



Part Number : 02081001

Series Number : 42024

Product Category : Crimp Terminals

Packaging Alternative : 02081002 (Bag)

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

Status : Active

Engineering Number : 42024-1A1

Documents & Resources

Drawings

Drawing 002081001_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	
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 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, 14-20 AWG, Reel, Brass, Tin (Sn) Plating
Application	Power, Wire-to-Board, Wire-to-Wire
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800753615878

Physical

Gender	Female
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Net Weight	0.406/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

Solder Process Data

Lead-Free Process Capability	N/A
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Application Tooling

Global

Description	Part Number
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Extraction Tool for MLX 2.13mm Diameter Pin and Socket Crimp Terminals	<u>11010168</u>
PremiumGrade Hand Crimp Tool for MLX Pin and Socket Terminals, 14-20 AWG	<u>638116800</u>
FineAdjust Applicator for Crimp Terminals, 14-20 AWG Wire with 2.08-2.50mm Diameter Insulation	<u>639007500</u>
FineAdjust Applicator for Crimp Terminals, 14-20 AWG Wire with 2.65-3.30mm Diameter Insulation	<u>639009800</u>
FineAdjust Applicator for Crimp Terminals, 14-20 AWG Wire with 2.41-2.95mm Diameter Insulation	<u>639009900</u>
T2 Terminator for MLX Crimp Terminals, 14-20 AWG	<u>639107500</u>
T2 Terminator Tooling Die for Crimp Terminals, 14-20 AWG Wire	<u>639109800</u>
T2 Terminator Tooling Die for Crimp Terminals, 14-20 AWG Wire	<u>639109900</u>

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