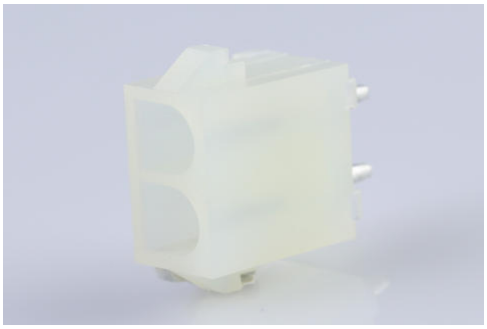


Part Number : 10844020
Product Description : 6.35mm Pitch MLX Power Connector Header, Vertical, 2 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, White
Series Number : 42002
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Part Number : A-42002-2A1A1

Documents and Resources

Drawings

010844020_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	Compliant with Exemption 44
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

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- 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 Header, Vertical, 2 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, White
Application	Wire-to-Board
Comments	Solder Type
Component Type	PCB Header
Product Name	MLX
UPC	800753610668

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	13.5A, 20.0A

Physical

Breakaway	No
Circuits (Loaded)	2

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Circuits (maximum)	2
Color - Resin	Natural
Durability (mating cycles max)	50
First Mate / Last Break	No
Gender	Male
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 - Plating Termination	Tin
Material - Resin	Nylon
Mounting Style	Through Hole
Net Weight	1.333/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
PC Tail Length	4.27mm
Pitch - Mating Interface	6.35mm
Pitch - Termination Interface	6.35mm
Plating min - Mating	3.500µm
Plating min - Termination	3.560µm
Polarized to PCB	Yes
Shrouded	Shrouded
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	42021

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