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Part Number: [0432550153](#)
Status: **Active**
Overview: [mlx](#)
Description: 6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Plastic Polarizing Peg, 12 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, Natural (Nylon Off White)

Documents:
[3D Model](#) [Product Specification PSX-42002-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

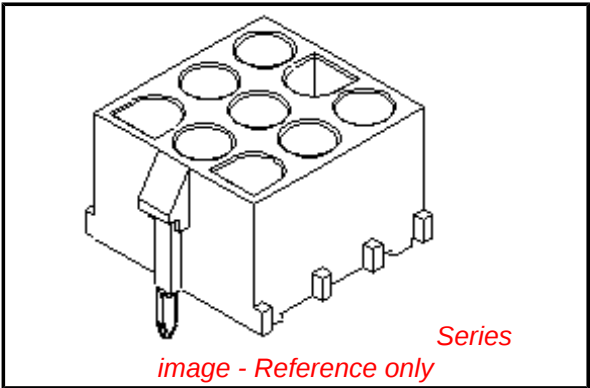
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43255
Application	Wire-to-Board
Comments	High Vibration Application
Overview	mlx
Product Name	MLX™

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	50
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Mated Height (in)	1.195 In
Mated Height (mm)	30.35 mm
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	3
Orientation	Vertical
PC Tail Length (in)	0.170 In
PC Tail Length (mm)	4.32 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
Plating min: Mating (µin)	140
Plating min: Mating (µm)	3.5



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.

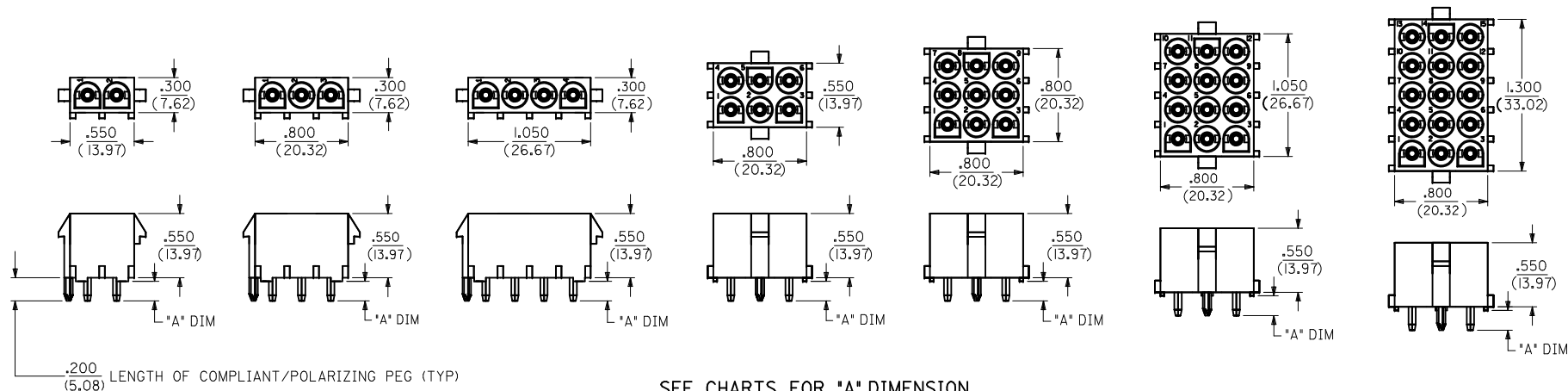
Search Parts in this Series
[43255Series](#)

Mates With
[42021](#) MLX™ Power Crimp Housing Plug.
[42024](#) MLX Crimp Terminal

Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
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
Solder Process Data	
Lead-free Process Capability	Wave Capable (TH only)
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-43255-003
Product Specification	PSX-42002-0001
Sales Drawing	SDA-43255-00**

This document was generated on 05/24/2010

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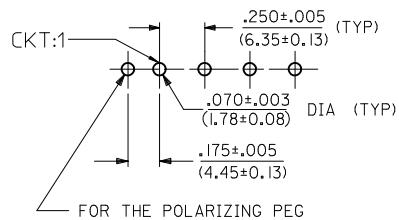


SEE CHARTS FOR 'A' DIMENSION

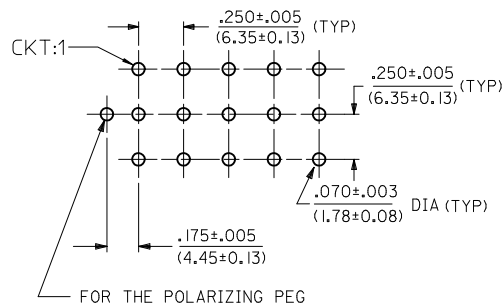
(THE 'A' DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

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 DRAWN: HMR01 CHKD: KPRASAD APPR: KPRASAD		2009/12/31 2010/01/05 2010/01/13	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
					mm	INCH	DRAWN BY SUDHIR	DATE 2004/06/08	TITLE HEADER HOUSING ASSEMBLY .084/(2.13) SERIES COMPLIANT-POLARIZING PEG			
E2		REV			4 PLACES	± ---	± ---	CHECKED BY GJLOWE	DATE 2004/06/08	MOLEX INCORPORATED		
					3 PLACES	± ---	± 0.005	CHECKED BY GJLOWE	DATE 2004/06/08			
					2 PLACES	± 0.13	± 0.01	APPROVED BY GJLOWE	DATE 2004/06/08	SDA-43255-00**		
					1 PLACE	± 0.25	± ---					
					ANGULAR		± 1/2°			1 OF 2		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							
					SIZE		A2	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	
	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	MOLEX INCORPORATED		
		MATERIAL NO. SDA-43255-00**	APPROVED BY GJLOWE	DATE 2004/06/08	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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