

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

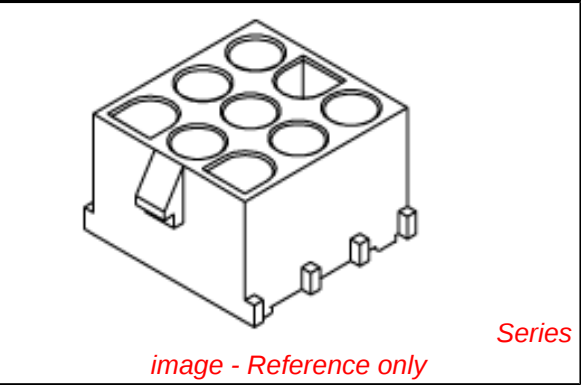
0010844032

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, 3 Circuits



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 Receptacles
Series	42002
Application	Wire-to-Board
Comments	High Vibration Application
Product Name	MLX™
Physical	
Circuits (Loaded)	3
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	
Old Part Number	A-42002-3A2A1

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

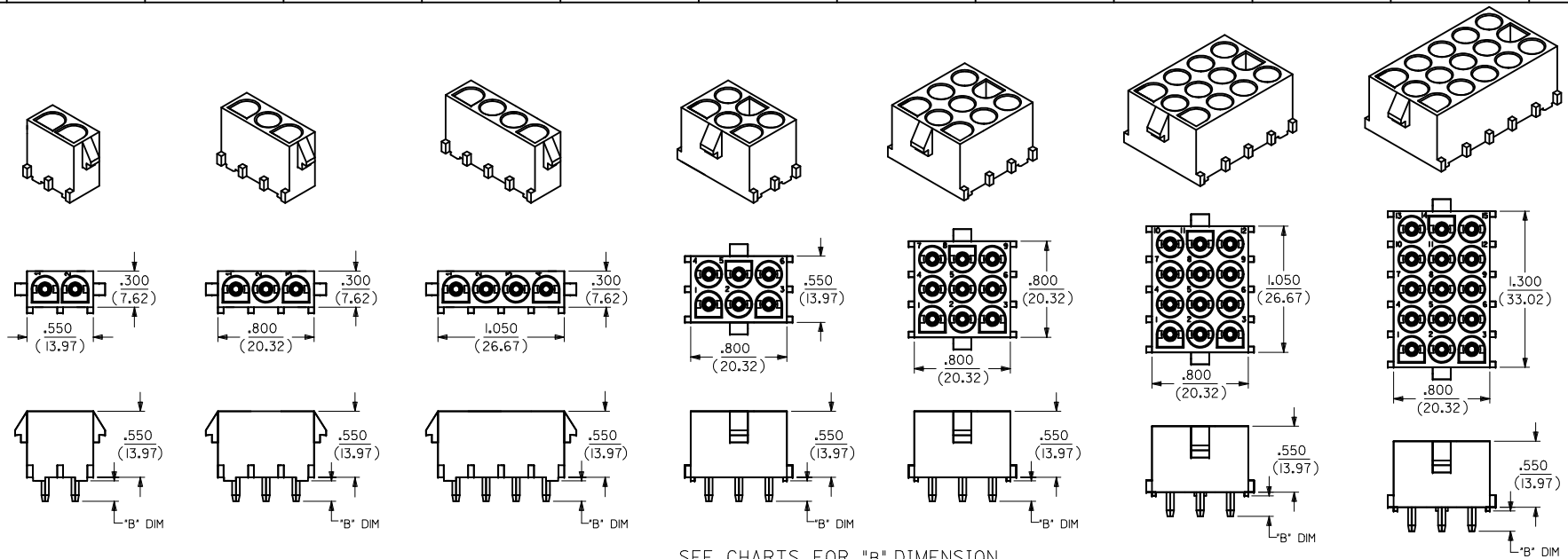
42021 , 42023

Reference - Drawing Numbers

Packaging Specification	PK-43255-001
Product Specification	PS-42022-0001
Sales Drawing	SDA-42002-*****

This document was generated on 06/07/2010

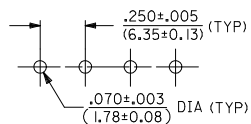
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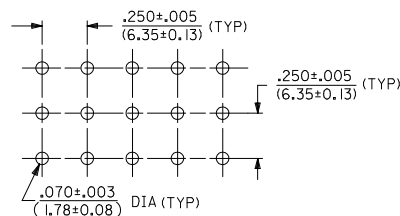
SEE CHARTS FOR "B" DIMENSION

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:

A-42002-***
BASE NUMBER
CIRCUIT SIZE
MATERIAL CODE (SEE NOTE 1)
PIN (1) OR SOCKET (2) TERMINALS
TERMINAL PLATING CODE (SEE NOTE 2)
TERMINAL LENGTH CODE (SEE NOTE 3)

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
EC NO: 12010-0067	2009/11/02	DRWNS01	2010/01/27	CHKO:GJLOWE	2010/01/27	APPR:KPRASAD	2010/01/27	4 PLACES ±---	±---	DRAWN BY SSUDHIR	DATE 2004/06/08
D1		REV		2 PLACES ±---		±.005		CHECKED BY GJLOWE		DATE 2004/06/08	
				1 PLACE ±0.13		±.010		APPROVED BY GJLOWE		DATE 2004/06/08	
				1 PLACE ±0.25		±---		MATERIAL NO.		DOCUMENT NO.	
				ANGULAR ±---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
								SEE CHART		SDA-42002-*****	
										SHEET NO. 1 OF 2	

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-42002-2A1A1	2	A	42002-2A	A	42005-P921A	.17/(4,3)												
10-84-5020	A-42002-2C1A1		C	42002-2C	A	42005-P921A													
10-84-4022	A-42002-2A2A1		A	42002-2A	A	42006-P921A													
10-84-5021	A-42002-2C2A1		C	42002-2C	A	42006-P921A													
367590101	36759-0101		D	366480042	A	42005-P921A													
367590141	36759-0141		D	366480042	A	42006-P921A													
367570101	36757-0101	3	E	367570001	A	42005-P921A													
367570141	36757-0141		E	367570001	A	42006-P921A													
10-84-4030	A-42002-3A1A1		A	42002-3A	A	42005-P921A	.17/(4,3)												
10-84-5030	A-42002-3C1A1		C	42002-3C	A	42005-P921A													
10-84-4032	A-42002-3A2A1		A	42002-3A	A	42006-P921A													
10-84-5031	A-42002-3C2A1		C	42002-3C	A	42006-P921A													
367590102	36759-0102	4	D	366480043	A	42005-P921A													
367590142	36759-0142		D	366480043	A	42006-P921A													
367570102	36757-0102		E	367570002	A	42005-P921A													
367570142	36757-0142		E	367570002	A	42006-P921A													
10-84-4040	A-42002-4A1A1		A	42002-4A	A	42005-P921A	.17/(4,3)												
10-84-5040	A-42002-4C1A1		C	42002-4C	A	42005-P921A													
10-84-4042	A-42002-4A2A1	6	A	42002-4A	A	42006-P921A													
10-84-5041	A-42002-4C2A1		C	42002-4C	A	42006-P921A													
367590103	36759-0103		D	366480044	A	42005-P921A													
367590143	36759-0143		D	366480044	A	42006-P921A													
367570103	36757-0103		E	367570003	A	42005-P921A													
367570143	36757-0143		E	367570003	A	42006-P921A													
10-84-4060	A-42002-6A1A1	9	A	42002-6A	A	42005-P921A	.17/(4,3)												
10-84-5060	A-42002-6C1A1		C	42002-6C	A	42005-P921A													
10-84-4062	A-42002-6A2A1		A	42002-6A	A	42006-P921A													
10-84-5061	A-42002-6C2A1		C	42002-6C	A	42006-P921A													
367590104	36759-0104		D	366480045	A	42005-P921A													
367590144	36759-0144		D	366480045	A	42006-P921A													
367570104	36757-0104	12	E	367570004	A	42005-P921A													
367570144	36757-0144		E	367570004	A	42006-P921A													
10-84-4090	A-42002-9A1A1		A	42002-9A	A	42005-P921A	.17/(4,3)												
10-84-5090	A-42002-9C1A1		C	42002-9C	A	42005-P921A													
10-84-4092	A-42002-9A2A1		A	42002-9A	A	42006-P921A													
10-84-5091	A-42002-9C2A1		C	42002-9C	A	42006-P921A													
367590105	36759-0105	15	D	366480046	A	42005-P921A													
367590145	36759-0145		D	366480046	A	42006-P921A													
367570105	36757-0105		E	367570005	A	42005-P921A													
367570145	36757-0145		E	367570005	A	42006-P921A													
10-84-4120	A-42002-12A1A1		12	A	42002-12A	A	42005-P921A	.17/(4,3)											
10-84-5120	A-42002-12C1A1			C	42002-12C	A	42005-P921A												
10-84-4122	A-42002-12A2A1	A		42002-12A	A	42006-P921A													
10-84-5121	A-42002-12C2A1	C		42002-12C	A	42006-P921A													
367590106	36759-0106	D		366480047	A	42005-P921A													
367590146	36759-0146	D		366480047	A	42006-P921A													
367570106	36757-0106	15	E	367570006	A	42005-P921A													
367570146	36757-0146		E	367570006	A	42006-P921A													
10-84-4150	A-42002-15A1A1		A	42002-15A	A	42005-P921A	.17/(4,3)												
10-84-5150	A-42002-15C1A1		C	42002-15C	A	42005-P921A													
10-84-4152	A-42002-15A2A1		A	42002-15A	A	42006-P921A													
10-84-5151	A-42002-15C2A1		C	42002-15C	A	42006-P921A													
367590107	36759-0107	15	D	366480057	A	42005-P921A													
367590147	36759-0147		D	366480057	A	42006-P921A													
367570107	36757-0107		E	367570007	A	42005-P921A													
367570147	36757-0147		E	367570007	A	42006-P921A													

ENTER DESCRIPTION EC NO.: 2009-0067 DRAWSN01 CHKS06/L0ME APPR04/RSAD 2009/11/02 2010/01/27 2010/01/27		QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><th></th><th>mm</th><th>INCH</th></tr><tr><td>4 PLACES</td><td>± .005</td><td>± .0005</td></tr><tr><td>3 PLACES</td><td>± .005</td><td>± .0005</td></tr><tr><td>2 PLACES</td><td>± 0.13</td><td>± 0.10</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± .010</td></tr></table> ANGULAR ± .005		mm	INCH	4 PLACES	± .005	± .0005	3 PLACES	± .005	± .0005	2 PLACES	± 0.13	± 0.10	1 PLACE	± 0.25	± .010	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 MOLEX INCORPORATED DOCUMENT NO. SDA-42002-***** SHEET NO. 2 OF 2
	mm	INCH																			
4 PLACES	± .005	± .0005																			
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D1 PREL	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE A THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																		

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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