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Part Number: [43255-0051](#)
Status: **Active**
Overview: MLX™ Power Connectors
Description: 6.35mm Pitch MLX™ Power Connector Header, 2.13mm Contact Diameter, Vertical, with Plastic Polarizing Peg, 15 Circuits, Lead-Free, White

Documents:

[3D Model](#) [Product Specification PSX-42002-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [43255](#)
 Application Board-to-Board, Power, Wire-to-Board
 Comments High Vibration Application
 Overview MLX™ Power Connectors
 Product Name MLX™

Physical

Breakaway No
 Circuits (Loaded) 15
 Circuits (maximum) 15
 Color - Resin White
 Durability (mating cycles max) 50
 First Mate / Last Break No
 Flammability 94V-2
 Glow-Wire Compliant 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
 Number of Rows 3
 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°C to +105°C
 Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 20A, 9A



EU RoHS

**ELV and RoHS
 Compliant**
**REACH SVHC
 Not Reviewed**
**Low-Halogen Status
 Not Reviewed**

China RoHS



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 environmental compliance?**

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[43255Series](#)

Mates With

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

Voltage - Maximum

600V

Material Info

Reference - Drawing Numbers

Product Specification

PSX-42002-0001

Sales Drawing

SD-36757-001, SD-36757-002, SDA-43255-00**

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