

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [10-84-4040](#)  
**Status:** **Active**  
**Overview:** [MLX™ Power Connectors](#)  
**Description:** 6.35mm Pitch MLX™ Power Connector Header, Vertical, 4 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 800753610774

**Physical**

Breakaway No  
 Circuits (Loaded) 4  
 Circuits (maximum) 4  
 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 2.472/g  
 Number of Rows 1  
 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, 20.0A

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 10



image - Reference only

**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](mailto: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-42002-4A1A1

**Reference - Drawing Numbers**

Product Specification

PS-42022-0001

Sales Drawing

SDA-42002-\*\*\*\*\*

This document was generated on 04/24/2015

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**