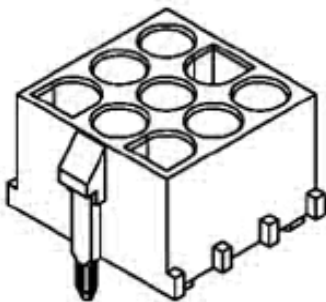




**Part Number :** [365380013](#)  
**Product Description :** MLX Power Connector Header, 6.35mm Pitch, Vertical, with Compliant Polarizing Peg, Polyester 94V-0, Natural (White), 6 Circuits  
**Series Number :** 36538  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

- [365380013 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 | Not Low-Halogen per IEC 61249-2-21                                                                      |
| REACH SVHC         | Not Contained per D(2025)7771-DC (04 Feb 2026)                                                          |
| 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

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## Part Details

### General

|                |                                                                                                                                 |
|----------------|---------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                          |
| Category       | PCB Headers and Receptacles                                                                                                     |
| Series         | 36538                                                                                                                           |
| Description    | MLX Power Connector Header, 6.35mm Pitch, Vertical, with Compliant Polarizing Peg, Polyester 94V-0, Natural (White), 6 Circuits |
| Application    | Power, Wire-to-Board                                                                                                            |
| Component Type | PCB Header                                                                                                                      |
| Product Name   | MLX                                                                                                                             |
| UPC            | 756054324776                                                                                                                    |

### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
|-----|---------|

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 9.0A |
| Voltage - Maximum             | 600V |

### Physical

|                                |                               |
|--------------------------------|-------------------------------|
| Breakaway                      | No                            |
| Circuits Detail                | With Compliant Polarizing Peg |
| Circuits (Loaded)              | 6                             |
| Circuits (maximum)             | 6                             |
| Color - Resin                  | Natural (White)               |
| Durability (mating cycles max) | 50                            |
| First Mate / Last Break        | No                            |
| Glow-Wire Capable              | No                            |
| Guide to Mating Part           | No                            |
| Keying to Mating Part          | No                            |
| Lock to Mating Part            | Yes                           |
| Material - Metal               | Phosphor Bronze               |
| Material - Plating Mating      | Tin                           |
| Material - Plating Termination | Tin                           |
| Material - Resin               | Polyester                     |
| Net Weight                     | 3.872/g                       |
| Number of Rows                 | 3                             |
| Orientation                    | Vertical                      |
| Packaging Type                 | Tray                          |
| PCB Locator                    | Yes                           |
| PCB Retention                  | Yes                           |
| PCB Thickness - Recommended    | 1.57mm                        |
| PC Tail Length                 | 4.30mm                        |
| Pitch - Mating Interface       | 6.35mm                        |
| Pitch - Termination Interface  | 6.35mm                        |
| Plating min - Mating           | 3.556µm                       |
| Plating min - Termination      | 3.556µm                       |
| Polarized to Mating Part       | Yes                           |
| Polarized to PCB               | Yes                           |
| Shrouded                       | Fully                         |
| Stackable                      | No                            |
| 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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This document was generated on Apr 13, 2026