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Part Number: [0010844150](#)
Status: **Active**
Overview: [mlx](#)
Description: 6.35mm (.250) Pitch MLX™ Power Connector Header, Vertical, 15 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, White

Documents:

[3D Model](#) [Product Specification PS-42022-0001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series 42002
 Application Wire-to-Board
 Comments Solder Type
 Overview [mlx](#)
 Product Name MLX™

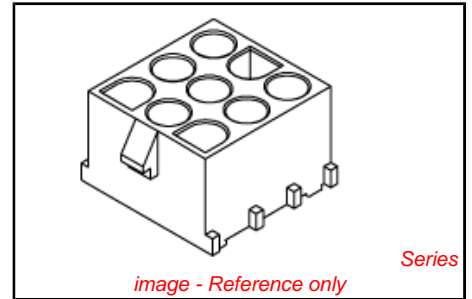
Physical

Breakaway No
 Circuits (Loaded) 15
 Circuits (maximum) 15
 Color - Resin Natural
 Durability (mating cycles max) 50
 First Mate / Last Break No
 Flammability 94V-2
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Keying to Mating Part Yes
 Lock to Mating Part Yes
 Material - Metal Phosphor Bronze
 Material - Plating Mating Tin
 Material - Resin Nylon
 Number of Rows 3
 Orientation Vertical
 PC Tail Length (in) 0.168 In
 PC Tail Length (mm) 4.27 mm
 PCB Retention Yes
 PCB Thickness Recommended (in) 0.125 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
 Shrouded Fully
 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

Solder Process Data



EU RoHS

ELV and RoHS Compliant
REACH SVHC Contains SVHC: No
Halogen-Free Status Not Reviewed

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
[42002Series](#)

Mates With
[42021 Plug](#)

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Wave Capable (TH only)
Process Temperature max. C	260

Material Info

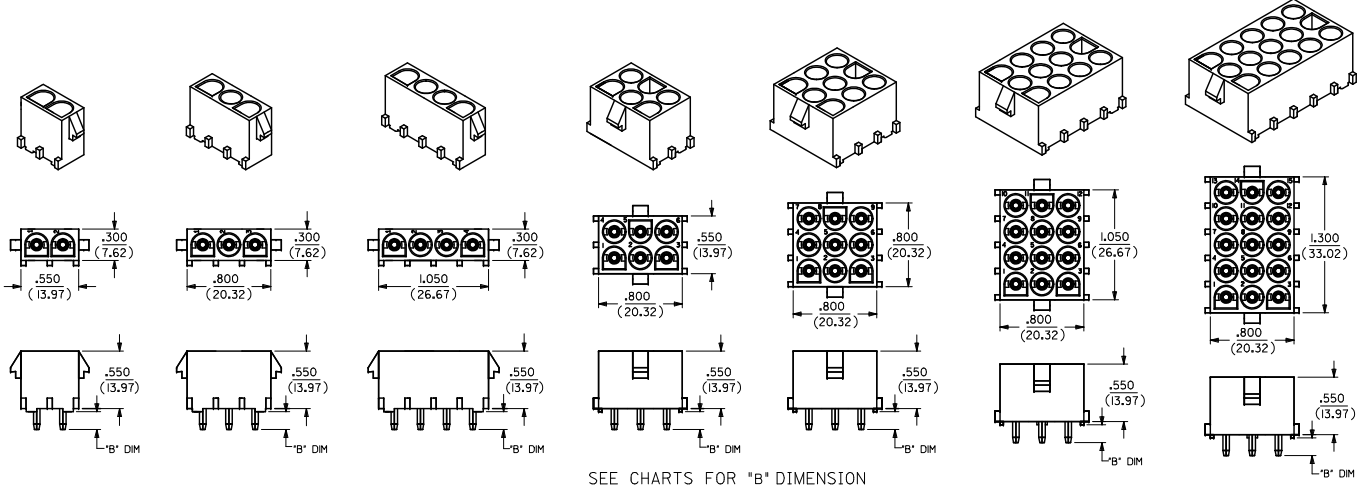
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Reference - Drawing Numbers

Packaging Specification	PK-43255-003
Product Specification	PS-42022-0001
Sales Drawing	SDA-42002-*****

This document was generated on 05/24/2010

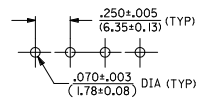
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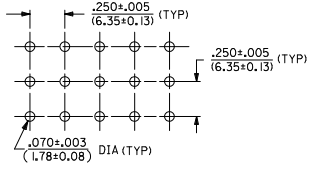
SEE CHARTS FOR "B" DIMENSION

P.C. BOARD MOUNTING DIMENSIONS

2, 3, & 4 POSITION HEADER ASSEMBLIES



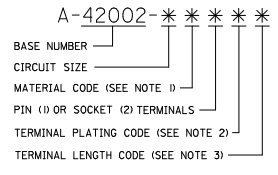
6, 9, 12 & 15 POSITION HEADER ASSEMBLIES



NOTES:

- 1) MATERIAL CODES:
 - *A*= NYLON 6/6, 94V-2, NATURAL
 - *C*= PLOYESTER, 94V-0, WHITE/NATURAL
 - *D*= NYLON V-2
 - COLOUR:BLACK(2YTEL 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	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	IN/MM	NTS	INCH	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	DATE	TITLE	
	▽=0	3 PLACES ± --- ± .005	SSUDHIR 2004/06/08	2004/06/08	HEADER HOUSING ASSEMBLY .084/(2.13)DIA.SERIES	
		2 PLACES ± 0.13 ± .010	CHECKED BY DATE			
		1 PLACE ± 0.25 ± ---	GJLOWE 2004/06/08			
		ANGULAR ± --- °	APPROVED BY DATE			
			GJLOWE 2004/06/08			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO.	DOCUMENT NO.		SHEET NO.
			SEE CHART	SDA-42002-*****		1 OF 2
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

PART NO.	ENG. NO.	CIRCUIT SIZE	MATERIAL (SEE NOTE 1)	INSULATOR PART NO.	PLATING (SEE NOTE 2)	TERMINAL PART NO.	*B* DIM ±.015
10-84-4020	A-42002-2A IA I	2	A	42002-2A	A	42005-P921A	.17/(4,3)
10-84-5020	A-42002-2C IA I		C	42002-2C	A	42005-P921A	
10-84-4022	A-42002-2A2A I		A	42002-2A	A	42006-P921A	
10-84-5021	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		
10-84-4030	A-42002-3A IA I	3	A	42002-3A	A	42005-P921A	.17/(4,3)
10-84-5030	A-42002-3C IA I		C	42002-3C	A	42005-P921A	
10-84-4032	A-42002-3A2A I		A	42002-3A	A	42006-P921A	
10-84-5031	A-42002-3C2A I		C	42002-3C	A	42006-P921A	
36759012	36759-0102		D	366480043	A	42005-P921A	
36757012	36757-0102	E	367570002	A	42005-P921A		
36757014	36757-0142	E	367570002	A	42006-P921A		
10-84-4040	A-42002-4A IA I	4	A	42002-4A	A	42005-P921A	.17/(4,3)
10-84-5040	A-42002-4C IA I		C	42002-4C	A	42005-P921A	
10-84-4042	A-42002-4A2A I		A	42002-4A	A	42006-P921A	
10-84-5041	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		
10-84-4060	A-42002-6A IA I	6	A	42002-6A	A	42005-P921A	.17/(4,3)
10-84-5060	A-42002-6C IA I		C	42002-6C	A	42005-P921A	
10-84-4062	A-42002-6A2A I		A	42002-6A	A	42006-P921A	
10-84-5061	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		
10-84-4090	A-42002-9A IA I	9	A	42002-9A	A	42005-P921A	.17/(4,3)
10-84-5090	A-42002-9C IA I		C	42002-9C	A	42005-P921A	
10-84-4092	A-42002-9A2A I		A	42002-9A	A	42006-P921A	
10-84-5091	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		
36757015	36757-0145	E	367570005	A	42006-P921A		
10-84-4120	A-42002-12A IA I	12	A	42002-12A	A	42005-P921A	.17/(4,3)
10-84-5120	A-42002-12C IA I		C	42002-12C	A	42005-P921A	
10-84-4122	A-42002-12A2A I		A	42002-12A	A	42006-P921A	
10-84-5121	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		
36757016	36757-0146	E	367570006	A	42006-P921A		
10-84-4150	A-42002-15A IA I	15	A	42002-15A	A	42005-P921A	.17/(4,3)
10-84-5150	A-42002-15C IA I		C	42002-15C	A	42005-P921A	
10-84-4152	A-42002-15A2A I		A	42002-15A	A	42006-P921A	
10-84-5151	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 UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED APPROVED BY: [Signature] DATE: 2010/01/27	QUALITY SYMBOLS ∇=0 ∇=0 ∇=0	GENERAL TOLERANCES (UNLESS SPECIFIED) DIM INCH 4 PLACES ±.0005 ±.0005 3 PLACES ±.013 ±.010 2 PLACES ±0.25 ±.005 1 PLACE ±0.25 ±.005 ANGULAR ±.005 ±.005	DIMENSION STYLE IN/MM	SCALE NTS INCH	DESIGN UNITS INCH	<input checked="" type="checkbox"/> THIRD ANGLE PROJECTION	DRAWN BY: SSUDHIR DATE: 2004/06/08	TITLE: HEADER HOUSING ASSEMBLY .084/12.13/DIA.SERIES
							CHECKED BY: GJLOWE DATE: 2004/06/08	APPROVED BY: GJLOWE DATE: 2004/06/08
DRAFT WHERE APPLICABLE MUST REMAIN WITH DIMENSIONS		SEE CHART		MATERIAL NO. SDA-42002-***** DOCUMENT NO.		SHEET NO. 2 OF 2		