



Part Number : [39000059](#)

Series Number : 5556

Product Category : Crimp Terminals

Packaging Alternative : 39000060 (Bag)

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

Status : Active

Engineering Number : 5556PBT

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## Documents & Resources

### Drawings

[Drawing 039000059\\_sd.pdf](#)

[Packaging Design Drawing 55560001-PK-000.pdf](#)

[Packaging Design Drawing SPK-5556-001-001.pdf](#)

[Packaging Design Drawing SPK-5556-001-002.pdf](#)

[Packaging Design Drawing SPK-5556-001-003.pdf](#)

### Specifications

[Application Specification 55560001-AS-000.pdf](#)

[Product Specification PS-51010-003-001.pdf](#)

[Product Specification PS-51010-004-001.pdf](#)

[Product Specification PS-51045-003-001.pdf](#)

[Product Specification PS-52252-001-001.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](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44
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
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### 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	5556
Description	Mini-Fit Female Crimp Terminal, Tin (Sn) over Phosphor Bronze, Double 22+22 or Single 24-18 AWG, Reel
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit
UPC	800753584662

### Electrical

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

### Physical

Durability (mating cycles max)	30
Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin

Net Weight	195.000/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

### Solder Process Data

Lead-Free Process Capability	N/A
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### Use with Part(s)

Description	Part Number
Mini-Fit Jr. Receptacle Housings	<u>5557</u>
Mini-Fit BMI Dual Row Receptacle Housings	<u>44516</u>
Mini-Fit BMI Dual Row Receptacle Housings	<u>42474</u>
Mini-Fit BMI Dual Row Receptacle Housings	<u>43760</u>
Mini-Fit Jr. Dual Row Receptacle Housings	<u>46992</u>

### Application Tooling

#### Global

Description	Part Number
Extraction Tool for Mini-Fit Jr. Terminals	<u>11030044</u>
FineAdjust Applicator for Mini-Fit Crimp Terminals, Double 22+22 AWG	<u>2037026300</u>
PremiumGrade Hand Crimp Tool for Mini-Fit Jr. Male and Female Terminals, 24-18 AWG	<u>638190901</u>
FineAdjust Applicator for 20-18 AWG and 24-18 AWG Wires with Insulation Diameter 1.90-2.30mm	<u>639015600</u>

FineAdjust Applicator for Insulation OD 1.40-1.70mm - 24-18 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 - 24-18 AWG	<u>639024900</u>
FineAdjust Applicator for Insulation OD 2.50-2.95mm, 24-18 AWG	<u>639047800</u>
FineAdjust Applicator for Insulation OD 1.65-2.05mm, 24-18 AWG	<u>639048000</u>
T2 Terminator for Insulation OD 1.90-2.30mm - 24-18 AWG	<u>639115600</u>
T2 Terminator for insulation OD 1.40-1.70mm - 24-18 AWG	<u>639123900</u>
T2 Terminator for insulation OD 2.50-2.95mm optimized for 18 AWG only	<u>639124800</u>
T2 Terminator for insulation OD 2.30-2.60mm - 24-18 AWG	<u>639124900</u>
T2 Terminator for Mini-Fit Crimp Terminals, 24-18 AWG with Large Insulation ODs	<u>639147800</u>
T2 Terminator for Mini-Fit Crimp Terminals, 24-18 AWG with Smaller Insulation ODs	<u>639148000</u>

## Application Tooling

### Japan

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