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Part Number: [0432550003](#)
Status: **Active**
Description: 6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm (.084") Contact Diameter, Vertical, with Plastic Polarizing Peg, 2 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) 2
Color - Resin White
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 Polyester
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

Solder Process Data

Duration at Max. Process Temperature (seconds) 10

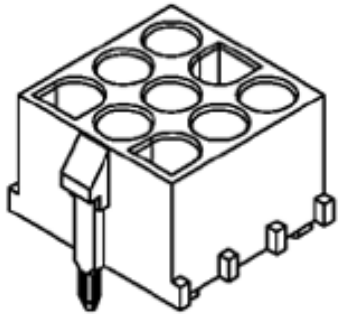


image - Reference only

Series

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](#)

Lead-free Process Capability
Process Temperature max. C

Wave Capable (TH only)
260

Material Info

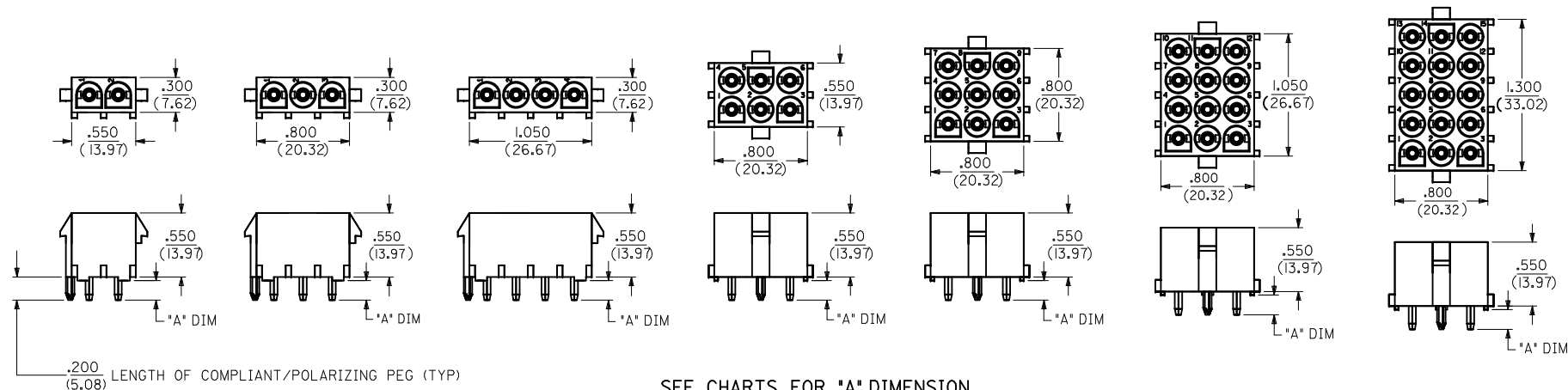
Reference - Drawing Numbers

Product Specification
Sales Drawing

PSX-42002-0001
SDA-43255-00**

This document was generated on 04/20/2010

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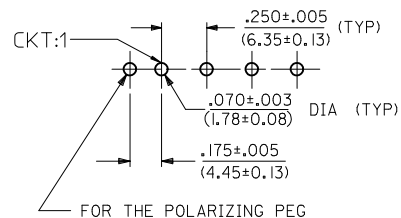


SEE CHARTS FOR 'A' DIMENSION

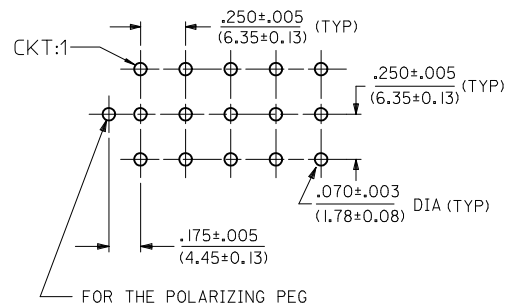
(THE 'A' DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

P.C. BOARD MOUNTING DIMENSIONS

2, 3, & 4 POSITION HEADER ASSEMBLIES



6, 9, 12 & 15 POSITION HEADER ASSEMBLIES



NOTES:

1) MATERIAL CODES:

- 'A'= UNREINFORCED POLYESTER, 94V-0. COLOR: WHITE
- 'C'= NYLON (PA66), UL94V-2. COLOR: NATURAL-TRANSLUCENT
- 'D'= NYLON, V-2, COLOUR: BLACK (ZYTEL 101F)
- 'E'= PA6, SCHULAMID V-2 GRADE, CTI=325V, GLOW WIRE COMPATIBLE COLOUR: NATURAL-WHITE

2) PLATING CODES:

- 'A' = TIN 140 m.l.(3.50 MICRONS) TO 240 m.l (6.00 MICRONS)

3) TERMINAL LENGTH CODES:

- I= TERMINAL FOR .062/(1.57) THICK PC BOARD

4) DIMENSIONS ARE FOR REFERENCE ONLY UNLESS INDICATED OTHERWISE.

5) HEADER ASSEMBLY HOUSINGS MATE WITH :

- PLUG HOUSINGS, .084/(2.13) DIA, SERIES: (4202I-**)

6) CONTACTS ARE ON .250/(6.35) GRID CENTERLINE SPACING.

7) PACKAGING SPECIFICATION:

- 'A' - PK-43255-001, PK-43255-002, PK-43255-003
- 'B' - PK-36518-292

RoHS COMPLIANT

ENTER DESCRIPTION EC NO: 12010-0191 DRWN:HMR01 CHKD:KPRASAD APPR:KPRASAD 2009/12/31 2010/01/05 2010/01/13		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		▽=0		mm INCH		DRAWN BY DATE		TITLE		HEADER HOUSING ASSEMBLY .084/(2.13) SERIES COMPLIANT-POLARIZING PEG	
		▽=0		4 PLACES ± --- ± ---		SUDHIR 2004/06/08					
				3 PLACES ± --- ± 0.005		CHECKED BY DATE					
				2 PLACES ± 0.13 ± 0.01		GJLOWE 2004/06/08					
				1 PLACE ± 0.25 ± ---		APPROVED BY DATE					
				ANGULAR ±1/2°		GJLOWE 2004/06/08		molex MOLEX INCORPORATED			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SEE CHART		SDA-43255-00**		1 OF 2	
						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		A2									

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																															
		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	PACKAGING (SEE NOTE 7)																																										
M		43255-0003	2	A	2	A		.17/(14,3)	A												M																														
		43255-0059		A	1	A			A																																										
		43255-0113		C	1	A			A																																										
		43255-0115		C	2	A			A																																										
		36759-0021		D	1	A			A																																										
		36759-0061		D	2	A			A																																										
L		36757-0021	3	E	1	A			A												L																														
		36757-0061		E	2	A			A																																										
		43255-0011		A	2	A		.17/(14,3)	A																																										
		43255-0067		A	1	A			A																																										
		43255-0121		C	1	A			A																																										
		43255-0123		C	2	A			A																																										
K		36759-0022	4	D	1	A			A												K																														
		36759-0062		D	2	A			A																																										
		36757-0022		E	1	A			A																																										
		36757-0062		E	2	A			A																																										
		43255-0019		A	2	A		.17/(14,3)	A																																										
		43255-0075		A	1	A			A																																										
J		43255-0129	6	C	1	A			A												J																														
		43255-0131		C	2	A			A																																										
		36759-0023		D	1	A			A																																										
		36759-0063		D	2	A			A																																										
		36757-0023		E	1	A			A																																										
		36757-0063		E	2	A			A																																										
I		43255-0027	9	A	2	A		.17/(14,3)	A												I																														
		43255-0083		A	1	A			A																																										
		43255-0137		C	1	A			A																																										
		43255-0139		C	2	A			A																																										
		36759-0024		D	1	A			A																																										
		36759-0064		D	2	A			A																																										
H		36757-0024	12	E	1	A			A												H																														
		36757-0064		E	2	A			A																																										
		43255-0035		A	2	A		.17/(14,3)	A																																										
		43255-0091		A	1	A			A																																										
		43255-0145		C	1	A			A																																										
		43255-0147		C	2	A			A																																										
G		36759-0025	15	D	1	A			A												G																														
		36759-0065		D	2	A			A																																										
		36757-0025		E	1	A			A																																										
		36757-0065		E	2	A			A																																										
		43255-0043		A	2	A		.17/(14,3)	A																																										
		43255-0099		A	1	A			A																																										
F		43255-0153	2	C	1	A			A												F																														
		43255-0155		C	2	A			A																																										
		36759-0026		D	1	A			A																																										
		36759-0066		D	2	A			A																																										
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E		43255-0051	3	A	2	A		.17/(14,3)	A												E																														
		43255-0107		A	1	A			A																																										
		43255-0161		C	1	A			A																																										
		43255-0163		C	2	A			A																																										
		36759-0027		D	1	A			A																																										
		36759-0067		D	2	A			A																																										
D		36757-0027	4	E	1	A			A												D																														
		36757-0067		E	2	A			A																																										
		36766-0001		C	1	A		.17/(14,3)	B																																										
		36766-0002		C	1	A			B																																										
		36766-0003		C	1	A			B																																										
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RoHS COMPLIANT



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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