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Part Number: [36759-0143](#)
Status: **Active**
Overview: MLX™ Power Connectors
Description: 6.35mm Pitch MLX™ Power Connector Header with Socket Terminal, Vertical, 4 Circuits, Nylon 6/6 94V-2, Tin (Sn) Plating, Black, Lead-Free

Documents:

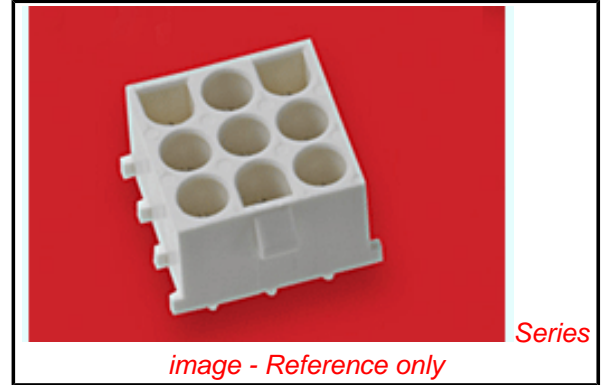
[Drawing \(PDF\)](#) [Product Specification PSX-42002-0001 \(PDF\)](#)
[Product Specification PS-42022-0001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General

| | |
|----------------|--|
| Product Family | PCB Headers |
| Series | <u>42002</u> |
| Application | Power, Wire-to-Board |
| Comments | "This Molex product is manufactured from material that has the following ratings, tested by independent agencies:. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. <P><P> The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options." |
| Overview | <u>MLX™ Power Connectors</u> |
| Product Name | MLX™ |
| UPC | 884982508972 |

Physical

| | |
|--------------------------------|----------|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Glow-Wire Compliant | Yes |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Plating Mating | Tin |
| Material - Resin | Nylon |
| Number of Rows | 1 |
| Orientation | Vertical |
| PC Tail Length | 4.27mm |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Bag |
| Pitch - Mating Interface | 6.35mm |



EU RoHS

ELV and RoHS Compliant
REACH SVHC Not Reviewed
Low-Halogen Status Not Reviewed

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](#)

| | |
|--------------------------------|-----------------|
| 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 |
| Voltage - Maximum | 600V |

Material Info**Reference - Drawing Numbers**

| | |
|-----------------------|-------------------------------|
| Product Specification | PS-42022-0001, PSX-42002-0001 |
| Sales Drawing | SDA-42002-***** |

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