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Part Number: [0010844042](#)
Status: **Active**
Overview: [MLX™ Power Connectors](#)
Description: 6.35mm Pitch MLX™ Power Connector, 2.13mm Contact Diameter, Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn), White, 4 Circuits

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 [42002](#)
 Application Power, Wire-to-Board
 Comments High Vibration Application
 Overview [MLX™ Power Connectors](#)
 Product Name MLX™
 UPC 800753610798

Physical

Breakaway No
 Circuits (Loaded) 4
 Circuits (maximum) 4
 Color - Resin Natural
 Durability (mating cycles max) 50
 Flammability 94V-2
 Glow-Wire Compliant No
 Lock to Mating Part Yes
 Material - Metal Phosphor Bronze
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Material - Resin Nylon
 Net Weight 2.564/g
 Number of Rows 1
 Orientation Vertical
 PC Tail Length 4.30mm
 PCB Retention None
 PCB Thickness - Recommended 0.90mm
 Packaging Type Carton
 Pitch - Mating Interface 6.35mm
 Polarized to PCB Yes
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating -55°C to +105°C
 Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 13.5A, 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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
 ED/30/2017 (7 July
 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

[42002 Series](#)

Mates With

[42021](#) , [42023](#)

Material Info

Engineering Number

A-42002-4A2A1

Reference - Drawing Numbers

Product Specification

PSX-42002-0001-001

Sales Drawing

SDA-42002-*****

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