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Part Number: [0432550043](#)
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, Lead-Free, White

Documents:

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

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43255
3D Viewer	Yes
Application	Board-to-Board, Power, Wire-to-Board
CURRENT-MAX-NUMERIC	20.0, 9.0
Comments	High Vibration Application, High Vibration Application
Overview	MLX Power Connectors
PITCH-MATING-NUMERIC	6.35
Product Name	MLX
UPC	800753183728

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	White
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	7.492/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



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/88/2018 (15
January 2019)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

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

Temperature Range - Operating -55° to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 20.0A, 9.0A
Voltage - Maximum 600V

Solder Process Data

Duration at Max. Process Temperature (seconds) 010
Lead-free Process Capability WAVE
Process Temperature max. C 260

Material Info

Reference - Drawing Numbers

Packaging Specification PK-43255-001-001, PK-43255-003-001
Product Specification PSX-42002-0001-001
Sales Drawing SDA-43255-00XX

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