



Part Number : [10844032](#)

Product Description : 6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn), White, 3 Circuits

Series Number : 42002

Status : Active

Product Category : PCB Headers and Receptacles

Engineering Number : A-42002-3A2A1



Documents & Resources

Drawings

[010844032_sd.pdf](#)

[PK-43255-001-001.pdf](#)

[PK-43255-003-001.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[PSX-42002-0001-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|--|
| GADSL/IMDS | Not Relevant |
| China RoHS |  per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)4165-DC (25 June 2025) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

| | |
|----------------|--|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 42002 |
| Description | 6.35mm Pitch MLX Power Connector, 2.13mm Contact Diameter, Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn), White, 3 Circuits |
| Application | Power, Wire-to-Board |
| Comments | High Vibration Application |
| Component Type | PCB Header |
| Product Name | MLX |
| UPC | 800753610736 |

Agency

| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

Electrical

| | |
|-------------------------------|--------------|
| Current - Maximum per Contact | 13.5A, 20.0A |
| Voltage - Maximum | 600V |

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 |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 1.960/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Carton |
| PCB Retention | None |
| PCB Thickness - Recommended | 0.90mm |
| PC Tail Length | 4.30mm |
| Pitch - Mating Interface | 6.35mm |
| Plating min - Termination | 3.560µm |
| Polarized to PCB | Yes |
| Temperature Range - Operating | -55° to +105°C |
| Termination Interface Style | Through Hole |

Solder Process Data

| | |
|------------------------------|------|
| Max-Duration | 10 |
| Lead-Free Process Capability | WAVE |
| Max-Temp | 260 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|---|--------------|
| 2.13mm Diameter MLX Power Crimp Housing Plugs | <u>42021</u> |
| MLX Male Crimp Terminals | <u>42023</u> |

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