



**Part Number :** [10845090](#)  
**Product Description :** 6.35mm Pitch MLX  
Power Connector Header, Vertical, 9 Circuits,  
Polyester 94V-0, Tin (Sn) Plating, White  
**Series Number :** 42002  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles  
**Engineering Number :** 42002-09C1A1



Documents & Resources

**Drawings**  
[010845090\\_sd.pdf](#)  
[PK-43255-001-001.pdf](#)  
[PK-43255-003-001.pdf](#)

**3D Models and Design Files**  
[010845090\\_stp.zip](#)

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

Product Environment Compliance

Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44                                                           |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not 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 Header, Vertical, 9 Circuits, Polyester 94V-0, Tin (Sn) Plating, White |
| Application    | Power, Wire-to-Board                                                                                    |
| Comments       | Solder Type                                                                                             |
| Component Type | PCB Header                                                                                              |
| Product Name   | MLX                                                                                                     |
| UPC            | 800753869080                                                                                            |

#### Agency

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

#### Electrical

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

#### Physical

|                    |         |
|--------------------|---------|
| Breakaway          | No      |
| Circuits (Loaded)  | 9       |
| Circuits (maximum) | 9       |
| Color - Resin      | Natural |

|                                |                 |
|--------------------------------|-----------------|
| Durability (mating cycles max) | 50              |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-0           |
| 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               | Polyester       |
| Net Weight                     | 5.429/g         |
| Number of Rows                 | 3               |
| Orientation                    | Vertical        |
| Packaging Type                 | Bag             |
| PC Tail Length                 | 4.27mm          |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.57mm          |
| Pitch - Mating Interface       | 6.35mm          |
| Pitch - Termination Interface  | 6.35mm          |
| Polarized to PCB               | Yes             |
| Shrouded                       | Fully           |
| 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> |

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