



**Part Number :** [10844092](#)  
**Product Description :** 6.35mm Pitch MLX  
Power Connector, 2.13mm Contact Diameter,  
Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn),  
White, 9 Circuits  
**Series Number :** 42002  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles  
**Engineering Number :** A-42002-9A2A1



## Documents & Resources

### Drawings

- [010844092\\_sd.pdf](#)
- [PK-43255-001-001.pdf](#)
- [PK-43255-003-001.pdf](#)

### 3D Models and Design Files


- [010844092\\_stp.zip](#)

### Specifications

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

## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 2024)  |
| EU RoHS            | Compliant per EU 2015/863   |

### Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

## Multiple Part Industry Compliance Documents

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

## EU RoHS Certificate of Compliance

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### 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, 9 Circuits |
| Application    | Power, Wire-to-Board   |
| Comments       | High Vibration Application   |
| Component Type | PCB Header   |
| Product Name   | MLX  |
| UPC            | 800753619838   |

#### Agency

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

#### Electrical

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

#### Physical

|                    |         |
|--------------------|---------|
| Breakaway          | No      |
| Circuits (Loaded)  | 9       |
| Circuits (maximum) | 9       |
| 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                     | 5.171/g         |
| Number of Rows                 | 3               |
| Orientation                    | Vertical        |
| Packaging Type                 | Carton          |
| PC Tail Length                 | 4.30mm          |
| PCB Retention                  | None            |
| PCB Thickness - Recommended    | 0.90mm          |
| Pitch - Mating Interface       | 6.35mm          |
| 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  |

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## 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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