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Part Number: [0010844120](#)
Status: **Active**
Overview: [MLX Power Connectors](#)
Description: 6.35mm Pitch MLX Power Connector Header, Vertical, 12 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, 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 | 42002 |
| Application | Power, Wire-to-Board |
| Comments | Solder Type |
| Overview | MLX Power Connectors |
| Product Name | MLX |
| UPC | 800753619852 |

Physical

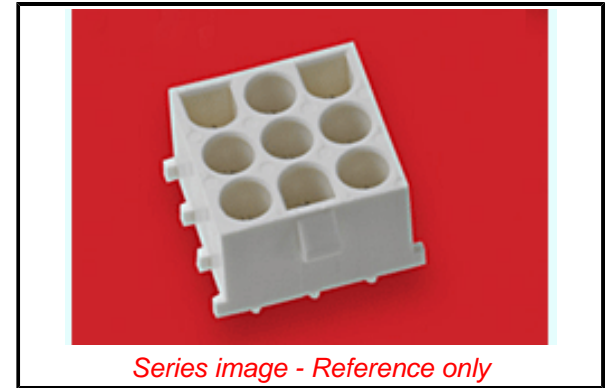
| | |
|--------------------------------|-----------------|
| Breakaway | No |
| Circuits (Loaded) | 12 |
| Circuits (maximum) | 12 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Flammability | 94V-2 |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Resin | Nylon |
| Net Weight | 6.353/g |
| Number of Rows | 3 |
| Orientation | Vertical |
| PC Tail Length | 4.27mm |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.57mm |
| Packaging Type | Bag |
| Pitch - Mating Interface | 6.35mm |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-------------------------------|--------------|
| Current - Maximum per Contact | 13.5A, 20.0A |
|-------------------------------|--------------|

Solder Process Data

| | |
|--|-----|
| Duration at Max. Process Temperature (seconds) | 010 |
|--|-----|



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
ED/61/2018 (27 June
2018)

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

[42002 Series](#)

Mates With

[42021 Plug](#)

Lead-free Process Capability
Process Temperature max. C

WAVE
260

Material Info

Engineering Number

A-42002-12A1A1

Reference - Drawing Numbers

Packaging Specification

PK-43255-001-001, PK-43255-003-001

Product Specification

PSX-42002-0001-001

Sales Drawing

SDA-42002-*****

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