

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0432550019](#)  
**Status:** **Active**  
**Overview:** [MLX Power Connectors](#)  
**Description:** 6.35mm Pitch MLX Power Connector Header, 2.13mm Contact Diameter, Vertical, with Plastic Polarizing Peg, 4 Circuits, Lead-Free, White

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                       | <a href="#">Packaging Specification PK-43255-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Packaging Specification PK-43255-003-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Datasheet (PDF)</a>                                |
| <a href="#">Product Specification PSX-42002-0001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

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

**General**

|                |                                      |
|----------------|--------------------------------------|
| Product Family | PCB Headers                          |
| Series         | <a href="#">43255</a>                |
| Application    | Board-to-Board, Power, Wire-to-Board |
| Comments       | High Vibration Application           |
| Overview       | <a href="#">MLX Power Connectors</a> |
| Product Name   | MLX                                  |
| UPC            | 800753183704                         |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 4               |
| Circuits (maximum)             | 4               |
| Color - Resin                  | White           |
| Durability (mating cycles max) | 50              |
| First Mate / Last Break        | No              |
| Flammability                   | 94V-0           |
| Glow-Wire Capable              | No              |
| 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                     | 2.933/g         |
| Number of Rows                 | 1               |
| Orientation                    | Vertical        |
| PC Tail Length                 | 4.30mm          |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 6.35mm          |
| Pitch - Termination Interface  | 6.35mm          |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | Yes             |
| Shrouded                       | Fully           |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -55° to +105°C  |
| Termination Interface: Style   | Through Hole    |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[43255](#) Series

**Mates With**

[42021](#) MLX Power Crimp Housing Plug,  
[42023](#) MLX Crimp Terminal, [42024](#) MLX  
Crimp Terminal

**Electrical**

Current - Maximum per Contact 12.0A, 20.0A  
Voltage - Maximum 600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 010  
Lead-free Process Capability WAVE  
Process Temperature max. C 260

**Material Info****Reference - Drawing Numbers**

Packaging Specification PK-43255-001-001, PK-43255-003-001  
Product Specification PSX-42002-0001-001  
Sales Drawing SDA-43255-00XX-001

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