



**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)



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## Documents & Resources

### Drawings

[002081003 sd.pdf](#)

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications


[PS-42022-0001-001.pdf](#)

[TS-42022-0001-001.pdf](#)

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## 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)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC

- 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	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 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 <sup>2</sup>	N/A
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### Solder Process Data

Lead-Free Process Capability	N/A
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## Application Tooling

### Global

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