

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

**Part Number:** **0432550168**  
**Status:** **Active**  
**Overview:** [mlx](#)  
**Description:** 6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm (.084") Contact Diameter, Vertical, with Plastic Polarizing Peg, 15 Circuits

**Documents:**

[3D Model](#) [Product Specification PSX-42002-0002 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

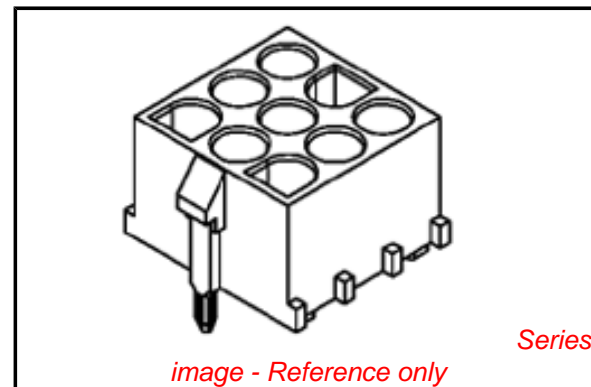
Product Family PCB Receptacles  
 Series [43255](#)  
 Application Wire-to-Board  
 Comments High Vibration Application  
 Overview [mlx](#)  
 Product Name MLX™

**Physical**

Circuits (Loaded) 15  
 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 Gold  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Number of Rows 3  
 Orientation Vertical  
 PC Tail Length (in) 0.228 In  
 PC Tail Length (mm) 5.80 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 9A  
 Voltage - Maximum 600V



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Not Reviewed**  
**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](#) , [42023](#)

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PSX-42002-0002

This document was generated on 05/21/2010

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

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																	
		<table border="1"> <tr><th></th><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>±----</td><td>±----</td></tr> <tr><td>3 PLACES</td><td>±----</td><td>±----</td></tr> <tr><td>2 PLACES</td><td>±----</td><td>±----</td></tr> <tr><td>1 PLACE</td><td>±----</td><td>±----</td></tr> </table>		mm	INCH	4 PLACES	±----	±----	3 PLACES	±----	±----	2 PLACES	±----	±----	1 PLACE	±----	±----	IN/MM	---	INCH			
		mm	INCH																				
	4 PLACES	±----	±----																				
3 PLACES	±----	±----																					
2 PLACES	±----	±----																					
1 PLACE	±----	±----																					
DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	<table border="1"> <tr><th>DRAWN BY</th><th>DATE</th><th>TITLE</th></tr> <tr><td>SSUDHIR</td><td>2004/06/08</td><td>HEADER HOUSING ASSEMBLY</td></tr> <tr><th>CHECKED BY</th><th>DATE</th><td></td></tr> <tr><td>GJLOWE</td><td>2004/06/08</td><td>0.84/(2,13) DIA. SERIES</td></tr> <tr><th>APPROVED BY</th><th>DATE</th><td></td></tr> <tr><td>GJLOWE</td><td>2004/06/08</td><td>COMPLIANT-POLARIZING PEG</td></tr> </table>	DRAWN BY	DATE	TITLE	SSUDHIR	2004/06/08	HEADER HOUSING ASSEMBLY	CHECKED BY	DATE		GJLOWE	2004/06/08	0.84/(2,13) DIA. SERIES	APPROVED BY	DATE		GJLOWE	2004/06/08	COMPLIANT-POLARIZING PEG	MOLEX INCORPORATED		
DRAWN BY	DATE	TITLE																					
SSUDHIR	2004/06/08	HEADER HOUSING ASSEMBLY																					
CHECKED BY	DATE																						
GJLOWE	2004/06/08	0.84/(2,13) DIA. SERIES																					
APPROVED BY	DATE																						
GJLOWE	2004/06/08	COMPLIANT-POLARIZING PEG																					
		MATERIAL NO. SEE CHART	DOCUMENT NO. SDA-43255-00**	SHEET NO. 3 OF 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		