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Part Number:

0874270442

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit Jr. Header, 4.20mm Pitch, Vertical, without Flange, 4 Circuits, Tin (Sn) over Nickel (Ni) Plating, Bulk Packaging

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45750-001-001 (PDF)

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

Packaging Specification PK-87427-004-001 (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 Family Power Connectors                                                                                                                                                                                                           |
| Product Name                   | Mini-Fit Jr.                                                                                                                                                                                                                               |
| UPC                            | 800754773140                                                                                                                                                                                                                               |
| Physical                       |                                                                                                                                                                                                                                            |
| Breakaway                      | No                                                                                                                                                                                                                                         |
| Circuits (Loaded)              | 4                                                                                                                                                                                                                                          |
| Circuits (maximum)             | 4                                                                                                                                                                                                                                          |
| 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                     | 1.608/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(2021)4569-DC (8

July 2021)

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

<br>Mini-Fit Jr. Cable Assembly 245135

<br>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                        |
| <b>Electrical</b>                              |                                     |
| Current - Maximum per Contact                  | 13.0A                               |
| Voltage - Maximum                              | 600V                                |
| <b>Solder Process Data</b>                     |                                     |
| Duration at Max. Process Temperature (seconds) | 005                                 |
| Lead-freeProcess Capability                    | WAVE                                |
| Max. Cycles at Max. Process Temperature        | 001                                 |
| Process Temperature max. C                     | 260                                 |
| <b>Material Info</b>                           |                                     |
| <b>Reference - Drawing Numbers</b>             |                                     |
| Packaging Specification                        | PK-87427-004-001                    |
| Product Specification                          | PS-45750-001-001, PS-87427-0001-001 |
| Sales Drawing                                  | SD-87427-XX4X-001                   |

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