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Part Number: [10-84-4120](#)
Status: **Active**
Overview: MLX™ Power Connectors
Description: 6.35mm Pitch MLX™ Power Connector Header, Vertical, 12 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, White

Documents:

[3D Model](#) [Product Specification PS-42022-0001 \(PDF\)](#)
[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 Solder Type
 Overview MLX™ Power Connectors
 Product Name MLX™
 UPC 800753619852

Physical

Breakaway No
 Circuits (Loaded) 12
 Circuits (maximum) 12
 Color - Resin Natural
 Durability (mating cycles max) 50
 First Mate / Last Break No
 Flammability 94V-2
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Keying to Mating Part Yes
 Lock to Mating Part Yes
 Material - Metal Phosphor Bronze
 Material - Plating Mating Tin
 Material - Resin Nylon
 Net Weight 6.353/g
 Number of Rows 3
 Orientation Vertical
 PC Tail Length 4.27mm
 PCB Retention Yes
 PCB Thickness - Recommended 1.57mm
 Packaging Type Bag
 Pitch - Mating Interface 6.35mm
 Polarized to PCB Yes
 Shrouded Fully
 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, 20A

Solder Process Data

Duration at Max. Process Temperature (seconds) 10



EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Low-Halogen Status Low-Halogen

China RoHS



Need more information on product 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

[42002Series](#)

Mates With

[42021 Plug](#)

Lead-free Process Capability
Process Temperature max. C

Wave Capable (TH only)
260

Material Info

Old Part Number

A-42002-12A1A1

Reference - Drawing Numbers

Product Specification

PS-42022-0001

Sales Drawing

SDA-42002-*****

This document was generated on 10/10/2014

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