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Part Number: [0432550145](#)
Status: **Active**
Overview: [MLX Power Connectors](#)
Description: 6.35mm Pitch MLX Power Connector Header, 2.13mm Contact Diameter, Vertical, with Plastic Polarizing Peg, 9 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, Natural (Nylon Off Natural), Lead-Free

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 |
| Application | Board-to-Board, Power, Wire-to-Board |
| Comments | High Vibration Application, High Vibration Application |
| Overview | MLX Power Connectors |
| Product Name | MLX |
| UPC | 800753948938 |

Physical

| | |
|--------------------------------|-----------------|
| Breakaway | No |
| Circuits (Loaded) | 9 |
| Circuits (maximum) | 9 |
| 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 | 5.017/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 |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

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

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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