

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0050842020](#)  
**Status:** **Active**  
**Overview:** [mlx](#)  
**Description:** 2.13mm (.084") Diameter MLX™ Pin and Socket Receptacle, 2 Circuits

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PSX-42022-0002 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-42022-0001 (PDF)</a>	

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	Crimp Housings
Series	<a href="#">42022</a>
Comments	Glow Wire Equivalent Part Number <a href="#">366440002</a>
MolexKits	Yes
Overview	<a href="#">mlx</a>
Product Name	MLX™

**Physical**

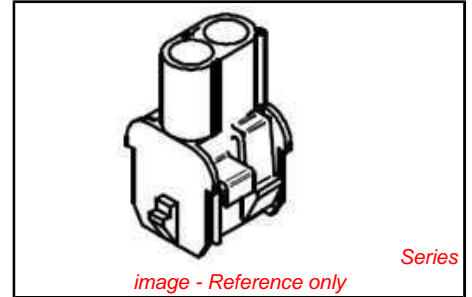
Circuits (maximum)	2
Circuits Detail	2
Color - Resin	Natural
Flammability	94V-2
Gender	Female
Glow-Wire Compliant	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Resin	Nylon
Number of Rows	1
Packaging Type	Bag
Panel Mount	Yes
Pitch - Mating Interface (in)	0.250 In
Pitch - Mating Interface (mm)	6.35 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-55°C to +105°C

**Material Info**

Old Part Number	42022-2A
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**Reference - Drawing Numbers**

Packaging Specification	PK-42022-**
Product Specification	PS-42022-0001, PSX-42022-0002
Sales Drawing	SD-42022-**



**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Halogen-Free**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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.

**China RoHS**



**Search Parts in this Series**

[42022Series](#)

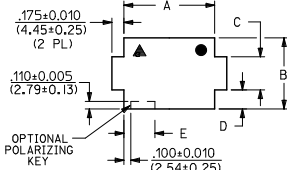
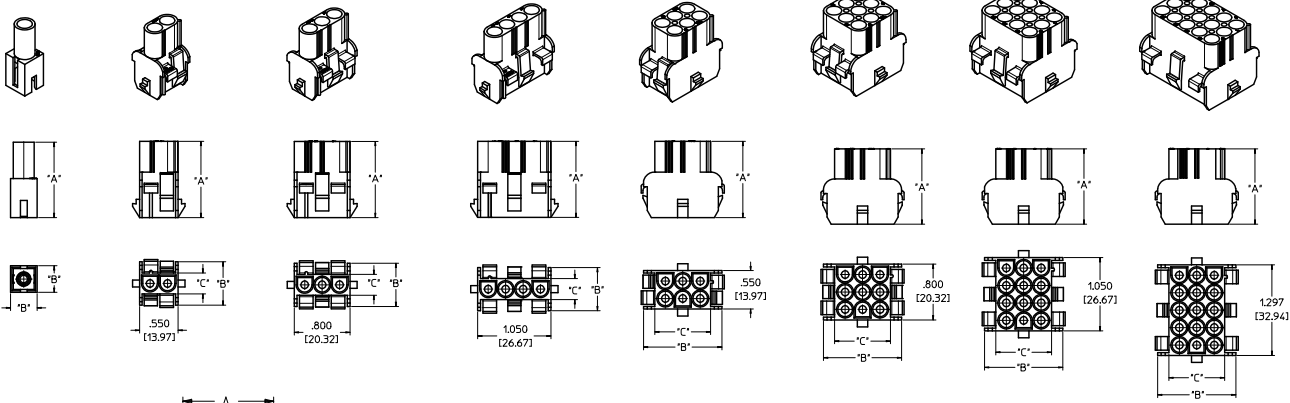
**Mates With**

[42021 MLX™ Power Crimp Housing Plug](#)

**Use With**

[MLX Crimp Terminal 42023](#) , [42024](#)

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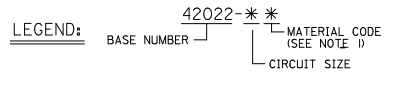
**RECOMMENDED PANEL CUTOUT**  
 PANEL THICKNESS: .030-.090/(0.76-2.29)  
 (SEE NOTE 6)

CIRCUIT SIZE	DIMENSIONS				
	A±.005	B±.005	C±0.02	D±0.10	E±0.10
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)	.350 (8.89)
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)	.350 (8.89)
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: (4202)-\*\*\*
- 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



<b>ENTER DESCRIPTION</b> IEC NO. 0009-548 IEC 60335-1 IEC 60335-2-11 IEC 60335-2-12 IEC 60335-2-13 IEC 60335-2-14 IEC 60335-2-15 IEC 60335-2-16 IEC 60335-2-17 IEC 60335-2-18 IEC 60335-2-19 IEC 60335-2-20 IEC 60335-2-21 IEC 60335-2-22 IEC 60335-2-23 IEC 60335-2-24 IEC 60335-2-25 IEC 60335-2-26 IEC 60335-2-27 IEC 60335-2-28 IEC 60335-2-29 IEC 60335-2-30 IEC 60335-2-31 IEC 60335-2-32 IEC 60335-2-33 IEC 60335-2-34 IEC 60335-2-35 IEC 60335-2-36 IEC 60335-2-37 IEC 60335-2-38 IEC 60335-2-39 IEC 60335-2-40 IEC 60335-2-41 IEC 60335-2-42 IEC 60335-2-43 IEC 60335-2-44 IEC 60335-2-45 IEC 60335-2-46 IEC 60335-2-47 IEC 60335-2-48 IEC 60335-2-49 IEC 60335-2-50 IEC 60335-2-51 IEC 60335-2-52 IEC 60335-2-53 IEC 60335-2-54 IEC 60335-2-55 IEC 60335-2-56 IEC 60335-2-57 IEC 60335-2-58 IEC 60335-2-59 IEC 60335-2-60 IEC 60335-2-61 IEC 60335-2-62 IEC 60335-2-63 IEC 60335-2-64 IEC 60335-2-65 IEC 60335-2-66 IEC 60335-2-67 IEC 60335-2-68 IEC 60335-2-69 IEC 60335-2-70 IEC 60335-2-71 IEC 60335-2-72 IEC 60335-2-73 IEC 60335-2-74 IEC 60335-2-75 IEC 60335-2-76 IEC 60335-2-77 IEC 60335-2-78 IEC 60335-2-79 IEC 60335-2-80 IEC 60335-2-81 IEC 60335-2-82 IEC 60335-2-83 IEC 60335-2-84 IEC 60335-2-85 IEC 60335-2-86 IEC 60335-2-87 IEC 60335-2-88 IEC 60335-2-89 IEC 60335-2-90 IEC 60335-2-91 IEC 60335-2-92 IEC 60335-2-93 IEC 60335-2-94 IEC 60335-2-95 IEC 60335-2-96 IEC 60335-2-97 IEC 60335-2-98 IEC 60335-2-99 IEC 60335-2-100	<b>QUALITY SYMBOLS</b> V=0 V=1 V=2 V=3 V=4 V=5 V=6 V=7 V=8 V=9 V=10 V=11 V=12 V=13 V=14 V=15 V=16 V=17 V=18 V=19 V=20 V=21 V=22 V=23 V=24 V=25 V=26 V=27 V=28 V=29 V=30 V=31 V=32 V=33 V=34 V=35 V=36 V=37 V=38 V=39 V=40 V=41 V=42 V=43 V=44 V=45 V=46 V=47 V=48 V=49 V=50 V=51 V=52 V=53 V=54 V=55 V=56 V=57 V=58 V=59 V=60 V=61 V=62 V=63 V=64 V=65 V=66 V=67 V=68 V=69 V=70 V=71 V=72 V=73 V=74 V=75 V=76 V=77 V=78 V=79 V=80 V=81 V=82 V=83 V=84 V=85 V=86 V=87 V=88 V=89 V=90 V=91 V=92 V=93 V=94 V=95 V=96 V=97 V=98 V=99 V=100	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> DIM. INCH 12 PLACES ±.0005 9 PLACES ±.001 6 PLACES ±.0025 3 PLACES ±.005 1 PLACE ±.015 ANGULAR ±.005 DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	<b>DESIGN STYLE</b> DIM ONLY DATE 8/11/15 DRAWN BY RK CHECKED BY DMF APPROVED BY DMF DATE 8/11/15	<b>SCALE</b> 2:1	<b>DESIGN UNITS</b> METRIC	<b>THIRD ANGLE PROJECTION</b>	<b>TITLE</b> HOUSING CAP .084/(2.13) DIA. SERIES	<b>MOLEX INCORPORATED</b>	<b>SHEET NO.</b> 1 OF 2	
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PART NO.	ENG. NO.	CIRCUIT SIZE	MATERIAL (SEE NOTE D)	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. 0009-0548 DATE 2009/11/15 APPROVED BY APPROVED DATE 2009/11/15	QUALITY SYMBOLS 0.00 0.05 0.10 0.15 0.20 0.25 0.30 0.35 0.40 0.45 0.50 0.55 0.60 0.65 0.70 0.75 0.80 0.85 0.90 0.95 1.00	GENERAL TOLERANCES (UNLESS SPECIFIED) DIM. INCH 15 PLACES ± .0005 12 PLACES ± .0005 9 PLACES ± .0005 6 PLACES ± .0005 3 PLACES ± .0005 1 PLACE ± 0.06	DIMENSION STYLE MM ONLY DRAWN BY DATE 8/11/15 CHECKED BY DATE 8/11/15 DIMF APPROVED BY DATE 8/11/15 DIMF	SCALE DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE HOUSING CAP .084/(12.13) DIA. SERIES	MOLEX INCORPORATED	SHEET NO. 2 OF 2
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART SEE THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MATERIAL NO. DOCUMENT NO. SD-42022-008	MOLEX INCORPORATED	SHEET NO. 2 OF 2	