molex



Part Number : 367590106
Product Description : 6.35mm Pitch MLX Power Connector Header with Pin Terminal, Vertical, 12 Circuits, Nylon 6/6 94V-2, Tin (Sn) Plating, Black, Lead-Free
Series Number : 42002
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

367590106_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(2024)7663-DC (21 Jan 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 Header with Pin Terminal, Vertical, 12 Circuits, Nylon 6/6 94V-2, Tin (Sn) Plating, Black, Lead-Free
Application	Power, Wire-to-Board
Comments	This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and

	fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.
Component Type	PCB Header
Product Name	MLX
UPC	884982509320

Agency

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	Black
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Plating Mating	Tin
Material - Plating Termination	Tin

Material - Resin	Nylon
Net Weight	6.422/g
Number of Rows	4
Orientation	Vertical
Packaging Type	Bag
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
PC Tail Length	4.27mm
Pitch - Mating Interface	6.35mm
Plating min - Termination	3.560µm
Polarized to PCB	Yes
Shrouded	Fully
Temperature Range - Operating	-55° to +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
2.13mm Diameter MLX Power Crimp Housing Plugs	42021