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Part Number: [0432550035](#)
Status: **Active**
Description: 6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm (.084") Contact Diameter, Vertical, with Plastic Polarizing Peg, 9 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)	9
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	3
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
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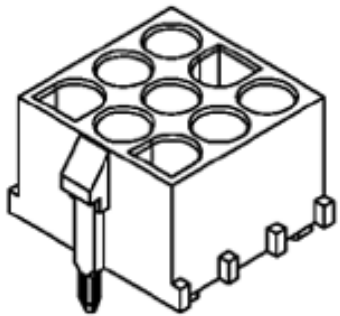


image - Reference only

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

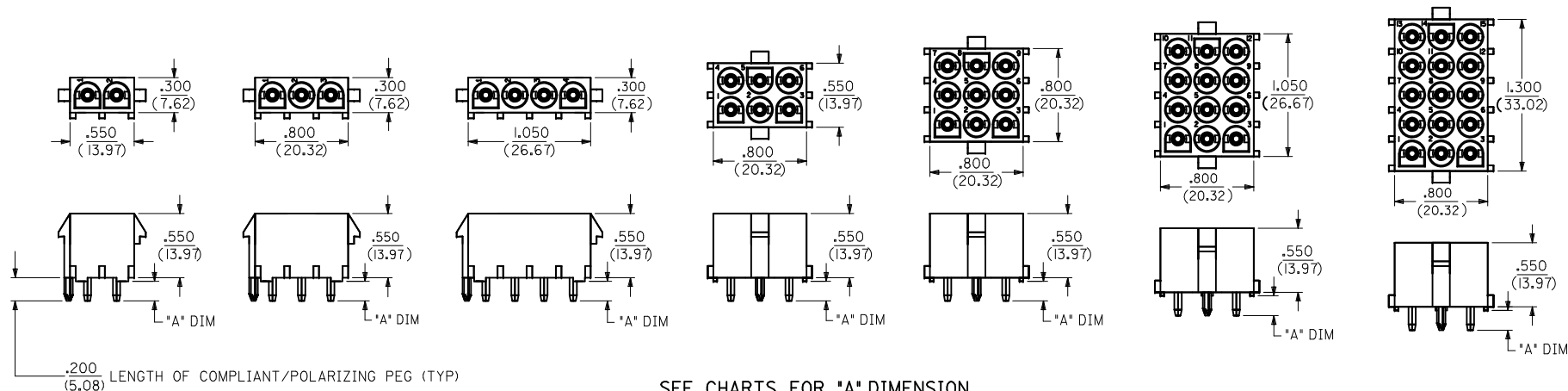
Reference - Drawing Numbers

Product Specification
Sales Drawing

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

This document was generated on 04/20/2010

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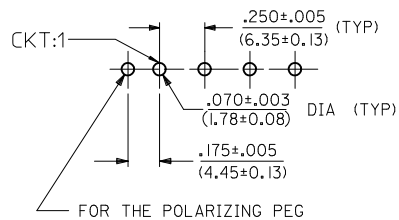


SEE CHARTS FOR 'A' DIMENSION

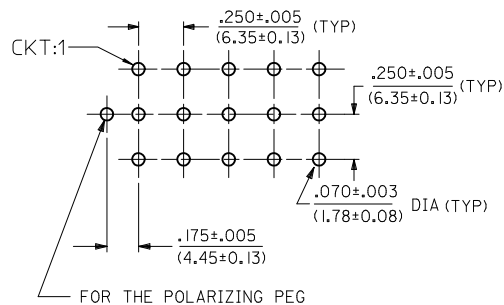
(THE 'A' DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

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	
EC NO: 2010-0191		2009/12/31		mm		IN/MM		1:1	INCH		
DRWN: HMR01		2010/01/05		4 PLACES ± ---		DRAWN BY		DATE		TITLE	
CHKD: KPRASAD		2010/01/05		3 PLACES ± ---		SUDHIR		2004/06/08		HEADER HOUSING ASSEMBLY	
APPR: KPRASAD		2010/01/13		2 PLACES ± 0.13		CHECKED BY		DATE		.084/(2.13) SERIES	
				1 PLACE ± 0.25		GJLOWE		2004/06/08		COMPLIANT-POLARIZING PEG	
				ANGULAR ± 1/2°		APPROVED BY		DATE		MOLEX INCORPORATED	
				DRAFT WHERE APPLICABLE		GJLOWE		2004/06/08			
E2				MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
						SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		1 OF 2	

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

RoHS COMPLIANT

ENTER DESCRIPTION E2 DEC NO: 12010-0191 2009/12/31 DRWN:HM01 CHYKOKPRASAD APPR:KPRASAD 2010/01/05 2010/01/13	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE INCH	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± 0.005 2 PLACES ± 0.13 ± 0.01 1 PLACE ± 0.25 ± --- ANGULAR ± 1/2°	mm INCH	DRAWN BY SUDHIR	DATE 2004/06/08	TITLE HEADER HOUSING ASSEMBLY .084/(12.13) SERIES COMPLIANT-POLARIZING PEG		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART	CHECKED BY GJLOWE	DATE 2004/06/08	APPROVED BY GJLOWE	DATE 2004/06/08	
		MATERIAL NO. SDA-43255-00**	DOCUMENT NO. SDA-43255-00**	SHEET NO. 2 OF 2				



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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