

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0365380001](#)
Status: **Active**
Overview: [mlx](#)
Description: 6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Compliant Polarizing Peg, 2 Circuits, Unreinforced 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) 2
Circuits (maximum) 2
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 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) 1.57 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

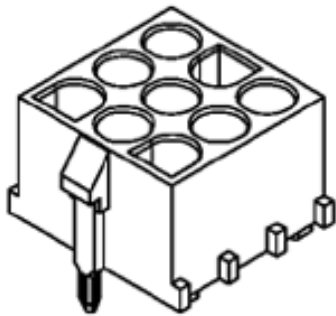


image - Reference only

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](#)

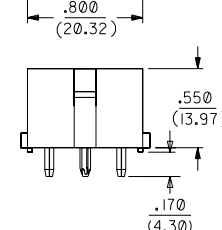
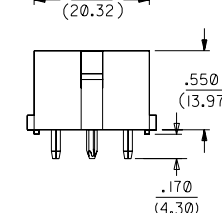
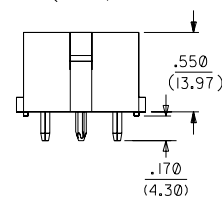
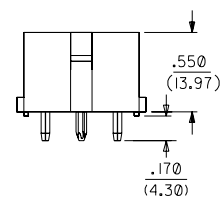
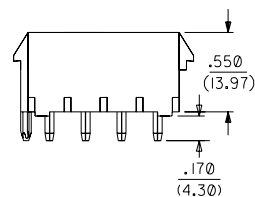
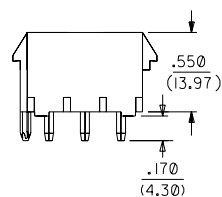
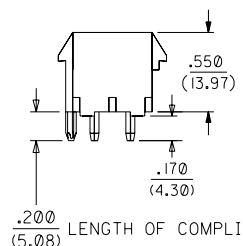
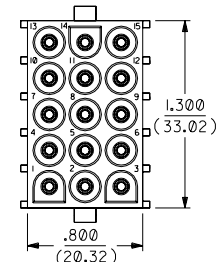
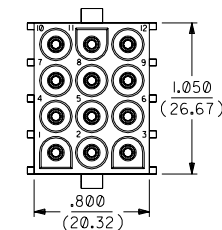
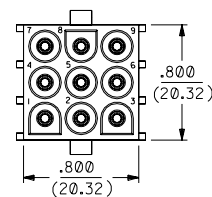
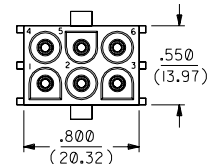
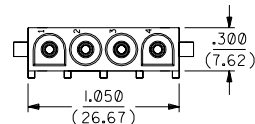
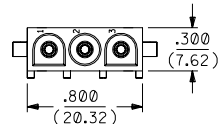
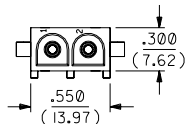
Please visit the [Contact Us](#) section for any
non-product compliance questions.

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

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

This document was generated on 05/24/2010

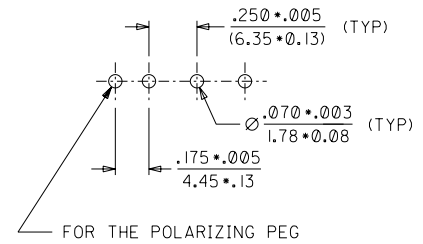
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



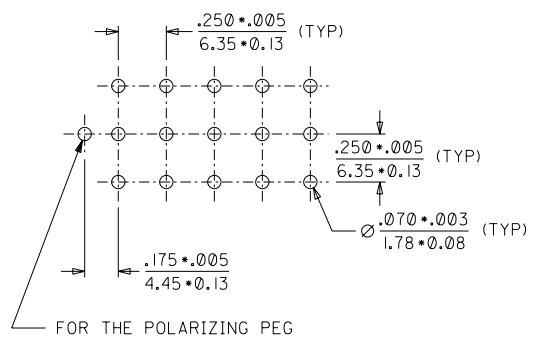
.200 (5.08) LENGTH OF COMPLIANT/POLARIZING PEG (TYP)

P.C. BOARD MOUNTING DIMENSIONS

2, 3 & 4 POSITION HEADER ASSEMBLIES



6, 9, 12 & 15 POSITION HEADER ASSEMBLY



NOTES:

- 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 A1 DRWNS: S.S CHKs: G.L APPR: G.L			DESCRIPTION REV	QUALITY SYMBOLS MAJOR = CRITICAL C =	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				
					4 PLACES	±0.	±.	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		 MOLEX INCORPORATED							
					1 PLACE	±0.36	±.	CAD FILENAME SD-36538-001.S01								MATERIAL NO. SEE SHEET2	
					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	
	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. ±. 0 10 2 PLACES ±0.25 ±. 0 14 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		THIRD ANGLE PROJECTION ☒ THIRD ANGLE PROJECTION TITLE: HEADER HOUSING ASSEMBLIES .084/(2,I3) SERIES WITH COMPLIANT/POLARIZING PEG MOLEX INCORPORATED		DIMENSIONS: ☐ mm ☒ INCH ☐ mm ONLY SHT REV REVISE ON CAD ONLY	
				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	
LBORD.DGN REV A 96/06/12 LEVEL 5				I2	I1	I0	9	8	7	6	5	4	3	2	I