

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

[mlx](#)

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

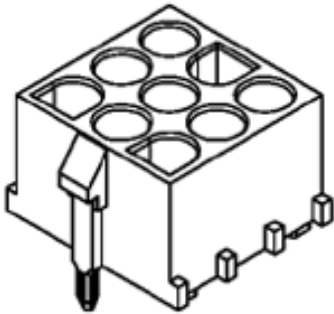


image - Reference only

Series

EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

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

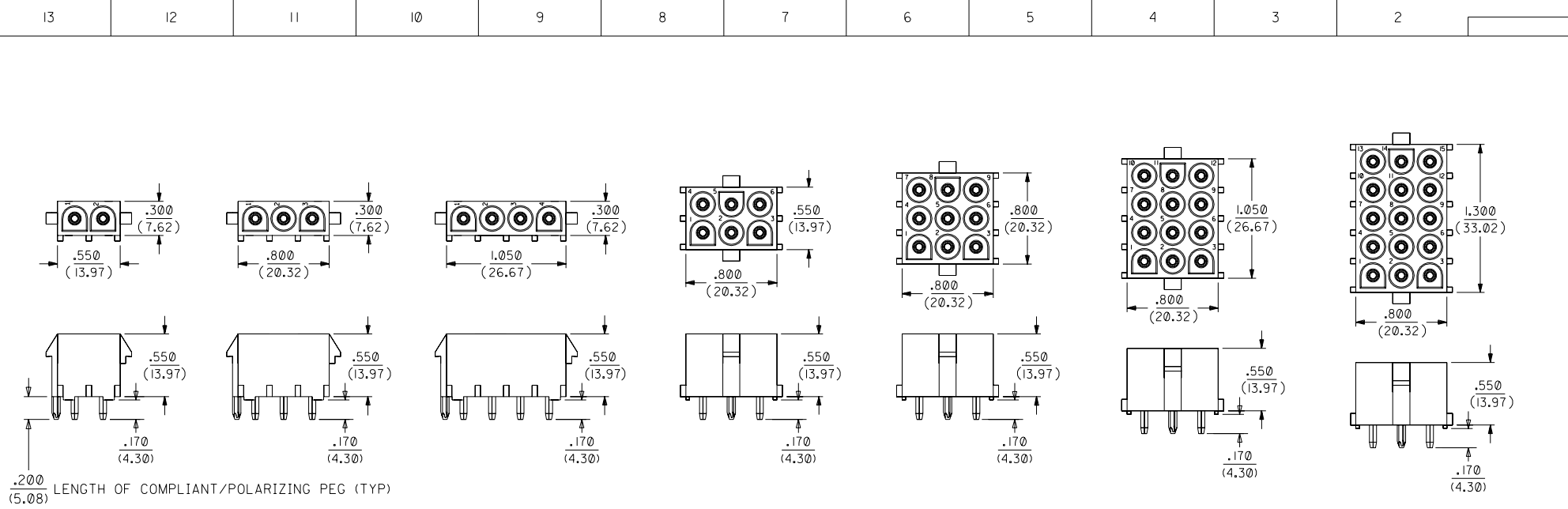
**Material Info**

**Reference - Drawing Numbers**

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

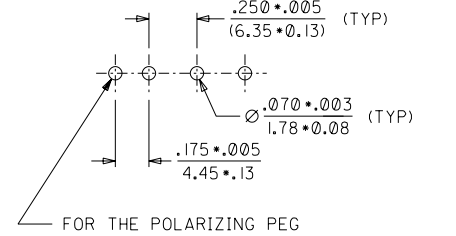
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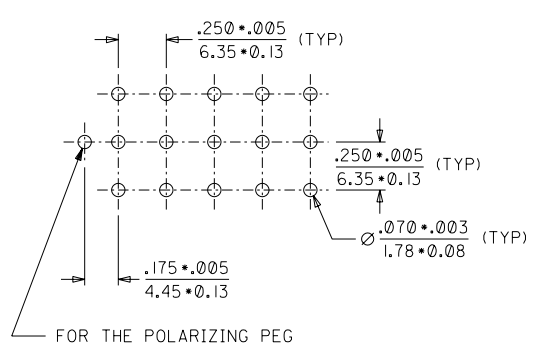


P.C. BOARD  
MOUNTING DIMENSIONS

2, 3 & 4 POSITION HEADER ASSEMBLIES



6, 9, 12 & 15 POSITION HEADER ASSEMBLY



NOTES:

- 1) 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
- 2) FINISH:  
TIN-LEAD 20 MICROINCH (0.51 MICRONS) MINIMUM
- 3) TERMINAL LENGTH IS SUITABLE FOR .062/(1.57) THICK P.C BOARD
- 4) DIMENSIONS ARE FOR REFERENCE ONLY UNLESS INDICATED OTHERWISE.
- 5) HEADER ASSEMBLY HOUSINGS MATE WITH :  
- PLUG HOUSINGS, .084/(2.13) DIA. SERIES: (42021-\*\*)
- 6) CONTACTS ARE ON .250/(6.35) GRID CENTERLINE SPACING.

|                                                                                     |     |             |                                                                       |                                                                                                                                   |       |                |                                                                                      |                                                                                       |                                                                                                          |                                                                                                                         |  |  |                       |     |                            |
|-------------------------------------------------------------------------------------|-----|-------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------|----------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------|-----|----------------------------|
| 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 |     | DESCRIPTION | QUALITY SYMBOLS<br><div>MAJOR<br/>=</div> <div>CRITICAL<br/>C =</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 |             |                                                                       | 4 PLACES                                                                                                                          | ±0.   | ±.             | DRAWN BY & DATE<br>S.S. 01/09/28                                                     |                                                                                       | TITLE:<br>HEADER HOUSING ASSEMBLIES<br>.084/(2.13) SERIES<br>WITH COMPLIANT/POLARISING PEG               |                                                                                                                         |  |  |                       |     |                            |
|                                                                                     |     |             |                                                                       | 3 PLACES                                                                                                                          | ±0.   | ±. 0.10        | CHECKED BY & DATE<br>G.L. 01/09/28                                                   |                                                                                       |                                                                                                          |                                                                                                                         |  |  |                       |     |                            |
|                                                                                     |     |             |                                                                       | 2 PLACES                                                                                                                          | ±0.25 | ±. 0.14        | APPROVED BY & DATE<br>G.L. 01/09/28                                                  |                                                                                       |  MOLEX INCORPORATED |                                                                                                                         |  |  |                       |     |                            |
|                                                                                     |     |             |                                                                       | 1 PLACE                                                                                                                           | ±0.36 | ±.             | CAD FILENAME<br>SD-36538-001.S01                                                     |                                                                                       |                                                                                                          |                                                                                                                         |  |  |                       |     | MATERIAL NO.<br>SEE SHEET2 |
| 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<br/>CHECKED BY &amp; DATE<br/>G.L 01/09/28<br/>APPROVED BY &amp; DATE<br/>G.L 01/09/28<br/>CAD FILENAME<br/>SD-36538-001.S02</div> |   | <div>DESIGN UNITS<br/><input type="checkbox"/>mm <input checked="" type="checkbox"/>INCH<br/>THIRD ANGLE PROJECTION</div> |   | <div>DIMENSIONS:<br/><input type="checkbox"/>mm <input checked="" type="checkbox"/>INCH <input type="checkbox"/>mm ONLY<br/>TITLE: HEADER HOUSING ASSEMBLIES<br/>.084/(2.13) SERIES<br/>WITH COMPLIANT/POLARIZING PEG<br/>MOLEX MOLEX INCORPORATED</div> |   | <div>SHT<br/>REV<br/>REVISE ON CAD ONLY</div> |   |
| A1                                                                                            |            |              |                                | REV                                                     |    | 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 |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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