

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0432550129](#)  
**Status:** **Active**  
**Overview:** [mlx](#)  
**Description:** 6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Plastic Polarizing Peg, 4 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, Natural (Nylon Off White)

**Documents:**

[3D Model](#) [Product Specification PSX-42002-0001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

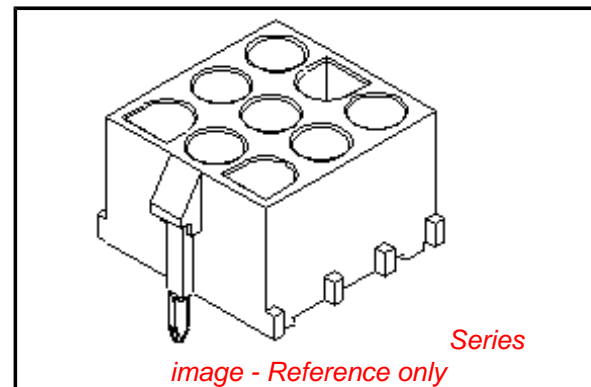
CSA LR19980  
 UL E29179

**General**

Product Family PCB Headers  
 Series [43255](#)  
 Application Wire-to-Board  
 Comments High Vibration Application  
 Overview [mlx](#)  
 Product Name MLX™

**Physical**

Breakaway No  
 Circuits (Loaded) 4  
 Circuits (maximum) 4  
 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 Nylon  
 Number of Rows 1  
 Orientation Vertical  
 PC Tail Length (in) 0.169 In  
 PC Tail Length (mm) 4.30 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



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Halogen-Free Status**  
**Not Reviewed**

**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.](#)  
[42024 MLX Crimp Terminal](#)

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	15A
Voltage - Maximum	600V

**Solder Process Data**

Lead-free Process Capability	Wave Capable (TH only)
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**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-43255-001
Product Specification	PSX-42002-0001

This document was generated on 05/24/2010

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ITEM NO.	CIRCUIT SIZE	MATERIAL COLOR (SEE NOTE 1)	PIN (1) OR SOCKET (2) TERMINALS	TERMINAL PLATING (SEE NOTE 2)	TERMINAL LENGTH (SEE NOTE 3)	"A" DIM ±.015
43255-0057	2	A	2	A	1	.17/(4,3)
43255-0058		A	2	B	1	
43255-0059		B	1	A	1	
43255-0060		B	1	B	1	
43255-0061		A	2	A	2	.23/(5,8)
43255-0062		A	2	B	2	
43255-0063	B	1	A	2		
43255-0064	B	1	B	2		
43255-0065	3	A	2	A	1	.17/(4,3)
43255-0066		A	2	B	1	
43255-0067		B	1	A	1	
43255-0068		B	1	B	1	
43255-0069		A	2	A	2	.23/(5,8)
43255-0070		A	2	B	2	
43255-0071	B	1	A	2		
43255-0072	B	1	B	2		
43255-0073	4	A	2	A	1	.17/(4,3)
43255-0074		A	2	B	1	
43255-0075		B	1	A	1	
43255-0076		B	1	B	1	
43255-0077		A	2	A	2	.23/(5,8)
43255-0078		A	2	B	2	
43255-0079	B	1	A	2		
43255-0080	B	1	B	2		
43255-0081	6	A	2	A	1	.17/(4,3)
43255-0082		A	2	B	1	
43255-0083		B	1	A	1	
43255-0084		B	1	B	1	
43255-0085		A	2	A	2	.23/(5,8)
43255-0086		A	2	B	2	
43255-0087	B	1	A	2		
43255-0088	B	1	B	2		
43255-0089	9	A	2	A	1	.17/(4,3)
43255-0090		A	2	B	1	
43255-0091		B	1	A	1	
43255-0092		B	1	B	1	
43255-0093		A	2	A	2	.23/(5,8)
43255-0094		A	2	B	2	
43255-0095	B	1	A	2		
43255-0096	B	1	B	2		
43255-0097	12	A	2	A	1	.17/(4,3)
43255-0098		A	2	B	1	
43255-0099		B	1	A	1	
43255-0100		B	1	B	1	
43255-0101		A	2	A	2	.23/(5,8)
43255-0102		A	2	B	2	
43255-0103	B	1	A	2		
43255-0104	B	1	B	2		
43255-0105	15	A	2	A	1	.17/(4,3)
43255-0106		A	2	B	1	
43255-0107		B	1	A	1	
43255-0108		B	1	B	1	
43255-0109		A	2	A	2	.23/(5,8)
43255-0110		A	2	B	2	
43255-0111	B	1	A	2		
43255-0112	B	1	B	2		

RoHS COMPLIANT

EC No: 2007-0146 DRAWN BY: DRINJANG 2006/11/03 CHECKED BY: CHIKOSUDHIR 2006/11/03 APPROVED BY: APPR:SSUDHIR 2006/11/03 REV: E1	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
				IN/MM		---	INCH	
		4 PLACES ±---	±---	DRAWN BY	DATE	TITLE		
		3 PLACES ±---	±---	SSUDHIR	2004/06/08	HEADER HOUSING ASSEMBLY		
2 PLACES ±---	±---	CHECKED BY	DATE	COMPLIANT-POLARIZING PEG				
1 PLACE ±---	±---	GJLOWE	2004/06/08	MOLEX INCORPORATED				
ANGULAR ±---°		APPROVED BY	DATE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		GJLOWE	2004/06/08	SEE CHART	SDA-43255-00**	3 OF 4		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								