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**Part Number:** **39-00-0038**  
**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="#">Product Specification PS-52034-003 (PDF)</a>  |
| <a href="#">Product Specification PS-51010-005 (PDF)</a> | <a href="#">Product Specification PS-52034-004 (PDF)</a>  |
| <a href="#">Product Specification PS-51010-006 (PDF)</a> | <a href="#">Product Specification PS-5556-001 (PDF)</a>   |
| <a href="#">Product Specification PS-51045-001 (PDF)</a> | <a href="#">Product Specification PS-5556-002 (PDF)</a>   |
| <a href="#">Product Specification PS-51045-002 (PDF)</a> | <a href="#">Packaging Specification PK-5556-001 (PDF)</a> |
| <a href="#">Product Specification PS-51045-004 (PDF)</a> | <a href="#">Test Summary TS-5556-002 (PDF)</a>            |
| <a href="#">Product Specification PS-51096-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>      |

**General**

|                         |                                       |
|-------------------------|---------------------------------------|
| Product Family          | Crimp Terminals                       |
| Series                  | 5556                                  |
| Application             | Power                                 |
| Crimp Quality Equipment | Yes                                   |
| Overview                | <u>Mini-Fit Jr.™ Power Connectors</u> |
| Packaging Alternative   | <u>39-00-0039 (Loose)</u>             |
| 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                     | 0.130/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 mm²                  | N/A                  |

**Electrical**

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

**Material Info**

|                 |       |
|-----------------|-------|
| Old Part Number | 5556T |
|-----------------|-------|

**Reference - Drawing Numbers**

|                         |  |
|-------------------------|--|
| Packaging Specification | PK-5556-001  |
| Product Specification   | PS-51010-005, PS-51010-006, PS-51045-001, PS-51045-002, PS-51045-004, PS-51096-001, PS-52034-003, PS-52034-004, PS-5556-001, PS-5556-002, RPS-30067-001, RPS-30067-002, RPS-42474-001, RPS-51045-001, RPS-5557-008, RPS-5557-024, RPS-5557-031, RPS-5557-036, RPS-5557-037, RPS-5557-045, RPS-5557-046, RPS-5566-002 |

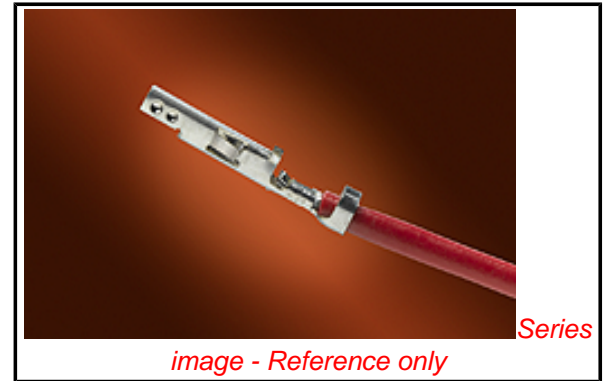


image - Reference only

**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**

[5556Series](#)

**Mates With**

[5558](#) Mini-Fit® Crimp Male Terminals. Mini-Fit Jr.™ Header, Dual Row, [5566](#) , [5569](#)

**Use With**

[5557](#) Mini-Fit Jr.™ Receptacle Housing, [30067](#) Mini-Fit® TPA, [42474](#) Mini-Fit® BMI Panel Mount, [5559](#) Mini-Fit Jr.™ Plug Housing, Dual Row

**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 #                  |
|--|----------------------------|
| FineAdjust™ Applicator for Insulation OD | <a href="#">0639002600</a> |

|  |                   |
|--|-------------------|
| 2.50-2.95mm - 18-24<br>AWG<br>FineAdjust™<br>Applicator for<br>Insulation OD                               | <u>0639002900</u> |
| 1.65-2.05mm - 18-24<br>AWG<br>FineAdjust™<br>Applicator for<br>Insulation OD                               | <u>0639015600</u> |
| 1.90-2.30mm - 18-24<br>AWG<br>FineAdjust™<br>Applicator for<br>Insulation OD                               | <u>0639023900</u> |
| 1.40-1.70mm - 18-24<br>AWG<br>FineAdjust™<br>Applicator for<br>Insulation OD                               | <u>0639024800</u> |
| 2.50-2.95mm<br>Optimized for 18<br>AWG Only<br>FineAdjust™<br>Applicator for<br>Insulation OD              | <u>0639024900</u> |
| 2.30-2.60mm - 18-24<br>AWG<br>Hand Crimp Tool for<br>Male and Female<br>Crimp Terminals,<br>16-24 AWG Wire | <u>0638190900</u> |
| T2 Terminator™ for<br>insulation OD 1.65<br>– 2.05mm – 18 – 24<br>AWG                                      | <u>0639102900</u> |
| T2 Terminator™<br>for insulation OD<br>1.90-2.30mm - 18-24<br>AWG  | <u>0639115600</u> |
| T2 Terminator™<br>for insulation OD<br>1.40-1.70mm - 18-24<br>AWG  | <u>0639123900</u> |
| T2 Terminator™<br>for insulation OD<br>2.30-2.60mm - 18-24<br>AWG  | <u>0639124900</u> |
| T2 Terminator™<br>for insulation OD<br>2.50-2.95mm - 18-24<br>AWG  | <u>0639102600</u> |
| T2 Terminator™<br>for insulation OD<br>2.50-2.95mm<br>optimized for 18<br>AWG only                         | <u>0639124800</u> |
| Extraction Tool  | <u>0011030044</u> |
| <b>Japan</b>   |                   |
| <b>Description</b>   | <b>Product #</b>  |
| Applicator for M211A<br>Bench Press, 18-24<br>AWG Wire   | <u>0570223000</u> |

Side-Feed Applicator 0570223200  
For Full-Auto  
Machine  
Hand Extraction Tool 0570316000

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