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Part Number: 0432550161
Status: Active
Overview: MLX Power Connectors
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



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PSX-42002-0001-001 (PDF)
- Packaging Specification PK-43255-001-001 (PDF)
- Packaging Specification PK-43255-003-001 (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<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."""""""""
Overview	MLX Power Connectors
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/01/2018 (15 January 2018)

Halogen-Free Status
Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the Contact Us section for any non-product compliance questions.

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	3
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°C 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)	010
Lead-freeProcess Capability	WAVE
Process Temperature max. C	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**