |
| Durability (mating cycles max) | 30              |
| First Mate / Last Break        | No              |
| Glow-Wire Compliant            | No              |
| Lock to Mating Part            | Yes             |
| Material - Metal               | Brass           |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| 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              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 13A  |
| Voltage - Maximum             | 600V |

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

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

**Material Info**

|            |              |
|------------|--------------|
| Net Weight | 3.546/g      |
| UPC        | 884982146082 |

**Reference - Drawing Numbers**

|               |               |
|---------------|---------------|
| Sales Drawing | SD-87427-**4* |
|---------------|---------------|

This document was generated on 07/30/2012

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