molex



Part Number : 02082005
Product Description : MLX Male Crimp Terminal 42023, 20-14 AWG, Reel, Phosphor Bronze, Tin (Sn) Plating
Series Number : 42023
Status : Active
Product Category : Crimp Terminals
Engineering Part Number : 42023-2B1
Packaging Alternative : 02082006 (Bag)

Documents and Resources

Drawings

002082005_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Specifications

PS-42022-0001-001.pdf

TS-42022-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
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)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC

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- 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	42023
Description	MLX Male Crimp Terminal 42023, 20-14 AWG, Reel, Phosphor Bronze, Tin (Sn) Plating
Application	Power, Wire-to-Wire
Product Name	MLX
UPC	800753615663

Physical

Gender	Male
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.401/g
Packaging Type	Reel
Plating min - Mating	0.508µm
Plating min - Termination	0.508µm
Termination Interface Style	Crimp or Compression
Wire Insulation Diameter	1.52-3.30mm
Wire Size (AWG)	14, 16, 18, 20

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Wire Size mm^2	N/A

Solder Process Data

Lead-Free Process Capability	N/A

Application Tooling

Global

Description	Part Number
Extraction Tool for MLX 2.13mm Diameter Pin and Socket Crimp Terminals	11010168
PremiumGrade Hand Crimp Tool for MLX Pin and Socket Terminals, 20-14 AWG	638116800
FineAdjust Applicator for Crimp Terminals, 20-14 AWG Wire with 2.08-2.50mm Diameter Insulation	639007500
FineAdjust Applicator for Crimp Terminals, 20-14 AWG Wire with 2.65-3.30mm Diameter Insulation	639009800
FineAdjust Applicator for Crimp Terminals, 20-14 AWG Wire with 2.41-2.95mm Diameter Insulation	639009900

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