molex



Part Number : 2018450030
Product Description : MultiCat High-Power Plug Terminal, Gold over Nickel Phosphorus Plating, 12-10 AWG
Series Number : 201845
Status : Active
Product Category : Crimp Terminals
Engineering Part Number : FPG008P204

Documents and Resources

Drawings

2018450030_sd.pdf

2018460001-PK.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

2009140003-AS-000.pdf

2018400000-AS-000.pdf

2009140003-000.pdf

2018400000-PS-000.pdf

2009140003-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 3; 44; 34; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead per D(2025)7771-DC (04 Feb 2026)

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EU RoHS	Compliant with Exemption 6(c) 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	201845
Description	MultiCat High-Power Plug Terminal, Gold over Nickel Phosphorus Plating, 12-10 AWG
Application	Power, Wire-to-Wire
Product Name	MultiCat
UPC	889056747318

Electrical

Current - Maximum per Contact	30.0A
Voltage - Maximum	1000V AC

Physical

Durability (mating cycles max)	500
Gender	Male

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Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel Phosphorus
Material - Plating Termination	Gold
Net Weight	2.228/g
Packaging Type	Bag
Plating min - Mating	0.100µm
Plating min - Termination	0.200µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	3.40mm-4.03mm
Wire Size (AWG)	10, 12
Wire Size mm^2	3.31-5.26

Mates With / Use With

Use with Part(s)

Description	Part Number
MultiCat High-Power Circular Plug Housings	200914
MultiCat High-Power Inline Plug Housings	201840

Application Tooling

Global

Description	Part Number
Hand Crimp Tool for MultiCat Machined High-Power Contact, 18-8 AWG	2002182300
Extraction Tool for MultiCat High-Power Crimp Terminals, 18-8 AWG	2002220200

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