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**Part Number:** [39-00-0083](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr.™ Power Connectors](#)  
**Description:** Mini-Fit® Male Crimp Terminal, Tin (Sn) over Phosphor Bronze, 16 AWG, Reel

**Documents:**

|                                                           |                                                      |
|-----------------------------------------------------------|------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                             | <a href="#">Test Summary TS-5556-002 (PDF)</a>       |
| <a href="#">Product Specification PS-5556-002 (PDF)</a>   | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Packaging Specification PK-5558-001 (PDF)</a> |                                                      |

**General**

|                         |                                                |
|-------------------------|------------------------------------------------|
| Product Family          | Crimp Terminals                                |
| Series                  | 5558                                           |
| Application             | Power                                          |
| Crimp Quality Equipment | Yes                                            |
| Overview                | <a href="#">Mini-Fit Jr.™ Power Connectors</a> |
| Packaging Alternative   | <a href="#">39-00-0084 (Loose)</a>             |
| Product Name            | Mini-Fit®                                      |
| UPC                     | 800753694415                                   |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Male                 |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 0.120/g              |
| Packaging Type                 | Reel                 |
| Plating min - Mating           | 0.889µm              |
| Plating min - Termination      | 0.914µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.80-3.10mm          |
| Wire Size AWG                  | 16                   |
| Wire Size mm²                  | N/A                  |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 9A   |
| Voltage - Maximum             | 600V |

**Material Info**

|                 |          |
|-----------------|----------|
| Old Part Number | 5558PBT3 |
|-----------------|----------|

**Reference - Drawing Numbers**

|                         |             |
|-------------------------|-------------|
| Packaging Specification | PK-5558-001 |
| Product Specification   | PS-5556-002 |
| Sales Drawing           | SD-5558**** |
| Test Summary            | TS-5556-002 |



image - Reference only

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC Contains SVHC: No Low-Halogen Status Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[5558Series](#)

**Mates With**

[5556 Mini-Fit® Crimp Terminal](#)

**Use With**

[5559 Mini-Fit Jr.™ Plug Housing](#)

**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 #                  |
|---------------------------------------------------------------------|----------------------------|
| Hand Crimp Tool for Male and Female Crimp Terminals, 16-24 AWG Wire | <a href="#">0638190900</a> |
| T2 Terminator™ for insulation OD 2.60-3.15mm                        | <a href="#">0639102800</a> |

|                                                                                               |                   |
|-----------------------------------------------------------------------------------------------|-------------------|
| optimized for 16<br>AWG only<br>FineAdjust™<br>Applicator for<br>Insulation OD<br>2.60-3.15mm | <u>0639002800</u> |
| Optimized for 16<br>AWG Only<br>FineAdjust™<br>Applicator for<br>Insulation OD<br>2.20-2.45mm | <u>0639003000</u> |
| Optimized for 16<br>AWG Only<br>T2 Terminator™<br>for insulation OD<br>2.20-2.45mm            | <u>0639103000</u> |
| optimized for 16<br>AWG only<br>FineAdjust™<br>Applicator for<br>Insulation OD<br>1.80-2.20mm | <u>0639015300</u> |
| Optimized for 16<br>AWG Only<br>Extraction Tool                                               | <u>0011030044</u> |

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