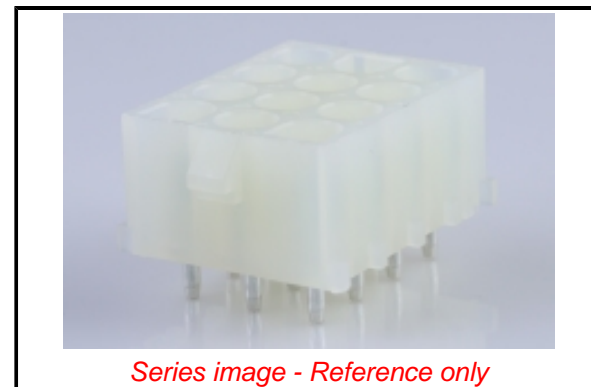


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0010844122](#)  
**Status:** **Active**  
**Overview:** [MLX Power Connectors](#)  
**Description:** 6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn), White, 12 Circuits

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-43255-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-43255-003-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Datasheet (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>
Application	Power, Wire-to-Board
Comments	High Vibration Application
Overview	<a href="#">MLX Power Connectors</a>
Product Name	MLX
UPC	800753610552

**Physical**

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	50
Flammability	94V-2
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	6.680/g
Number of Rows	3
Orientation	Vertical
PC Tail Length	4.30mm
PCB Retention	None
PCB Thickness - Recommended	0.90mm
Packaging Type	Carton
Pitch - Mating Interface	6.35mm
Polarized to PCB	Yes
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
Voltage - Maximum	600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	WAVE

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 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**

[42002 Series](#)

**Mates With**

[42021](#) , [42023](#)

Process Temperature max. C 260

**Material Info**

Engineering Number A-42002-12A2A1

**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 06/11/2021

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