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Part Number:

43255-0011

Status:

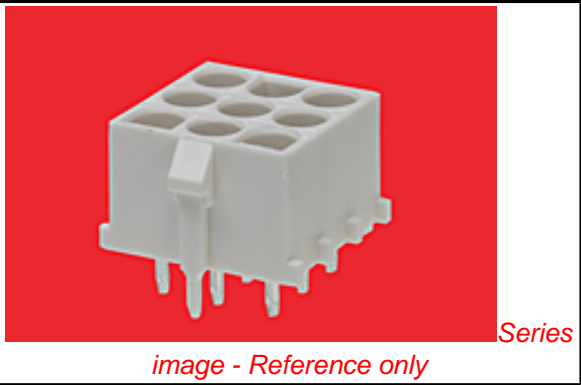
Active

Overview:

MLX™ Power Connectors

Description:

6.35mm Pitch MLX™ Power Connector Header, 2.13mm Contact Diameter, Vertical, with Plastic Polarizing Peg, 3 Circuits, Lead-Free, White



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 <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 IEC60695-2-13.. 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	<a href="#">MLX™ Power Connectors</a>
Product Name	MLX™
UPC	800753183681

Physical	
Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	White
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester

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](#)

Net Weight	2.302/g
Number of Rows	1
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
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	12A, 20A
Voltage - Maximum	600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

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

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