molex



Part Number : 430310002
Product Description : Micro-Fit 3.0 Crimp Terminal, Male, with 0.38µm Select Gold (Au) Plated Phosphor Bronze Contact, 24-20 AWG, Reel
Series Number : 43031
Status : Active
Product Category : Crimp Terminals
Packaging Alternative : 430310008 (Bag)

Documents and Resources

Drawings

430310002_sd.pdf

PK-43031-001-001.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

430450001-AS-000.pdf

430450001-PS-KO-000.pdf

430450001-PS-SP-000.pdf

PS-43045-001.pdf

430450005-TS-000.pdf

430450006-TS-000.pdf

430450007-TS-000.pdf

TS-43045-001-001.pdf

TS-43045-002-001.pdf

TS-46235-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33

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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	43031
Description	Micro-Fit 3.0 Crimp Terminal, Male, with 0.38µm Select Gold (Au) Plated Phosphor Bronze Contact, 24-20 AWG, Reel
Application	Wire-to-Wire
Product Name	Micro-Fit 3.0
UPC	800754369411

Electrical

Current - Maximum per Contact	7.0A

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Physical

Durability (mating cycles max)	30
Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min - Mating	0.381µm
Plating min - Termination	2.540µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.85mm max.
Wire Size (AWG)	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
Micro-Fit 3.0 Dual Row Plug Housings	43020
Micro-Fit 3.0 Single Row Plug Housings	43640
Micro-Fit BMI Dual Row Plug Housings	44300
Micro-Fit BMI Single Row Plug Housings	46625

Application Tooling

Global

Description	Part Number
Extraction Tool for Micro-Fit	11030043

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Terminals	
Insertion Tool for Micro-Fit 3.0 and CRC Male and Female Crimp Terminals, 30-20 AWG	638120800
PremiumGrade Hand Crimp Tool for Micro-Fit 3.0 Terminals, 30-20 AWG	638190000
FineAdjust Applicator for Insulation OD 1.30-1.85mm, 24-20 AWG Wire	639004500
FineAdjust Applicator for Insulation OD 1.10-1.30mm - 24-20 AWG	639018800
FineAdjust Applicator for Micro-Fit 3.0 Terminals, for 24-20 AWG Wire with Insulation Diameter 0.91-1.09mm	639018900
T2 Terminator for Insulation OD 1.30-1.85mm, 24-20 AWG	639104500
T2 Terminator for Insulation OD 1.10-1.30mm - 24-20 AWG	639118800
T2 Terminator for Insulation OD 0.91-1.09mm - 24-20 AWG	639118900
FA2 Mechanical Feed Crimp Applicator for Micro-Fit 3.0 Male and Female Terminals, Double 24+24 AWG, UL 1061 Wires	2130698700
FA2 Mechanical Feed Crimp Applicator for Micro-Fit 3.0 Male and Female Terminals, Double 26+26 AWG, UL 1061 Wires	2130698800

Japan

Description	Part Number
S-1 Applicator for Micro-Fit 3.0 Plug and Receptacle Crimp Terminals, 24-20 AWG	572983700

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