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Part Number:

0010844152

Status:

Active

Overview:

MLX Power Connectors

Description:

6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn), White, 15 Circuits

- Documents:
- 3D Model

Packaging Specification PK-43255-001-001 (PDF)
- Drawing (PDF)

Packaging Specification PK-43255-003-001 (PDF)
- 3D Model (PDF)

Datasheet (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             | High Vibration Application  |
| Component Type       | PCB Header                  |
| Overview             | MLX Power Connectors        |
| Product Name         | MLX                         |
| Taxonomy             | PCB Headers and Receptacles |
| UPC                  | 800753610613                |

| Physical                       |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 15              |
| Circuits (maximum)             | 15              |
| Color - Resin                  | Natural         |
| Durability (mating cycles max) | 50              |
| Flammability                   | 94V-2           |
| Glow-Wire Capable              | No              |
| Lock to Mating Part            | Yes             |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 8.071/g         |
| Number of Rows                 | 3               |
| Orientation                    | Vertical        |
| PC Tail Length                 | 4.30mm          |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 0.90mm          |
| Packaging Type                 | Carton          |
| Pitch - Mating Interface       | 6.35mm          |
| Polarized to PCB               | Yes             |
| 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 |
| Voltage - Maximum             | 600V         |

Solder Process Data



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 <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

42002 Series

Mates With

42021 , 42023

Duration at Max. Process Temperature (seconds)010  
Lead-freeProcess CapabilityWAVE  
Process Temperature max. C260

**Material Info**

Engineering NumberA-42002-15A2A1

**Reference - Drawing Numbers**

Packaging SpecificationPK-43255-001-001, PK-43255-003-001  
Product SpecificationPSX-42002-0001-001  
Sales DrawingSDA-42002-XXXXX-001

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