



**Part Number :** [1726480103](#)  
**Product Description :** Mini-Fit Jr. Header,  
Single Row, Right-Angle, with Snap-in Plastic  
Peg PCB Lock, 3 Circuits, Nylon, 94V-2, Matte  
Tin (Sn) Plating, Glow-Wire Capable  
**Series Number :** 172648  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



Documents & Resources

**Drawings**  
[1726480103\\_sd.pdf](#)  
[PK-5569-005-001.pdf](#)

**3D Models and Design Files**  
[1726480103\\_stp.zip](#)

**Specifications**  
[PK-5569-002-001.pdf](#)  
[PS-45750-001-001.pdf](#)  
[PS-5556-001-001.pdf](#)  
[55560001-TS-000.pdf](#)  
[TS-5556-002-001.pdf](#)

Product Environment Compliance

Compliance

|                    |                                                 |
|--------------------|-------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                 |
| China RoHS         |                                                 |
| EU ELV             | Not Relevant                                    |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21              |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024) |
| EU RoHS            | Compliant per EU 2015/863                       |

Multiple Part Product Compliance Statements  
- Eu RoHS

- REACH SVHC

- Low-Halogen

#### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

- IPC 1752A Class D

- Molex Product Compliance Declaration

- IEC-62474

- chemSHERPA (xml)

#### EU RoHS Certificate of Compliance

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## Part Details

### General

|                |                                                                                                                                                      |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                               |
| Category       | PCB Headers and Receptacles                                                                                                                          |
| Series         | 172648                                                                                                                                               |
| Description    | Mini-Fit Jr. Header, Single Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 3 Circuits, Nylon, 94V-2, Matte Tin (Sn) Plating, Glow-Wire Capable |
| Application    | Power, Wire-to-Board                                                                                                                                 |
| Component Type | PCB Header                                                                                                                                           |
| Product Name   | Mini-Fit Jr.                                                                                                                                         |
| UPC            | 887191728933                                                                                                                                         |

### Agency

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

### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 12.5A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

### Physical

|                    |    |
|--------------------|----|
| Breakaway          | No |
| Circuits (Loaded)  | 3  |
| Circuits (maximum) | 3  |

|                                |                |
|--------------------------------|----------------|
| Color - Resin                  | Black          |
| Durability (mating cycles max) | 30             |
| First Mate / Last Break        | No             |
| Flammability                   | 94V-2          |
| Glow-Wire Capable              | Yes            |
| Guide to Mating Part           | No             |
| Keying to Mating Part          | None           |
| Lock to Mating Part            | Yes            |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Matte Tin      |
| Material - Plating Termination | Matte Tin      |
| Material - Resin               | Nylon          |
| Net Weight                     | 1.158/g        |
| Number of Rows                 | 1              |
| Orientation                    | Right Angle    |
| Packaging Type                 | Bag            |
| PC Tail Length                 | 3.50mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.78mm         |
| 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               | Yes            |
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface Style    | Through Hole   |

## Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |

|          |     |
|----------|-----|
| Max-Temp | 220 |
|----------|-----|

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Mates With / Use With

Mates with Part(s)

| Description                                                                                                                                                | Part Number       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Mini-Fit Sigma Receptacle Housing, 4.20mm Pitch, Single Row, Glow-Wire Capable, 3 Circuits                                                                 | <u>2004531003</u> |
| Mini-Fit Jr. Receptacle Housing, Single Row, PA Polyamide Nylon 6/6, UL 94V-2, 3 Circuits, Positive Latch, First Mate/Last Break, Glow-Wire Capable, Black | <u>50291662</u>   |