



Part Number : [10845121](#)

Product Description : 6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PCT Polyester, Tin (Sn), White, 12 Circuits

Series Number : 42002

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Number : 42002-12C2A1

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## Documents & Resources

### Drawings

[Drawing 010845121\\_sd.pdf](#)

[Packaging Design Drawing PK-43255-001-001.pdf](#)

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

### 3D Models and Design Files

[3D Model 010845121\\_stp.zip](#)


### Specifications

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

### Multiple Part Industry Compliance Documents

- IPC 1752A Class C

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

EU RoHS Certificate of Compliance

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## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	42002
Description	6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PCT Polyester, Tin (Sn), White, 12 Circuits
Application	Power, Wire-to-Board
Comments	High Vibration Application
Component Type	PCB Header
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800753869134

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

### Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	50

Flammability	94V-0
Glow-Wire Capable	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	7.348/g
Number of Rows	3
Orientation	Vertical
Packaging Type	Carton
PC Tail Length	4.30mm
PCB Retention	None
PCB Thickness - Recommended	1.00mm
Pitch - Mating Interface	6.35mm
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

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### Mates With / Use With

#### Mates with Part(s)

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

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