molex

Part Number : 430310021

Product Description : Micro-Fit 3.0 Crimp Terminal, Male, with Tin (Sn) Plated Phosphor Bronze Contact, 18 AWG, .073in / 1.85mm Max Insulation Outside Diameter, Reel

Series Number : 43031

Status : Active

Product Category : Crimp Terminals

Documents & Resources

Drawings
Drawing 430310021_sd.pdf
Packaging Design Drawing PK-43031-001-001.pdf

Specifications
Product Specification 430450001-PS-KO-000.pdf
Product Specification 430450001-PS-SP-000.pdf
Product Specification PS-43045-001.pdf
Test Summary 430450005-TS-000.pdf
Test Summary TS-43045-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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)

<u>EU RoHS Certificate of Compliance</u>

Part Details

General

Status	Active
Category	Crimp Terminals
Series	43031
Description	Micro-Fit 3.0 Crimp Terminal, Male, with Tin (Sn) Plated Phosphor Bronze Contact, 18 AWG, .073in / 1.85mm Max Insulation Outside Diameter, Reel
Application	Power, Wire-to-Wire
Comments	Part Number 430310021 is Designed for 18 AWG 1061 Style Wire or a .073/1.85 Maximum Insulation Outside Diameter
Product Family	Micro-Fit Connector System
Product Name	Micro-Fit 3.0
UPC	191128166102

Electrical

Current - Maximum per Contact	8.5A

Physical

Durability (mating cycles max)	30
Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.061/g
Packaging Type	Reel
Plating min - Mating	1.016µm
Plating min - Termination	1.016µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.85mm max.

Wire Size (AWG)	18
Wire Size mm²	0.75

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 Terminals	11030043
Insertion Tool for Micro-Fit 3.0 and CRC Male and Female Crimp Terminals, 20-30 AWG	638120800
Hand Crimp Tool for Micro-Fit 3.0 Female Crimp Terminals, 0.75mm² and 18AWG (UL1061) wires	638280200
FineAdjust Applicator for Micro-Fit 3.0 and Micro-Fit Plus Terminals, for 0.75mm² and 18 AWG (UL1061) Wires with Insulation Diameter 1.40-1.85mm	639025800