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Part Number:

1724480010

Status:

Active

Overview:

Mini-Fit Jr.™ Power Connectors

Description:

Mini-Fit® Jr. Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 10 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, Glow Wire Compatible

Documents:

3D Model

Drawing (PDF)

Product Specification PS-45750-001 (PDF)

Product Specification PS-5556-001 (PDF)

Test Summary TS-5556-002 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

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

General

|                |                                |
|----------------|--------------------------------|
| Product Family | PCB Headers                    |
| Series         | 172448                         |
| Application    | Power, Wire-to-Board           |
| Overview       | Mini-Fit Jr.™ Power Connectors |
| Product Name   | Mini-Fit Jr.™                  |
| UPC            | 887191729176                   |

Physical

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 10              |
| Circuits (maximum)             | 10              |
| Color - Resin                  | Black           |
| Durability (mating cycles max) | 30              |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-2           |
| Glow-Wire Compliant            | Yes             |
| Guide to Mating Part           | No              |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | Yes             |
| Material - Metal               | Brass           |
| Material - Plating Mating      | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 3.791/g         |
| Number of Rows                 | 2               |
| Orientation                    | Right Angle     |
| PC Tail Length                 | 3.60mm          |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.78mm          |
| Packaging Type                 | Tray            |
| 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               | Yes             |
| Shrouded                       | Fully           |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per  
-ED/79/2015 (17  
December 2015)

Halogen-Free

Status

Not Low-Halogen

Need more information on product  
environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|            |              |
|------------|--------------|
| China ROHS | Green Image  |
| ELV        | Not Relevant |

Search Parts in this Series

172448 Series

Mates With

46992 Mini-Fit® Jr. Receptacle

**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                     | 240  |

**Material Info**

**Reference - Drawing Numbers**

|                       |                           |
|-----------------------|---------------------------|
| Product Specification | PS-45750-001, PS-5556-001 |
| Sales Drawing         | SD-172448-0000            |
| Test Summary          | TS-5556-002               |

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