molex



Part Number : 02081003
Product Description : MLX Female Crimp Terminal, 20-14 AWG, Phosphor Bronze, Tin (Sn) Plating, Reel
Series Number : 42024
Status : Active
Product Category : Crimp Terminals
Engineering Part Number : 42024-1B1
Packaging Alternative : 02081004 (Bag)

Documents and Resources

Drawings

002081003_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
- Low-Halogen

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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	42024
Description	MLX Female Crimp Terminal, 20-14 AWG, Phosphor Bronze, Tin (Sn) Plating, Reel
Application	Wire-to-Board, Wire-to-Wire
Product Name	MLX
UPC	800753618411

Physical

Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.359/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
Wire Size mm^2	N/A

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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
T2 Terminator for MLX Crimp Terminals, 20-14 AWG	639107500
T2 Terminator Tooling Die for Crimp Terminals, 20-14 AWG Wire	639109800
T2 Terminator Tooling Die for Crimp Terminals, 20-14 AWG Wire	639109900

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