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Part Number: [0432550059](#)
Status: **Active**
Overview: [mlx](#)
Description: 6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Plastic Polarizing Peg, 2 Circuits, Polyester 94V-0, Tin (Sn) Plating, White

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

Agency Certification

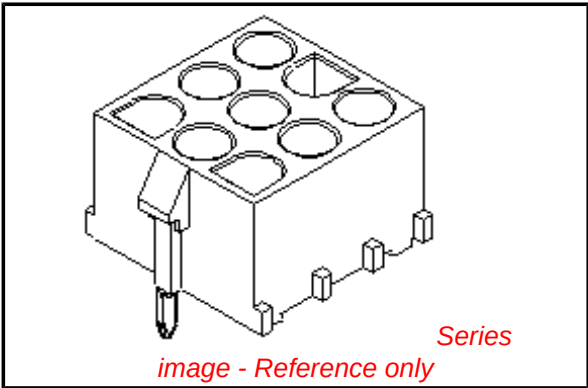
CSA LR19980
UL E29179

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) 2
Circuits (maximum) 2
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) 0.400 In
Mated Height (mm) 10.16 mm
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
Plating min: Mating (µin) 140
Plating min: Mating (µm) 3.5
Polarized to Mating Part Yes



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.

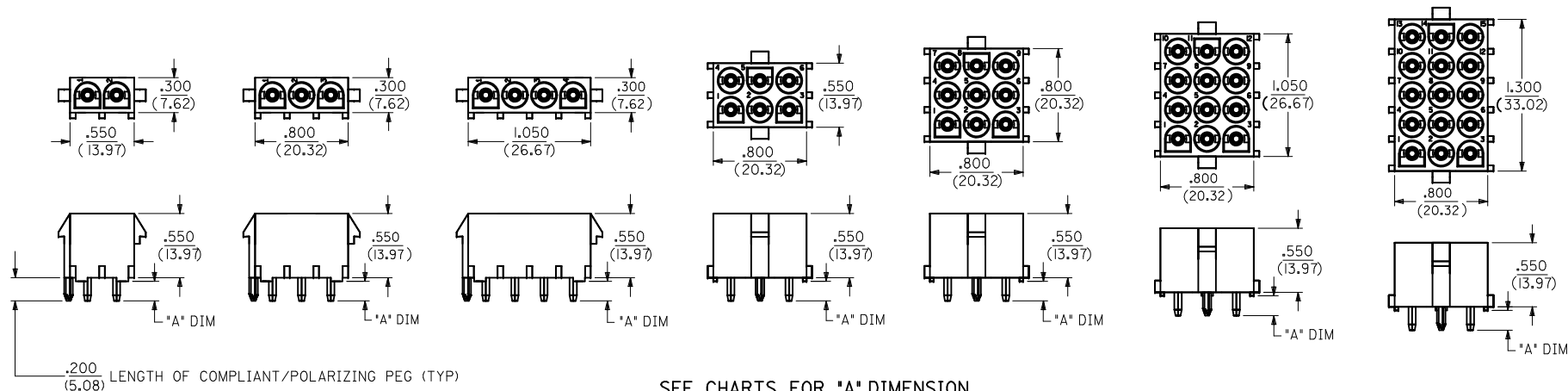
Search Parts in this Series
[43255Series](#)

Mates With
[42021](#) MLX™ Power Crimp Housing Plug.
[42023](#) MLX Crimp Terminal. [42024](#) MLX Crimp Terminal

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	12A
Voltage - Maximum	600V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-43255-001
Product Specification	PSX-42002-0001
Sales Drawing	SDA-43255-00**

This document was generated on 05/24/2010

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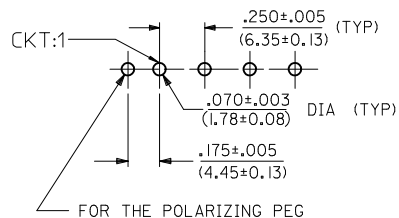


SEE CHARTS FOR 'A' DIMENSION

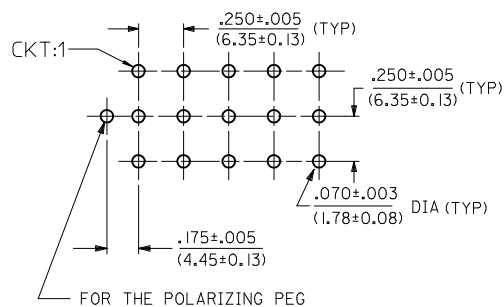
(THE 'A' DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

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.(3.50 MICRONS) TO 240 m.(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		QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION 2009/12/31 2010/01/05 2010/01/13	REV	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			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					4 PLACES ± --- ± ---		CHECKED BY GJLOWE		DATE 2004/06/08		MOLEX MOLEX INCORPORATED DOCUMENT NO. SDA-43255-00** SHEET NO. 1 OF 2	
					3 PLACES ± --- ± 0.005		DATE					
					2 PLACES ± 0.13 ± 0.01		DATE					
					1 PLACE ± 0.25 ± ---		DATE					
					ANGULAR ± 1/2°		APPROVED BY GJLOWE		DATE 2004/06/08			
					MATERIAL NO.		SEE CHART					
E2					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	
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
L		43255-0003	2	A	2	A		.17/(14,3)	A												L
		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												
K		36757-0021	3	E	1	A			A												K
		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												
J		36759-0022	4	D	1	A			A												J
		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												
I		43255-0129	6	C	1	A			A												I
		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												
H		43255-0027	9	A	2	A		.17/(14,3)	A												H
		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												
G		36757-0024	12	E	1	A			A												G
		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												
F		36759-0025	15	D	1	A			A												F
		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												
E		43255-0153	2	C	1	A			A												E
		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												
D		43255-0051	3	A	2	A		.17/(14,3)	A												D
		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												
C		36757-0027	4	E	1	A			A												C
		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												
				C	1	A			B												

RoHS COMPLIANT

ENTER DESCRIPTION E2	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
		mm	INCH	DRAWN BY SUDHIR	DATE 2004/06/08	TITLE HEADER HOUSING ASSEMBLY .084/(12.13) SERIES COMPLIANT-POLARIZING PEG			
		4 PLACES ± ---	± ---	CHECKED BY GJLOWE	DATE 2004/06/08	MOLEX INCORPORATED			
		3 PLACES ± ---	± 0.005	APPROVED BY GJLOWE				DATE 2004/06/08	DOCUMENT NO. SDA-43255-00**
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
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