



**Part Number :** [02081001](#)  
**Product Description :** MLX Female Crimp Terminal  
42024, 20-14 AWG, Reel, Brass, Tin (Sn) Plating  
**Series Number :** 42024  
**Status :** Active  
**Product Category :** Crimp Terminals  
**Engineering Number :** 42024-1A1  
**Packaging Alternative :** [02081002](#) (Bag)



## Documents & Resources

### Drawings

[002081001\\_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	Compliant per 2000/53/EC
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, Brass, Tin (Sn) Plating
Application	Power, Wire-to-Board, Wire-to-Wire
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 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	<a href="#">11010168</a>
PremiumGrade Hand Crimp Tool for MLX Pin and Socket Terminals, 20-14 AWG	<a href="#">638116800</a>
FineAdjust Applicator for Crimp Terminals, 20-14 AWG Wire with 2.08-2.50mm Diameter Insulation	<a href="#">639007500</a>
FineAdjust Applicator for Crimp Terminals, 20-14 AWG Wire with 2.65-3.30mm Diameter Insulation	<a href="#">639009800</a>
FineAdjust Applicator for Crimp Terminals, 20-14 AWG Wire with 2.41-2.95mm Diameter Insulation	<a href="#">639009900</a>
T2 Terminator for MLX Crimp Terminals, 20-14 AWG	<a href="#">639107500</a>
T2 Terminator Tooling Die for Crimp Terminals, 20-14 AWG Wire	<a href="#">639109800</a>
T2 Terminator Tooling Die for Crimp Terminals, 20-14 AWG Wire	<a href="#">639109900</a>