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Part Number:

0365380004

Status:

Active

Overview:

mlx

Description:

6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Compliant Polarizing Peg, 3 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

Series

Application

Overview

Product Name

PCB Headers

36538

Wire-to-Board

mlx

MLX™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

3

3

With Compliant Polarizing Peg

Natural

50

No

No

No

No

None

Yes

Phosphor Bronze

Tin-Lead

Polyester

1

Vertical

Yes

Yes

0.062 In

1.57 mm

Bag

0.250 In

6.35 mm

0.250 In

6.35 mm

20

0.51

Yes

Yes

Fully

No

No

-55°C to +105°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

12A

600V

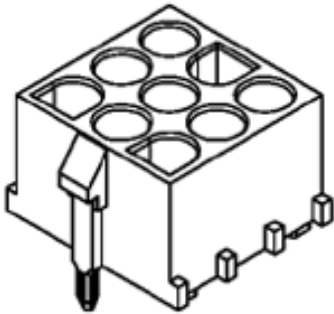


image - Reference only

Series

EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

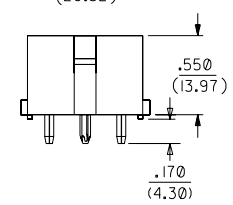
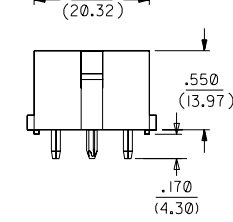
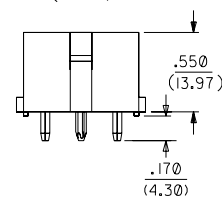
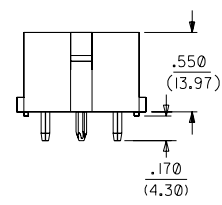
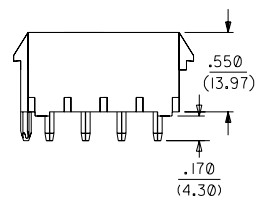
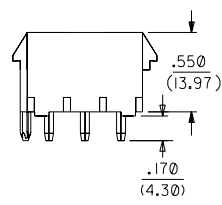
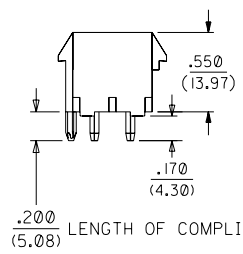
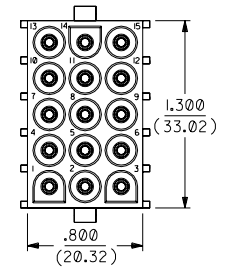
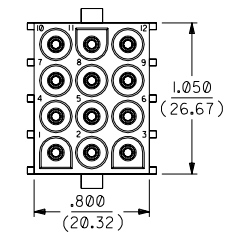
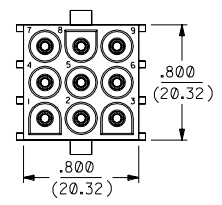
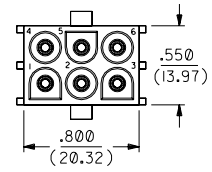
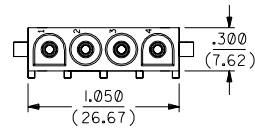
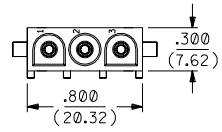
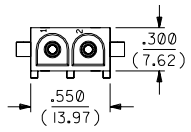
Material Info

Reference - Drawing Numbers

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

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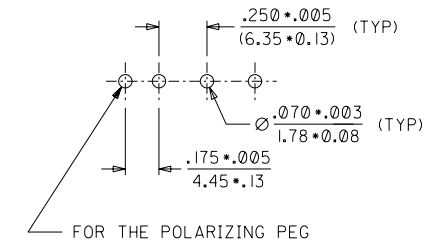
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.200 (5.08) LENGTH OF COMPLIANT/POLARIZING PEG (TYP)

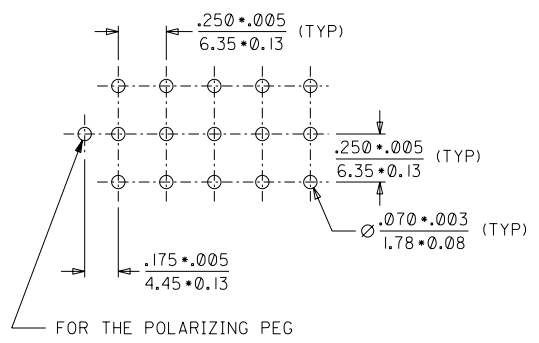
P.C. BOARD MOUNTING DIMENSIONS

2, 3 & 4 POSITION HEADER ASSEMBLIES



FOR THE POLARIZING PEG

6, 9, 12 & 15 POSITION HEADER ASSEMBLY



FOR THE POLARIZING PEG

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.I 2003-0027 DRW:SS.S 20/01/03 CHK: G.L 20/01/03 APP:G.L 20/01/03		DESCRIPTION	QUALITY SYMBOLS MAJOR = CRITICAL =	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE 1.5:1	DESIGN UNITS ☐ mm ☒ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☒ INCH ☐ mm ONLY		SHT	REV	
												REVISE ON CAD ONLY	
A1	REV				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.	±.010	APPROVED BY & DATE G.L 01/09/28		 MOLEX INCORPORATED				
				2 PLACES	±0.25	±.014	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.		
				ANGULAR: ± 1/2°									

	I3	I2	I1	I0	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												
	36538-0004	3	A												
	36538-0005		B												
	36538-0006		C												
I	36538-0007	9	A											I	
	36538-0008		B												
	36538-0009		C												
	36538-0010		A												
	36538-0011	4	B												
	36538-0012		C												
	36538-0013		A												
H	36538-0014	6	B											H	
	36538-0015		C												
	36538-0016		A												
	36538-0017	15	B												
	36538-0018		C												
	36538-0019		A												
G	36538-0020	12	B											G	
	36538-0021		C												
F														F	
E														E	
D														D	
C														C	
B														B	
A														A	
EC NO.I 2003-0027 DRWNS.S 20/01/03 CHK: G.L 20/01/03 APPR:G.L 20/01/03				QUALITY SYMBOLS MAJOR = CRITICAL C =		GENERAL TOLERANCES: (UNLESS SPECIFIED) mm INCH 4 PLACES ±0. ±. 3 PLACES ±0. ±. 010 2 PLACES ±0.25 ±. 014 1 PLACE ±0.36 ±. ANGULAR: ± 1/2°		SCALE DRAWN BY & DATE S.S 01/09/28	DESIGN UNITS ☐mm ☒INCH	☐ ☐ THIRD ANGLE PROJECTION	DIMENSIONS: ☐mm ☒INCH ☐mm ONLY		SHT	REV	
						4 PLACES ±0. ±.		CHECKED BY & DATE G.L 01/09/28		TITLE: HEADER HOUSING ASSEMBLIES .084/(2.13) SERIES WITH COMPLIANT/POLARIZING PEG					
						2 PLACES ±0.25 ±. 014		APPROVED BY & DATE G.L 01/09/28		MOLEX MOLEX INCORPORATED					
						ANGULAR: ± 1/2°		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.						SIZE C	
LBORD.DGN REV A 96/06/12 LEVEL 5				I2	I1	I0	9	8	7	6	5	4	3	2	I

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