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**Part Number:** [0010844040](#)  
**Status:** **Active**  
**Overview:** [MLX](#)  
**Description:** 6.35mm (.250) Pitch MLX™ Power Connector Header, Vertical, 4 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, White

**Documents:**

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

**General**

Product Family	PCB Headers
Series	<a href="#">42002</a>
Application	Wire-to-Board
Comments	Solder Type
Overview	<a href="#">MLX</a>
Product Name	MLX™

**Physical**

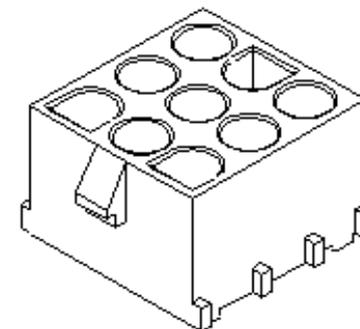
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.168 In
PC Tail Length (mm)	4.27 mm
PCB Retention	Yes
PCB Thickness Recommended (in)	0.125 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.250 In
Pitch - Mating Interface (mm)	6.35 mm
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**

CSA	LR19980
Current - Maximum	13.5A
UL	E29179

**Solder Process Data**

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



*Series image - Reference only*

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC  
Contains SVHC: No  
Halogen-Free  
Status**

**Not Reviewed**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

**China RoHS**



**Search Parts in this Series**

[42002 Series](#)

**Mates With**

[42021 Plug](#)

Process Temperature max. C

260

**Material Info**

Old Part Number

A-42002-4A1A1

**Reference - Drawing Numbers**

Product Specification

PS-42022-0001

Sales Drawing

SDA-42002-\*\*\*\*\*

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