molex



Part Number : 10845031
Product Description : 6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PCT Polyester, Tin (Sn), White, 3 Circuits
Series Number : 42002
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : 4200203C2A1

Documents & Resources

Drawings

010845031_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	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
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, PCT Polyester, Tin (Sn), White, 3 Circuits
Application	Power, Wire-to-Board
Comments	High Vibration Application
Component Type	PCB Header
Product Name	MLX
UPC	800754227841

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Natural
Durability (mating cycles max)	50
First Mate / Last Break	No
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	2.213/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Carton
PCB Retention	None
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
2.13mm Diameter MLX Power Crimp Housing Plugs	42021
MLX Male Crimp Terminals	42023