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Part Number: 0432550153
Status: Active
Overview: MLX Power Connectors
Description: 6.35mm Pitch MLX Power Connector Header, 2.13mm Contact Diameter, Vertical, with Plastic Polarizing Peg, 12 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, Natural (Nylon Off Natural), Lead-Free



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PSX-42002-0001-001 (PDF)
- Packaging Specification PK-43255-001-001 (PDF)
- Packaging Specification PK-43255-003-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43255
Application	Board-to-Board, Power, Wire-to-Board
Comments	High Vibration Application
Overview	MLX Power Connectors
Product Name	MLX
UPC	800753948945

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height	30.35mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	6.459/g
Number of Rows	3
Orientation	Vertical
PC Tail Length	4.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	6.35mm
Pitch - Termination Interface	6.35mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C

EU ELV
Not Relevant

EU RoHS | **China RoHS**
Compliant

REACH SVHC
Not Contained Per -ED/01/2018 (15 January 2018)

Halogen-Free Status
Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series
43255 Series

Mates With
42021 MLX Power Crimp Housing Plug, 42023 MLX Crimp Terminal, 42024 MLX Crimp Terminal

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	20.0A, 9.0A
Voltage - Maximum	600V
Solder Process Data	
Lead-freeProcess Capability	WAVE
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-43255-001-001, PK-43255-003-001
Product Specification	PSX-42002-0001-001
Sales Drawing	SDA-43255-00**

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