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Part Number: [0010845091](#)
Status: **Active**
Description: 6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm (.084") Contact Diameter, Vertical, PCT Polyester, Tin (Sn), White, 9 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) 9
Color - Resin Natural
Durability (mating cycles max) 50
Flammability 94V-0
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Phosphor Bronze
Material - Plating Mating Tin
Material - Plating Termination Tin
Material - Resin Polyester
Number of Rows 3
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 42002-09C2A1

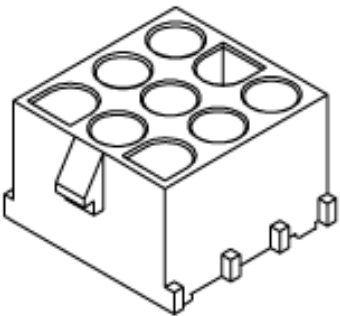


image - Reference only

Series

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](#)

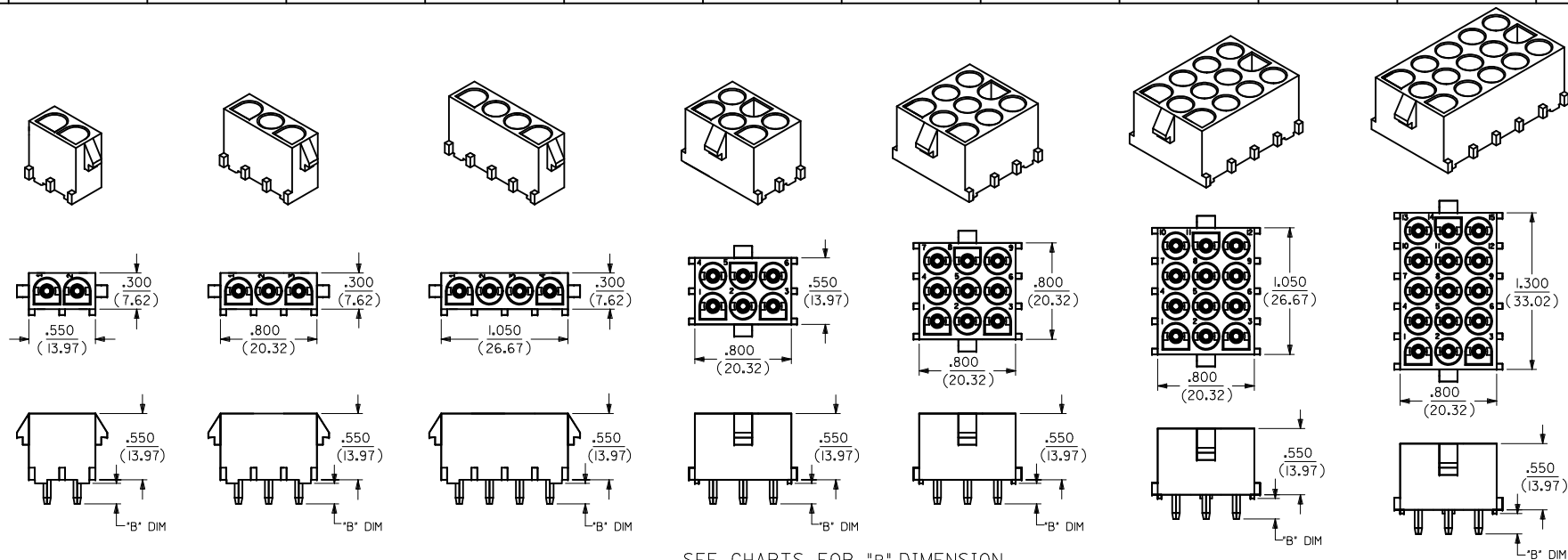
Mates With
[42021](#) , [42023](#)

Reference - Drawing Numbers

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

This document was generated on 06/07/2010

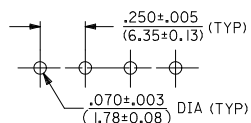
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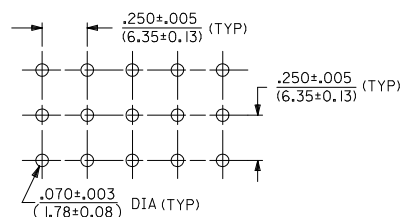
SEE CHARTS FOR "B" DIMENSION

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 DRWNS01 CHKO-GJLOWE APPR:KPRASAD D1		DESCRIPTION		mm INCH		DRAWN BY DATE		TITLE			
		▽=0		4 PLACES ± --- ± ---		SSUDHIR 2004/06/08		HEADER HOUSING ASSEMBLY .084/(12.13)DIA.SERIES			
		▽=0		3 PLACES ± --- ± .005		CHECKED BY DATE					
		▽=0		2 PLACES ± 0.13 ± .010		GJLOWE 2004/06/08					
		▽=0		1 PLACE ± 0.25 ± ---		APPROVED BY DATE					
				ANGULAR ± ---°		GJLOWE 2004/06/08		MOLEX MOLEX INCORPORATED			
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SDA-42002-*****		SHEET NO. 1 OF 2	
		REV				SIZE A		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

