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Part Number:

0010845150

Status:

Active

Overview:

mlx

Description:

6.35mm (.250) Pitch MLX™ Power Connector Header, Vertical, 15 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)

15

Circuits (maximum)

15

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

3

Orientation

Vertical

PC Tail Length (in)

0.168 In

PC Tail Length (mm)

4.27 mm

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 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

Pitch - Term. Interface (in)

0.250 In

Pitch - Term. Interface (mm)

6.35 mm

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Shrouded

Fully

Stackable

No

Surface Mount Compatible (SMC)

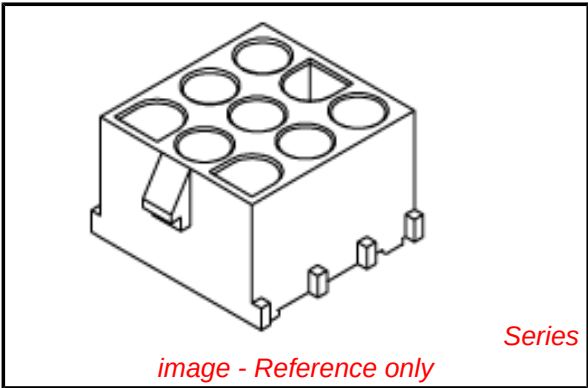
No

Temperature Range - Operating

-55°C to +105°C

Termination Interface: Style

Through Hole



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

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

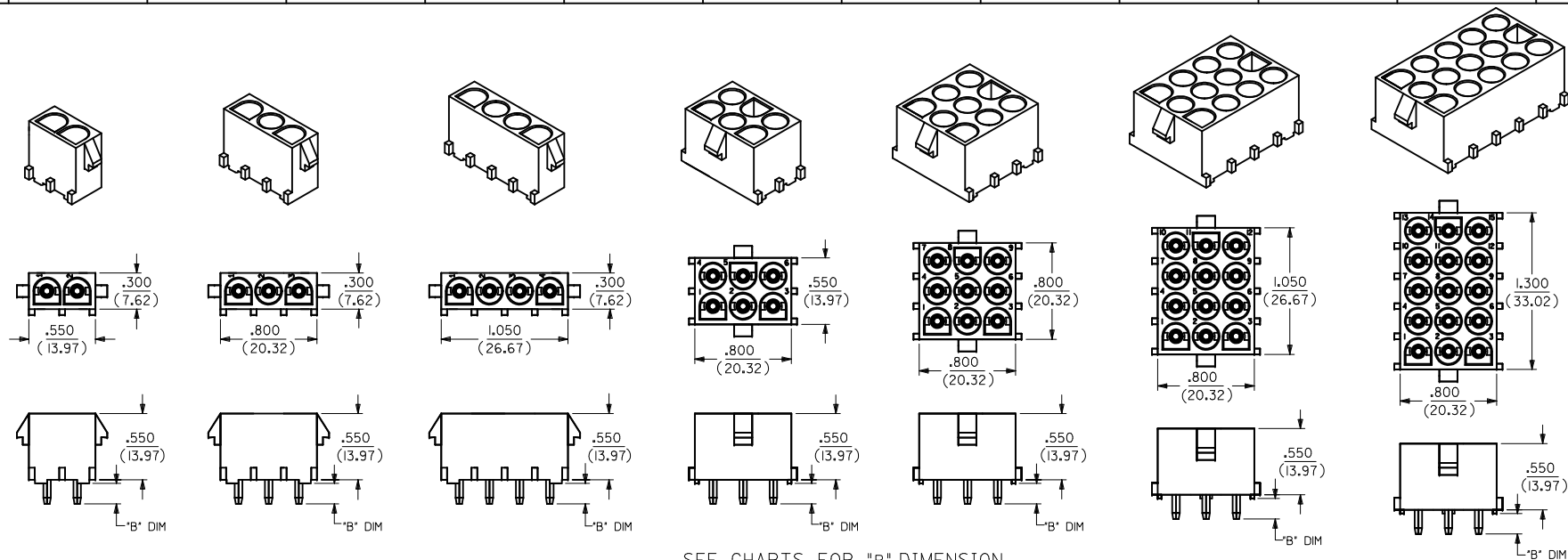
Old Part Number	42002-15C1A1
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Reference - Drawing Numbers

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

This document was generated on 05/24/2010

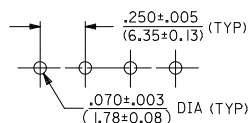
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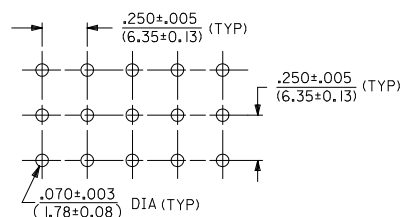
SEE CHARTS FOR "B" DIMENSION

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

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