molex



**Part Number :** 39000090
**Product Description :** Mini-Fit Female Crimp Terminal, Gold (Au) over Brass, 16 AWG, Bag
**Series Number :** 5556
**Status :** Active
**Product Category :** Crimp Terminals
**Engineering Part Number :** 5556GS3L
**Packaging Alternative :** 39000089 (Reel)

## Documents and Resources

### Drawings

039000090_sd.pdf

PK-5556-003-001.pdf

STEP AP242

SOLIDWORKS

Creo

### Specifications

55560001-AS-000.pdf

55560002-AS-000.pdf

AS-58696-004-001.pdf

55560002-PS-CH-000.pdf

55560002-PS-ES-000.pdf

55560002-PS-SK-000.pdf

PS-5556-001-001.pdf

PS-5556-002-001.pdf

PS-58691-004-001.pdf

55560001-TS-000.pdf

55560010-TS-000.pdf

TS-5556-002-001.pdf

## Product Environment Compliance

### Compliance

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| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | Crimp Terminals |
| Series | 5556 |
| Description | Mini-Fit Female Crimp Terminal, Gold (Au) over Brass, 16 AWG, Bag |
| Application | Wire-to-Board, Wire-to-Wire |
| Product Name | Mini-Fit |
| UPC | 800754394956 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 9.0A |

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| | |
|---|---|
| Voltage - Maximum | 600V |

### Physical

| | |
|---|---|
| Durability (mating cycles max) | 30 |
| Gender | Female |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Packaging Type | Bag |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 0.762µm |
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter | 1.80-3.10mm |
| Wire Size (AWG) | 16 |
| Wire Size $mm^2$ | N/A |

## Mates With / Use With

### Use with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit Jr. Receptacle Housings | 5557 |
| Mini-Fit BMI Dual Row Receptacle Housings | 44516 |
| Mini-Fit BMI Dual Row Receptacle Housings | 42474 |
| Mini-Fit BMI Dual Row Receptacle Housings | 43760 |
| Mini-Fit Jr. Dual Row Receptacle Housings | 46992 |

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## Application Tooling

## Global

| Description | Part Number |
|---|---|
| Extraction Tool for Mini-Fit Jr. | 11030044 |

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| Terminals | |
|---|---|
| Hand Crimp Tool for Mini-Fit Jr. Male and Female Crimp Terminals, 16 AWG | 2002182200 |

## Japan

| Description | Part Number |
|---|---|
| Hand Crimp Tool | 570225300 |
| Straight-Action Hand Crimp Tool | 570225400 |



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