

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0002082005**  
**Status:** **Active**  
**Overview:** MLX Power Connectors  
**Description:** MLX Male Crimp Terminal 42023, 14-20 AWG, Reel, Phosphor Bronze, Tin (Sn) Plating

**Documents:**

[Drawing \(PDF\)](#) [Datasheet \(PDF\)](#)  
[Product Specification PS-42022-0001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Test Summary TS-42022-0001-001 \(PDF\)](#)

**General**

Product Family Crimp Terminals  
 Series 42023  
 Application Power, Wire-to-Wire  
 Crimp Quality Equipment Yes  
 Overview MLX Power Connectors  
 Packaging Alternative 02082006 (Loose)  
 Product Name MLX  
 UPC 800753615663

**Physical**

Gender Male  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Net Weight 0.401/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

**Solder Process Data**

Lead-freeProcess Capability N/A

**Material Info**

Engineering Number 42023-2B1

**Reference - Drawing Numbers**

Product Specification PS-42022-0001-001  
 Sales Drawing SD-42023-XXXX-001, SD-42023-XXXX-002  
 Test Summary TS-42022-0001-001



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 D(2021)4569-DC (8  
 July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

42023 Series

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

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

This document was generated on 09/13/2021

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