molex



Part Number : 430315005
Product Description : Micro-Fit TPA Crimp Terminal, Male, with 0.76µm Select Gold (Au) Plated Phosphor Bronze Contact, 24-20 AWG, Reel
Series Number : 43031
Status : Active
Product Category : Crimp Terminals

Documents & Resources

Drawings

430315005_sd.pdf

PK-43031-001-001.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

436500001-PS-JA-000.pdf

436500001-PS-KO-000.pdf

436500001-PS-SP-000.pdf

PS-43650-001.pdf

430450005-TS-000.pdf

430450006-TS-000.pdf

430450007-TS-000.pdf

TS-43045-001-001.pdf

TS-46235-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant

Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
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 TPA Crimp Terminal, Male, with 0.76µm Select Gold (Au) Plated Phosphor Bronze Contact, 24-20 AWG, Reel
Application	Power, Wire-to-Wire
Product Name	Micro-Fit TPA
UPC	889056917193

Electrical

Current - Maximum per Contact	8.5A

Physical

Durability (mating cycles max)	30

Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Net Weight	0.061/g
Packaging Type	Reel
Plating min - Mating	0.762µm
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

Mates With / Use With

Use with Part(s)

Description	Part Number
Micro-Fit TPA Single Row Plug Housings	200875

Application Tooling

Global

Description	Part Number
Extraction Tool for Micro-Fit Terminals	11030043
Hand Crimp Tool for Micro-Fit Crimp Terminals, 20 AWG, UL1007 and UL1061 Wires	2133094500
Hand Crimp Tool for Micro-Fit Crimp Terminals, 22 AWG, UL1007 and UL1061 Wires	2133094600
Hand Crimp Tool for Micro-Fit+ Crimp Terminals, 24 AWG, UL 1007 and UL 1061 Wires	2133094700
Insertion Tool for Micro-Fit 3.0 and	638120800

CRC Male and Female Crimp Terminals, 30-20 AWG	
FineAdjust Applicator for Insulation OD 1.30-1.85mm, 24-20 AWG Wire	639004500