molex



**Part Number :** 460183541
**Product Description :** Mini-Fit Plus High Mating Cycle Female Crimp Terminal, 16 AWG, Reel, Select Gold (Au) Plating with Proprietary Molex Advanced Contact Surface  Finish (CSF) in Contact Area
**Series Number :** 46018
**Status :** Active
**Product Category :** Crimp Terminals

## Documents and Resources

### Drawings

460183541_sd.pdf

PK-46018-001-001.pdf

STEP AP242

SOLIDWORKS

Creo

### Specifications

55560002-AS-000.pdf

PS-46018-004-001.pdf

TS-46018-001-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| 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 | 46018 |
| Description | Mini-Fit Plus High Mating Cycle Female Crimp Terminal, 16 AWG, Reel, Select Gold (Au) Plating with Proprietary Molex Advanced Contact Surface Finish (CSF) in Contact Area |
| Application | Wire-to-Board, Wire-to-Wire |
| Comments | High Mating Cycles |
| Product Name | Mini-Fit Plus |
| UPC | 822350560498 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum | 600V |

### Physical

| | |
|---|---|
| Durability (mating cycles max) | 1500 |
| Gender | Female |
| Material - Metal | Copper Alloy |

| | |
|---|---|
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Net Weight | 0.150/g |
| Packaging Type | Reel |
| Plating min - Mating | 0.051µm |
| Plating min - Termination | 2.540µm |
| Termination Interface Style | Crimp or Compression |
| Wire Insulation Diameter | 1.80-3.10mm |
| Wire Size (AWG) | 16 |
| Wire Size $mm^2$ | N/A |

**Solder Process Data**

| | |
|---|---|
| Lead-Free Process Capability | N/A |

## Mates With / Use With

**Use with Part(s)**

| Description | Part Number |
|---|---|
| Mini-Fit Jr. Receptacle Housings | 5557 |
| Mini-Fit TPA Dual Row Receptacle Housings | 30067 |
| Mini-Fit BMI Dual Row Receptacle Housings | 42474 |
| Mini-Fit BMI Dual Row Receptacle Housings | 44516 |

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## Application Tooling

## Global

| Description | Part Number |
|---|---|
| Extraction Tool for Mini-Fit Jr. Terminals | 11030044 |
| Hand Crimp Tool for Mini-Fit Jr. Male and Female Crimp Terminals, 16 AWG | 2002182200 |
| FineAdjust Applicator for | 639039400 |

| | |
|---|---|
| Insulation OD 2.20-2.45mm, 16 AWG | |
| FineAdjust Applicator for Insulation OD 2.60-3.15mm, 16 AWG | 639041400 |
| FineAdjust Applicator for Insulation OD 1.80-2.20mm, 16 AWG | 639041500 |