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Part Number:

0010844030

Status:

Active

Overview:

MLX Power Connectors

Description:

6.35mm Pitch MLX Power Connector Header, Vertical, 3 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, White

Documents:

|                                                                |                                                                |
|----------------------------------------------------------------|----------------------------------------------------------------|
| <a href="#">3D Model</a>                                       | <a href="#">Packaging Specification PK-43255-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Packaging Specification PK-43255-003-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Datasheet (PDF)</a>                                |
| <a href="#">Product Specification PSX-42002-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

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            | 800753619548         |

Physical

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 3               |
| Circuits (maximum)             | 3               |
| 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                     | 1.891/g         |
| Number of Rows                 | 1               |
| 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

Halogen-Free

Status

Low-Halogen

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

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

42002 Series

Mates With

42021 Plug

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

## Material Info

Engineering Number A-42002-3A1A1

### Reference - Drawing Numbers

|                         |                                    |
|-------------------------|------------------------------------|
| Packaging Specification | PK-43255-001-001, PK-43255-003-001 |
|-------------------------|------------------------------------|

Product Specification PSX-42002-0001-001

Sales Drawing SDA-42002-XXXXXX-001

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