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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

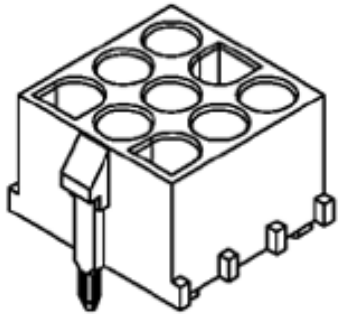


image - Reference only

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

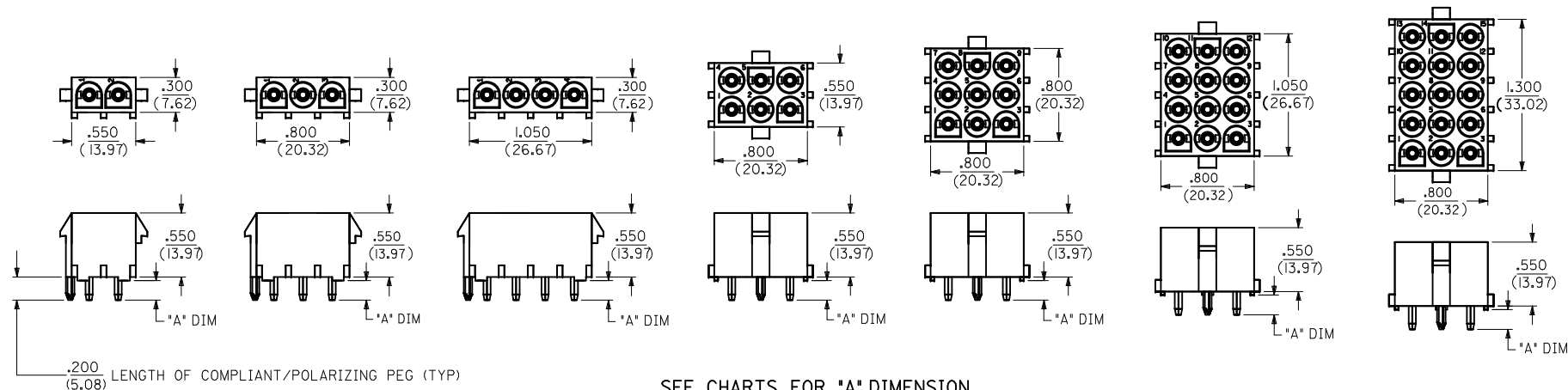
Reference - Drawing Numbers

Product Specification
Sales Drawing

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

This document was generated on 04/20/2010

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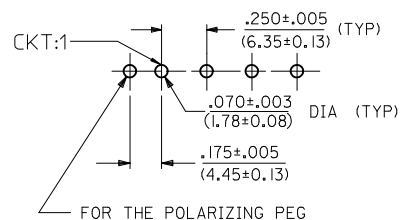


SEE CHARTS FOR 'A' DIMENSION

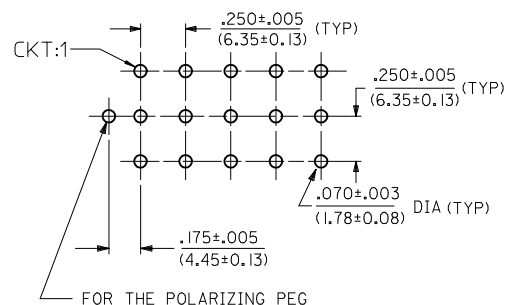
(THE 'A' DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

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		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
						IN/MM		1:1	INCH		
EC NO: 12010-0191		2009/12/31		mm INCH		DRAWN BY		DATE	TITLE		
DRWN: HMR01		2010/01/05		4 PLACES ± --- ± ---		SUDHIR		2004/06/08	HEADER HOUSING ASSEMBLY		
CHKD: KPRASAD		2010/01/05		3 PLACES ± --- ± 0.005		CHECKED BY		DATE	.084/(2.13) SERIES		
APPR: KPRASAD		2010/01/13		2 PLACES ± 0.13 ± 0.01		GJLOWE		2004/06/08	COMPLIANT-POLARIZING PEG		
				1 PLACE ± 0.25 ± ---		APPROVED BY		DATE	MOLEX MOLEX INCORPORATED		
				ANGULAR ±1/2°		GJLOWE		2004/06/08	MATERIAL NO.		SHEET NO.
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-43255-00**		1 OF 2	
E2		REV				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	
M		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/(4,3)	A												
		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/(4,3)	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/(4,3)	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/(4,3)	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/(4,3)	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/(4,3)	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												
		36757-0026		E	1	A			A												
		36757-0066		E	2	A			A												
E		43255-0051	3	A	2	A		.17/(4,3)	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/(4,3)	B												
		36766-0002		C	1	A			B												
		36766-0003		C	1	A			B												
				C	1	A			B												
C																					C
B																					B
A																					A
b_frame_A1_P_AM.T Rev. E 2006/04/15																					

ENTER DESCRIPTION

EC NO: I2010-0951
DRWN:HM01
CHKD:KPRASAD
APPR:KPRASAD

2009/12/31
2010/01/05
2010/01/13

DESCRIPTION

REV

QUALITY SYMBOLS

▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .---	± .---
3 PLACES	± .---	± 0.005
2 PLACES	± 0.13	± 0.01
1 PLACE	± 0.25	± .---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

DRAWN BY	DATE
SUDHIR	2004/06/08
CHECKED BY	DATE
GJLOWE	2004/06/08
APPROVED BY	DATE
GJLOWE	2004/06/08

MATERIAL NO.

SEE CHART

SIZE
A1

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SCALE

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

HEADER HOUSING ASSEMBLY
.084/(12.13) SERIES
COMPLIANT-POLARIZING PEG

molex

MOLEX INCORPORATED

DOCUMENT NO.

SDA-43255-00**

SHEET NO.

2 OF 2

RoHS COMPLIANT

RoHS COMPLIANT

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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