



Part Number : [10845120](#)

Series Number : 42002

Product Category : PCB Headers and Receptacles

Product Description : 6.35mm Pitch MLX Power Connector Header, Vertical, 12 Circuits, Polyester 94V-0, Tin (Sn) Plating, White

Status : Active

Engineering Number : 42002-12C1A1

Documents & Resources

Drawings

[Drawing 010845120_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 010845120_stp.zip](#)

Specifications

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

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

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	42002
Description	6.35mm Pitch MLX Power Connector Header, Vertical, 12 Circuits, Polyester 94V-0, Tin (Sn) Plating, White
Application	Power, Wire-to-Board
Comments	Solder Type
Component Type	PCB Header
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800753869127

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	13.5A, 20.0A
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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
Packaging Type	Bag
PC Tail Length	4.27mm
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
Pitch - Mating Interface	6.35mm
Pitch - Termination Interface	6.35mm
Polarized to PCB	Yes
Shrouded	Fully
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
2.13mm Diameter MLX Power Crimp Housing Plugs	<u>42021</u>