

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

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)
3D Model (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PSX-42002-0001-001 (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	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
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Through Hole

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ECHA_01_2020 (16
January 2020

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

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

This document was generated on 05/28/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION