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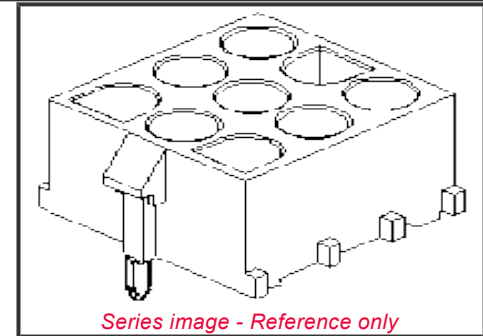
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**Part Number:**  
**0432550099**

**Status:**  
**Active**

**Overview:**  
**MLX**

**Description:**  
6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Plastic Polarizing Peg, 12 Circuits, Polyester 94V-0, Gold (Au) Selective Plating, White



**Documents:** *Note - Please disable browser pop-up blockers for documents on www.molex.com*

[Drawing \(PDF\)](#)

[Product Specification PSX-42002-0001 \(PDF\)](#)

[3D Model](#)

**EU RoHS**  
**ELV and RoHS**  
**Compliant**

**China RoHS**



**REACH SVHC**  
**Contains SVHC: No**

**Halogen-Free**  
**Status**  
**Not Reviewed**

**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 PlugLink:[42024](#) MLX Crimp Terminal**Order Products:****Part Detail:** ([show all](#))[General](#)[Physical](#)[Electrical](#)[Agency Certification](#)[Solder Process Data](#)[Material Info](#)[Reference - Drawing Numbers](#)**General**

Product Family	PCB Headers
Series	<a href="#">43255</a>
Application	Wire-to-Board
Comments	High Vibration Application
Overview	<a href="#">MLX</a>
Product Name	MLX™

**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
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height (in)	1.195 In
Mated Height (mm)	30.35 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Polyester
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.170 In
PC Tail Length (mm)	4.32 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.250 In
Pitch - Mating Interface (mm)	6.35 mm
Pitch - Term. Interface (in)	0.250 In
Pitch - Term. Interface (mm)	6.35 mm
Plating min: Mating (µin)	140
Plating min: Mating (µm)	3.5
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**(Please review the Product Specification for specific details.)

Current - Maximum per Contact 9A

Voltage - Maximum 600V

**Agency Certification**

CSA LR19980

UL E29179

**Solder Process Data**Duration at Max. Process Temperature 10  
(seconds)

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\*\*