

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0460181541](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Plus Connector System](#)  
**Description:** Mini-Fit Plus 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

**Documents:**

[Drawing \(PDF\)](#) [Test Summary TS-46018-001-001 \(PDF\)](#)  
[Product Specification PS-46018-004-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification PK-46018-001-001 \(PDF\)](#)

**General**

Product Family	Crimp Terminals
Series	46018
Application	Power, Wire-to-Board, Wire-to-Wire
Comments	Current Rating = 9A Max. Using 18 AWG Wire and 7A Max. Using 20 AWG Wire
Crimp Quality Equipment Overview	Yes
Packaging Alternative	<a href="#">Mini-Fit Plus Connector System</a>
Product Name	460181542 (Loose)
UPC	Mini-Fit Plus 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 mm <sup>2</sup>	N/A

**Electrical**

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

**Solder Process Data**

Lead-freeProcess Capability	N/A
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**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-46018-001-001
Product Specification	PS-46018-004-001
Sales Drawing	SD-46018-001-001
Test Summary	TS-46018-001-001



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

46018 Series

**Mates With**

Mini-Fit Plus Crimp Terminal [46012](#)  
 <br>Mini-Fit Plus Header [46011](#) , [46014](#)  
 , [46015](#) <br>Mini-Fit BMI Header [44068](#) ,  
[42404](#) , [43810](#) <br>Mini-Fit Jr. Header [5569](#)  
 <br>Mini-Fit TPA Header [30070](#)

**Use With**

Mini-Fit Jr. Receptacles [5557](#) <br>Mini-Fit TPA Receptacles [30067](#) <br>Mini-Fit BMI Panel Mount Receptacles [42474](#) <br>Mini-Fit BMI Panel Mount Slide-N-Lock Receptacles [44516](#)

**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 #**

Extraction Tool	<u>11030044</u>
Hand Crimp Tool for Mini-Fit Jr. Male and Female Crimp Terminals, 18-24 AWG	<u>638190901</u>
FineAdjust Applicator for Insulation OD 1.90-2.30mm - 18-24 AWG	<u>639015600</u>
FineAdjust Applicator for Insulation OD 1.40-1.70mm - 18-24 AWG	<u>639023900</u>
FineAdjust Applicator for Insulation OD 2.50-2.95mm Optimized for 18 AWG Only	<u>639024800</u>
FineAdjust Applicator for Insulation OD 2.30-2.60mm - 18-24 AWG	<u>639024900</u>
FineAdjust Applicator for Insulation OD 2.50-2.95mm, 18-24 AWG	<u>639047800</u>
FineAdjust Applicator for Insulation OD 1.65-2.05mm, 18-24 AWG	<u>639048000</u>
T2 Terminator for insulation OD 1.90-2.30mm - 18-24 AWG	<u>639115600</u>
T2 Terminator for insulation OD 1.40-1.70mm - 18-24 AWG	<u>639123900</u>
T2 Terminator for insulation OD 2.50-2.95mm optimized for 18 AWG only	<u>639124800</u>
T2 Terminator for insulation OD 2.30-2.60mm - 18-24 AWG	<u>639124900</u>
T2 Terminator for Mini-Fit Crimp Terminals, 18-24 AWG with Large Insulation ODs	<u>639147800</u>
T2 Terminator for Mini-Fit Crimp Terminals, 18-24 AWG with Smaller Insulation ODs	<u>639148000</u>

This document was generated on 12/11/2020

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Authorized Distributor

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[Molex:](#)

[46018-1541](#) [46018-1541 \(Mouser Reel\)](#) [46018-1541 \(Cut Strip\)](#) [46018-1541 \(Loose Piece\)](#)