molex

Part Number : 02081002

Product Description : MLX Crimp Terminal 42024, 14-20 AWG, Bag Tin (Sn)

Series Number : 42024

Status : Active

Product Category : Crimp Terminals

Engineering Number : 42024-1A1L

Packaging Alternative : 0002081001 (Reel)

Documents & Resources

Drawings

Drawing 002081002_sd.pdf

Packaging Design Drawing PK-36518-381-001.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	♻
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2022)9120-DC (17 Jan 2023)
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 Crimp Terminal 42024, 14-20 AWG, Bag Tin (Sn)
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800753615885

Physical

Gender	Female
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.344/g
Packaging Type	Bag
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

Solder Process Data

Lead-Free Process Capability	N/A

Application Tooling

Global

Description	Part Number
Hand Crimp Tool	0011010167
Extraction Tool for MLX 2.13mm Diameter Pin and Socket Crimp Terminals	0011010168
Hand Crimp Tool	0638113500
PremiumGrade Hand Crimp Tool for MLX Pin and Socket Terminals, 14-20 AWG	0638116800
Crimp Head for the AT-200 Pneumatic Hand Tool	0640073500
Parallel Action Handtool for Terminals, 14-20 AWG Wire	0690080725

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