

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

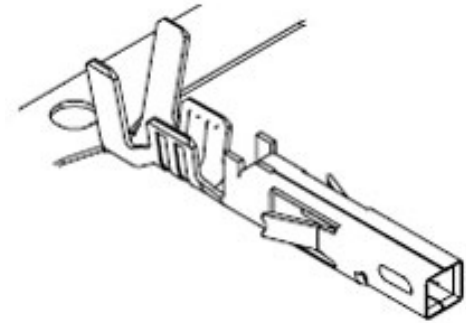
46018-1541

Status:

Active

Description:

Mini-Fit® Plus HMC (High Mating Cycle) Female Crimp Terminal, 18-20 AWG, Reel, Select Gold (Au) Plating with Proprietary Molex Advanced Contact Surface Finish (CSF) in Contact Area



Series

image - Reference only

Documents:

- [Drawing \(PDF\)](#)
- [Packaging Specification PK-46018-001 \(PDF\)](#)
- [Test Summary TS-46018-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Product Family          | Crimp Terminals                                                          |
| Series                  | 46018                                                                    |
| Application             | Power                                                                    |
| Comments                | Current Rating = 9A Max. Using 18 AWG Wire and 7A Max. Using 20 AWG Wire |
| Crimp Quality Equipment | Yes                                                                      |
| Packaging Alternative   | 46018-1542 (Loose)                                                       |
| Product Name            | Mini-Fit® Plus HMC                                                       |
| UPC                     | 822350560474                                                             |

Physical

|                                |                      |
|--------------------------------|----------------------|
| 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       | 1.65-2.95mm          |
| Wire Size AWG                  | 18, 20               |
| Wire Size mm²                  | N/A                  |

Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 13A  |
| Voltage - Maximum             | 600V |

Material Info

Reference - Drawing Numbers

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-46018-001 |
| Sales Drawing           | SD-46018-001 |
| Test Summary            | TS-46018-001 |

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

46018Series

Use With

5557 Mini-Fit Jr.™ Receptacles, 30067 Mini-Fit® TPA Receptacles, 42474 Mini-Fit® BMI Panel Mount Receptacles, 44516 Mini-Fit® BMI Panel Mount Slide-N-Lock Receptacles

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™ Applicator for Insulation OD 2.50-2.95mm - 18-24 AWG | 0639002600 |
| FineAdjust™ Applicator for Insulation OD                         | 0639002900 |

|                                                                                                                             |                                        |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 1.65-2.05mm - 18-24<br>AWG<br>FineAdjust™<br>Applicator for<br>Insulation OD                                                | <u>0639015600</u>                      |
| 1.90-2.30mm - 18-24<br>AWG<br>FineAdjust™<br>Applicator for<br>Insulation OD                                                | <u>0639023900</u>                      |
| 1.40-1.70mm - 18-24<br>AWG<br>FineAdjust™<br>Applicator for<br>Insulation OD                                                | <u>0639024800</u>                      |
| 2.50-2.95mm<br>Optimized for 18<br>AWG Only<br>FineAdjust™<br>Applicator for<br>Insulation OD                               | <u>0639024900</u>                      |
| 2.30-2.60mm - 18-24<br>AWG<br>Extraction Tool<br>T2 Terminator™<br>for insulation OD                                        | <u>0011030044</u><br><u>0639115600</u> |
| 1.90-2.30mm - 18-24<br>AWG<br>T2 Terminator™<br>for insulation OD                                                           | <u>0639124900</u>                      |
| 2.30-2.60mm - 18-24<br>AWG<br>T2 Terminator™<br>for insulation OD                                                           | <u>0639102600</u>                      |
| 2.50-2.95mm - 18-24<br>AWG<br>T2 Terminator™ for<br>insulation OD 1.65<br>– 2.05mm – 18 – 24                                | <u>0639102900</u>                      |
| AWG<br>T2 Terminator™<br>for insulation OD                                                                                  | <u>0639123900</u>                      |
| 1.40-1.70mm - 18-24<br>AWG<br>T2 Terminator™<br>for insulation OD                                                           | <u>0639124800</u>                      |
| 2.50-2.95mm<br>optimized for 18<br>AWG only<br>Hand Crimp Tool for<br>Male and Female<br>Crimp Terminals,<br>16-24 AWG Wire | <u>0638190900</u>                      |

This document was generated on 04/05/2013

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**