

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0039000081](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** [Mini-Fit Male Crimp Terminal, Tin \(Sn\) over Copper Plated Brass, 16 AWG, Reel](#)

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification 55580001-PK-000 (PDF)</a>
<a href="#">Product Specification 55560008-TS-000 (PDF)</a>	<a href="#">Test Summary 55560010-TS-000 (PDF)</a>
<a href="#">Product Specification PS-5556-001-001 (PDF)</a>	<a href="#">Test Summary TS-5556-002-001 (PDF)</a>
<a href="#">Product Specification PS-5556-002-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Application Specification 55560001-AS-000 (PDF)</a>	



**General**

Product Family	Crimp Terminals
Series	<a href="#">5558</a>
Application	Power, Wire-to-Wire
Crimp Quality Equipment	Yes
Overview	<a href="#">Mini-Fit Family Power Connectors</a>
Packaging Alternative	<a href="#">39000082</a> (Loose)
Product Name	Mini-Fit
UPC	800753727083

**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
Wire Size mm <sup>2</sup>	N/A

**Electrical**

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

**Solder Process Data**

Lead-free Process Capability	N/A
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**Material Info**

Engineering Number	5558T3
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**Reference - Drawing Numbers**

Application Specification	<a href="#">55560001-AS-000</a>
Packaging Specification	<a href="#">55580001-PK-000</a>
Product Specification	<a href="#">55560008-TS-000</a> , <a href="#">PS-5556-001-001</a> , <a href="#">PS-5556-002-001</a>
Sales Drawing	<a href="#">SD-5558XXXX</a> , <a href="#">SD-5558XXXX-002</a>
Test Summary	<a href="#">55560010-TS-000</a> , <a href="#">TS-5556-002-001</a>

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
January 20

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

Not Contained

**Search Parts in this Series**

[5558](#) Series

**Use With**

Mini-Fit Jr. Plug Housing [5559](#) <br>Mini-Fit  
BMI Plug Housing [42475](#)

**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 for Mini-Fit Jr. Terminals	<a href="#">11030044</a>
Hand Crimp Tool for Mini-Fit Jr. Male and Female Crimp Terminals, 16 AWG	<a href="#">2002182200</a>
FineAdjust Applicator for Mini-Fit Double Crimp Applications Using Two 20 & 22	<a href="#">2037026200</a>

AWG, 20 & 20 AWG,  
or 18 & 22 AWG  
Wires

FineAdjust Applicator 639039400  
for Insulation OD  
2.20-2.45mm,  
Optimized for 16  
AWG Only

FineAdjust Applicator 639041400  
for Mini-Fit Jr., Mini-  
Fit HCS, and Mini-  
Fit Plus HCS Crimp  
Terminals, 16 AWG  
with Large Insulation  
Diameters

FineAdjust 639041500  
Applicator for Mini-  
Fit Crimp Terminals,  
1.80-2.20mm  
Insulation Diameter  
Wire, 16 AWG,  
1.31mm<sup>2</sup>

**Japan**

<b>Description</b>	<b>Product #</b>
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S-1 Applicator for Mini-Fit Plug and Receptacle Terminals, 16 AWG Hand Extraction Tool	<u>570223730</u>    <u>570316000</u>
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[39-00-0081](#) [39-00-0081 \(Mouser Reel\)](#) [39-00-0081 \(Cut Strip\)](#)