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Part Number: [0432550043](#)
Status: **Active**
Description: 6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm(.084") Contact Diameter, Vertical, with Plastic Polarizing Peg, 12 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)	12
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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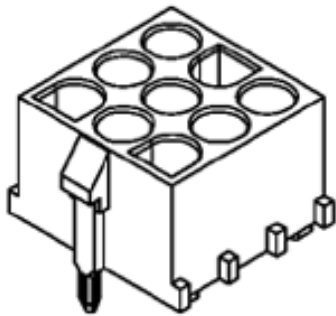


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status

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**

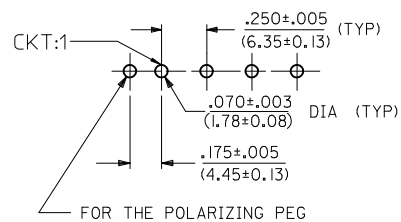
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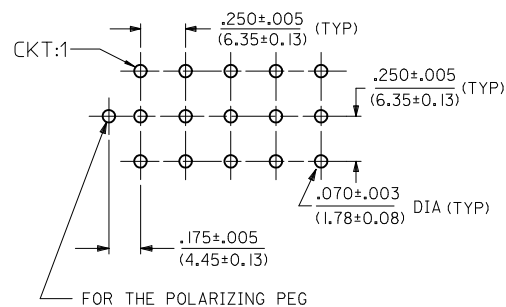


P.C. BOARD MOUNTING DIMENSIONS

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		THIRD ANGLE PROJECTION	
DRAWN: HMR01		2010/01/05		4 PLACES ± ---		DRAWN BY		DATE		TITLE		THIRD ANGLE PROJECTION	
CHKD: KPRASAD		2010/01/05		3 PLACES ± ---		SUDHIR		2004/06/08		HEADER HOUSING ASSEMBLY		THIRD ANGLE PROJECTION	
APPR: KPRASAD		2010/01/13		2 PLACES ± 0.13		CHECKED BY		DATE		.084/(2.13) SERIES		THIRD ANGLE PROJECTION	
				1 PLACE ± 0.25		GJLOWE		2004/06/08		COMPLIANT-POLARIZING PEG		THIRD ANGLE PROJECTION	
				ANGULAR ± 1/2°		APPROVED BY		DATE		MOLEX INCORPORATED		THIRD ANGLE PROJECTION	
				DRAFT WHERE APPLICABLE		GJLOWE		2004/06/08		MATERIAL NO.		THIRD ANGLE PROJECTION	
				MUST REMAIN WITHIN DIMENSIONS		SIZE		DOCUMENT NO.		SDA-43255-00**		THIRD ANGLE PROJECTION	
						A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				THIRD ANGLE PROJECTION	

	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

E2

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

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<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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