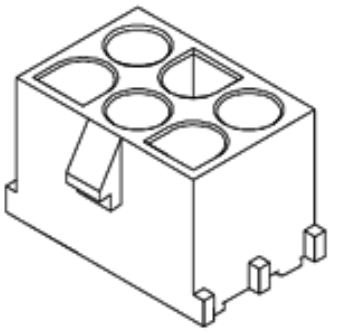
This document was generated on 05/24/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0365630010
Status: Active
Overview: mlx
Description: 6.35mm (.250) Pitch MLX™ Power Connector Header, Vertical, without Plastic Polarizing Peg, 6 Circuits, Polyester 94V-0, Tin Lead (Pb/Sn) Plating, White



Series image - Reference only

Documents:

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

General

Product Family	PCB Headers
Series	36563
Application	Wire-to-Board
Comments	Without Compliant / Polarization Peg
Overview	mlx
Product Name	MLX™

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	White
Durability (mating cycles max)	50
First Mate / Last Break	No
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin-Lead
Material - Plating Termination	Nickel
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	No
PCB Retention	None
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)	60
Plating min: Mating (µm)	15.25
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C

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
36563Series

Mates With
42021 MLX™ Power Crimp Housing Plug. 42023 MLX Crimp Terminal. 42024 MLX Crimp Terminal

Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	9A
Voltage - Maximum	600V

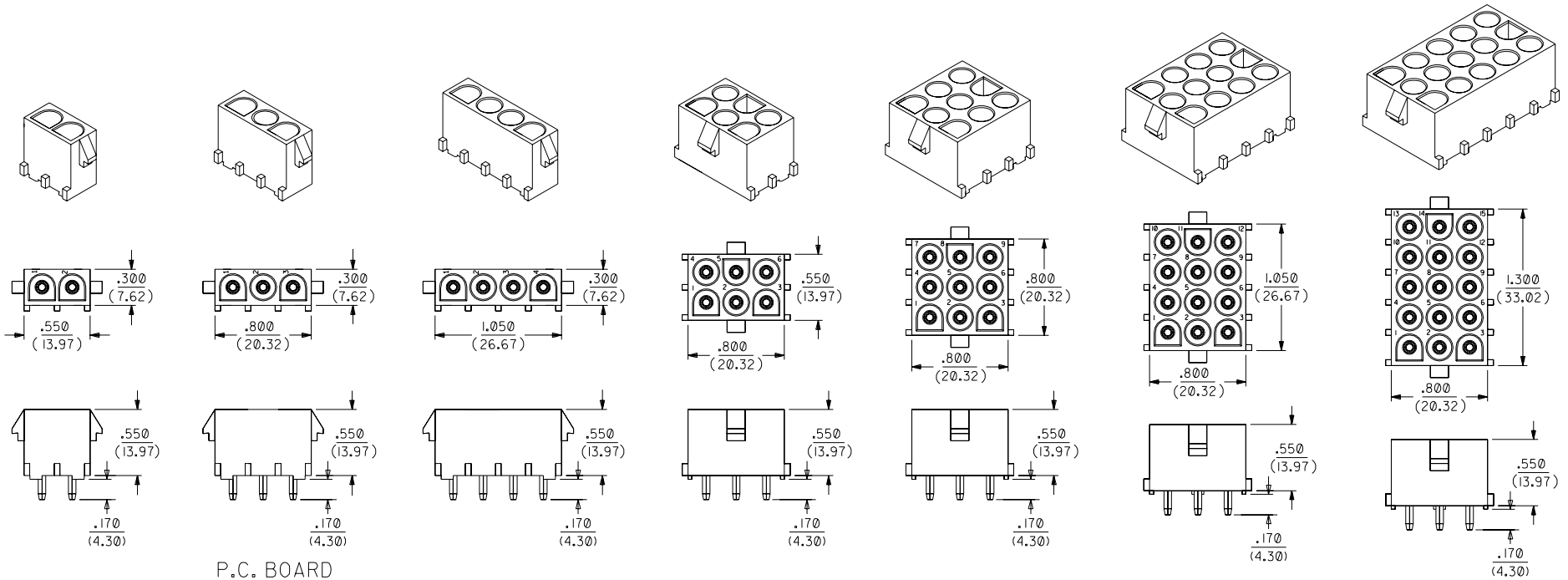
Material Info

Reference - Drawing Numbers

Product Specification	PSX-42002-0001
Sales Drawing	SD-36563-001

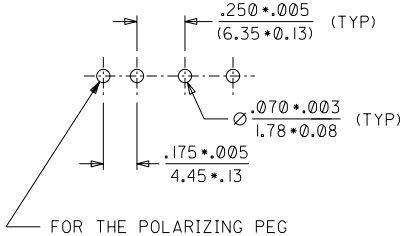
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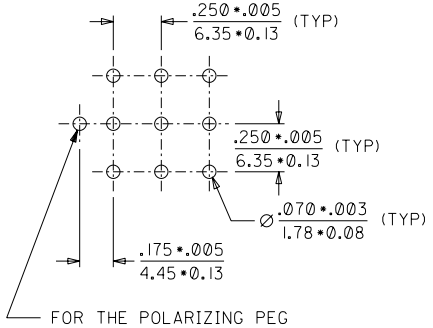


P.C. BOARD MOUNTING DIMENSIONS

2 & 3 POSITION HEADER ASSEMBLIES



9 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 : BRASS, SOLID PIN
2) FINISH:
   TIN-LEAD 60-100 MICROINCH, OVER NICKEL 50 MICROINCH (MIN) OVERALL
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 2003-0020 25/11/02
DRWN: S.S 25/11/02
CHK: G.L 25/11/02
APPR: G.L 25/11/02
DESCRIPTION
A
REV

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°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 1.5 : 1 | DESIGN UNITS ☐mm ☒INCH | THIRD ANGLE PROJECTION

DIMENSIONS: ☐ mm/INCH ☒ INCH/mm ☐ mm ONLY | SHT | REV | REVISE ON CAD ONLY

DRAWN BY & DATE: S.S 28/09/01
CHECKED BY & DATE: G.L 28/09/01
APPROVED BY & DATE: G.L 28/09/01
CAD FILENAME: SD-36563-001.S01
MATERIAL NO.: SEE CHART
DRAWING NO.: SD-36563-001
SHEET NO.: 1 OF 2

TITLE: HEADER HOUSING ASSEMBLIES .084/(2.13) SERIES WITHOUT COMPLIANT/POLARIZING PEG

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SIZE C

LBORD.DGN REV A 96/06/12 LEVEL 5

ITEM NO.	CIRCUIT SIZE	MATERIAL COLOR (SEE NOTE 1)
36563-0001	2	A
36563-0002		B
36563-0003		C
36563-0004	3	A
36563-0005		B
36563-0006		C
36563-0007	4	A
36563-0008		B
36563-0009		C
36563-0010	6	A
36563-0011		B
36563-0012		C
36563-0013	9	A
36563-0014		B
36563-0015		C
36563-0016	12	A
36563-0017		B
36563-0018		C
36563-0019	15	A
36563-0020		B
36563-0021		C

EC NO:I 2003-0020 25/11/02
DRWN:S.S 25/11/02
CHK: G.L 25/11/02
APPR: G.L 25/11/02
DESCRIPTION
A
REV

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1 PLACE	±0.36	±.

ANGULAR: ± 1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SCALE 1.5 :1
DESIGN UNITS ☐mm ☒INCH
THIRD ANGLE PROJECTION
DIMENSIONS: ☐ mm/INCH ☒ INCH/mm ☐ mm ONLY
SHT | REV
REVISE ON CAD ONLY

DRAWN BY & DATE S.S 28/09/01
CHECKED BY & DATE G.L 28/09/01
APPROVED BY & DATE G.L 28/09/01

TITLE: HEADER HOUSING ASSEMBLIES .084/(2.13) SERIES WITHOUT COMPLIANT/POLARIZING PEG

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CAD FILENAME SD-36563-001.S02
MATERIAL NO. SEE CHART
DRAWING NO. SD-36563-001
SHEET NO. 2 OF 2

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SIZE C