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Part Number:

39-00-0181

Status:

Active

Overview:

Mini-Fit Jr.™ Power Connectors

Description:

Mini-Fit® Female Crimp Terminal, Selective Gold (Au) over Phosphor Bronze, 18-24 AWG, Reel



Series

image - Reference only

Documents:

- [Drawing \(PDF\)](#)
- [Product Specification PS-5556-001 \(PDF\)](#)
- [Product Specification PS-5556-002 \(PDF\)](#)
- [Packaging Specification PK-5556-001 \(PDF\)](#)
- [Test Summary TS-5556-002 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

|                         |                                |
|-------------------------|--------------------------------|
| Product Family          | Crimp Terminals                |
| Series                  | 5556                           |
| Application             | Power                          |
| Crimp Quality Equipment | Yes                            |
| Overview                | Mini-Fit Jr.™ Power Connectors |
| Packaging Alternative   | 39-00-0182 (Loose)             |
| Product Name            | Mini-Fit®                      |
| UPC                     | 800755527933                   |

Physical

|                                |                      |
|--------------------------------|----------------------|
| Durability (mating cycles max) | 30                   |
| Gender                         | Female               |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Gold                 |
| Material - Plating Termination | Nickel               |
| Net Weight                     | 0.130/g              |
| Packaging Type                 | Reel                 |
| Plating min - Mating           | 0.762µm              |
| Plating min - Termination      | 0.762µm              |
| 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 | 5556-PBGSP |
|-----------------|------------|

Reference - Drawing Numbers

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

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, 44516 Mini-Fit® BMI Slide and Lock Panel Mount

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™<br>Applicator for<br>Insulation OD | 0639023900 |

|  |                                                                                                                                                                                                                                       |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1.40-1.70mm - 18-24<br>AWG<br>Extraction Tool <u>0011030044</u><br>Hand Crimp Tool for <u>0638190900</u><br>Male and Female<br>Crimp Terminals,<br>16-24 AWG Wire<br>FineAdjust™ <u>0639002600</u><br>Applicator for<br>Insulation OD |
|  | 2.50-2.95mm - 18-24<br>AWG<br>FineAdjust™ <u>0639002900</u><br>Applicator for<br>Insulation OD                                                                                                                                        |
|  | 1.65-2.05mm - 18-24<br>AWG<br>FineAdjust™ <u>0639015600</u><br>Applicator for<br>Insulation OD                                                                                                                                        |
|  | 1.90-2.30mm - 18-24<br>AWG<br>FineAdjust™ <u>0639024800</u><br>Applicator for<br>Insulation OD                                                                                                                                        |
|  | 2.50-2.95mm<br>Optimized for 18<br>AWG Only<br>FineAdjust™ <u>0639024900</u><br>Applicator for<br>Insulation OD                                                                                                                       |
|  | 2.30-2.60mm - 18-24<br>AWG<br>T2 Terminator™ <u>0639102600</u><br>for insulation OD                                                                                                                                                   |
|  | 2.50-2.95mm - 18-24<br>AWG<br>T2 Terminator™ for <u>0639102900</u><br>insulation OD 1.65<br>– 2.05mm – 18 – 24                                                                                                                        |
|  | AWG<br>T2 Terminator™ <u>0639115600</u><br>for insulation OD                                                                                                                                                                          |
|  | 1.90-2.30mm - 18-24<br>AWG<br>T2 Terminator™ <u>0639123900</u><br>for insulation OD                                                                                                                                                   |
|  | 1.40-1.70mm - 18-24<br>AWG<br>T2 Terminator™ <u>0639124800</u><br>for insulation OD                                                                                                                                                   |
|  | 2.50-2.95mm<br>optimized for 18<br>AWG only<br>T2 Terminator™ <u>0639124900</u><br>for insulation OD                                                                                                                                  |
|  | 2.30-2.60mm - 18-24<br>AWG                                                                                                                                                                                                            |
|  | <b>Japan</b>                                                                                                                                                                                                                          |
|  | <b>Description</b> <b>Product #</b>                                                                                                                                                                                                   |
|  | Applicator for M211A <u>0570223000</u><br>Bench Press, 18-24<br>AWG Wire                                                                                                                                                              |

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