



Part Number : 460121241

Series Number : 46012

Product Category : Crimp Terminals

Product Description : Mini-Fit Plus Crimp Terminal, 20-18 AWG, Reel, 0.76µm Selective Gold (Au) Plating

Status : Active

Packaging Alternative : 460121242 (Bag)

Documents & Resources

Drawings

Drawing 460121241_sd.pdf

Packaging Design Drawing PK-46012-001-001.pdf


Specifications

Product Specification PS-45750-001-001.pdf

Test Summary 457500003-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Part Details

General

Status	Active
Category	Crimp Terminals
Series	46012
Description	Mini-Fit Plus Crimp Terminal, 20-18 AWG, Reel, 0.76µm Selective Gold (Au) Plating
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 de-rating information.
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Plus
UPC	822350570473

Electrical

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

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 ²	N/A

Solder Process Data

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

Use with Part(s)

Description	Part Number
Mini-Fit Jr. Plug Housings	<u>5559</u>
Mini-Fit BMI Dual Row Plug Housings	<u>42475</u>

Application Tooling

Global

Description	Part Number
Extraction Tool for Mini-Fit Jr. Terminals	<u>11030044</u>
PremiumGrade Hand Crimp Tool for Mini-Fit Jr. Male and Female Terminals, 24-18 AWG	<u>638190901</u>
FineAdjust Applicator for 20-18 AWG and 24-18 AWG Wires with Insulation Diameter 1.90-2.30mm	<u>639015600</u>
FineAdjust Applicator for Insulation OD 1.40-1.70mm - 24-18 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 - 24-18 AWG	<u>639024900</u>
FineAdjust Applicator for Insulation OD 2.50-2.95mm, 24-18 AWG	<u>639047800</u>
FineAdjust Applicator for Insulation OD 1.65-2.05mm, 24-18 AWG	<u>639048000</u>
T2 Terminator for Insulation OD 1.90-2.30mm - 24-18 AWG	<u>639115600</u>
T2 Terminator for insulation OD 1.40-1.70mm - 24-18 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 - 24-18 AWG	<u>639124900</u>
T2 Terminator for Mini-Fit Crimp Terminals, 24-18 AWG with Large Insulation ODs	<u>639147800</u>
T2 Terminator for Mini-Fit Crimp Terminals, 24-18 AWG with Smaller Insulation ODs	<u>639148000</u>

This document was generated on Sep 18, 2024