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**Part Number:** [10-84-5120](#)  
**Status:** **Active**  
**Overview:** [MLX™ Power Connectors](#)  
**Description:** 6.35mm Pitch MLX™ Power Connector Header, Vertical, 12 Circuits, Polyester 94V-0, Tin (Sn) Plating, White

**Documents:**

[3D Model](#) [Product Specification PS-42022-0001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**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 800753869127

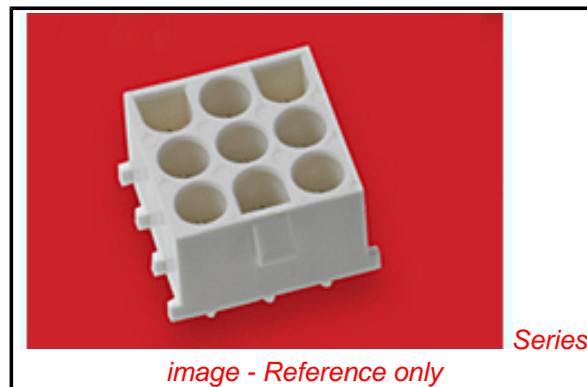
**Physical**

Breakaway No  
 Circuits (Loaded) 12  
 Circuits (maximum) 12  
 Color - Resin Natural  
 Durability (mating cycles max) 50  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Compliant 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 7.072/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°C to +105°C  
 Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 13.5A, 20A

**Solder Process Data**



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Not Low-Halogen**

**China RoHS**



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[42002Series](#)

**Mates With**

[42021 Plug](#)

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

**Material Info**

Old Part Number	42002-12C1A1
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**Reference - Drawing Numbers**

Product Specification	PS-42022-0001
Sales Drawing	SDA-42002-*****

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