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Part Number:

0010845030

Status:

Active

Overview:

mlx

Description:

6.35mm (.250) Pitch MLX™ Power Connector Header, Vertical, 3 Circuits, Polyester 94V-0, Tin (Sn) Plating, White

Documents:

3D Model

Drawing (PDF)

Product Specification PS-42022-0001 (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)

3

Circuits (maximum)

3

Color - Resin

Natural

Durability (mating cycles max)

50

First Mate / Last Break

No

Flammability

94V-0

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

Polyester

Number of Rows

1

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

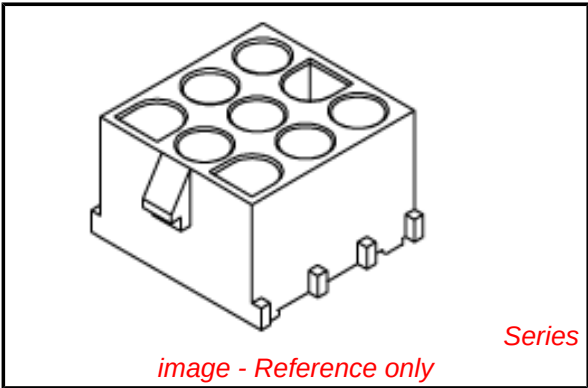
Through Hole

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 Halogen-Free

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

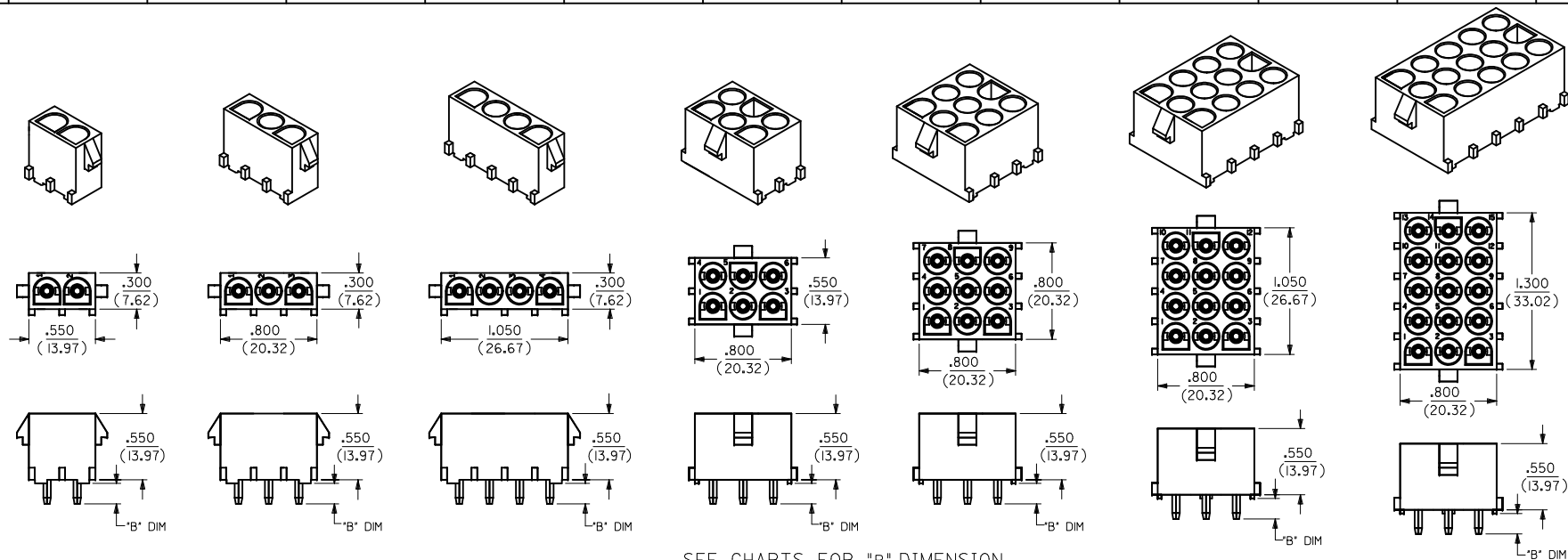
Old Part Number	42002-03C1A1
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Reference - Drawing Numbers

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

This document was generated on 05/24/2010

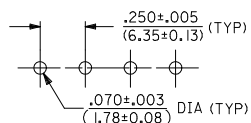
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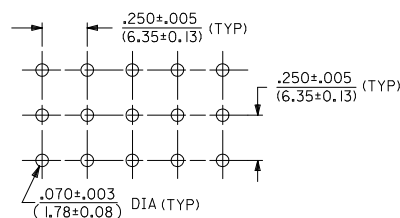
SEE CHARTS FOR "B" DIMENSION

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(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 DRWNS01 CHKO-GJLOWE APPR:KPRASAD D1		2009/11/02 2010/01/27 2010/01/27 2010/01/27 REV		mm		INCH		DRAWN BY	DATE	TITLE			
				4 PLACES ±---		±---		SSUDHIR		2004/06/08		HEADER HOUSING ASSEMBLY .084/(2.13)DIA.SERIES	
				3 PLACES ±---		±.005		CHECKED BY		DATE			
				2 PLACES ±0.13		±.010		GJLOWE		2004/06/08			
				1 PLACE ±0.25		±---		APPROVED BY		DATE			
				ANGULAR ±---°		GJLOWE		2004/06/08		MOLEX MOLEX INCORPORATED			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MATERIAL NO.		DOCUMENT NO.			
								SIZE A2		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
										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		15	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	D		366480057	A	42005-P921A													
367590147	36759-0147	D		366480057	A	42006-P921A													
367570107	36757-0107	15	E	367570007	A	42005-P921A													
367570147	36757-0147		E	367570007	A	42006-P921A													

ENTER DESCRIPTION EC NO.: 2009-11-02 DRAWSN01 2009/11/02 CHK0361.DWG 2010/01/27 APPRA04PSAD 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 ± ---°				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 2004/06/08 CHECKED BY GJLOWE 2004/06/08 APPROVED BY GJLOWE 2004/06/08		SCALE NTS DESIGN UNITS INCH THIRD ANGLE PROJECTION		TITLE HEADER HOUSING ASSEMBLY .084/(2.13)DIA.SERIES	
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D1			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE CHART SIZE A1		DOCUMENT NO. SDA-42002-***** MOLEX MOLEX INCORPORATED		SHEET NO. 2 OF 2																		
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Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331