

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

**Part Number:** [0010845090](#)  
**Status:** **Active**  
**Overview:** [MLX Power Connectors](#)  
**Description:** 6.35mm Pitch MLX Power Connector Header, Vertical, 9 Circuits, Polyester 94V-0, Tin (Sn) Plating, White

**Documents:**

[3D Model](#) [Packaging Specification PK-43255-001-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Packaging Specification PK-43255-003-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PSX-42002-0001-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

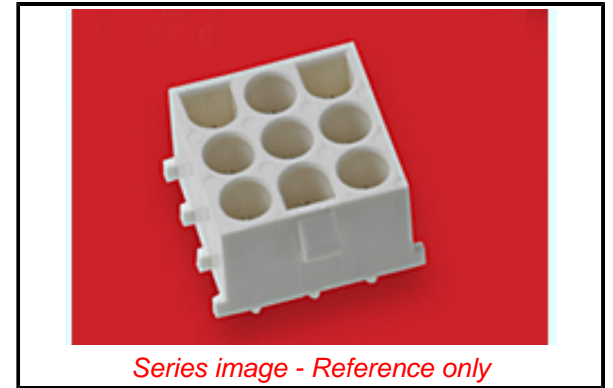
Product Family PCB Headers  
 Series [42002](#)  
 Application Power, Wire-to-Board  
 Comments Solder Type  
 Overview [MLX Power Connectors](#)  
 Product Name MLX  
 UPC 800753869080

**Physical**

Breakaway No  
 Circuits (Loaded) 9  
 Circuits (maximum) 9  
 Color - Resin Natural  
 Durability (mating cycles max) 50  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Guide to Mating Part Yes  
 Keying to Mating Part Yes  
 Lock to Mating Part Yes  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Resin Polyester  
 Net Weight 5.429/g  
 Number of Rows 3  
 Orientation Vertical  
 PC Tail Length 4.27mm  
 PCB Retention Yes  
 PCB Thickness - Recommended 1.57mm  
 Packaging Type Bag  
 Pitch - Mating Interface 6.35mm  
 Pitch - Termination Interface 6.35mm  
 Polarized to PCB Yes  
 Shrouded Fully  
 Surface Mount Compatible (SMC) No  
 Temperature Range - Operating -55° to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 13.5A, 20.0A



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
 ECHA\_01\_2020 (16  
 January 2020

**Halogen-Free**

**Status**

**Not 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**

[42002 Series](#)

**Mates With**

[42021 Plug](#)

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 010  |
| Lead-free Process Capability                   | WAVE |
| Process Temperature max. C                     | 260  |

**Material Info**

|                    |              |
|--------------------|--------------|
| Engineering Number | 42002-09C1A1 |
|--------------------|--------------|

**Reference - Drawing Numbers**

|                         |                                    |
|-------------------------|------------------------------------|
| Packaging Specification | PK-43255-001-001, PK-43255-003-001 |
| Product Specification   | PSX-42002-0001-001                 |
| Sales Drawing           | SDA-42002-XXXXX                    |

This document was generated on 03/24/2020

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