molex



**Part Number :** 10845040
**Product Description :** 6.35mm Pitch MLX Power Connector Header, Vertical, 4 Circuits, Polyester 94V-0, Tin (Sn) Plating, White
**Series Number :** 42002
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** 42002-4C1A1

## Documents and Resources

### Drawings

010845040_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 | Compliant with Exemption 44 |
| 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 |

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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 | 42002 |
| Description | 6.35mm Pitch MLX Power Connector Header, Vertical, 4 Circuits, Polyester 94V-0, Tin (Sn) Plating, White |
| Application | Power, Wire-to-Board |
| Comments | Solder Type |
| Component Type | PCB Header |
| Product Name | MLX |
| UPC | 800754227865 |

### Agency

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

### Electrical

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

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## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| 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 - Plating Termination | Tin |
| Material - Resin | Polyester |
| Net Weight | 2.838/g |
| Number of Rows | 1 |
| Orientation | Vertical |
| Packaging Type | Bag |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| PC Tail Length | 4.27mm |
| Pitch - Mating Interface | 6.35mm |
| Pitch - Termination Interface | 6.35mm |
| Plating min - Termination | 3.560µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Shrouded |
| 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 |

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| | |
|---|---|
| Max-Temp | 260 |

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| 2.13mm Diameter MLX Power Crimp Housing Plugs | 42021 |



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