



**Distributor of Molex Connector Corporation: Excellent Integrated System Limited**

Datasheet of 0432550043 - Connector Header 12 Position 0.250" (6.35mm) Tin Through Hole

Contact us: [sales@integrated-circuit.com](mailto:sales@integrated-circuit.com) Website: [www.integrated-circuit.com](http://www.integrated-circuit.com)

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## **Excellent Integrated System Limited**

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)  
[0432550043](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

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**Part Number:** [0432550043](#)  
**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, Lead-Free, White

**Documents:**

[3D Model](#) [Product Specification PSX-42002-0001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [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 800753183728

**Physical**

Breakaway No  
 Circuits (Loaded) 12  
 Circuits (maximum) 12  
 Color - Resin White  
 Durability (mating cycles max) 50  
 First Mate / Last Break No  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 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  
 Net Weight 7.492/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  
 Termination Interface: Style Through Hole

**Electrical**



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per

-ED/79/2015 (17

December 2015)

**Halogen-Free**

**Status**

**Not Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

Green Image

ELV

Not Relevant

**Search Parts in this Series**

[43255 Series](#)

**Mates With**

[42021 MLX™ Power Crimp Housing Plug](#),  
[42023 MLX Crimp Terminal](#), [42024 MLX Crimp Terminal](#)



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

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	WAVE
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

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

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