

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

**Part Number:** **0039000430**  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit Male Crimp Terminal, Brass, Gold (Au) Contact Plating, Lead-free, 18-24 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 55580001-PK-000 (PDF)</a>   |
| <a href="#">Product Specification 55560002-PS-SK-000 (PDF)</a> | <a href="#">Test Summary 55560010-TS-000 (PDF)</a>              |
| <a href="#">Product Specification 55560008-TS-000 (PDF)</a>    | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>              |
| <a href="#">Product Specification PS-51010-007-001 (PDF)</a>   | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-5556-001-001 (PDF)</a>    |                                                                 |

**General**

|                         |                                  |
|-------------------------|----------------------------------|
| Product Family          | Crimp Terminals                  |
| Series                  | 5558                             |
| Application             | Power, Wire-to-Wire              |
| Crimp Quality Equipment | Yes                              |
| Overview                | Mini-Fit Family Power Connectors |
| Packaging Alternative   | 39000431 (Loose)                 |
| Product Name            | Mini-Fit                         |
| UPC                     | 822348149384                     |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Male                 |
| Material - Metal               | Brass                |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.160/g              |
| Packaging Type                 | Reel                 |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.30-3.10mm          |
| Wire Size AWG                  | 18, 20, 22, 24       |
| Wire Size mm²                  | N/A                  |

**Electrical**

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

**Solder Process Data**

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

**Material Info**

|                    |           |
|--------------------|-----------|
| Engineering Number | 5558-GS7F |
|--------------------|-----------|

**Reference - Drawing Numbers**

|                           |                                                                                                                                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Application Specification | 55560001-AS-000                                                                                                                 |
| Packaging Specification   | 55580001-PK-000                                                                                                                 |
| Product Specification     | 55560002-PS-CH-000, 55560002-PS-ES-000, 55560002-PS-SK-000, 55560008-TS-000, PS-51010-007-001, PS-5556-001-001, PS-5556-002-001 |
| Sales Drawing             | SD-5558-002-001                                                                                                                 |
| Test Summary              | 55560010-TS-000, TS-5556-002-001                                                                                                |



Series image - Reference only

**EU ELV**

**Not Relevant**

**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**

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | 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>   |
| FineAdjust Applicator for Mini-Fit Double Crimp Applications Using Two 22 AWG Wires | <a href="#">2037026300</a> |
| PremiumGrade Hand Crimp Tool for Mini-Fit Jr. Male and                              | <a href="#">638190901</a>  |

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