

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

**Part Number:** [0039000038](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Jr. Power Connectors  
**Description:** Mini-Fit Female Crimp Terminal, Tin (Sn) over Copper (Cu) Plated Brass, 18-24 AWG, Reel

**Documents:**

|   |   |
|---|---|
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Packaging Specification 55560001-PK-000 (PDF)</a> |
| <a href="#">Product Specification 55560008-TS-000 (PDF)</a>     | <a href="#">Test Summary 55560000-TS-000 (PDF)</a>            |
| <a href="#">Product Specification PS-5556-001-001 (PDF)</a>     | <a href="#">Test Summary 55560010-TS-000 (PDF)</a>            |
| <a href="#">Product Specification PS-5556-002-001 (PDF)</a>     | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>            |
| <a href="#">Application Specification 55560001-AS-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |

**General**

|                         |   |
|-------------------------|---|
| Product Family          | Crimp Terminals                               |
| Series                  | <a href="#">5556</a>                          |
| Application             | Power, Wire-to-Board, Wire-to-Wire            |
| Crimp Quality Equipment | Yes   |
| Overview                | <a href="#">Mini-Fit Jr. Power Connectors</a> |
| Packaging Alternative   | <a href="#">39000039</a> (Loose)              |
| Product Name            | Mini-Fit                                      |
| UPC                     | 800753585010                                  |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Female               |
| Material - Metal               | Brass                |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.182/g              |
| Packaging Type                 | Reel                 |
| Plating min - Mating           | 0.889µm              |
| Plating min - Termination      | 0.889µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.30-3.10mm          |
| Wire Size AWG                  | 18, 20, 22, 24       |
| Wire Size mm <sup>2</sup>      | N/A                  |

**Electrical**

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

**Solder Process Data**

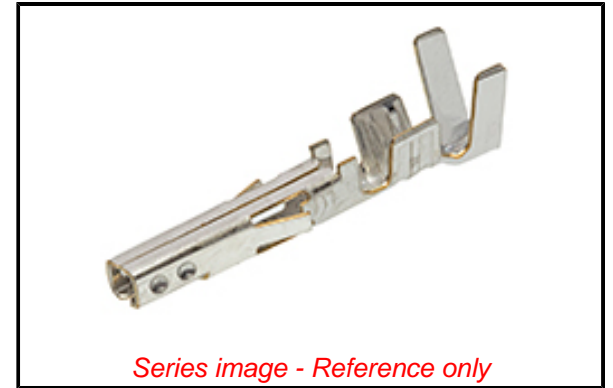
|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

|                    |       |
|--------------------|-------|
| Engineering Number | 5556T |
|--------------------|-------|

**Reference - Drawing Numbers**

|                           |   |
|---------------------------|---|
| Application Specification | 55560001-AS-000                                   |
| Packaging Specification   | 55560001-PK-000                                   |
| Product Specification     | 55560008-TS-000, PS-5556-001-001, PS-5556-002-001 |
| Sales Drawing             | 55560000-SD-000                                   |
| Test Summary              | 55560000-TS-000, 55560010-TS-000, TS-5556-002-001 |



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**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**

[5556](#) Series

**Use With**

Mini-Fit Jr. Receptacle Housing [5557](#)  
<br>Mini-Fit BMI Slide and Lock Panel  
Mount [44516](#) <br>Mini-Fit BMI Panel Mount  
Receptacle Housing<br> [42474](#) , [43760](#)

**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   | <a href="#">11030044</a>   |
| FineAdjust Applicator<br>for Mini-Fit Double<br>Crimp Applications<br>Using Two 22 AWG<br>Wires | <a href="#">2037026300</a> |
| Hand Crimp Tool<br>for Mini-Fit Jr. Male  | <a href="#">638190901</a>  |

and Female Crimp  
 Terminals, 18-24  
 AWG  
 FineAdjust Applicator 639015600  
 for Insulation OD  
 1.90-2.30mm - 18-24  
 AWG  
 FineAdjust Applicator 639023900  
 for Insulation OD  
 1.40-1.70mm - 18-24  
 AWG  
 FineAdjust Applicator 639024800  
 for Insulation OD  
 2.50-2.95mm  
 Optimized for 18  
 AWG Only  
 FineAdjust Applicator 639024900  
 for Insulation OD  
 2.30-2.60mm - 18-24  
 AWG  
 FineAdjust Applicator 639047800  
 for Insulation OD  
 2.50-2.95mm, 18-24  
 AWG  
 FineAdjust Applicator 639048000  
 for Insulation OD  
 1.65-2.05mm, 18-24  
 AWG  
 T2 Terminator 639115600  
 for insulation OD  
 1.90-2.30mm - 18-24  
 AWG  
 T2 Terminator 639123900  
 for insulation OD  
 1.40-1.70mm - 18-24  
 AWG  
 T2 Terminator 639124800  
 for insulation OD  
 2.50-2.95mm  
 optimized for 18  
 AWG only  
 T2 Terminator 639124900  
 for insulation OD  
 2.30-2.60mm - 18-24  
 AWG  
 T2 Terminator 639147800  
 for Mini-Fit Crimp  
 Terminals, 18-24  
 AWG with Large  
 Insulation ODs  
 T2 Terminator 639148000  
 for Mini-Fit Crimp  
 Terminals, 18-24  
 AWG with Smaller  
 Insulation ODs

**Japan**

| <b>Description</b>  | <b>Product #</b> |
|---|------------------|
| Applicator for M211A Bench Press, 18-24<br>AWG Wire                                   | <u>570223000</u> |
| S-1 Applicator for Mini-Fit Plug and Receptacle Terminals, 18-24<br>AWG, UL1007 Wires | <u>570223700</u> |

S-1 Applicator 570223710  
for Mini-Fit Plug  
and Receptacle  
Terminals, 18-24  
AWG, UL1015 Wires  
Hand Extraction Tool 570316000

This document was generated on 07/10/2020

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