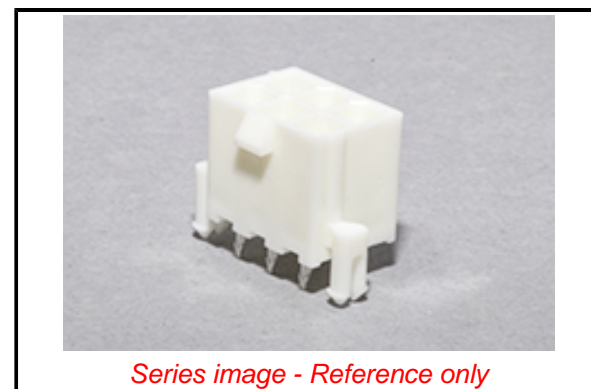


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**Part Number:** [0460150609](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit Plus Header, Dual Row, Vertical, 6 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-0, 0.76µm Gold (Au) Selective Plating

**Documents:**

|  |  |
|--|--|
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-5566-001-001 (PDF)</a>  |
| <a href="#">3D Model</a>                                     | <a href="#">Test Summary TS-5566-002-001 (PDF)</a>             |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Symbol Footprint Data SYM-46015-0603-001 (PDF)</a> |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |



Series image - Reference only

**Agency Certification**

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

**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">46015</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 Plus  |
| UPC            | 883906711733   |

**Physical**

|                                |              |
|--------------------------------|--------------|
| Breakaway                      | No           |
| Circuits (Loaded)              | 6            |
| Circuits (maximum)             | 6            |
| Color - Resin                  | Natural      |
| Durability (mating cycles max) | 100          |
| First Mate / Last Break        | No           |
| Flammability                   | 94V-0        |
| Glow-Wire Capable              | No           |
| Guide to Mating Part           | No           |
| Keying to Mating Part          | None         |
| Lock to Mating Part            | Yes          |
| Material - Metal               | Copper Alloy |
| Material - Plating Mating      | Gold         |
| Material - Plating Termination | Tin          |
| Material - Resin               | Nylon        |
| Net Weight                     | 1.502/g      |
| Number of Rows                 | 2            |
| Orientation                    | Vertical     |
| PC Tail Length                 | 1.80mm       |
| PCB Locator                    | Yes          |
| PCB Retention                  | Yes          |
| PCB Thickness - Recommended    | 1.78mm       |
| Packaging Type                 | Tray         |
| Pitch - Mating Interface       | 4.20mm       |
| Plating min - Mating           | 0.762µm      |
| Plating min - Termination      | 2.540µm      |
| Polarized to Mating Part       | Yes          |

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**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**

[46015](#) Series

**Mates With**

[5557](#) Mini-Fit Jr. Receptacle Housing

|                                |                |
|--------------------------------|----------------|
| Polarized to PCB               | Yes            |
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum             | 600V  |

**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                     | 240  |

**Material Info****Reference - Drawing Numbers**

|                         |                    |
|-------------------------|--------------------|
| Packaging Specification | PK-5566-001-001    |
| Product Specification   | PS-45750-001-001   |
| Sales Drawing           | SD-46015-001-000   |
| Symbol/Footprint Data   | SYM-46015-0603-001 |
| Test Summary            | TS-5566-002-001    |

This document was generated on 12/14/2021

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