



Part Number : [460123141](#)

Product Description : Mini-Fit Plus Crimp Terminal, 16 AWG, Reel, Tin (Sn) Plating

Series Number : 46012

Status : Active

Product Category : Crimp Terminals

Packaging Alternative : [460123142 \(Bag\)](#)



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## Documents & Resources

### Drawings

[Drawing 460123141\\_sd.pdf](#)

[Packaging Design Drawing PK-46012-001-001.pdf](#)


### Specifications

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

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  |
| EU ELV             | Compliant per 2000/53/EC  |
| Low-Halogen Status | 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       | Crimp Terminals   |
| Series         | 46012   |
| Description    | Mini-Fit Plus Crimp Terminal, 16 AWG, Reel, Tin (Sn) Plating  |
| Application    | Power, Wire-to-Wire   |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. See Molex product specification PS-45750-001 for additional current de-rating information. |
| Product Family | Mini-Fit Family Power Connectors  |
| Product Name   | Mini-Fit Plus   |
| UPC            | 822350570459  |

### Electrical

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

### Physical

|                                |              |
|--------------------------------|--------------|
| Durability (mating cycles max) | 100          |
| Gender                         | Male         |
| Material - Metal               | Copper Alloy |
| Material - Plating Mating      | Tin          |
| Material - Plating Termination | Tin          |
| Net Weight                     | 182.000/mg   |
| Packaging Type                 | Reel         |

|                             |                      |
|-----------------------------|----------------------|
| Plating min - Mating        | 2.540µm              |
| Plating min - Termination   | 2.540µm              |
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter    | 1.80-3.15mm          |
| Wire Size (AWG)             | 16                   |
| Wire Size mm <sup>2</sup>   | N/A                  |

### Solder Process Data

|                              |     |
|------------------------------|-----|
| Lead-Free Process Capability | N/A |
|------------------------------|-----|

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### Use with Part(s)

| Description                         | Part Number  |
|-------------------------------------|--------------|
| Mini-Fit Jr. Plug Housings          | <u>5559</u>  |
| Mini-Fit BMI Dual Row Plug Housings | <u>42475</u> |

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### Application Tooling

#### Global

| Description  | Part Number       |
|--|-------------------|
| Extraction Tool for Mini-Fit Jr. Terminals                               | <u>11030044</u>   |
| Hand Crimp Tool for Mini-Fit Jr. Male and Female Crimp Terminals, 16 AWG | <u>2002182200</u> |
| FineAdjust Applicator for Insulation OD 2.20-2.45mm, 16 AWG              | <u>639039400</u>  |
| FineAdjust Applicator for Insulation OD 2.60-3.15mm, 16 AWG              | <u>639041400</u>  |
| FineAdjust Applicator for Insulation OD 1.80-2.20mm, 16 AWG              | <u>639041500</u>  |