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Part Number:

0365380010

Status:

Active

Overview:

[mlx](#)

Description:

6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Compliant Polarizing Peg, 4 Circuits, Unreinforced Polyester 94V-0, White

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PSX-42002-0001 \(PDF\)](#)

[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)

4

Circuits (maximum)

4

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-Lead

Material - Resin

Polyester

Number of Rows

1

Orientation

Vertical

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

Current - Maximum per Contact

12A

Voltage - Maximum

600V

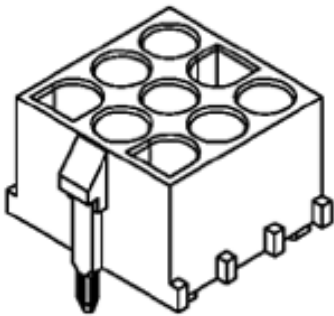


image - Reference only

Series

EU RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

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

36538Series

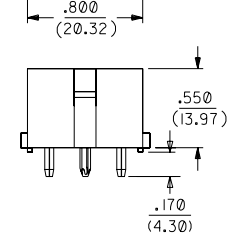
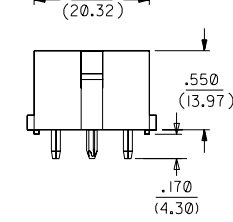
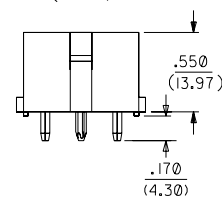
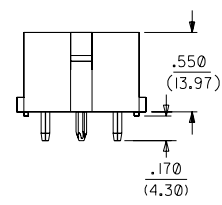
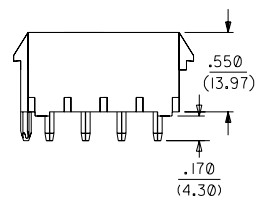
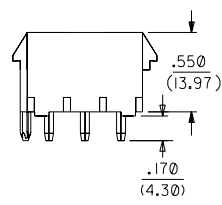
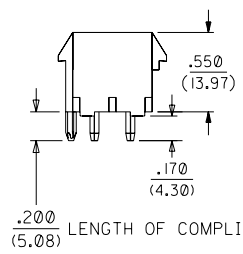
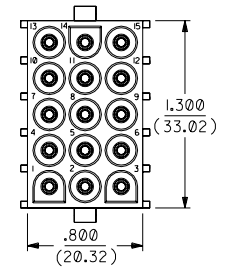
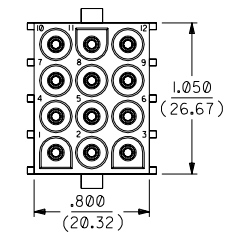
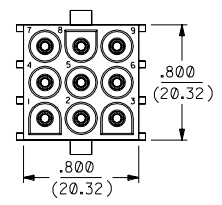
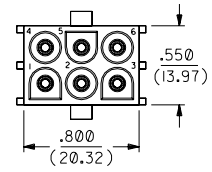
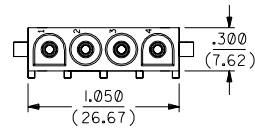
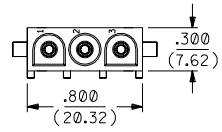
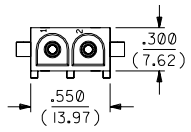
Material Info

Reference - Drawing Numbers

Product Specification	PSX-42002-0001
Sales Drawing	SD-36538-001

This document was generated on 05/24/2010

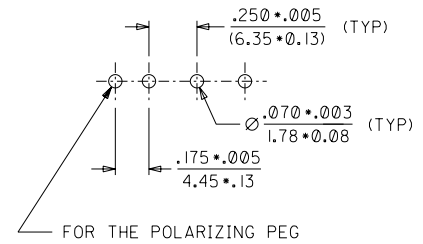
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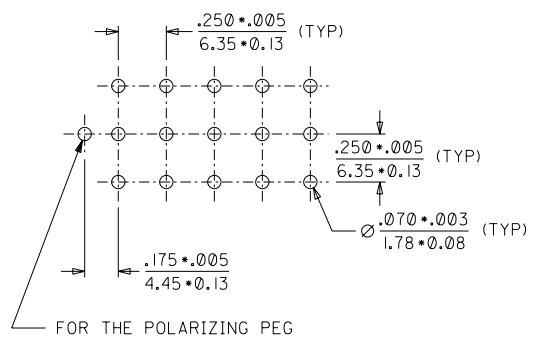
LENGTH OF COMPLIANT/POLARIZING PEG (TYP)

P.C. BOARD MOUNTING DIMENSIONS

2, 3 & 4 POSITION HEADER ASSEMBLIES



6, 9, 12 & 15 POSITION HEADER ASSEMBLY



NOTES:

- 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
- FINISH:
TIN-LEAD 20 MICROINCH (0.51 MICRONS) MINIMUM
- TERMINAL LENGTH IS SUITABLE FOR .062/(1.57) THICK P.C BOARD
- DIMENSIONS ARE FOR REFERENCE ONLY UNLESS INDICATED OTHERWISE.
- HEADER ASSEMBLY HOUSINGS MATE WITH :
- PLUG HOUSINGS, .084/(2.13) DIA. SERIES: (42021-**)
- CONTACTS ARE ON .250/(6.35) GRID CENTERLINE SPACING.

EC NO.1 2003-0027		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 1.5:1	DESIGN UNITS ☐ mm ☒ INCH		THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☒ INCH ☐ mm ONLY			SHT	REV		
DRWNS.S 20/01/03	CHK: G.L 20/01/03			APPR:G.L 20/01/03					REVISE ON CAD ONLY							
A1	REV			MAJOR =	CRITICAL =		mm		INCH	DRAWN BY & DATE S.S 01/09/28		TITLE: HEADER HOUSING ASSEMBLIES .084/(2.13) SERIES WITH COMPLIANT/POLARISING PEG				
						4 PLACES	±0.		±.	CHECKED BY & DATE G.L 01/09/28						
						3 PLACES	±0.		±. 0.10	APPROVED BY & DATE G.L 01/09/28						
		2 PLACES	±0.25			±. 0.14	CAD FILENAME SD-36538-001.S01		MATERIAL NO. SEE SHEET2		DRAWING NO. SD-36538-001		SHEET NO. 1 OF 2			
1 PLACE		±0.36	±.													
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		

	13	12	11	10	9	8	7	6	5	4	3	2			
J	ITEM NO.	CIRCUIT SIZE	MATERIAL COLOR (SEE NOTE 1)											J	
	36538-0001	2	A												
	36538-0002		B												
	36538-0003		C												
I	36538-0004	3	A												
	36538-0005		B												
	36538-0006		C												
	36538-0007	9	A												
36538-0008	B														
36538-0009	C														
36538-0010	A														
H	36538-0011	4	B												
	36538-0012		C												
	36538-0013		A												
	36538-0014	6	B												
36538-0015	C														
36538-0016	A														
G	36538-0017	15	B												
	36538-0018		C												
	36538-0019		A												
	36538-0020	12	B												
36538-0021	C														
F														F	
E														E	
D														D	
C														C	
B														B	
A														A	
LBORD.DGN REV A 96/06/12 LEVEL 5				12	11	10	9	8	7	6	5	4	3	2	1
EC NO. I 2003-0027 DRWNS.S 20/01/03 CHK: G.L 20/01/03 APPR: G.L 20/01/03				DESCRIPTION	REV	QUALITY SYMBOLS MAJOR = CRITICAL =	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE	DESIGN UNITS ☐ mm ☒ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☒ INCH ☐ mm ONLY		SHT	REV
												TITLE: HEADER HOUSING ASSEMBLIES .084/(2,13) SERIES WITH COMPLIANT/POLARIZING PEG			
												MOLEX INCORPORATED			
									CAD FILENAME SD-36538-001.S02	MATERIAL NO. SEE CHART		DRAWING NO. SD-36538-001	SHEET NO. 2 OF 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.						