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Part Number:

43255-0099

Status:

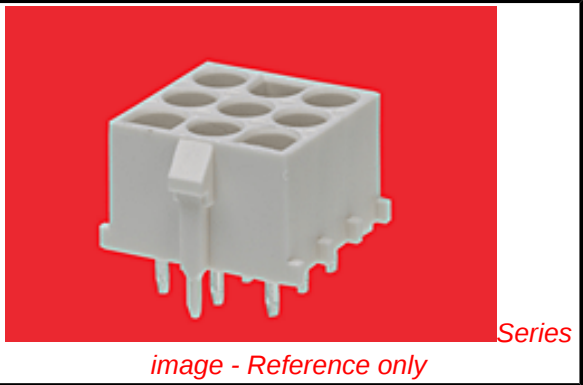
Active

Overview:

MLX™ Power Connectors

Description:

6.35mm Pitch MLX™ Power Connector Header, 2.13mm Contact Diameter, Vertical, with Plastic Polarizing Peg, 12 Circuits, Polyester 94V-0, Gold (Au) Selective Plating, Natural



Documents:

3D Model

Drawing (PDF)

Product Specification PSX-42002-0001 (PDF)

RoHS Certificate of Compliance (PDF)

| Agency Certification           |  |                                      |
|--------------------------------|--|--------------------------------------|
| CSA                            |  | LR19980                              |
| UL                             |  | E29179                               |
| General                        |  |                                      |
| Product Family                 |  | PCB Headers                          |
| Series                         |  | 43255                                |
| Application                    |  | Board-to-Board, Power, Wire-to-Board |
| Comments                       |  | High Vibration Application           |
| Overview                       |  | MLX™ Power Connectors                |
| Product Name                   |  | MLX™                                 |
| UPC                            |  | 800754848824                         |
| 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                                   |
| Keying to Mating Part          |  | Yes                                  |
| Lock to Mating Part            |  | Yes                                  |
| Mated Height                   |  | 30.35mm                              |
| Material - Metal               |  | Phosphor Bronze                      |
| Material - Plating Mating      |  | Tin                                  |
| Material - Plating Termination |  | Tin                                  |
| Material - Resin               |  | Polyester                            |
| Net Weight                     |  | 7.216/g                              |
| Number of Rows                 |  | 3                                    |
| Orientation                    |  | Vertical                             |
| PC Tail Length                 |  | 4.30mm                               |
| PCB Locator                    |  | Yes                                  |
| PCB Retention                  |  | Yes                                  |
| PCB Thickness - Recommended    |  | 1.60mm                               |
| Packaging Type                 |  | Tray                                 |
| Pitch - Mating Interface       |  | 6.35mm                               |
| Pitch - Termination Interface  |  | 6.35mm                               |
| Polarized to Mating Part       |  | Yes                                  |
| Polarized to PCB               |  | Yes                                  |
| Shrouded                       |  | Fully                                |
| Stackable                      |  | No                                   |
| Surface Mount Compatible (SMC) |  | No                                   |
| Temperature Range - Operating  |  | -55°C to +105°C                      |

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Not 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

43255Series

Mates With

42021 MLX™ Power Crimp Housing Plug, 42023 MLX Crimp Terminal, 42024 MLX Crimp Terminal

|                                                |                        |
|------------------------------------------------|------------------------|
| Termination Interface: Style                   | Through Hole           |
| <b>Electrical</b>                              |                        |
| Current - Maximum per Contact                  | 20A, 9A                |
| Voltage - Maximum                              | 600V                   |
| <b>Solder Process Data</b>                     |                        |
| Duration at Max. Process Temperature (seconds) | 10                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Process Temperature max. C                     | 260                    |
| <b>Material Info</b>                           |                        |
| <b>Reference - Drawing Numbers</b>             |                        |
| Product Specification                          | PSX-42002-0001         |
| Sales Drawing                                  | SDA-43255-00**         |

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