

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0050842120

Status:

Active

Overview:

mlx

Description:

2.13mm (.084") Diameter MLX™ Pin and Socket Receptacle, 12 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-42022-0001 (PDF)

Product Specification PSX-42022-0002 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Crimp Housings

Series

42022

Comments

Glow Wire Equivalent Part Number 366440007

Overview

mlx

Product Name

MLX™

Physical

Circuits (maximum)

12

Circuits Detail

12

Color - Resin

Natural

Flammability

94V-2

Gender

Female

Glow-Wire Compliant

No

Keying to Mating Part

None

Lock to Mating Part

Yes

Material - Resin

Nylon

Number of Rows

3

Packaging Type

Bag

Panel Mount

Yes

Pitch - Mating Interface (in)

0.250 In

Pitch - Mating Interface (mm)

6.35 mm

Polarized to Mating Part

Yes

Stackable

No

Temperature Range - Operating

-55°C to +105°C

Material Info

Old Part Number

4202212A

Reference - Drawing Numbers

Packaging Specification

PK-42022-**

Product Specification

PS-42022-0001, PSX-42022-0002

Sales Drawing

SD-42022-**

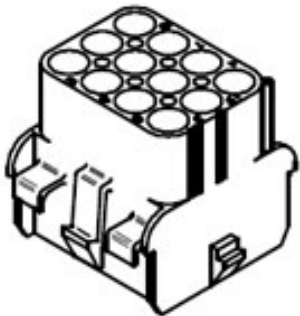


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

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

42022Series

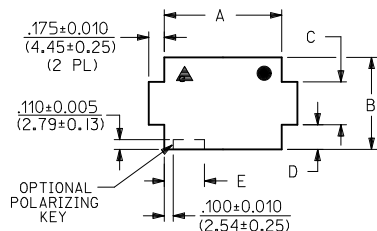
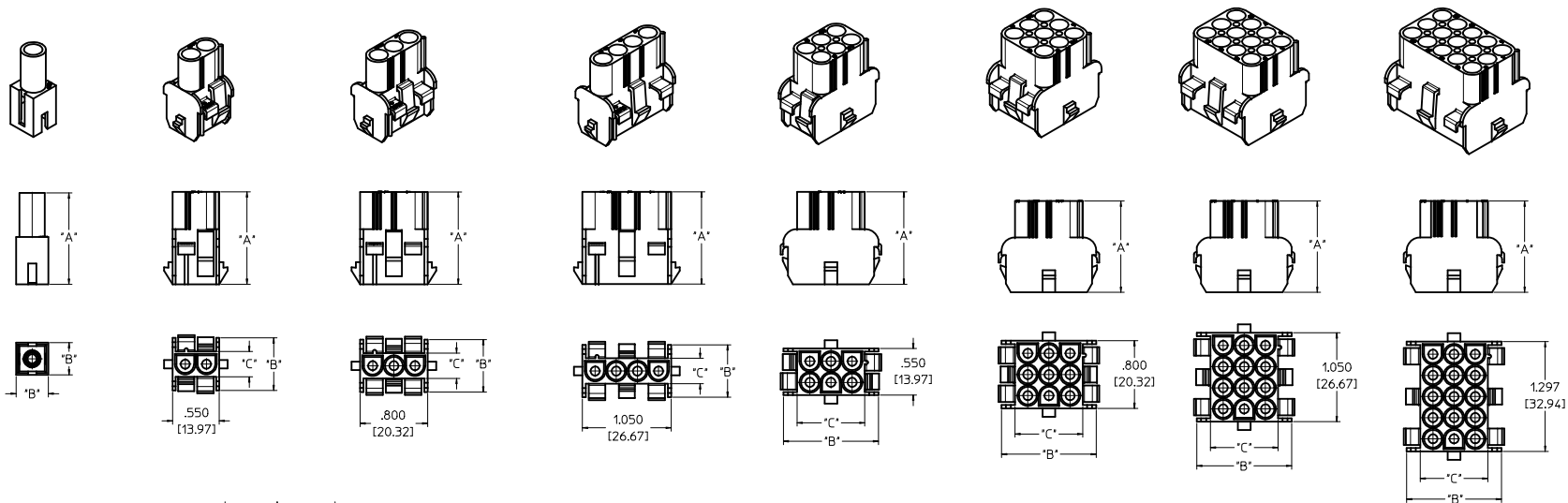
Mates With

42021 MLX™ Power Crimp Housing Plug

Use With

MLX Crimp Terminal 42023 , 42024

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RECOMMENDED PANEL CUTOUT

PANEL THICKNESS: .030-.090/(0.76-2.29)
(SEE NOTE 6)

CIRCUIT SIZE	DIMENSIONS				
	A*.005	B*.005	C*.010	D*.010	E*.010
2	.565 (14.35)	.530 (13.46)	.340 (8.64)	.095 (2.41)	.250 (6.35)
3	.815 (20.70)	.530 (13.46)	.340 (8.64)	.095 (2.41)	.250 (6.35)
4	1.065 (27.05)	.530 (13.46)	.340 (8.64)	.095 (2.41)	.250 (6.35)
6	.565 (14.35)	1.030 (26.16)	.480 (12.19)	.275 (6.99)	.250 (6.35)
8	2.065 (52.45)	.530 (13.46)	.340 (8.64)	.095 (2.41)	.250 (6.35)
9	.815 (20.70)	1.030 (26.16)	.480 (12.19)	.275 (6.99)	.250 (6.35)
12	1.065 (27.05)	1.030 (26.16)	.480 (12.19)	.275 (6.99)	.350 (8.89)
15	1.315 (33.40)	1.030 (26.16)	.480 (12.19)	.275 (6.99)	.350 (8.89)

▲ - CIRCUIT #1 LOCATION WHEN USING POLARIZING KEY OPTION WITH 2, 3, 4 AND 8 CIRCUIT HOUSINGS.

● - OPTION WITH 6, 9, 12 AND 15 CIRCUIT HOUSINGS.

NOTES:

1) MATERIAL CODES:

- *A* = PA6/6, V-2
COLOUR: NATURAL-TRANSLUCENT
- *C* = PA66/6, V-0
COLOUR: NATURAL-OPAQUE
- *D* = PA6, 94V-2
COLOUR-NATURAL
FOR GLOW WIRE APPLICATION WITH
CTI OF 325 VOLTS,AS PER IEC-60335-1 4TH EDITION
- *E* = NYLON PA6, 94V-2
COLOUR- BLACK (ZYTEL 101F)

2) UNLESS OTHERWISE INDICATED, DIMENSIONS ARE FOR REFERENCE ONLY.

3) CAP HOUSINGS MATE WITH :

- PLUG HOUSINGS, .084/(2.13) DIA. SERIES: (42021-**-*)

4) HOUSINGS DESIGNED TO BE USED WITH TERMINALS:

- PINS, .084/(2.13) DIA. SERIES: (42023-****)
- SOCKETS, .084/(2.13) DIA. SERIES: (42024-****)

5) CONTACTS ARE ON .250/(6.35) GRID CENTERLINE SPACING.

6) PANEL TO BE PUNCHED SO THAT THE HOUSING ENTERS THE PANEL OPPOSITE THE SIDE WITH THE BURR (I.E. OPPOSITE THE BREAK SIDE).

7) PRODUCT SPECIFICATION PS-42022-0001 APPLIES.

8) LEGEND SCHEME IS NOT APPLICABLE FOR GLOW WIRE COMPATIBLE PART NUMBERS

LEGEND:

42022-* *
BASE NUMBER | MATERIAL CODE (SEE NOTE 1)
CIRCUIT SIZE

ENTER DESCRIPTION EC NO: 2009-0548 2009/11/08 REVISED BY: 2009/11/23 CHG: 00000000 APPROVAL: 2009/12/01	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				DRAWN BY	DATE	TITLE			
				CHKD BY	DATE	HOUSING CAP			
				CHECKED BY	DATE	.084/(2.13) DIA. SERIES			
				APPROVED BY	DATE	MOLEX INCORPORATED			
				MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
				9999999999		SD-42022-***		1 OF 2	
				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)	STATUS	DIM. "A"	DIM. "B"	DIM. "C"
050-84-2010	42022-1A	1	A	ACTIVE	1.090 (27.70)	.380 (9.65)	----
050-84-2012	42022-1C	1	C	ACTIVE			
366440001	36644-001	1	D	ACTIVE			
366480021	36648-021	1	E	ACTIVE			
050-84-2020	42022-2A	2	A	ACTIVE	1.090 (27.70)	.620 (15.75)	.300 (7.62)
050-84-2022	42022-2C	2	C	ACTIVE			
366440002	36644-002	2	D	ACTIVE			
366480022	36648-022	2	E	ACTIVE			
050-84-2030	42022-3A	3	A	ACTIVE	1.090 (27.70)	.620 (15.75)	.300 (7.62)
050-84-2032	42022-3C	3	C	ACTIVE			
366440003	36644-003	3	D	ACTIVE			
366480023	36648-023	3	E	ACTIVE			
050-84-2040	42022-4A	4	A	ACTIVE	1.090 (27.70)	.620 (15.75)	.300 (7.62)
050-84-2042	42022-4C	4	C	ACTIVE			
366440004	36644-004	4	D	ACTIVE			
366480024	36648-024	4	E	ACTIVE			
050-84-2060	42022-6A	6	A	ACTIVE	1.090 (27.70)	1.120 (28.45)	.800 (20.32)
050-84-2062	42022-6C	6	C	ACTIVE			
366440005	36644-005	6	D	ACTIVE			
366480025	36648-025	6	E	ACTIVE			
050-84-2090	42022-9A	9	A	ACTIVE	1.090 (27.70)	1.120 (28.45)	.800 (20.32)
050-84-2092	42022-9C	9	C	ACTIVE			
366440006	36644-006	9	D	ACTIVE			
366480026	36648-026	9	E	ACTIVE			
050-84-2120	42022-12A	12	A	ACTIVE	1.090 (27.70)	1.120 (28.45)	.800 (20.32)
050-84-2122	42022-12C	12	C	ACTIVE			
366440007	36644-007	12	D	ACTIVE			
366480027	36648-027	12	E	ACTIVE			
050-84-2150	42022-15A	15	A	ACTIVE	1.090 (27.70)	1.120 (28.45)	.800 (20.32)
050-84-2152	42022-15C	15	C	ACTIVE			
366440008	36644-008	15	D	ACTIVE			
366480028	36648-028	15	E	ACTIVE			

ENTER DESCRIPTION EC NO: 12009-0548 2009/11/08 CHG APPR ASD 2009/11/23 APPROPRIASD 2009/12/07 D2	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.25 ± --- 1 PLACE ± 0.36 ± --- ANGULAR ± --- °	mm INCH DATE 8/7/11/15 DATE 8/7/11/15 DATE 8/7/11/15 DATE 8/7/11/15	DRAWN BY CHECKED BY GWF APPROVED BY GWF	TITLE HOUSING CAP .084/(12.13) DIA. SERIES		
		SEE CHART DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SD-42022-***	DOCUMENT NO. 	SHEET NO. 2 OF 2
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					