

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

**Part Number:** [0366430007](#)  
**Status:** **Active**  
**Overview:** [MLX](#)  
**Description:** 2.13mm (.084") Diameter MLX™ Plug Housing, 12 Circuit, PA Polyamide Nylon 6/6 94V-2, Glow Wire Compatible

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Product Specification PS-42022-0001 \(PDF\)](#)

**General**

|                |                       |
|----------------|-----------------------|
| Product Family | Crimp Housings        |
| Series         | <a href="#">36643</a> |
| Overview       | <a href="#">MLX</a>   |
| Product Name   | MLX™                  |

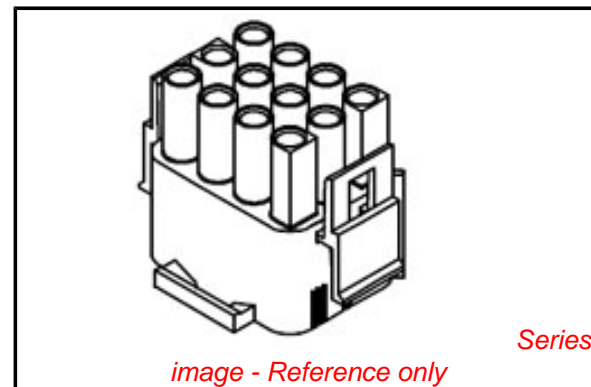
**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Circuits (maximum)            | 7               |
| Circuits Detail               | 7               |
| Color - Resin                 | Natural         |
| Gender                        | Plug            |
| Glow-Wire Compliant           | Yes             |
| Keying to Mating Part         | None            |
| Lock to Mating Part           | Yes             |
| Material - Resin              | Nylon           |
| Number of Rows                | 4               |
| Packaging Type                | Bag             |
| Panel Mount                   | No              |
| 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**

**Reference - Drawing Numbers**

|                       |               |
|-----------------------|---------------|
| Product Specification | PS-42022-0001 |
| Sales Drawing         | SD-42021-**   |



**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Not Reviewed**  
**Halogen-Free  
Status  
Not Reviewed**

**China RoHS**



**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.

**Search Parts in this Series**

[36643Series](#)

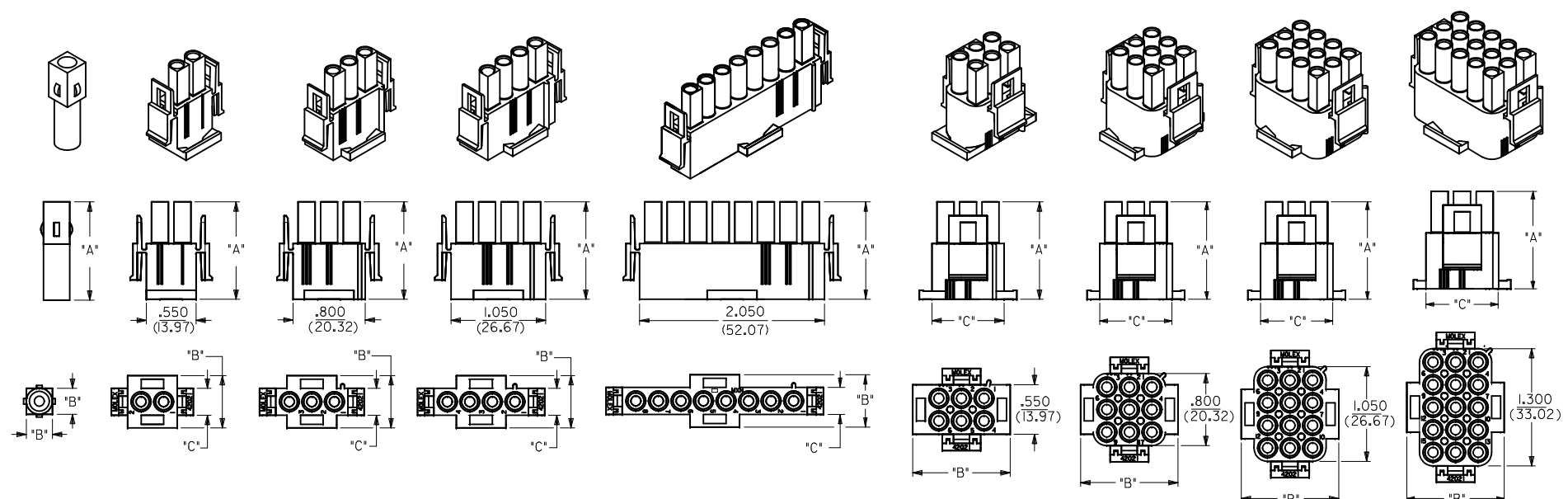
**Mates With**

[42022](#) Diameter MLX™ Pin and Socket Receptacle

**Use With**

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

13 12 11 10 9 8 7 6 5 4 3 2 1



|  |                                      |  |  |                                 |                     |  |                             |                     |
|--|--------------------------------------|--|--|---------------------------------|---------------------|--|-----------------------------|---------------------|
| <b>ENTER DESCRIPTION</b><br>EC NO: I2009-0552<br>DRWN: HMR01<br>CHKD: KPRASAD<br>APPR: KPRASAD<br>2009/12/01<br>2009/12/02<br>2009/12/15 | <b>QUALITY SYMBOLS</b><br>▽=0<br>▽=0 | <b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b> |  | <b>DIMENSION STYLE</b><br>IN/MM | <b>SCALE</b><br>1:1 | <b>DESIGN UNITS</b><br>INCH                              | THIRD ANGLE PROJECTION      |                     |
|  |                                      | 4 PLACES ± --- ± ---                         | 3 PLACES ± --- ± .010                                      | DRAWN BY<br>RK                  | DATE<br>87/11/16    | <b>TITLE</b><br>HOUSING, PLUG<br>.084/(2.13) DIA. SERIES |                             |                     |
|  |                                      | 2 PLACES ± 0.25 ± 0.14                       | 1 PLACE ± 0.36 ± ---                                       | CHECKED BY<br>GWF               | DATE<br>87/11/16    | MOLEX INCORPORATED                                       |                             |                     |
|  |                                      | ANGULAR ± ---°                               | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS | APPROVED BY<br>GWF              | DATE<br>87/11/16    | MATERIAL NO.<br>SEE TABLE                                | DOCUMENT NO.<br>SD-42021-** | SHEET NO.<br>1 OF 2 |

12 11 10 9 8 7 6 5 4 3 2 1

| PART NO.    | ENG. NO.  | CIRCUIT SIZE | MATERIAL (SEE NOTE 1) | DIM. "A" | DIM. "B"     | DIM. "C"    | STATUS   |
|-------------|-----------|--------------|-----------------------|----------|--------------|-------------|----------|
| 050-84-1010 | 42021-1A  | 1            | A                     |          |              |             | ACTIVE   |
| 050-84-1011 | 42021-1B  | 1            | B                     | 1.080    | .290         | ----        | VOID     |
| 050-84-1015 | 42021-1C  | 1            | C                     | (27.43)  | (7.37)       |             | ACTIVE   |
| 366430001   | 36643-001 | 1            | E                     |          |              |             | ACTIVE   |
| 050-84-1020 | 42021-2A  | 2            | A                     |          |              |             | ACTIVE   |
| 050-84-1021 | 42021-2B  | 2            | B                     | 1.080    | .580         | .300        | VOID     |
| 050-84-1025 | 42021-2C  | 2            | C                     | (27.43)  | (14.73)      | (7.62)      | ACTIVE   |
| 366430002   | 36643-002 | 2            | E                     |          |              |             | ACTIVE   |
| 050-84-1030 | 42021-3A  | 3            | A                     |          |              |             | ACTIVE   |
| 050-84-1031 | 42021-3B  | 3            | B                     | 1.080    | .580         | .300        | VOID     |
| 050-84-1035 | 42021-3C  | 3            | C                     | (27.43)  | (14.73)      | (7.62)      | ACTIVE   |
| 366430003   | 36643-003 | 3            | E                     |          |              |             | ACTIVE   |
| 050-84-1040 | 42021-4A  | 4            | A                     |          |              |             | ACTIVE   |
| 050-84-1041 | 42021-4B  | 4            | B                     | 1.080    | .580         | .300        | VOID     |
| 050-84-1045 | 42021-4C  | 4            | C                     | (27.43)  | (14.73)      | (7.62)      | ACTIVE   |
| 366430004   | 36643-004 | 4            | E                     |          |              |             | ACTIVE   |
| 050-84-1060 | 42021-6A  | 6            | A                     |          |              |             | ACTIVE   |
| 050-84-1061 | 42021-6B  | 6            | B                     | 1.080    | 1.080        | .800        | VOID     |
| 050-84-1065 | 42021-6C  | 6            | C                     | (27.43)  | (27.43)      | (20.32)     | ACTIVE   |
| 366430005   | 36643-005 | 6            | E                     |          |              |             | ACTIVE   |
| PRELIMINARY | 42021-8A  | 8            | A                     | 1.080    | .580         | .300        | ACTIVE   |
| PRELIMINARY | 42021-8B  | 8            | B                     | (27.43)  | (14.73)      | (7.62)      | ACTIVE   |
| PRELIMINARY | 42021-8C  | 8            | C                     |          |              |             | ACTIVE   |
| 050-84-1090 | 42021-9A  | 9            | A                     |          |              |             | ACTIVE   |
| 050-84-1091 | 42021-9B  | 9            | B                     | 1.080    | 1.080        | .800        | VOID     |
| 050-84-1095 | 42021-9C  | 9            | C                     | (27.43)  | (27.43)      | (20.32)     | ACTIVE   |
| 366430006   | 36643-006 | 9            | E                     |          |              |             | ACTIVE   |
| 050-84-1120 | 42021-12A | 12           | A                     |          |              |             | ACTIVE   |
| 050-84-1121 | 42021-12B | 12           | B                     | 1.080    | 1.080        | .800        | VOID     |
| 050-84-1125 | 42021-12C | 12           | C                     | (27.43)  | (27.43)      | (20.32)     | ACTIVE   |
| 366430007   | 36643-007 | 12           | E                     |          |              |             | ACTIVE   |
| 050-84-1150 | 42021-15A | 15           | A                     |          |              |             | ACTIVE   |
| 050-84-1151 | 42021-15B | 15           | B                     | 1.080    | 1.080        | .800        | VOID     |
| 050-84-1155 | 42021-15C | 15           | C                     | (27.43)  | (27.43)      | (20.32)     | ACTIVE   |
| 366430008   | 36643-008 | 15           | E                     |          |              |             | ACTIVE   |
| 366480001   | 36648-001 | 1            | D                     |          | .290(7.37)   | ----        | ACTIVE   |
| 366480002   | 36648-002 | 2            | D                     | 1.080    | .580         | .300        | ACTIVE   |
| 366480003   | 36648-003 | 3            | D                     | (27.43)  | (14.73)      | (7.62)      | ACTIVE   |
| 366480004   | 36648-004 | 4            | D                     |          |              |             | ACTIVE   |
| 366480005   | 36648-005 | 6            | D                     |          |              |             | ACTIVE   |
| 366480006   | 36648-006 | 9            | D                     | 1.080    | 1.080        | .800        | ACTIVE   |
| 366480007   | 36648-007 | 12           | D                     | (27.43)  | (27.43)      | (20.32)     | ACTIVE   |
| 366480008   | 36648-008 | 15           | D                     |          |              |             | ACTIVE   |
| 366410001   | 36641-001 | 4            | D                     | 1.080    | .580(14.73)  | .300(7.62)  | OBSOLETE |
| 366410002   | 36641-002 | 9            | D                     | (27.43)  | 1.080(27.43) | .800(20.32) | OBSOLETE |

**NOTES:**

1) MATERIAL CODES:

- "A"= NYLON TYPE 6/6, 94V-2  
COLOR: NATURAL (WHITE/TRANSLUCENT)
- "B"= NYLON TYPE 6/6, 94V-0  
COLOR: (BRICK RED)
- "C"= NYLON TYPE 6/6, 94V-0  
COLOR: NATURAL (WHITE)
- "D"= NYLON, 94V-2  
COLOR: BLACK (ZYTEL 101F)
- "E"= NYLON 94V-2  
COLOUR:NATURAL  
GLOW WIRE COMPATIBLE WITH CTI OF 325 VOLTS,  
ACCORDING TO IEC 60335-4TH EDITION

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

3) PLUG HOUSINGS MATE WITH :  
- CAP HOUSINGS, .084/(2.13) DIA. SERIES: (42022-\*\*\*)  
- HEADER ASSEMBLY HOUSINGS, .084/(2.13) DIA. SERIES: (A-42002-\*\*\*\*\*)

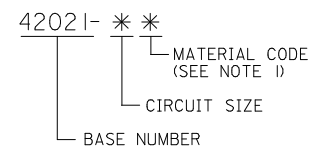
4) HOUSINGS DESIGNED TO BE USED WITH TERMINALS :  
- PINS, .084/(2.13) DIA. SERIES: (42023-\*\*\*\*)  
- SOCKETS, .084/(2.13) DIA. SERIES: (42024-\*\*\*\*)

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

6) PRODUCT SPECIFICATION PS-42022-0001 APPLIES.

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

**LEGEND:**



| 10                 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|--------------------|---|---|---|---|---|---|---|---|---|
| fb_frame_A2_P_AM_T |   |   |   |   |   |   |   |   |   |
| Rev. E 2006/04/15  |   |   |   |   |   |   |   |   |   |

|  |                               |                                       |         |   |                  |   |                             |                        |           |
|--|-------------------------------|---------------------------------------|---------|---|------------------|---|-----------------------------|------------------------|-----------|
| <b>ENTER DESCRIPTION</b><br>EC NO: I2009-055Z<br>DRAWN: HMR01 2009/12/01<br>CHKD: KRASAD 2009/12/02<br>APPR: KRASAD 2009/12/15<br>C4 | QUALITY SYMBOLS<br>▽=0<br>▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |         | DIMENSION STYLE<br><b>IN/MM</b>   |                  | SCALE<br><b>1:1</b>                                   | DESIGN UNITS<br><b>INCH</b> | THIRD ANGLE PROJECTION |           |
|  |                               | 4 PLACES ± --- ± ---                  | mm INCH | DRAWN BY<br>RK  | DATE<br>87/11/16 | TITLE<br><b>HOUSING, PLUG .084/(2.13) DIA. SERIES</b> |                             |                        |           |
|  |                               | 3 PLACES ± --- ± .010                 |         | CHECKED BY<br>GWF   | DATE<br>87/11/16 | MATERIAL NO.  |                             |                        |           |
|  |                               | 2 PLACES ± 0.25 ± 0.14                |         | APPROVED BY<br>GWF  | DATE<br>87/11/16 | <b>MOLEX INCORPORATED</b>                             |                             | DOCUMENT NO.           | SHEET NO. |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS   |                               | <b>SEE TABLE</b>                      |         | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                  | <b>SD-42021-***</b>                                   |                             | 2 OF 2                 |           |

| 10 | 9  | 8  | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|----|----|----|---|---|---|---|---|---|---|
| 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 |