molex

Part Number : 02081003

Product Description : MLX Female Crimp Terminal 42024, 20-14 AWG, Reel, Phosphor Bronze, Tin (Sn) Plating

Series Number : 42024

Status : Active

Product Category : Crimp Terminals

Engineering Number : 42024-1B1

Packaging Alternative : 02081004 (Bag)

Documents & Resources

Drawings
Drawing 002081003_sd.pdf

Specifications
Product Specification PS-42022-0001-001.pdf
Test Summary TS-42022-0001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44
China RoHS	(e)
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)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	Crimp Terminals
Series	42024
Description	MLX Female Crimp Terminal 42024, 20-14 AWG, Reel, Phosphor Bronze, Tin (Sn) Plating
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	MLX Power Connectors
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 mm²	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
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