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Part Number: [0432550131](#)
Status: **Active**
Description: 6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm (.084") Contact Diameter, Vertical, with Plastic Polarizing Peg, 4 Circuits, Lead free

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 Receptacles
 Series [43255](#)
 Application Wire-to-Board
 Comments High Vibration Application
 Product Name MLX™

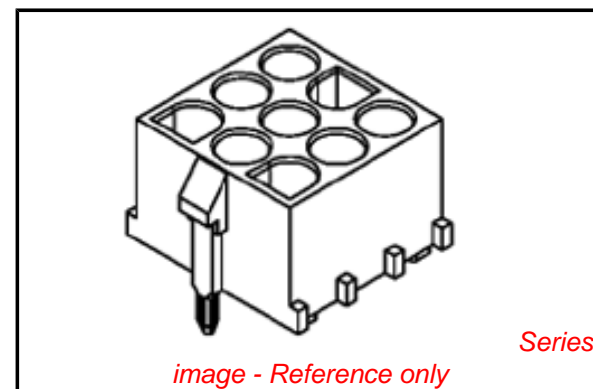
Physical

Circuits (Loaded) 4
 Color - Resin Natural
 Durability (mating cycles max) 50
 Flammability 94V-2
 Glow-Wire Compliant No
 Lock to Mating Part Yes
 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
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 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 13.5A
 Voltage - Maximum 600V

Material Info



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
 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](#) , [42023](#)

Reference - Drawing Numbers

Product Specification

PSX-42002-0001

This document was generated on 04/20/2010

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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	0.84/(2,13) DIA. SERIES				
1 PLACE ±---	±---	GJLOWE	2004/06/08	COMPLIANT-POLARIZING PEG				
ANGULAR ±---°		APPROVED BY	DATE	MOLEX INCORPORATED				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		GJLOWE	2004/06/08	MATERIAL NO.	DOCUMENT NO.	SHEET NO.		
		SEE CHART		SDA-43255-00**		3 OF 4		
		SIZE A1	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					