molex

**Part Number :** 2039510001
**Product Description :** Micro-Fit High-Current RMF Crimp Terminal, Female, 2.540µm Bright Tin Plating, 18 AWG
**Series Number :** 203951
**Status :** Active
**Product Category :** Crimp Terminals

## Documents and Resources

### Drawings

2039510001_sd.pdf

2039510000-PK-000.pdf

STEP AP242

SOLIDWORKS

Creo

### Specifications

2039510000-PS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)6375-DC (05 Nov 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

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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 | 203951 |
| Description | Micro-Fit High-Current RMF Crimp Terminal, Female, 2.540µm Bright Tin Plating, 18 AWG |
| Application | Power, Wire-to-Board, Wire-to-Wire |
| Product Name | Micro-Fit RMF |
| UPC | 191128235914 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 10.5A |
| Voltage - Maximum | 600V |

### Physical

| | |
|---|---|
| Durability (mating cycles max) | 25 |
| Gender | Female |
| Material - Metal | HSM Copper |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Net Weight | 0.071/g |
| Packaging Type | Reel |
| Plating min - Mating | 2.540µm |

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| | |
|---|---|
| Plating min - Termination | 2.540µm |
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter | 1.85mm max. |
| Wire Size (AWG) | 18 |
| Wire Size $mm^2$ | N/A |

## Mates With / Use With

### Use with Part(s)

| Description | Part Number |
|---|---|
| Micro-Fit 3.0 Dual Row Receptacle Housings | 43025 |
| Micro-Fit 3.0 Single Row Receptacle Housings | 43645 |
| Micro-Fit BMI Dual Row Receptacle Housings | 44133 |
| Micro-Fit BMI Single Row Receptacle Housings | 46623 |

## Application Tooling

## Global

| Description | Part Number |
|---|---|
| Extraction Tool for Micro-Fit Terminals | 11030043 |
| Hand Crimp Tool for Micro-Fit 3.0 Female Crimp Terminals, 0.75$mm^2$ and 18AWG (UL1061) wires | 638280200 |
| FineAdjust Applicator for Micro-Fit 3.0 and Micro-Fit Plus Terminals, for 0.75$mm^2$ and 18 AWG (UL1061) Wires with Insulation Diameter 1.40-1.85mm | 639025800 |



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