molex

**Part Number :** 462355001
**Product Description :** Micro-Fit RMF High Mating Cycle, Reduced Mating Force, Crimp Terminal, Female, with 0.38µm Selective Gold (Au) over Nickel (Ni), 24-20 AWG, with Lubricant
**Series Number :** 46235
**Status :** Active
**Product Category :** Crimp Terminals

## Documents & Resources

### Drawings

462355001_sd.pdf

PK-46235-001-001.pdf

STEP AP242

SOLIDWORKS

Creo

### Specifications

PS-46235-001-001.pdf

TS-46235-001-001.pdf

TS-46235-501-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 44; 34; 33 |
| 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)4165-DC (25 June 2025) |
| 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 | 46235 |
| Description | Micro-Fit RMF High Mating Cycle, Reduced Mating Force, Crimp Terminal, Female, with 0.38µm Selective Gold (Au) over Nickel (Ni), 24-20 AWG, with Lubricant |
| Application | Power, Wire-to-Board, Wire-to-Wire |
| Comments | 90% increase in mating cycles (250 cycles) and up to 50% reduction in mating force |
| Product Name | Micro-Fit RMF |
| UPC | 883906382377 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 5.0A |

### Physical

| | |
|---|---|
| Durability (mating cycles max) | 250 |
| Gender | Female |

| | |
|---|---|
| Material - Metal | Copper Alloy |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Net Weight | 0.046/g |
| Packaging Type | Reel |
| Plating min - Mating | 0.381µm |
| Plating min - Termination | 2.540µm |
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter | 1.85mm max. |
| Wire Size (AWG) | 20, 22, 24 |
| 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 TPA Receptacle Housings | 172952 |

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## Application Tooling

## Global

| Description | Part Number |
|---|---|
| Extraction Tool for Micro-Fit Terminals | 11030043 |
| PremiumGrade Hand Crimp Tool for Low Force Micro-Fit 3.0 Terminals, 30-20 AWG | 638192900 |
| FineAdjust Applicator for Low-Force Micro-Fit 3.0 Terminals, for 24-20 AWG Wire with Insulation Diameter | 639046500 |

| | |
|---|---|
| 1.30-1.85mm | |
| T2 Terminator Tooling to be used with Low Force Crimp Terminals, 24-20 AWG Wire | 639101400 |