

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

**Part Number:** **0039000059**  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit Female Crimp Terminal, Tin (Sn) over Phosphor Bronze, 18-24, 22 +22 AWG, Reel

**Documents:**

|  |   |
|--|---|
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Product Specification PS-5556-002-001 (PDF)</a>     |
| <a href="#">Product Specification 55560002-PS-CH-000 (PDF)</a> | <a href="#">Application Specification 55560001-AS-000 (PDF)</a> |
| <a href="#">Product Specification 55560002-PS-ES-000 (PDF)</a> | <a href="#">Packaging Specification 55560001-PK-000 (PDF)</a>   |
| <a href="#">Product Specification 55560002-PS-SK-000 (PDF)</a> | <a href="#">Packaging Specification SPK-5556-001-001 (PDF)</a>  |
| <a href="#">Product Specification 55560008-TS-000 (PDF)</a>    | <a href="#">Packaging Specification SPK-5556-001-002 (PDF)</a>  |
| <a href="#">Product Specification PS-51010-003-001 (PDF)</a>   | <a href="#">Packaging Specification SPK-5556-001-003 (PDF)</a>  |
| <a href="#">Product Specification PS-51010-004-001 (PDF)</a>   | <a href="#">Test Summary 55560000-TS-000 (PDF)</a>              |
| <a href="#">Product Specification PS-51045-003-001 (PDF)</a>   | <a href="#">Test Summary 55560010-TS-000 (PDF)</a>              |
| <a href="#">Product Specification PS-52252-001-001 (PDF)</a>   | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>              |
| <a href="#">Product Specification PS-5556-001-001 (PDF)</a>    | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**General**

|                         |                                    |
|-------------------------|------------------------------------|
| Product Family          | Crimp Terminals                    |
| Series                  | 5556                               |
| Application             | Power, Wire-to-Board, Wire-to-Wire |
| Crimp Quality Equipment | Yes                                |
| Overview                | Mini-Fit Family Power Connectors   |
| Packaging Alternative   | 39000060 (Loose)                   |
| Product Name            | Mini-Fit                           |
| UPC                     | 800753584662                       |

**Physical**

|                                |                       |
|--------------------------------|-----------------------|
| Durability (mating cycles max) | 30                    |
| Gender                         | Female                |
| Material - Metal               | Phosphor Bronze       |
| Material - Plating Mating      | Tin                   |
| Material - Plating Termination | Tin                   |
| Net Weight                     | 0.127/g               |
| 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                   |

**Electrical**

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

**Solder Process Data**

|                              |     |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

**Material Info**

|                    |         |
|--------------------|---------|
| Engineering Number | 5556PBT |
|--------------------|---------|

**Reference - Drawing Numbers**

|                           |   |
|---------------------------|---|
| Application Specification | 55560001-AS-000   |
| Packaging Specification   | 55560001-PK-000, SPK-5556-001-001, SPK-5556-001-002, SPK-5556-001-003 |



Series image - Reference only

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

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

Product Specification

Sales Drawing  
Test Summary

55560002-PS-CH-000, 55560002-PS-ES-000,  
55560002-PS-SK-000, 55560008-TS-000,  
PS-51010-003-001, PS-51010-004-001,  
PS-51045-003-001, PS-52252-001-001,  
PS-5556-001-001, PS-5556-002-001  
55560000-SD-000  
55560000-TS-000, 55560010-TS-000,  
TS-5556-002-001

PremiumGrade Hand638190901  
Crimp Tool for Mini-  
Fit Jr. Male and  
Female Terminals,  
18-24 AWG

FineAdjust 639015600

Applicator for 18-20  
AWG and 18-24

AWG Wires with  
Insulation Diameter

1.90-2.30mm

FineAdjust Applicator639023900

for Insulation OD

1.40-1.70mm - 18-24

AWG

FineAdjust Applicator639024800

for Insulation OD

2.50-2.95mm

Optimized for 18

AWG Only

FineAdjust Applicator639024900

for Insulation OD

2.30-2.60mm - 18-24

AWG

FineAdjust Applicator639047800

for Insulation OD

2.50-2.95mm, 18-24

AWG

FineAdjust Applicator639048000

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**

**Description**

**Product #**

Applicator for M211A 570223000

Bench Press, 18-24

AWG Wire

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

This document was generated on 11/09/2021

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[39-00-0059 \(Mouser Reel\)](#) [39-00-0059 \(Cut Strip\)](#)