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Part Number:

0457501112

Status:

Active

Overview:

Mini-Fit Plus Connector System

Description:

Mini-Fit Plus Crimp Terminal, 18-20 AWG, Bag, Copper (Cu) Alloy, Tin (Sn)

|                                                              |                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------|
| Documents:                                                   |                                                           |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-5556-003 (PDF)</a> |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>      |

|                                |                                                                                                                                                                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General                        |                                                                                                                                                                                                                                                               |
| Product Family                 | Crimp Terminals                                                                                                                                                                                                                                               |
| Series                         | 45750                                                                                                                                                                                                                                                         |
| Application                    | Power, Wire-to-Board, 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.<br> Series 45750 is Hot-Swappable |
| 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.<br> Series 45750 is Hot-Swappable |
| Crimp Quality Equipment        | Yes                                                                                                                                                                                                                                                           |
| Overview                       | <a href="#">Mini-Fit Plus Connector System</a>                                                                                                                                                                                                                |
| Packaging Alternative          | 457501111 (Reel)                                                                                                                                                                                                                                              |
| Product Name                   | Mini-Fit Plus                                                                                                                                                                                                                                                 |
| UPC                            | 822350286022                                                                                                                                                                                                                                                  |
| Physical                       |                                                                                                                                                                                                                                                               |
| Durability (mating cycles max) | 100                                                                                                                                                                                                                                                           |
| Gender                         | Female                                                                                                                                                                                                                                                        |
| Material - Metal               | Copper Alloy                                                                                                                                                                                                                                                  |
| Material - Plating Mating      | Tin                                                                                                                                                                                                                                                           |
| Material - Plating Termination | Tin                                                                                                                                                                                                                                                           |
| Net Weight                     | 0.150/g                                                                                                                                                                                                                                                       |
| Packaging Type                 | Bag                                                                                                                                                                                                                                                           |
| Plating min - Mating           | 2.540µm                                                                                                                                                                                                                                                       |
| Plating min - Termination      | 2.540µm                                                                                                                                                                                                                                                       |
| Termination Interface: Style   | Crimp or Compression                                                                                                                                                                                                                                          |
| Wire Insulation Diameter       | 1.80-3.10mm                                                                                                                                                                                                                                                   |
| Wire Size AWG                  | 18, 20                                                                                                                                                                                                                                                        |
| Wire Size mm²                  | N/A                                                                                                                                                                                                                                                           |
| Electrical                     |                                                                                                                                                                                                                                                               |
| Current - Maximum per Contact  | 13.0A                                                                                                                                                                                                                                                         |
| Voltage - Maximum              | 600V                                                                                                                                                                                                                                                          |
| Solder Process Data            |                                                                                                                                                                                                                                                               |
| Lead-freeProcess Capability    | N/A                                                                                                                                                                                                                                                           |
| Material Info                  |                                                                                                                                                                                                                                                               |
| Reference - Drawing Numbers    |                                                                                                                                                                                                                                                               |
| Packaging Specification        | PK-5556-003                                                                                                                                                                                                                                                   |
| Product Specification          | PS-45750-001-001                                                                                                                                                                                                                                              |
| Sales Drawing                  | SD-45750-001-001                                                                                                                                                                                                                                              |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per                                             |               |
| -ED/88/2018 (15                                               |               |
| January 2019)                                                 |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

45750 Series

Mates With

46012 Mini-Fit Plus Crimp Terminal

Use With

5557 Mini-Fit Jr., 30067 Mini-Fit TPA, 42474 Mini-Fit BMI Panel Mount, 43760 Mini-Fit BMI, 44516 Mini-Fit BMI Panel Mount Slide-N-Lock

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

| Description                            | Product # |
|----------------------------------------|-----------|
| Extraction Tool                        | 11030044  |
| Hand Crimp Tool                        | 638190901 |
| for Mini-Fit Jr. Male and Female Crimp |           |

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