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Part Number:

0010844090

Status:

Active

Overview:

MLX Power Connectors

Description:

6.35mm Pitch MLX Power Connector Header, Vertical, 9 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, White

Documents:

3D Model

Drawing (PDF)

3D Model (PDF)

Product Specification PSX-42002-0001-001 (PDF)

Packaging Specification PK-43255-001-001 (PDF)

Packaging Specification PK-43255-003-001 (PDF)

Datasheet (PDF)

RoHS Certificate of Compliance (PDF)



Series image - Reference only

| 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                            | 800753610484         |
| 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 Capable              | 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                     | 4.921/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° to +105°C       |
| Termination Interface: Style   | Through Hole         |

Electrical

Current - Maximum per Contact

13.5A, 20.0A

Solder Process Data

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

42002 Series

Mates With

42021 Plug

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 010  |
| Lead-freeProcess Capability                    | WAVE |
| Process Temperature max. C                     | 260  |

**Material Info**

|                    |               |
|--------------------|---------------|
| Engineering Number | A-42002-9A1A1 |
|--------------------|---------------|

**Reference - Drawing Numbers**

|                         |                                    |
|-------------------------|------------------------------------|
| Packaging Specification | PK-43255-001-001, PK-43255-003-001 |
| Product Specification   | PSX-42002-0001-001                 |
| Sales Drawing           | SDA-42002-XXXXX-001                |

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