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**Part Number:** [0874272448](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** Mini-Fit Jr. Header, 4.20mm Pitch, Vertical, Nylon, without Flange, 24Circuits, 0.76µm Gold (Au) over Nickel (Ni) Plating, Bulk Packaging

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification PS-87427-0001-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-87427-004-001 (PDF)</a> |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

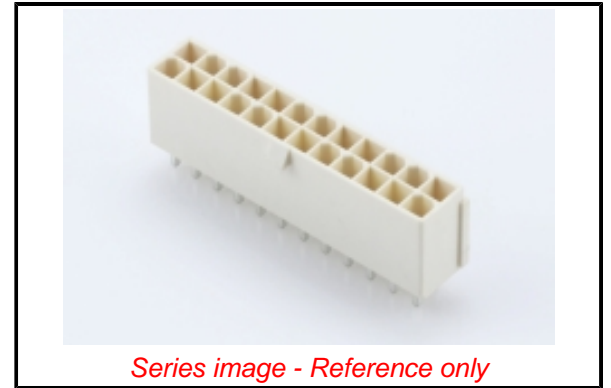
**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">87427</a>  |
| Application    | Power, Wire-to-Board   |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> 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     | <a href="#">Mini-Fit Family Power Connectors</a> |
| Product Name | Mini-Fit Jr.                                     |
| UPC          | 822350819619                                     |

**Physical**

|                                |          |
|--------------------------------|----------|
| Breakaway                      | No       |
| Circuits (Loaded)              | 24       |
| Circuits (maximum)             | 24       |
| 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      | Gold     |
| Material - Plating Termination | Gold     |
| Material - Resin               | Nylon    |
| Net Weight                     | 7.883/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           | 0.762µm  |
| Plating min - Termination      | 0.762µm  |
| Polarized to Mating Part       | Yes      |
| Polarized to PCB               | No       |
| Shrouded                       | Fully    |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

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) | Yes            |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 13.0A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

**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**

|                         |                                     |
|-------------------------|-------------------------------------|
| 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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