

Part Number : 457501111
Product Description : Mini-Fit Plus Female Crimp Terminal, 20-18 AWG, Copper Alloy, Tin (Sn) Plating, Reel
Series Number : 45750
Status : Active
Product Category : Crimp Terminals
Packaging Alternative : 457501112 (Bag)

Documents and Resources

Drawings

457501111_sd.pdf

55560001-PK-000.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

55560002-AS-000.pdf

PS-45750-001-001.pdf

55560008-TS-000.pdf

TS-45750-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33; 34
China RoHS	per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
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

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- 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

Part Details

General

Status	Active
Category	Crimp Terminals
Series	45750
Description	Mini-Fit Plus Female Crimp Terminal, 20-18 AWG, Copper Alloy, Tin (Sn) Plating, Reel
Application	Wire-to-Board, 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. Series 45750 is Hot-Swappable
Product Name	Mini-Fit Plus
UPC	822350286015

Electrical

Current - Maximum per Contact	11.5A
Voltage - Maximum	600V

Physical

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Durability (mating cycles max)	100
Gender	Female
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.150/g
Packaging Type	Reel
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.80-3.10mm
Wire Size (AWG)	18, 20
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 TPA Dual Row Receptacle Housings	30067
Mini-Fit BMI Dual Row Receptacle Housings	42474
Mini-Fit BMI Dual Row Receptacle Housings	43760
Mini-Fit BMI Dual Row Receptacle Housings	44516
Mini-Fit Jr. Receptacle Housings	5557
Mini-Fit Jr. Dual Row Receptacle Housings	46992

Application Tooling

Global

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Description	Part Number
Extraction Tool for Mini-Fit Jr. Terminals	11030044
PremiumGrade Hand Crimp Tool for Mini-Fit Jr. Male and Female Terminals, 24-18 AWG	638190901
FineAdjust Applicator for 20-18 AWG and 24-18 AWG Wires with Insulation Diameter 1.90-2.30mm	639015600
FineAdjust Applicator for Insulation OD 1.40-1.70mm - 24-18 AWG	639023900
FineAdjust Applicator for Insulation OD 2.50-2.95mm Optimized for 18 AWG Only	639024800
FineAdjust Applicator for Insulation OD 2.30-2.60mm - 24-18 AWG	639024900
FineAdjust Applicator for Insulation OD 2.50-2.95mm, 24-18 AWG	639047800
FineAdjust Applicator for Insulation OD 1.65-2.05mm, 24-18 AWG	639048000
T2 Terminator for Insulation OD 1.90-2.30mm - 24-18 AWG	639115600
T2 Terminator for insulation OD 1.40-1.70mm - 24-18 AWG	639123900
T2 Terminator for insulation OD 2.50-2.95mm optimized for 18 AWG only	639124800
T2 Terminator for insulation OD 2.30-2.60mm - 24-18 AWG	639124900
T2 Terminator for Mini-Fit Crimp Terminals, 24-18 AWG with Large Insulation ODs	639147800
T2 Terminator for Mini-Fit Crimp Terminals, 24-18 AWG with Smaller Insulation ODs	639148000

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