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Part Number:

0365380016

Status:

Active

Overview:

[mlx](#)

Description:

6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Compliant Polarizing Peg, 15 Circuits, Unreinforced Polyester 94V-0, White

Documents:

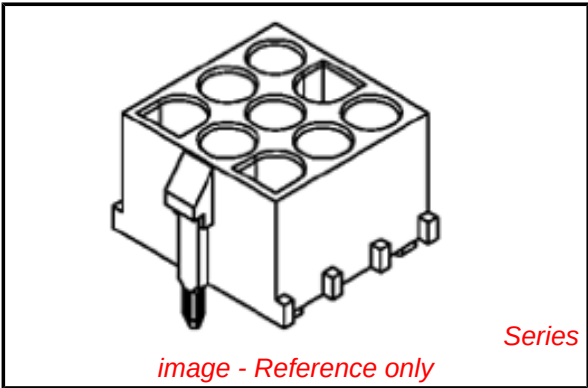
[3D Model](#)

[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)	15
Circuits (maximum)	15
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	5
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	9A
Voltage - Maximum	600V



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

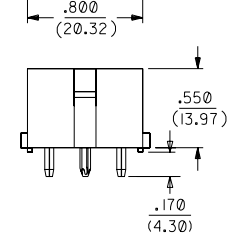
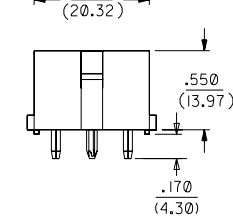
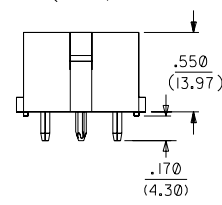
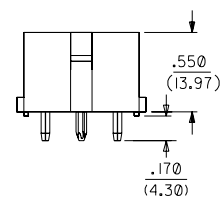
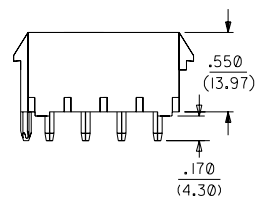
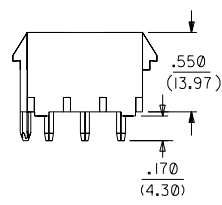
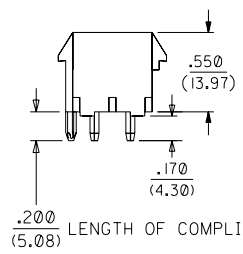
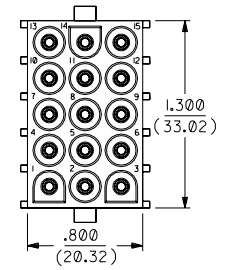
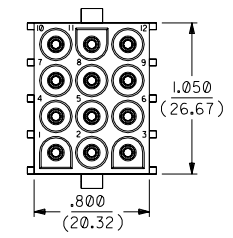
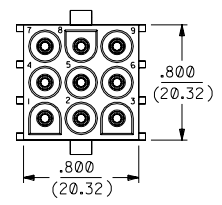
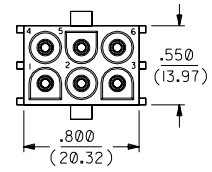
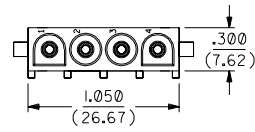
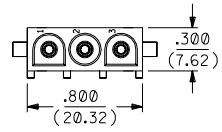
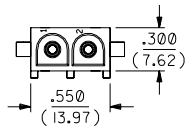
Material Info

Reference - Drawing Numbers

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

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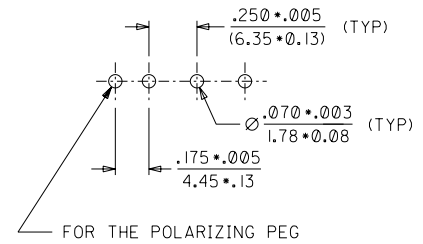
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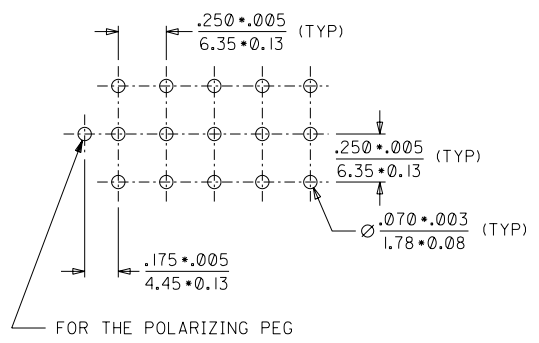
LENGTH OF COMPLIANT/POLARIZING PEG (TYP)

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.I 2003-0027 DRW: S.S CHK: G.L APP: G.L		DESCRIPTION REV	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					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°									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	QUALITY SYMBOLS MAJOR = CRITICAL =	GENERAL TOLERANCES: (UNLESS SPECIFIED)		SCALE	DESIGN UNITS ☐ mm ☒ INCH	 THIRD ANGLE PROJECTION	DIMENSIONS: ☐ mm ☒ INCH ☐ mm ONLY		SHT	REV	
						4 PLACES	±0.	±.	DRAWN BY & DATE S.S 01/09/28		TITLE: HEADER HOUSING ASSEMBLIES .084/(2,13) SERIES WITH COMPLIANT/POLARIZING PEG		REVISE ON CAD ONLY		
						3 PLACES	±0.	±. 0.10	CHECKED BY & DATE G.L 01/09/28						
						2 PLACES	±0.25	±. 0.14	APPROVED BY & DATE G.L 01/09/28		MOLEX INCORPORATED				
						1 PLACE	±0.36	±.	CAD FILENAME SD-36538-001.S02				MATERIAL NO. SEE CHART	DRAWING NO. SD-36538-001	SHEET NO. 2 OF 2
A1				REV	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	