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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:

[3D Model](#) [Product Specification PSX-42002-0001-001 \(PDF\)](#)
[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™
 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 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
 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°C to +105°C
 Termination Interface: Style Through Hole

Electrical



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
 -ED/01/2017 (12
 January 2017)

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS Green Image
 ELV Not Relevant
 RoHS Phthalates 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

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**

Product Specification	PSX-42002-0001-001
Sales Drawing	SDA-43255-00**

This document was generated on 07/25/2017

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