

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0010845151

Status:

Active

Description:

6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm (.084") Contact Diameter, Vertical, PCT Polyester, Tin (Sn), White, 15 Circuits

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

Series

Application

Comments

Product Name

PCB Receptacles

42002

Wire-to-Board

High Vibration Application

MLX™

Physical

Circuits (Loaded)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Polarized to Mating Part

Polarized to PCB

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

15

Natural

50

94V-0

No

Yes

Phosphor Bronze

Tin

Tin

Polyester

3

Vertical

0.169 In

4.30 mm

None

0.062 In

1.60 mm

Bag

0.250 In

6.35 mm

Yes

No

No

-55°C to +105°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

13.5A

600V

Solder Process Data

Duration at Max. Process Temperature (seconds)

Lead-free Process Capability

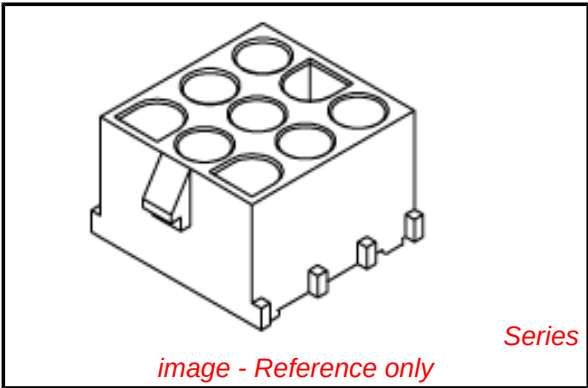
Process Temperature max. C

10

Wave Capable (TH only)

260

Material Info



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Not Reviewed



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

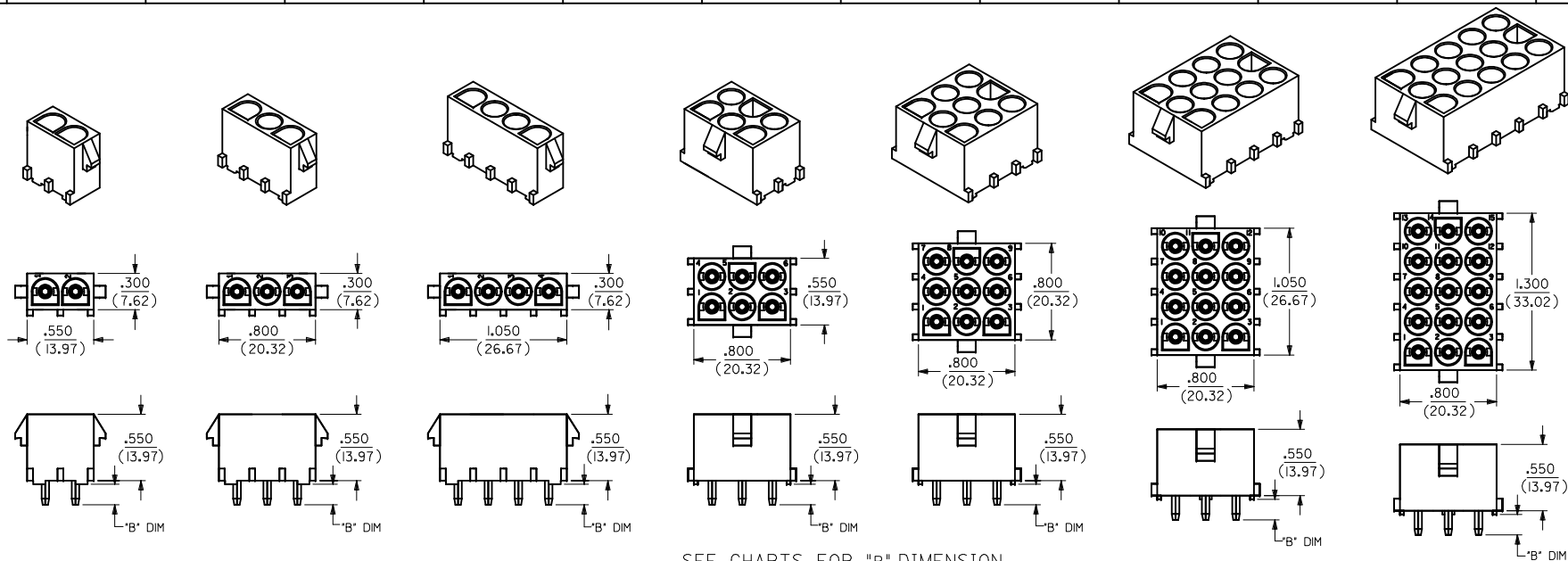
Mates With

42021 , 42023

Old Part Number	42002-15C2A1
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

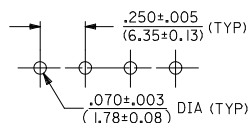
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



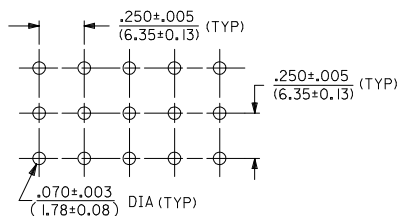
SEE CHARTS FOR "B" DIMENSION

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 EC NO: 12010-0067 DRWNS01 CHKD:GJLOWE APPR:KPRASAD D1		DESCRIPTION 2009/11/02 2010/01/27 2010/01/27	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
						DRAWN BY DATE		TITLE			
				4 PLACES ± --- ± ---		SSUDHIR 2004/06/08		HEADER HOUSING ASSEMBLY .084/(12.13)DIA.SERIES			
				3 PLACES ± --- ± .005		CHECKED BY DATE					
				2 PLACES ± 0.13 ± .010		GJLOWE 2004/06/08					
		1 PLACE ± 0.25 ± ---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED					
		ANGULAR ± ---°		GJLOWE 2004/06/08		DOCUMENT NO.					
				MATERIAL NO.		SEE CHART		SDA-42002-*****		SHEET NO.	
				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			

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		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 2009/11/02 DRAWNS:SS01 CHKD:GJLOWE APPR:KFRASAD 2010/01/27	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE NTS	DESIGN UNITS INCH	THIRD ANGLE PROJECTION	
						TITLE HEADER HOUSING ASSEMBLY .084/(2.13)DIA.SERIES			
		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		MOLEX INCORPORATED			
1 PLACE ± 0.25 ± ---		ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SDA-42002-*****		2 OF 2			
SIZE A 1		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							