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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

Documents:

[Drawing \(PDF\)](#)

[3D Model \(PDF\)](#)

[3D Model](#)

[Product Specification PSX-42002-0001-001 \(PDF\)](#)

[Packaging Specification PK-43255-001-001 \(PDF\)](#)

[Packaging Specification PK-43255-003-001 \(PDF\)](#)

[Datasheet \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980

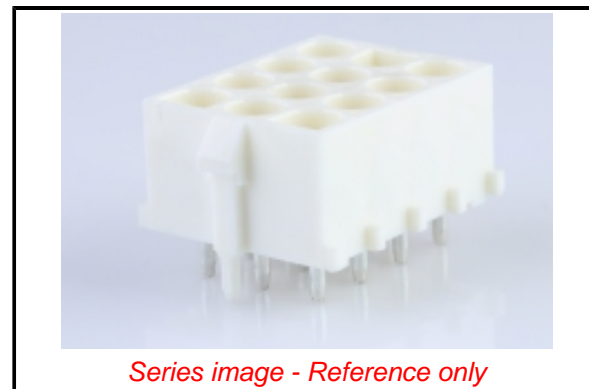
UL E29179

General

Product Family PCB Headers
 Series [43255](#)
 Application Board-to-Board, Power, Wire-to-Board
 Comments High Vibration Application
 Component Type PCB Header
 Overview [MLX Power Connectors](#)
 Product Name MLX
 Taxonomy PCB Headers and Receptacles
 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 D(2022)4187-DC (10
 June 2022)

Halogen-Free

Status

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

Stackable	No
Surface Mount Compatible (SMC)	No
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

Lead-free Process Capability	WAVE
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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-001

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