

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

**Part Number:** [0460121241](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit Plus Crimp Terminal, 18-20 AWG, Reel, 0.76µm Selective Gold (Au) Plating

**Documents:**

[Drawing \(PDF\)](#) [Test Summary 457500003-TS-000 \(PDF\)](#)  
[Product Specification PS-45750-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Packaging Specification PK-46012-001-001 \(PDF\)](#)

**General**

Product Family	Crimp Terminals
Series	46012
Application	Power, Wire-to-Wire
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current derating information.
Crimp Quality Equipment Overview	Yes
Packaging Alternative	<a href="#">Mini-Fit Family Power Connectors</a>
Product Name	460121242 (Bag)
UPC	Mini-Fit Plus 822350570473

**Physical**

Durability (mating cycles max)	250
Gender	Male
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	0.144/g
Packaging Type	Reel
Plating min - Mating	0.762µm
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

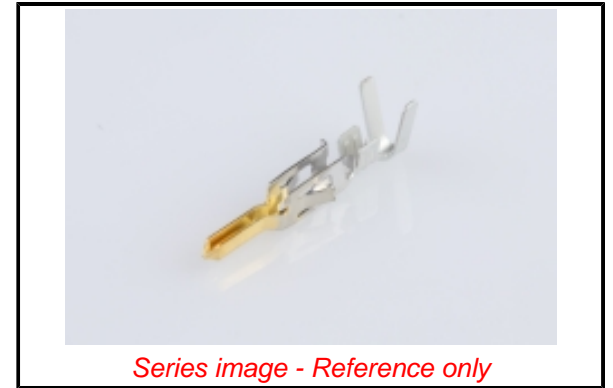
**Solder Process Data**

Lead-freeProcess Capability	N/A
-----------------------------	-----

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-46012-001-001
Product Specification	PS-45750-001-001
Sales Drawing	SD-46012-001-001
Test Summary	457500003-TS-000



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**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**

46012 Series

**Use With**

Mini-Fit Jr. Plugs [5559](#) <br> Mini-Fit MBI  
Panel Mount Plugs [42475](#) <br> Mini-Fit TPA  
Plugs [30068](#)

**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 for Mini-Fit Jr. Terminals	<a href="#">11030044</a>
PremiumGrade Hand Crimp Tool for Mini-Fit Jr. Male and Female Terminals, 18-24 AWG	<a href="#">638190901</a>
FineAdjust Applicator for 18-20	<a href="#">639015600</a>

AWG and 18-24  
AWG Wires with  
Insulation Diameter  
1.90-2.30mm  
FineAdjust Applicator [639023900](#)  
for Insulation OD  
1.40-1.70mm - 18-24  
AWG  
FineAdjust Applicator [639024800](#)  
for Insulation OD  
2.50-2.95mm  
Optimized for 18  
AWG Only  
FineAdjust Applicator [639024900](#)  
for Insulation OD  
2.30-2.60mm - 18-24  
AWG  
FineAdjust Applicator [639047800](#)  
for Insulation OD  
2.50-2.95mm, 18-24  
AWG  
FineAdjust Applicator [639048000](#)  
for Insulation OD  
1.65-2.05mm, 18-24  
AWG  
T2 Terminator [639115600](#)  
for insulation OD  
1.90-2.30mm - 18-24  
AWG  
T2 Terminator [639123900](#)  
for insulation OD  
1.40-1.70mm - 18-24  
AWG  
T2 Terminator [639124800](#)  
for insulation OD  
2.50-2.95mm  
optimized for 18  
AWG only  
T2 Terminator [639124900](#)  
for insulation OD  
2.30-2.60mm - 18-24  
AWG  
T2 Terminator [639147800](#)  
for Mini-Fit Crimp  
Terminals, 18-24  
AWG with Large  
Insulation ODs  
T2 Terminator [639148000](#)  
for Mini-Fit Crimp  
Terminals, 18-24  
AWG with Smaller  
Insulation ODs

This document was generated on 02/01/2022

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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Headers & Wire Housings](#) category:*

*Click to view products by [Molex](#) manufacturer:*

Other Similar products are found below :

[892-18-020-10-001101](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [009176003701906](#) [0050291907](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#)  
[609-3404](#) [61062-3](#) [61082-181009](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-](#)  
[010LF](#) [65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67095-007LF](#) [67601157](#) [68648-049](#) [70.362.1628.0](#) [70-4210](#) [70-4226B](#) [70-4853B](#) [707-](#)  
[5020](#) [707-5028](#) [71.350.2428.0](#) [71918-208LF](#) [71961-016LF](#) [733-134](#) [733-162](#) [754199-000](#) [760-3052](#) [787-8014-00](#) [79531-3000](#) [FCN-](#)  
[360C032-B](#) [FCN-367T-T012/H](#) [FCN-723D010/2](#) [80.063.4001.1](#) [800-90-001-10-001000](#) [800-90-010-10-002000](#) [801-43-002-10-013000](#)  
[801-43-006-10-002000](#)