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Part Number: [0365380013](#)
Status: **Active**
Overview: [mlx](#)
Description: 6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Compliant Polarizing Peg, 6 Circuits, Polyester 94V-0, White, Lead-free

Documents:

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

General

Product Family PCB Headers
Series [36538](#)
Application Wire-to-Board
Overview [mlx](#)
Product Name MLX™

Physical

Breakaway No
Circuits (Loaded) 6
Circuits (maximum) 6
Circuits Detail With Compliant Polarizing Peg
Color - Resin Natural
Durability (mating cycles max) 50
First Mate / Last Break No
Glow-Wire Compliant No
Guide to Mating Part No
Keying to Mating Part None
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Resin Polyester
Number of Rows 2
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) 1.57 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) 20
Plating min: Mating (µm) 0.51
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

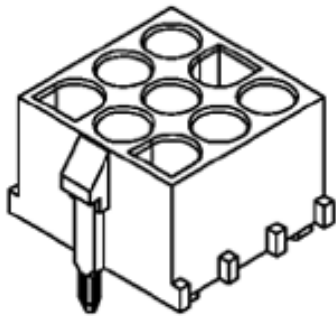


image - Reference only

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](#)

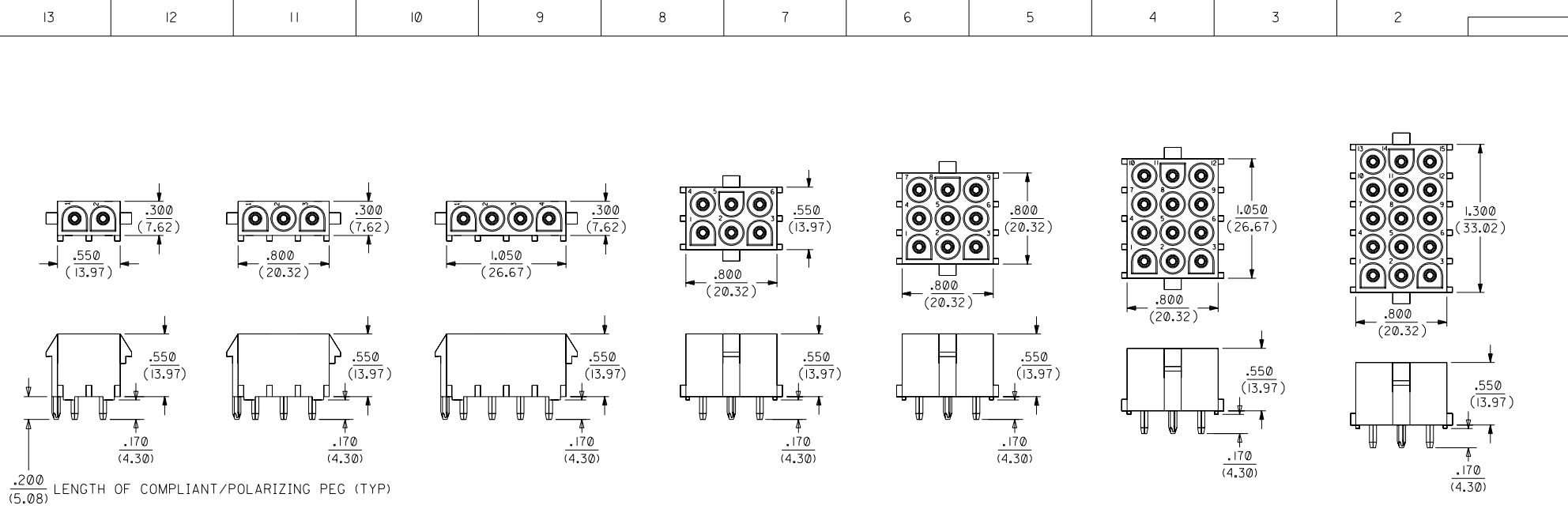
Please visit the [Contact Us](#) section for any
non-product compliance questions.

Search Parts in this Series
[36538Series](#)

Current - Maximum per Contact	9A
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	
Product Specification	PSX-42002-0001
Sales Drawing	SD-36538-001

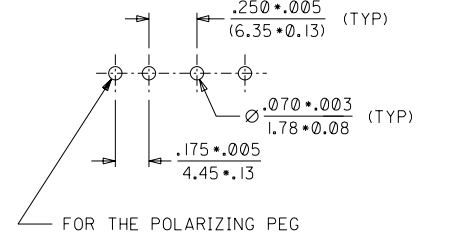
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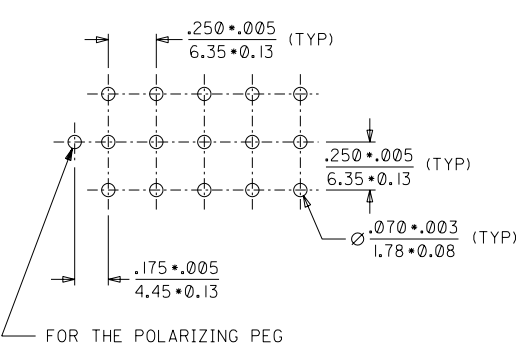


P.C. BOARD
MOUNTING DIMENSIONS

2, 3 & 4 POSITION HEADER ASSEMBLIES



6, 9, 12 & 15 POSITION HEADER ASSEMBLY



NOTES:

- 1) MATERIAL CODES:
HOUSING :
*A= UNREINFORCED POLYESTER, 94V-0.
COLOR: WHITE
*B= UNREINFORCED POLYESTER, 94V-0.
COLOR: BRICK RED
*C= NYLON (PA66), UL94V-2
COLOR: WHITE, TRANSLUCENT
TERMINAL : PHOSPHOR BRONZE
- 2) FINISH:
TIN-LEAD 20 MICROINCH (0.51 MICRONS) MINIMUM
- 3) TERMINAL LENGTH IS SUITABLE FOR .062/(1.57) THICK P.C BOARD
- 4) DIMENSIONS ARE FOR REFERENCE ONLY UNLESS INDICATED OTHERWISE.
- 5) HEADER ASSEMBLY HOUSINGS MATE WITH :
- PLUG HOUSINGS, .084/(2.13) DIA. SERIES: (42021-**)
- 6) CONTACTS ARE ON .250/(6.35) GRID CENTERLINE SPACING.

EC NO. I 2003-0027				DRAWING S 20/01/03		CHK. G.L 20/01/03		APPR. G.L 20/01/03		QUALITY SYMBOLS		GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 1.5:1		DESIGN UNITS ☐ mm ☒ INCH		THIRD ANGLE PROJECTION		DIMENSIONS: ☐ mm ☐ INCH ☒ mm ONLY			SHT		REV		
A1				DESCRIPTION		REV		MAJOR =		CRITICAL =		4 PLACES		mm		INCH		DRAWN BY & DATE S.S 01/09/28		TITLE: HEADER HOUSING ASSEMBLIES .084/(2.13) SERIES WITH COMPLIANT/POLARISING PEG							
												3 PLACES		±0.		±.010		CHECKED BY & DATE G.L 01/09/28									
												2 PLACES		±0.25		±.014		APPROVED BY & DATE G.L 01/09/28									
												1 PLACE		±0.36		±.		CAD FILENAME SD-36538-001.S01		MATERIAL NO. SEE SHEET 2		DRAWING NO. SD-36538-001		SHEET NO. 1 OF 2			
												ANGULAR: ±		1/2°													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.												SIZE C	

	I3	I2	I1	I0	9	8	7	6	5	4	3	2																															
J	ITEM NO.	CIRCUIT SIZE	MATERIAL COLOR (SEE NOTE 1)											J																													
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	36538-0002		B																																								
	36538-0003		C																																								
	36538-0004	3	A																																								
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EC NO.I 2003-0027 DRWNS.S 20/01/03 CHK: G.L 20/01/03 APPR:G.L 20/01/03				DESCRIPTION		QUALITY SYMBOLS MAJOR = CRITICAL C =		GENERAL TOLERANCES: (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±0.</td><td>±.</td></tr><tr><td>3 PLACES</td><td>±0.</td><td>±. 010</td></tr><tr><td>2 PLACES</td><td>±0.25</td><td>±. 014</td></tr><tr><td>1 PLACE</td><td>±0.36</td><td>±.</td></tr><tr><td colspan="3">ANGULAR: ± 1/2°</td></tr></table>			mm	INCH	4 PLACES	±0.	±.	3 PLACES	±0.	±. 010	2 PLACES	±0.25	±. 014	1 PLACE	±0.36	±.	ANGULAR: ± 1/2°			SCALE DESIGN UNITS ☐ mm ☒ INCH		DRAWN BY & DATE S.S 01/09/28		CHECKED BY & DATE G.L 01/09/28		APPROVED BY & DATE G.L 01/09/28		CAD FILENAME SD-36538-001.S02		MATERIAL NO. SEE CHART		DRAWING NO. SD-36538-001		SHEET NO. 2 OF 2	
	mm	INCH																																									
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3 PLACES	±0.	±. 010																																									
2 PLACES	±0.25	±. 014																																									
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LBORD.DGN REV A 96/06/12 LEVEL 5				I2		I1		I0		9		8		7		6		5		4		3		2		I																	

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

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<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.

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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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