



Part Number : [39000181](#)

Product Description : Mini-Fit Female Crimp Terminal, Selective Gold (Au) over Phosphor Bronze, 18-24 AWG, Reel

Series Number : 5556

Status : Active

Product Category : Crimp Terminals

Engineering Number : 5556-PBGSP

Packaging Alternative : 0039000182 (Bag)



Documents & Resources

Drawings

[Drawing_039000181_sd.pdf](#)

[Packaging Design Drawing_55560001-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; 34; 33
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	5556
Description	Mini-Fit Female Crimp Terminal, Selective Gold (Au) over Phosphor Bronze, 18-24 AWG, Reel
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit
UPC	800755527933

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	Gold
Material - Plating Termination	Tin
Net Weight	0.190/g
Packaging Type	Reel

Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.30-3.10mm
Wire Size (AWG)	18, 20, 22, 24
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. 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>

Application Tooling

Global

Description	Part Number
Extraction Tool for Mini-Fit Jr. Terminals	<u>0011030044</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>0638190901</u>
FineAdjust Applicator for 18-20 AWG and 18-24 AWG Wires with Insulation Diameter 1.90-2.30mm	<u>0639015600</u>
FineAdjust Applicator for Insulation OD 1.40-1.70mm - 18-24 AWG	<u>0639023900</u>
FineAdjust Applicator for Insulation OD 2.50-2.95mm Optimized for 18 AWG Only	<u>0639024800</u>

FineAdjust Applicator for Insulation OD 2.30-2.60mm - 18-24 AWG	<u>0639024900</u>
FineAdjust Applicator for Insulation OD 2.50-2.95mm, 18-24 AWG	<u>0639047800</u>
FineAdjust Applicator for Insulation OD 1.65-2.05mm, 18-24 AWG	<u>0639048000</u>
T2 Terminator for Insulation OD 1.90-2.30mm - 18-24 AWG	<u>0639115600</u>
T2 Terminator for insulation OD 1.40-1.70mm - 18-24 AWG	<u>0639123900</u>
T2 Terminator for insulation OD 2.50-2.95mm optimized for 18 AWG only	<u>0639124800</u>
T2 Terminator for insulation OD 2.30-2.60mm - 18-24 AWG	<u>0639124900</u>
T2 Terminator for Mini-Fit Crimp Terminals, 18-24 AWG with Large Insulation ODs	<u>0639147800</u>
T2 Terminator for Mini-Fit Crimp Terminals, 18-24 AWG with Smaller Insulation ODs	<u>0639148000</u>