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Part Number: [0010844022](#)
Status: **Active**
Description: 6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm (.084") Contact Diameter, Vertical, PA Polyamide (Nylon) 6/6, Tin (Sn), White, 2 Circuits

Documents:

3D Model	Product Specification PSX-42002-0002 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PSX-42002-0001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	42002
Application	Wire-to-Board
Comments	High Vibration Application
Product Name	MLX™

Physical

Circuits (Loaded)	2
Color - Resin	Natural
Durability (mating cycles max)	50
Flammability	94V-2
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.169 In
PC Tail Length (mm)	4.30 mm
PCB Retention	None
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Bag
Pitch - Mating Interface (in)	0.250 In
Pitch - Mating Interface (mm)	6.35 mm
Polarized to PCB	Yes
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13.5A
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

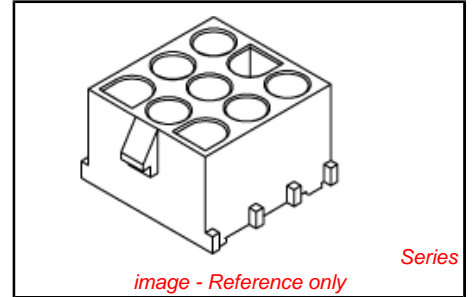


image - Reference only

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

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.

China RoHS



Search Parts in this Series

42002Series

Mates With

42021 , 42023

Old Part Number

A-42002-2A2A1

Reference - Drawing Numbers

Packaging Specification

PK-43255-001

Product Specification

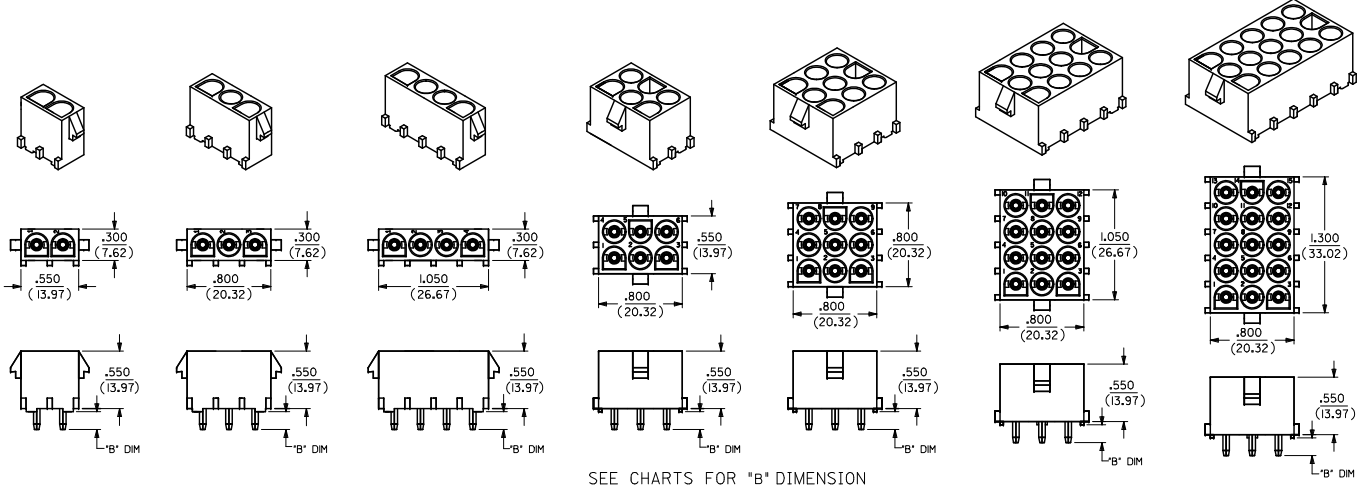
PSX-42002-0001, PSX-42002-0002

Sales Drawing

SDA-42002-*****

This document was generated on 06/07/2010

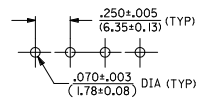
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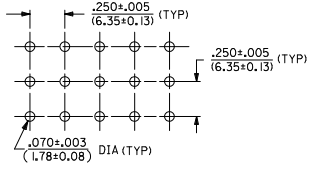
SEE CHARTS FOR "B" DIMENSION

P.C. BOARD MOUNTING DIMENSIONS

2, 3, & 4 POSITION HEADER ASSEMBLIES



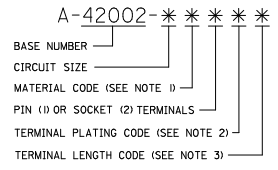
6, 9, 12 & 15 POSITION HEADER ASSEMBLIES



NOTES:

- 1) MATERIAL CODES:
 - *A*= NYLON 6/6, 94V-2, NATURAL
 - *C*= PLOYESTER, 94V-0, WHITE/NATURAL
 - *D*= NYLON V-2
 - COLOUR:BLACK(ZYTEL 101F)
 - *E*= NYLON V-2
 - COLOUR:NATURAL
 - GLOWWIRE COMPATIBLE WITH CTI OF 325V
- 2) PLATING CODES:
 - A = ES-88-P921
- 3) TERMINAL LENGTH CODES:
 - I= TERMINAL FOR .062/(1.57) THICK PC 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.

LEGEND:



ENTER DESCRIPTION IEC NO: 12010-0067 DRAWNS:SN01 2009/11/02 CHKCD:GJL0ME 2010/01/27 APPR:KPRASAD 2010/01/27 DESCRIPTION REV	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>± .13</td> <td>± .005</td> </tr> <tr> <td>3 PLACES</td> <td>± .13</td> <td>± .010</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.25</td> <td>± .010</td> </tr> <tr> <td>1 PLACE</td> <td>± .25</td> <td>± .010</td> </tr> <tr> <td>ANGULAR</td> <td>± .005</td> <td>°</td> </tr> </table>		mm	INCH	4 PLACES	± .13	± .005	3 PLACES	± .13	± .010	2 PLACES	± 0.25	± .010	1 PLACE	± .25	± .010	ANGULAR	± .005	°	DIMENSION STYLE IN/MM DRAWN BY: SSUDHIR DATE: 2004/06/08 CHECKED BY: GJLOWE DATE: 2004/06/08 APPROVED BY: GJLOWE DATE: 2004/06/08	SCALE: NTS DESIGN UNITS: INCH THIRD ANGLE PROJECTION	TITLE: HEADER HOUSING ASSEMBLY .084/(2.13)DIA.SERIES MOLEX INCORPORATED	MATERIAL NO. SDA-42002-***** DOCUMENT NO. SDA-42002-***** SHEET NO. 1 OF 2
		mm	INCH																					
4 PLACES	± .13	± .005																						
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1 PLACE	± .25	± .010																						
ANGULAR	± .005	°																						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				

PART NO.	ENG. NO.	CIRCUIT SIZE	MATERIAL (SEE NOTE 1)	INSULATOR PART NO.	PLATING (SEE NOTE 2)	TERMINAL PART NO.	*B* DIM ±.015
IO-84-4020	A-42002-2A IA I	2	A	42002-2A	A	42005-P921A	.17/(4,3)
IO-84-5020	A-42002-2C IA I		C	42002-2C	A	42005-P921A	
IO-84-4022	A-42002-2A2A I		A	42002-2A	A	42006-P921A	
IO-84-5021	A-42002-2C2A I		C	42002-2C	A	42006-P921A	
36759011	36759-0101		D	366480042	A	42005-P921A	
36759014	36759-0141	D	366480042	A	42006-P921A		
36757011	36757-0101	E	367570001	A	42005-P921A		
36757014	36757-0141	E	367570001	A	42006-P921A		
IO-84-4030	A-42002-3A IA I	3	A	42002-3A	A	42005-P921A	.17/(4,3)
IO-84-5030	A-42002-3C IA I		C	42002-3C	A	42005-P921A	
IO-84-4032	A-42002-3A2A I		A	42002-3A	A	42006-P921A	
IO-84-5031	A-42002-3C2A I		C	42002-3C	A	42006-P921A	
36759012	36759-0102		D	366480043	A	42005-P921A	
36759014	36759-0142	D	366480043	A	42006-P921A		
36757012	36757-0102	E	367570002	A	42005-P921A		
36757014	36757-0142	E	367570002	A	42006-P921A		
IO-84-4040	A-42002-4A IA I	4	A	42002-4A	A	42005-P921A	.17/(4,3)
IO-84-5040	A-42002-4C IA I		C	42002-4C	A	42005-P921A	
IO-84-4042	A-42002-4A2A I		A	42002-4A	A	42006-P921A	
IO-84-5041	A-42002-4C2A I		C	42002-4C	A	42006-P921A	
36759013	36759-0103		D	366480044	A	42005-P921A	
36759014	36759-0143	D	366480044	A	42006-P921A		
36757013	36757-0103	E	367570003	A	42005-P921A		
36757014	36757-0143	E	367570003	A	42006-P921A		
IO-84-4060	A-42002-6A IA I	6	A	42002-6A	A	42005-P921A	.17/(4,3)
IO-84-5060	A-42002-6C IA I		C	42002-6C	A	42005-P921A	
IO-84-4062	A-42002-6A2A I		A	42002-6A	A	42006-P921A	
IO-84-5061	A-42002-6C2A I		C	42002-6C	A	42006-P921A	
36759014	36759-0104		D	366480045	A	42005-P921A	
36759014	36759-0144	D	366480045	A	42006-P921A		
36757014	36757-0104	E	367570004	A	42005-P921A		
36757014	36757-0144	E	367570004	A	42006-P921A		
IO-84-4090	A-42002-9A IA I	9	A	42002-9A	A	42005-P921A	.17/(4,3)
IO-84-5090	A-42002-9C IA I		C	42002-9C	A	42005-P921A	
IO-84-4092	A-42002-9A2A I		A	42002-9A	A	42006-P921A	
IO-84-5091	A-42002-9C2A I		C	42002-9C	A	42006-P921A	
36759015	36759-0105		D	366480046	A	42005-P921A	
36759014	36759-0145	D	366480046	A	42006-P921A		
36757015	36757-0105	E	367570005	A	42005-P921A		
36757014	36757-0145	E	367570005	A	42006-P921A		
IO-84-4120	A-42002-12A IA I	12	A	42002-12A	A	42005-P921A	.17/(4,3)
IO-84-5120	A-42002-12C IA I		C	42002-12C	A	42005-P921A	
IO-84-4122	A-42002-12A2A I		A	42002-12A	A	42006-P921A	
IO-84-5121	A-42002-12C2A I		C	42002-12C	A	42006-P921A	
36759016	36759-0106		D	366480047	A	42005-P921A	
36759014	36759-0146	D	366480047	A	42006-P921A		
36757016	36757-0106	E	367570006	A	42005-P921A		
36757014	36757-0146	E	367570006	A	42006-P921A		
IO-84-4150	A-42002-15A IA I	15	A	42002-15A	A	42005-P921A	.17/(4,3)
IO-84-5150	A-42002-15C IA I		C	42002-15C	A	42005-P921A	
IO-84-4152	A-42002-15A2A I		A	42002-15A	A	42006-P921A	
IO-84-5151	A-42002-15C2A I		C	42002-15C	A	42006-P921A	
36759017	36759-0107		D	366480057	A	42005-P921A	
36759014	36759-0147	D	366480057	A	42006-P921A		
36757017	36757-0107	E	367570007	A	42005-P921A		
36757014	36757-0147	E	367570007	A	42006-P921A		

ENTER DESCRIPTION DATE: 2009/06/18 DRAWN BY: SSUDHIR CHECKED BY: GJLOWE APPROVED BY: GJLOWE	QUALITY SYMBOLS ▽=0 ▽-0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) DIM INCH 4 PLACES ±.005 ±.005 3 PLACES ±.013 ±.010 2 PLACES ±.025 ±.010 1 PLACE ±.025 ±.010 ANGULAR ±.005 ±.005	DIMENSION STYLE IN/MM	SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
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