



Part Number : [39000081](#)

Product Description : Mini-Fit Male Crimp Terminal, Tin (Sn) over Copper Plated Brass, 16, 18+22, 20+20, 20+22 AWG, Reel

Series Number : 5558

Status : Active

Product Category : Crimp Terminals

Engineering Number : 5558T3

Packaging Alternative : 0039000082 (Bag)



Documents & Resources

Drawings

[Drawing_039000081_sd.pdf](#)

[Packaging Design Drawing_55580001-PK-000.pdf](#)

Specifications

[Application Specification_55560001-AS-000.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_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	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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

Part Details

General

Status	Active
Category	Crimp Terminals
Series	5558
Description	Mini-Fit Male Crimp Terminal, Tin (Sn) over Copper Plated Brass, 16, 18+22, 20+20, 20+22 AWG, Reel
Application	Power, Wire-to-Wire
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit
UPC	800753727083

Electrical

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

Physical

Durability (mating cycles max)	30
Gender	Male
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.080/g
Packaging Type	Reel

Plating min - Mating	0.889µm
Plating min - Termination	0.889µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.80-3.10mm
Wire Size (AWG)	16, 18+22, 20+20, 20+22
Wire Size mm ²	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>

Application Tooling

Global

Description	Part Number
Extraction Tool for Mini-Fit Jr. Terminals	<u>0011030044</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>0639039400</u>
FineAdjust Applicator for Insulation OD 2.60-3.15mm, 16 AWG	<u>0639041400</u>
FineAdjust Applicator for Insulation OD 1.80-2.20mm, 16 AWG	<u>0639041500</u>
FineAdjust Crimp Applicator for Mini-Fit Double Crimp Terminals, 20+22, 20+20, and 18+22 AWG, UL 1007 Wires Only	<u>2037022100</u>
FineAdjust Crimp Applicator for Mini-Fit Double Crimp Terminals, 20+22, 20+20, and 18+22 AWG, UL 1061 Wires Only	<u>2037022200</u>

Application Tooling

Japan

Description	Part Number
S-1 Applicator for Mini-Fit Plug and Receptacle Terminals, 16 AWG	<u>0570223730</u>
Hand Extraction Tool	<u>0570316000</u>

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