

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0365380016

Status:

Active

Overview:

[mlx](#)

Description:

6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Compliant Polarizing Peg, 15 Circuits, Unreinforced Polyester 94V-0, White

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PSX-42002-0001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General

|                |                     |
|----------------|---------------------|
| Product Family | PCB Headers         |
| Series         | 36538               |
| Application    | Wire-to-Board       |
| Overview       | <a href="#">mlx</a> |
| Product Name   | MLX™                |

Physical

|                                |                               |
|--------------------------------|-------------------------------|
| Breakaway                      | No                            |
| Circuits (Loaded)              | 15                            |
| Circuits (maximum)             | 15                            |
| Circuits Detail                | With Compliant Polarizing Peg |
| Color - Resin                  | Natural                       |
| Durability (mating cycles max) | 50                            |
| First Mate / Last Break        | No                            |
| Glow-Wire Compliant            | No                            |
| Guide to Mating Part           | No                            |
| Keying to Mating Part          | None                          |
| Lock to Mating Part            | Yes                           |
| Material - Metal               | Phosphor Bronze               |
| Material - Plating Mating      | Tin-Lead                      |
| Material - Resin               | Polyester                     |
| Number of Rows                 | 5                             |
| Orientation                    | Vertical                      |
| PCB Locator                    | Yes                           |
| PCB Retention                  | Yes                           |
| PCB Thickness Recommended (in) | 0.062 In                      |
| PCB Thickness Recommended (mm) | 1.57 mm                       |
| Packaging Type                 | Bag                           |
| Pitch - Mating Interface (in)  | 0.250 In                      |
| Pitch - Mating Interface (mm)  | 6.35 mm                       |
| Pitch - Term. Interface (in)   | 0.250 In                      |
| Pitch - Term. Interface (mm)   | 6.35 mm                       |
| Plating min: Mating (µin)      | 20                            |
| Plating min: Mating (µm)       | 0.51                          |
| Polarized to Mating Part       | Yes                           |
| Polarized to PCB               | Yes                           |
| Shrouded                       | Fully                         |
| Stackable                      | No                            |
| Surface Mount Compatible (SMC) | No                            |
| Temperature Range - Operating  | -55°C to +105°C               |
| Termination Interface: Style   | Through Hole                  |

Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 9A   |
| Voltage - Maximum             | 600V |

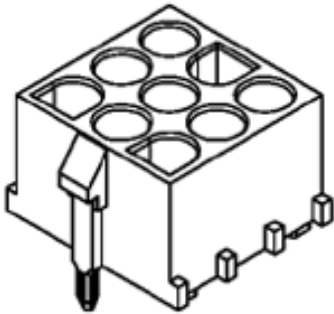


image - Reference only

Series

|                          |                            |
|--------------------------|----------------------------|
| <a href="#">EU RoHS</a>  | <a href="#">China RoHS</a> |
| <b>Compliance Status</b> |                            |
| <b>Not Reviewed</b>      |                            |
| <b>REACH SVHC</b>        |                            |
| <b>Not Reviewed</b>      |                            |
| <b>Halogen-Free</b>      |                            |
| <b>Status</b>            |                            |
| <b>Not Reviewed</b>      |                            |

**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**  
36538Series

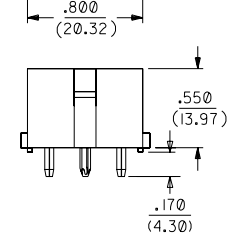
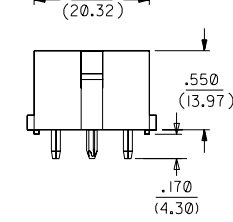
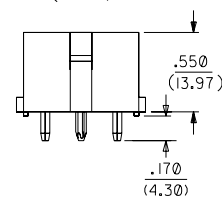
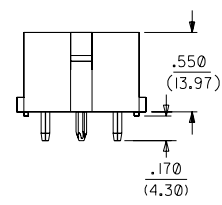
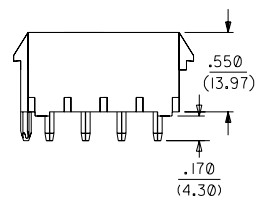
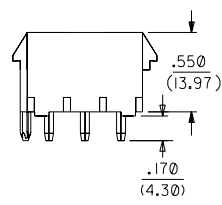
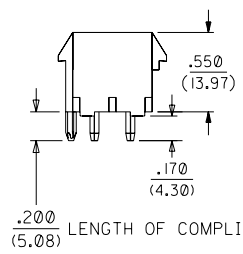
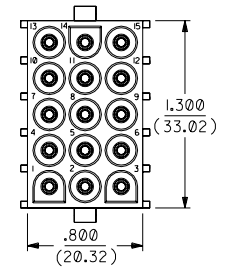
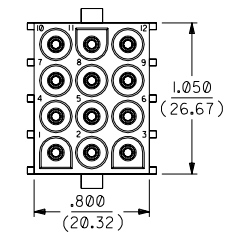
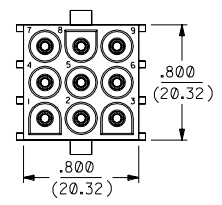
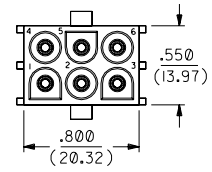
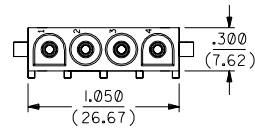
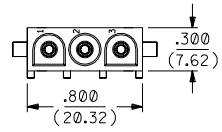
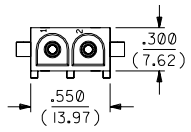
**Material Info**

**Reference - Drawing Numbers**

|                       |                |
|-----------------------|----------------|
| Product Specification | PSX-42002-0001 |
| Sales Drawing         | SD-36538-001   |

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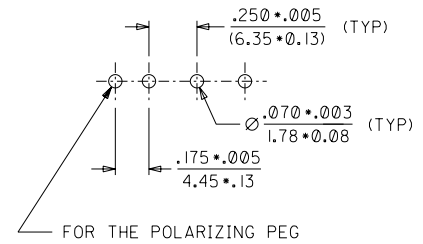
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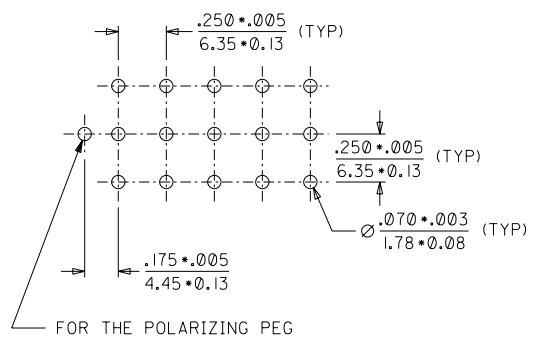
LENGTH OF COMPLIANT/POLARIZING PEG (TYP)

### P.C. BOARD MOUNTING DIMENSIONS

#### 2, 3 & 4 POSITION HEADER ASSEMBLIES



#### 6, 9, 12 & 15 POSITION HEADER ASSEMBLY



### NOTES:

- MATERIAL CODES:  
HOUSING :  
\*A= UNREINFORCED POLYESTER, 94V-0.  
COLOR: WHITE  
\*B= UNREINFORCED POLYESTER, 94V-0.  
COLOR: BRICK RED  
\*C= NYLON (PA66), UL94V-2  
COLOR: WHITE, TRANSLUCENT  
TERMINAL : PHOSPHOR BRONZE
- FINISH:  
TIN-LEAD 20 MICROINCH (0.51 MICRONS) MINIMUM
- TERMINAL LENGTH IS SUITABLE FOR .062/(1.57) THICK P.C BOARD
- DIMENSIONS ARE FOR REFERENCE ONLY UNLESS INDICATED OTHERWISE.
- HEADER ASSEMBLY HOUSINGS MATE WITH :  
- PLUG HOUSINGS, .084/(2.13) DIA. SERIES: (42021-\*\*)
- CONTACTS ARE ON .250/(6.35) GRID CENTERLINE SPACING.

|                                                                                 |     |             |                                          |                                                                      |                                  |                                                                                                                                   |                                                                                      |                                                                                                                 |                                                                                                                         |  |                     |     |           |
|---------------------------------------------------------------------------------|-----|-------------|------------------------------------------|----------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--|---------------------|-----|-----------|
| EC NO.I 2003-0027<br>DRW:SS,S 20/01/03<br>CHK: G.L 20/01/03<br>APP:G.L 20/01/03 |     | DESCRIPTION | QUALITY SYMBOLS<br><br>MAJOR<br>CRITICAL | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)                            |                                  | SCALE<br>1.5:1                                                                                                                    | DESIGN UNITS<br><input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH |  THIRD ANGLE<br>PROJECTION | DIMENSIONS:<br><input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH<br><input type="checkbox"/> mm ONLY |  |                     | SHT | REV       |
|                                                                                 |     |             |                                          | <input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH | <input type="checkbox"/> mm ONLY | REVISE ON<br>CAD ONLY                                                                                                             |                                                                                      |                                                                                                                 |                                                                                                                         |  |                     |     |           |
| A1                                                                              | REV |             |                                          |                                                                      | mm                               | INCH                                                                                                                              | DRAWN BY & DATE<br>S.S 01/09/28                                                      |                                                                                                                 | TITLE:<br>HEADER HOUSING ASSEMBLIES<br>.084/(2.13) SERIES<br>WITH COMPLIANT/POLARISING PEG                              |  |                     |     |           |
|                                                                                 |     |             |                                          | 4 PLACES                                                             | ±0.                              | ±.                                                                                                                                |                                                                                      |                                                                                                                 |                                                                                                                         |  |                     |     |           |
|                                                                                 |     |             |                                          | 3 PLACES                                                             | ±0.                              | ±. 010                                                                                                                            | CHECKED BY & DATE<br>G.L 01/09/28                                                    |                                                                                                                 |                                                                                                                         |  |                     |     |           |
|                                                                                 |     |             |                                          | 2 PLACES                                                             | ±0.25                            | ±. 014                                                                                                                            | APPROVED BY & DATE<br>G.L 01/09/28                                                   |                                                                                                                 |                                                                                                                         |  |                     |     |           |
|                                                                                 |     |             |                                          | 1 PLACE                                                              | ±0.36                            | ±.                                                                                                                                | MOLEX INCORPORATED                                                                   |                                                                                                                 |                                                                                                                         |  |                     |     |           |
|                                                                                 |     |             |                                          | ANGULAR: ± 1/2°                                                      |                                  | CAD FILENAME<br>SD-36538-001.S01                                                                                                  |                                                                                      | MATERIAL NO.<br>SEE SHEET2                                                                                      | DRAWING NO.<br>SD-36538-001                                                                                             |  | SHEET NO.<br>1 OF 2 |     |           |
|                                                                                 |     |             |                                          | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS              |                                  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                                      |                                                                                                                 |                                                                                                                         |  |                     |     | SIZE<br>C |

|                                                                                               |            |              |                                |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|-----------------------------------------------------------------------------------------------|------------|--------------|--------------------------------|---------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------|-----|-----|---|
|                                                                                               | I3         | I2           | I1                             | I0                                                      | 9  | 8                                                                                                                                                                                | 7 | 6                                                                                       | 5                                                                                              | 4                                                                                                 | 3                                                                                                                             | 2                   |     |     |   |
| J                                                                                             | ITEM NO.   | CIRCUIT SIZE | MATERIAL COLOR<br>(SEE NOTE 1) |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | J   |   |
|                                                                                               | 36538-0001 | 2            | A                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0002 |              | B                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0003 |              | C                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0004 | 3            | A                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0005 |              | B                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0006 |              | C                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
| I                                                                                             | 36538-0007 | 9            | A                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | I   |   |
|                                                                                               | 36538-0008 |              | B                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0009 |              | C                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0010 |              | A                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0011 | 4            | B                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0012 |              | C                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0013 |              | A                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
| H                                                                                             | 36538-0014 | 6            | B                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | H   |   |
|                                                                                               | 36538-0015 |              | C                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0016 |              | A                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0017 | 15           | B                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0018 |              | C                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               | 36538-0019 |              | A                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
| G                                                                                             | 36538-0020 | 12           | B                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | G   |   |
|                                                                                               | 36538-0021 |              | C                              |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
| F                                                                                             |            |              |                                |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | F   |   |
| E                                                                                             |            |              |                                |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | E   |   |
| D                                                                                             |            |              |                                |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | D   |   |
| C                                                                                             |            |              |                                |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | C   |   |
| B                                                                                             |            |              |                                |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | B   |   |
| A                                                                                             |            |              |                                |                                                         |    |                                                                                                                                                                                  |   |                                                                                         |                                                                                                |                                                                                                   |                                                                                                                               |                     |     | A   |   |
| <div>EC NO.I 2003-0027<br/>DRWNS.S 20/01/03<br/>CHK: G.L 20/01/03<br/>APPR:G.L 20/01/03</div> |            |              |                                | <div>QUALITY SYMBOLS<br/>MAJOR =<br/>CRITICAL C =</div> |    | <div>GENERAL TOLERANCES:<br/>(UNLESS SPECIFIED)<br/>mm INCH<br/>4 PLACES ±0. ±.<br/>3 PLACES ±0. ±. 010<br/>2 PLACES ±0.25 ±. 014<br/>1 PLACE ±0.36 ±.<br/>ANGULAR: ± 1/2°</div> |   | <div>SCALE<br/>DRAWN BY &amp; DATE<br/>S.S 01/09/28</div>                               | <div>DESIGN UNITS<br/><input type="checkbox"/>mm <input checked="" type="checkbox"/>INCH</div> | <div><div><input type="radio"/></div><div><input type="radio"/></div>THIRD ANGLE PROJECTION</div> | <div>DIMENSIONS:<br/><input type="checkbox"/>mm <input checked="" type="checkbox"/>INCH <input type="checkbox"/>mm ONLY</div> |                     | SHT | REV |   |
|                                                                                               |            |              |                                |                                                         |    | CHECKED BY & DATE<br>G.L 01/09/28                                                                                                                                                |   | TITLE: HEADER HOUSING ASSEMBLIES<br>.084/(2.13) SERIES<br>WITH COMPLIANT/POLARIZING PEG |                                                                                                | REVISE ON CAD ONLY                                                                                |                                                                                                                               |                     |     |     |   |
|                                                                                               |            |              |                                |                                                         |    | APPROVED BY & DATE<br>G.L 01/09/28                                                                                                                                               |   | MOLEX MOLEX INCORPORATED                                                                |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
|                                                                                               |            |              |                                |                                                         |    | CAD FILENAME<br>SD-36538-001.S02                                                                                                                                                 |   | MATERIAL NO.<br>SEE CHART                                                               |                                                                                                | DRAWING NO.<br>SD-36538-001                                                                       |                                                                                                                               | SHEET NO.<br>2 OF 2 |     |     |   |
|                                                                                               |            |              |                                | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.                                                |   | SIZE<br>C                                                                               |                                                                                                |                                                                                                   |                                                                                                                               |                     |     |     |   |
| LBORD.DGN REV A<br>96/06/12 LEVEL 5                                                           |            |              |                                | I2                                                      | I1 | I0                                                                                                                                                                               | 9 | 8                                                                                       | 7                                                                                              | 6                                                                                                 | 5                                                                                                                             | 4                   | 3   | 2   | I |

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)