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**Part Number:** [0010845120](#)  
**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:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-43255-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-43255-003-001 (PDF)</a>
<a href="#">Product Specification PSX-42002-0001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">42002</a>
3D Viewer	Yes
Application	Power, Wire-to-Board
CURRENT-MAX-NUMERIC	13.5, 20.0
Comments	Solder Type, Solder Type
Overview	<a href="#">MLX Power Connectors</a>
PITCH-MATING-NUMERIC	6.35
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 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	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° to +105°C
Termination Interface: Style	Through Hole



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**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](#)

**Electrical**

Current - Maximum per Contact 13.5A, 20.0A

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 010

Lead-free Process Capability WAVE

Process Temperature max. C 260

**Material Info**

Engineering Number 42002-12C1A1

**Reference - Drawing Numbers**

Packaging Specification PK-43255-001-001, PK-43255-003-001

Product Specification PSX-42002-0001-001

Sales Drawing SDA-42002-XXXXX

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