



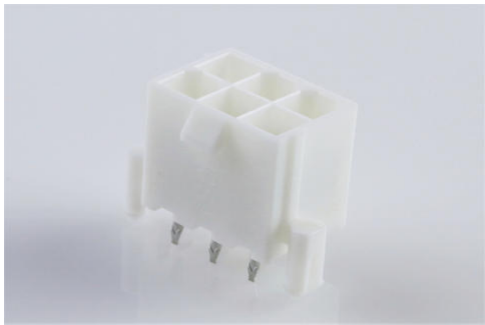
**Part Number :** [460150603](#)

**Product Description :** Mini-Fit Plus Header, Dual Row, Vertical, 6 Circuits, with Snap-in Plastic Peg PCB Lock, without Drain Holes, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) 1.27µm Over Nickel (Ni) Plating

**Series Number :** 46015

**Status :** Active

**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[460150603 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-46015-0603-001.zip](#)

### Specifications

[PS-45750-001-001.pdf](#)

[TS-5566-002-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| China RoHS         | <br>per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                                 |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                               |
| REACH SVHC         | Not Contained per D(2025)4165-DC<br>(25 June 2025)                                                           |
| EU RoHS            | Compliant per EU 2015/863                                                                                    |

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

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## Part Details

### General

|                |                                                                                                                                                                                                                                           |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                                    |
| Category       | PCB Headers and Receptacles                                                                                                                                                                                                               |
| Series         | 46015                                                                                                                                                                                                                                     |
| Description    | Mini-Fit Plus Header, Dual Row, Vertical, 6 Circuits, with Snap-in Plastic Peg PCB Lock, without Drain Holes, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) 1.27µm Over Nickel (Ni) Plating                                                  |
| 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. |
| Component Type | PCB Header                                                                                                                                                                                                                                |
| Product Name   | Mini-Fit Plus                                                                                                                                                                                                                             |
| UPC            | 822350737142                                                                                                                                                                                                                              |

## Agency

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

## Electrical

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

## Physical

|                                |              |
|--------------------------------|--------------|
| Breakaway                      | No           |
| Circuits (Loaded)              | 6            |
| Circuits (maximum)             | 6            |
| Color - Resin                  | Natural      |
| Durability (mating cycles max) | 75           |
| 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      | Tin          |
| Material - Plating Termination | Tin          |
| Material - Resin               | Nylon        |
| Net Weight                     | 1.502/g      |
| Number of Rows                 | 2            |
| Orientation                    | Vertical     |
| Packaging Type                 | Tray         |
| PCB Locator                    | Yes          |
| PCB Retention                  | Yes          |
| PCB Thickness - Recommended    | 1.78mm       |
| PC Tail Length                 | 1.80mm       |
| Pitch - Mating Interface       | 4.20mm       |
| Plating min - Mating           | 2.540µm      |
| Plating min - Termination      | 1.270µm      |
| 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                     | 240  |

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### Mates With / Use With

#### Mates with Part(s)

| Description                      | Part Number |
|----------------------------------|-------------|
| Mini-Fit Jr. Receptacle Housings | <u>5557</u> |

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