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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

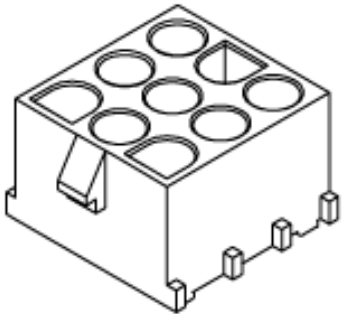


image - Reference only

Series

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

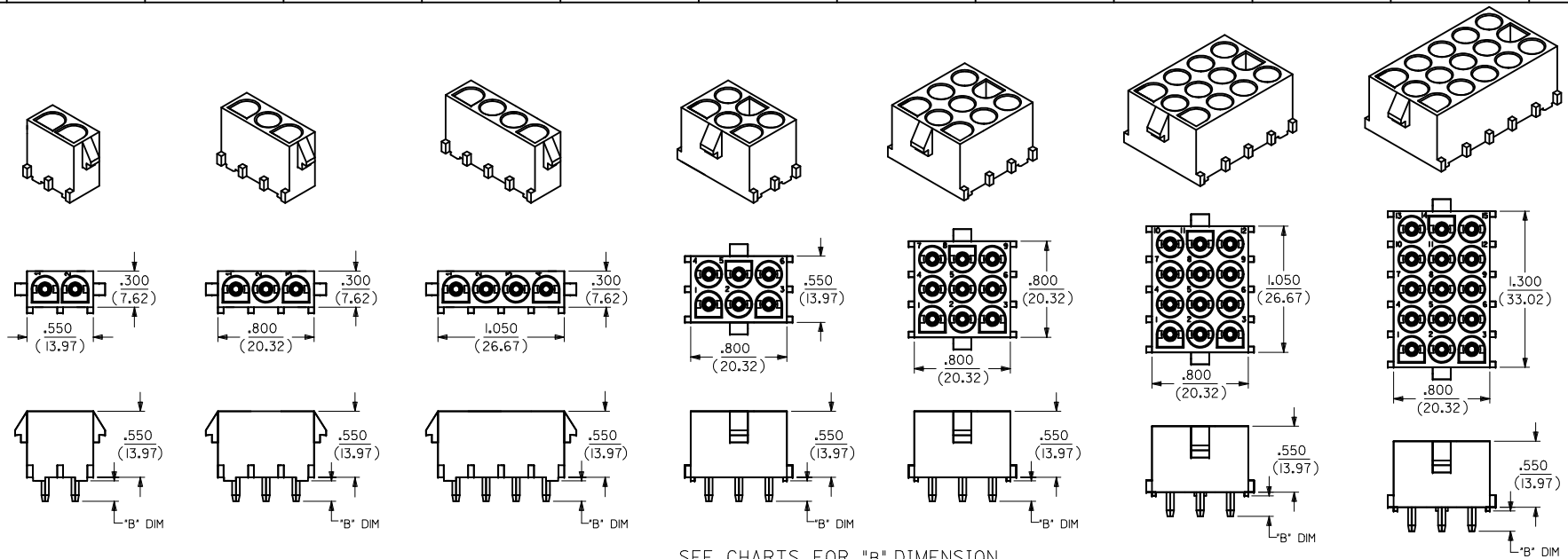
Old Part Number	42002-03C1A1
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Reference - Drawing Numbers

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

This document was generated on 05/24/2010

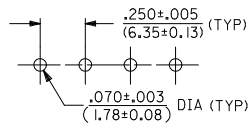
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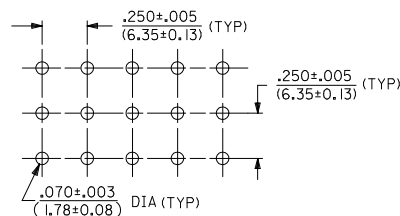
SEE CHARTS FOR "B" DIMENSION

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	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
								3 PLACES ±---	±.005	CHECKED BY GJLOWE	DATE 2004/06/08
								2 PLACES ±0.13	±.010	APPROVED BY GJLOWE	DATE 2004/06/08
								1 PLACE ±0.25	±---		
								ANGULAR ±---			
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
								MATERIAL NO. SEE CHART			
								DOCUMENT NO. SDA-42002-*****			
								SHEET NO. 1 OF 2			

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	5	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	6	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	9	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	12	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		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	15	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		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
DEC NO: 2010-0067
DRAWNS:SS01
CHKD:GJLOWE
APPR:KFRASAD
D1

2009/11/02
2010/01/27
2010/01/27

DESCRIPTION
REV

QUALITY SYMBOLS
▽=0
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mmINCH
4 PLACES ±.--- ±.---
3 PLACES ±.--- ±.005
2 PLACES ±.013 ±.010
1 PLACE ±.025 ±.---
ANGULAR ±---°
DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
IN/MM
DRAWN BY
SSUDHIR
CHECKED BY
GJLOWE
APPROVED BY
GJLOWE
MATERIAL NO.
SIZE
A1

DATE
2004/06/08
DATE
2004/06/08
DATE
2004/06/08

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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

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Rev. F 2009/06/18

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