

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0432550147](#)
Status: **Active**
Overview: [MLX™ Power Connectors](#)
Description: 6.35mm Pitch MLX™ Power Connector Header, 2.13mm Contact Diameter, Vertical, with Plastic Polarizing Peg, 9 Circuits, Lead-Free, Natural

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 822348236961

Physical

Breakaway No
 Circuits (Loaded) 9
 Circuits (maximum) 9
 Color - Resin Natural
 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 Nylon
 Net Weight 5.224/g
 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



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

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	20.0A, 9.0A
Voltage - Maximum	600V

Solder Process Data

Lead-free Process Capability	N/A
------------------------------	-----

Material Info

Reference - Drawing Numbers

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

This document was generated on 07/24/2017

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION