



Part Number : 39000061

Series Number : 5558

Product Category : Crimp Terminals

Product Description : Mini-Fit Male Crimp Terminal, Tin (Sn) over Phosphor Bronze, Double 22+22 or Single 24-18 AWG, Reel

Status : Active

Engineering Number : 5558PBT

Documents & Resources

Drawings

Drawing 039000061\_sd.pdf  
Packaging Design Drawing 55580001-PK-000.pdf

Specifications

Application Specification 55560001-AS-000.pdf  
Product Specification PS-51010-003-001.pdf  
Product Specification PS-51010-004-001.pdf  
Product Specification 55560002-PS-CH-000.pdf  
Product Specification 55560002-PS-ES-000.pdf  
Product Specification 55560002-PS-SK-000.pdf  
Product Specification 55560008-TS-000.pdf  
Product Specification PS-5556-001-001.pdf  
Product Specification PS-5556-002-001.pdf  
Test Summary 55560000-TS-000.pdf  
Test Summary 55560010-TS-000.pdf  
Test Summary TS-5556-002-001.pdf

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44                                                           |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| 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         | 5558                                                                                                |
| Description    | Mini-Fit Male Crimp Terminal, Tin (Sn) over Phosphor Bronze, Double 22+22 or Single 24-18 AWG, Reel |
| Application    | Power, Wire-to-Wire                                                                                 |
| Product Family | Mini-Fit Family Power Connectors                                                                    |
| Product Name   | Mini-Fit                                                                                            |
| UPC            | 800753584686                                                                                        |

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 9.0A |
| Voltage - Maximum             | 600V |

### Physical

|                                |                 |
|--------------------------------|-----------------|
| Durability (mating cycles max) | 30              |
| Gender                         | Male            |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Net Weight                     | 183.400/mg      |
| Packaging Type                 | Reel            |
| Plating min - Mating           | 0.889µm         |

|                             |                       |
|-----------------------------|-----------------------|
| Plating min - Termination   | 0.914µm               |
| Termination Interface Style | Crimp or Compression  |
| Wire Insulation Diameter    | 1.30-3.10mm           |
| Wire Size (AWG)             | 18, 20, 22, 22+22, 24 |
| Wire Size mm <sup>2</sup>   | N/A                   |

## 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> |
| Mini-Fit Jr. Dual Row Plug Housings | <u>46993</u> |

## Application Tooling

### Global

| Description                                                                                  | Part Number       |
|----------------------------------------------------------------------------------------------|-------------------|
| Extraction Tool for Mini-Fit Jr. Terminals                                                   | <u>11030044</u>   |
| FineAdjust Applicator for Mini-Fit Double Crimp Applications Using Two 22 AWG Wires          | <u>2037026300</u> |
| PremiumGrade Hand Crimp Tool for Mini-Fit Jr. Male and Female Terminals, 18-24 AWG           | <u>638190901</u>  |
| FineAdjust Applicator for 18-20 AWG and 18-24 AWG Wires with Insulation Diameter 1.90-2.30mm | <u>639015600</u>  |
| FineAdjust Applicator for Insulation OD 1.40-1.70mm - 18-24 AWG                              | <u>639023900</u>  |
| FineAdjust Applicator for Insulation OD 2.50-2.95mm Optimized for 18 AWG Only                | <u>639024800</u>  |
| FineAdjust Applicator for Insulation OD 2.30-2.60mm - 18-24 AWG                              | <u>639024900</u>  |
| FineAdjust Applicator for Insulation OD 2.50-2.95mm, 18-24 AWG                               | <u>639047800</u>  |
| FineAdjust Applicator for Insulation OD 1.65-2.05mm, 18-24 AWG                               | <u>639048000</u>  |
| T2 Terminator for Insulation OD 1.90-2.30mm - 18-24 AWG                                      | <u>639115600</u>  |

|                                                                                         |                  |
|-----------------------------------------------------------------------------------------|------------------|
| T2 Terminator for insulation OD<br>1.40-1.70mm - 18-24 AWG                              | <u>639123900</u> |
| T2 Terminator for insulation OD<br>2.50-2.95mm optimized for 18 AWG<br>only             | <u>639124800</u> |
| T2 Terminator for insulation OD<br>2.30-2.60mm - 18-24 AWG                              | <u>639124900</u> |
| T2 Terminator for Mini-Fit Crimp<br>Terminals, 18-24 AWG with Large<br>Insulation ODs   | <u>639147800</u> |
| T2 Terminator for Mini-Fit Crimp<br>Terminals, 18-24 AWG with Smaller<br>Insulation ODs | <u>639148000</u> |

## Application Tooling

### Japan

| Description                                                                              | Part Number      |
|------------------------------------------------------------------------------------------|------------------|
| S-1 Applicator for Mini-Fit Plug and<br>Receptacle Terminals, 18-24 AWG,<br>UL1007 Wires | <u>570223700</u> |
| S-1 Applicator for Mini-Fit Plug and<br>Receptacle Terminals, 18-24 AWG,<br>UL1015 Wires | <u>570223710</u> |

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