

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0365380018

Status:

Active

Overview:

mlx

Description:

6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Compliant Polarizing Peg, 15 Circuits, Nylon 94V-2, White (Translucent) Housing

Documents:

3D Model

Drawing (PDF)

Product Specification PSX-42002-0001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Overview

Product Name

PCB Headers

36538

Wire-to-Board

mlx

MLX™

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Polarized to Mating Part

Polarized to PCB

Shrouded

Stackable

Surface Mount Compatible (SMC)

Temperature Range - Operating

Termination Interface: Style

No

15

15

With Compliant Polarizing Peg

White (Cloud)

50

No

No

No

No

None

Yes

Phosphor Bronze

Tin-Lead

Nylon

5

Vertical

Yes

Yes

0.062 In

1.57 mm

Bag

0.250 In

6.35 mm

0.250 In

6.35 mm

20

0.51

Yes

Yes

Fully

No

No

-55°C to +105°C

Through Hole

Electrical

Current - Maximum per Contact

Voltage - Maximum

9A

600V

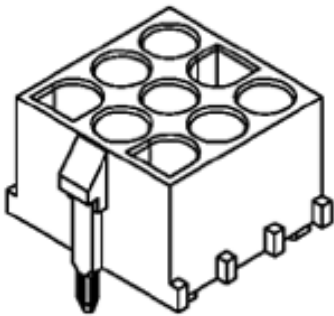


image - Reference only

Series

EU RoHS

Compliance Status

Not Reviewed

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

36538Series

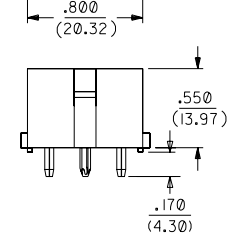
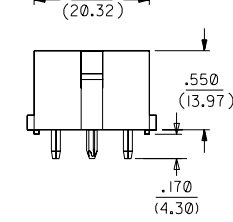
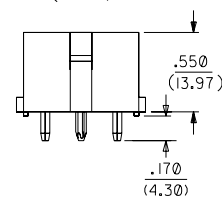
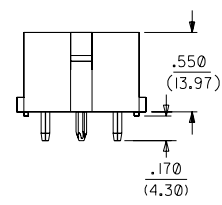
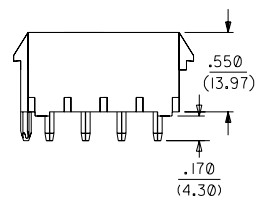
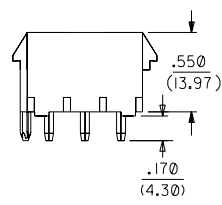
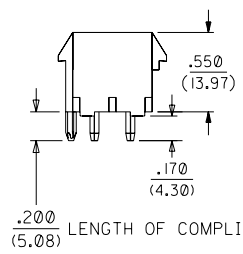
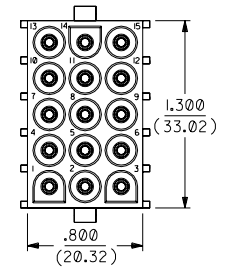
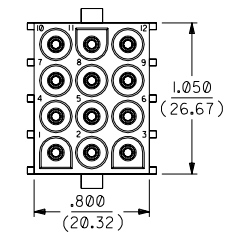
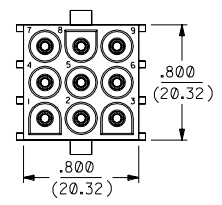
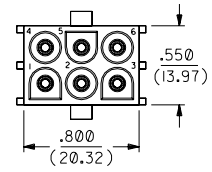
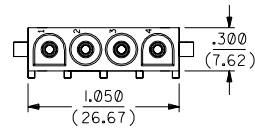
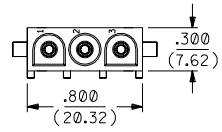
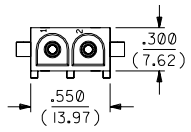
**Material Info**

**Reference - Drawing Numbers**

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

This document was generated on 05/24/2010

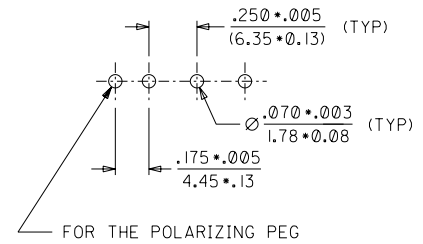
**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**



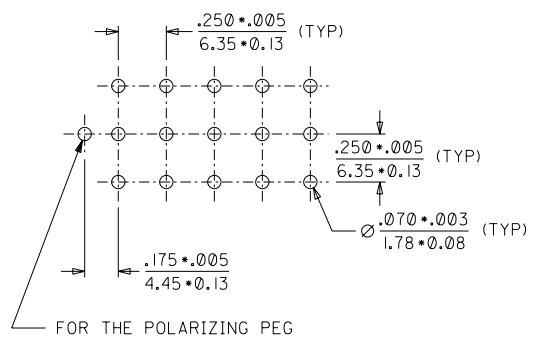
LENGTH OF COMPLIANT/POLARIZING PEG (TYP)

### 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><div>MAJOR<br/>=</div> <div>CRITICAL<br/>=</div> | 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 |
|                                                                                 |     |             |                                                                     |                                           |                                                         |                |                                                                                                          |                                                                                                                 |                                                                                                                         |                             |                     | 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.                                                                 | ±.                                        | CHECKED BY & DATE<br>G.L 01/09/28                       |                |                                                                                                          |                                                                                                                 |                                                                                                                         |                             |                     |                                                                                                                                   |     |
|                                                                                 |     | 3 PLACES    | ±0.                                                                 | ±.010                                     | APPROVED BY & DATE<br>G.L 01/09/28                      |                |  MOLEX INCORPORATED |                                                                                                                 | MATERIAL NO.<br>SEE SHEET2                                                                                              | DRAWING NO.<br>SD-36538-001 | SHEET NO.<br>1 OF 2 |                                                                                                                                   |     |
|                                                                                 |     | 2 PLACES    | ±0.25                                                               | ±.014                                     | CAD FILENAME<br>SD-36538-001.S01                        |                |                                                                                                          |                                                                                                                 |                                                                                                                         |                             |                     |                                                                                                                                   |     |
|                                                                                 |     | 1 PLACE     | ±0.36                                                               | ±.                                        | 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. |     |
|                                                                                 |     |             |                                                                     | ANGULAR: ± 1/2°                           |                                                         |                |                                                                                                          |                                                                                                                 |                                                                                                                         |                             |                     |                                                                                                                                   |     |

|                                                                                               |            |              |                                |                                                         |    |                                                                                                                                                                                  |   |                                                                                                                                                                                                                                      |   |                                                                                                                                                                                               |   |                                                                                                                                                                  |   |                                                                                                                                       |   |
|-----------------------------------------------------------------------------------------------|------------|--------------|--------------------------------|---------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                                               | 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 DESIGN UNITS<br/><input type="checkbox"/>mm <input checked="" type="checkbox"/>INCH<br/>DRAWN BY &amp; DATE<br/>S.S 01/09/28<br/>CHECKED BY &amp; DATE<br/>G.L 01/09/28<br/>APPROVED BY &amp; DATE<br/>G.L 01/09/28</div> |   | <div><input checked="" type="radio"/> THIRD ANGLE PROJECTION<br/>TITLE: HEADER HOUSING ASSEMBLIES<br/>.084/(2.13) SERIES<br/>WITH COMPLIANT/POLARIZING PEG<br/>MOLEX MOLEX INCORPORATED</div> |   | <div>DIMENSIONS:<br/><input type="checkbox"/>mm <input checked="" type="checkbox"/>INCH <input type="checkbox"/>mm ONLY<br/>SHT REV<br/>REVISE ON CAD ONLY</div> |   | <div>CAD FILENAME<br/>SD-36538-001.S02<br/>MATERIAL NO.<br/>SEE CHART<br/>DRAWING NO.<br/>SD-36538-001<br/>SHEET NO.<br/>2 OF 2</div> |   |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS                                          |            |              |                                |                                                         |    | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX 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 |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9