



**Part Number :** [432550083](#)  
**Product Description :** 6.35mm Pitch MLX  
Power Connector Header, 2.13mm Contact  
Diameter, Vertical, with Plastic Polarizing Peg,  
6 Circuits, Polyester 94V-0, Tin (Sn) Plating,  
Natural  
**Series Number :** 43255  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



Documents & Resources


**Drawings**  
[Drawing 432550083\\_sd.pdf](#)  
[Packaging Design Drawing PK-43255-001-001.pdf](#)  
[Packaging Design Drawing PK-43255-003-001.pdf](#)

**3D Models and Design Files**  
[3D Model 432550083\\_stp.zip](#)

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

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 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	43255
Description	6.35mm Pitch MLX Power Connector Header, 2.13mm Contact Diameter, Vertical, with Plastic Polarizing Peg, 6 Circuits, Polyester 94V-0, Tin (Sn) Plating, Natural
Application	Board-to-Board, Power, Wire-to-Board
Comments	High Vibration Application
Component Type	PCB Header
Product Family	MLX Power Connectors
Product Name	MLX
UPC	800754855082

#### Agency

CSA	LR19980
UL	E29179

#### Electrical

Current - Maximum per Contact	20.0A, 9.0A
Voltage - Maximum	600V

#### Physical

Breakaway	No
Circuits (Loaded)	6

Circuits (maximum)	6
Color - Resin	Natural
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
Mated Height	10.16mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Net Weight	3.872/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	4.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	6.35mm
Pitch - Termination Interface	6.35mm
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>
MLX Male Crimp Terminals	<u>42023</u>
MLX Female Crimp Terminals	<u>42024</u>