molex



Part Number : 304902002
Product Description : Mini-Fit Jr. Crimp Grounding Terminal, Male, with Tin (Sn) Plated Phosphor Bronze Contact, 24-18 AWG, Reel
Series Number : 30490
Status : Active
Product Category : Crimp Terminals
Packaging Alternative : 304902012 (Bag)

Documents and Resources

Drawings

304902002_sd.pdf

PK-5556-003-001.pdf

STEP AP242

SOLIDWORKS

Creo

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
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
- 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	30490
Description	Mini-Fit Jr. Crimp Grounding Terminal, Male, with Tin (Sn) Plated Phosphor Bronze Contact, 24-18 AWG, Reel
Application	Wire-to-Wire
Comments	Grounding Pin
Product Name	Mini-Fit Jr.
UPC	800754319294

Electrical

Current - Maximum per Contact	9.0A

Physical

Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.153/g
Packaging Type	Reel
Plating min - Mating	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.30-3.10mm

Wire Size (AWG)	18, 20, 22, 24
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 Jr. Plug Housings	5559

Application Tooling

Global

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	639048000

Insulation OD 1.65-2.05mm, 24-18 AWG	
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