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Part Number: 0432550161

Status: **Active**

MLX Power Connectors Overview:

Description: 6.35mm Pitch MLX Power Connector Header, 2.13mm Contact Diameter, Vertical, with

Plastic Polarizing Peg, 15 Circuits, Polyester 94V-0, Tin Plating, Natural (Translucent),

Lead-Free

Documents:

3D Model Packaging Specification PK-43255-001-001 (PDF) Packaging Specification PK-43255-003-001 (PDF) Drawing (PDF)

Product Specification PSX-42002-0001-001 (PDF) RoHS Certificate of Compliance (PDF)

Agency Certification

CSA LR19980 UL E29179

General

PCB Headers Product Family

Series 43255

Application Board-to-Board, Power, Wire-to-Board Comments

"""""High Vibration Application<P><P>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.""""""

MLX Power Connectors Overview

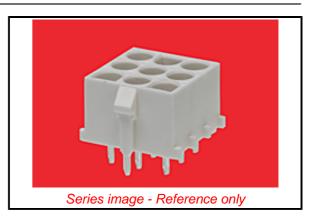
Product Name MLX

UPC 800753948952

Physical

Breakaway No Circuits (Loaded) 15 Circuits (maximum) 15 Color - Resin Natural Durability (mating cycles max) 50 First Mate / Last Break No Flammability 94V-2 Glow-Wire Capable No Keying to Mating Part Yes Lock to Mating Part Yes Mated Height 30.35mm Material - Metal Phosphor Bronze

Material - Plating Mating Tin



EU ELV

Not Relevant

EU RoHS China RoHS

Compliant

REACH SVHC

Not Contained Per -ED/61/2018 (27 June

2018)

Halogen-Free

Status

Low-Halogen

For more information, please visit Contact US

China ROHS Green Image **ELV** Not Relevant **RoHS Phthalates** Not Contained

Search Parts in this Series

43255 Series

Mates With

42021 MLX Power Crimp Housing Plug, 42024 MLX Crimp Terminal

Material - Plating Termination Tin Material - Resin Nylon Net Weight 7.905/g Number of Rows Orientation Vertical PC Tail Length 4.30mm PCB Locator Yes **PCB** Retention Yes PCB Thickness - Recommended 1.57mm 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° to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 20.0A, 9.0A Voltage - Maximum 600V

Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-freeProcess Capability

Process Temperature max. C

010

WAVE

260

Material Info

Reference - Drawing Numbers

Packaging Specification PK-43255-001-001, PK-43255-003-001

Product Specification PSX-42002-0001-001 Sales Drawing SDA-43255-00**

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