

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0432550067

Status:

Active

Overview:

mlx

Description:

6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Plastic Polarizing Peg, 3 Circuits, Polyester 94V-0, Tin (Sn) Plating, White

Documents:

3D Model

Drawing (PDF)

Product Specification PSX-42002-0001 (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)

3

Circuits (maximum)

3

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)

0.170 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)

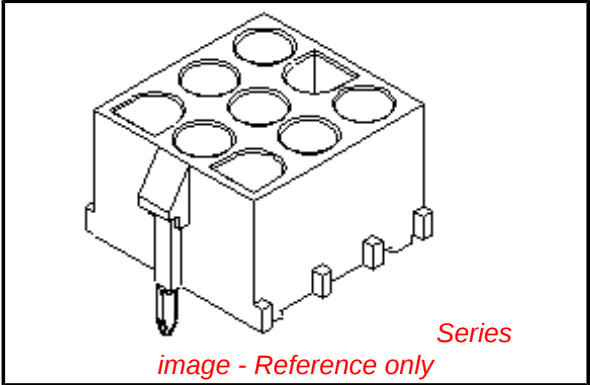
140

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 Halogen-Free



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

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

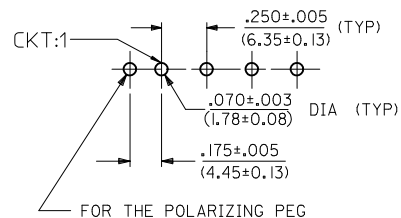


SEE CHARTS FOR 'A' DIMENSION

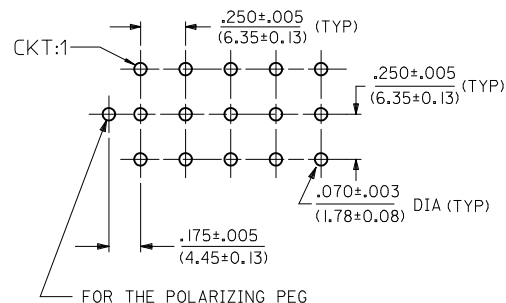
(THE 'A' DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

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		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																											
		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																											
ENTER DESCRIPTION EC NO: 12010-0951 2009/12/31 DRWN:HM01 CHKD:KPRASAD APPR:KPRASAD 2010/01/05 2010/01/13 QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED)<table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± .---</td><td>± .---</td></tr><tr><td>3 PLACES</td><td>± .---</td><td>± 0.005</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± 0.01</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± .---</td></tr></table>ANGULAR ±1/2° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE IN/MM<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>SUDHIR</td><td>2004/06/08</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>GJLOWE</td><td>2004/06/08</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>GJLOWE</td><td>2004/06/08</td></tr></table>MATERIAL NO. SEE CHART SCALE DESIGN UNITS INCH THIRD ANGLE PROJECTION TITLE HEADER HOUSING ASSEMBLY .084/(12.13) SERIES COMPLIANT-POLARIZING PEG MOLEX INCORPORATED DOCUMENT NO. SDA-43255-00** SHEET NO. 2 OF 2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																						mm	INCH	4 PLACES	± .---	± .---	3 PLACES	± .---	± 0.005	2 PLACES	± 0.13	± 0.01	1 PLACE	± 0.25	± .---	DRAWN BY	DATE	SUDHIR	2004/06/08	CHECKED BY	DATE	GJLOWE	2004/06/08	APPROVED BY	DATE	GJLOWE	2004/06/08	
	mm	INCH																																														
4 PLACES	± .---	± .---																																														
3 PLACES	± .---	± 0.005																																														
2 PLACES	± 0.13	± 0.01																																														
1 PLACE	± 0.25	± .---																																														
DRAWN BY	DATE																																															
SUDHIR	2004/06/08																																															
CHECKED BY	DATE																																															
GJLOWE	2004/06/08																																															
APPROVED BY	DATE																																															
GJLOWE	2004/06/08																																															
	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																													

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

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9