



Part Number : [10844092](#)

Product Description : 6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn), White, 9 Circuits

Series Number : 42002

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Part Number : A-42002-9A2A1

Documents and Resources

Drawings

[010844092_sd.pdf](#)

[PK-43255-001-001.pdf](#)

[PK-43255-003-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)


[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[PSX-42002-0001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	42002
Description	6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn), White, 9 Circuits
Application	Power, Wire-to-Board
Comments	High Vibration Application
Component Type	PCB Header
Product Name	MLX
UPC	800753619838

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	13.5A, 20.0A
Voltage - Maximum	600V

Physical

Breakaway	No
Circuits (Loaded)	9
Circuits (maximum)	9
Color - Resin	Natural
Durability (mating cycles max)	50
First Mate / Last Break	No
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	5.171/g
Number of Rows	3
Orientation	Vertical
Packaging Type	Carton
PCB Retention	No
PCB Thickness - Recommended	0.90mm
PC Tail Length	4.30mm
Pitch - Mating Interface	6.35mm
Plating min - Termination	3.560µm
Polarized to PCB	Yes
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole

Solder Process Data

Max-Duration	10
Lead-Free Process Capability	WAVE
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
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2.13mm Diameter MLX Power Crimp Housing Plugs	<u>42021</u>
MLX Male Crimp Terminals	<u>42023</u>

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