

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0365380004

Status:

Active

Overview:

[mlx](#)

Description:

6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Compliant Polarizing Peg, 3 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)

3

Circuits (maximum)

3

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

1

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

12A

Voltage - Maximum

600V

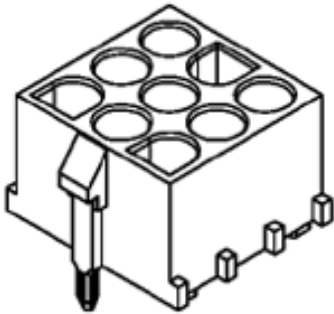


image - Reference only

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

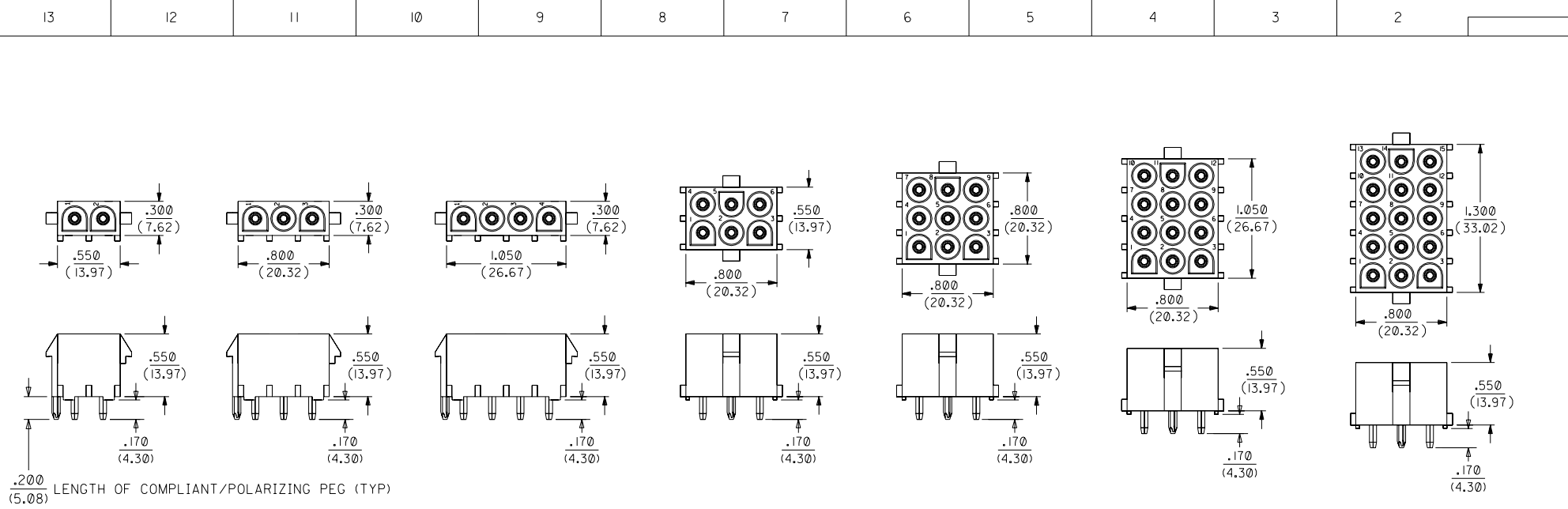
**Material Info**

**Reference - Drawing Numbers**

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

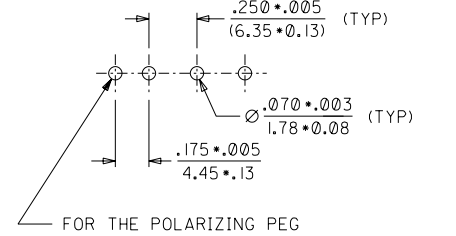
This document was generated on 05/24/2010

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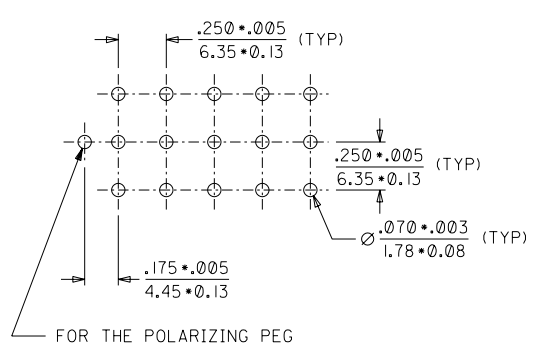


P.C. BOARD  
MOUNTING DIMENSIONS

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>DRW: S.S.<br>CHK: G.L.<br>APP: G.L.<br>REV |  | DESCRIPTION | QUALITY SYMBOLS                                                                                                                                                                                     | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED)               |       | SCALE                                                                                                                             | DESIGN UNITS                                                         |       | THIRD ANGLE<br>PROJECTION | DIMENSIONS:                                                          |                                                           | SHT       | REV                   |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       | 1.5:1                                                                                                                             | <input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH |                                                                                            |                           | <input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH | <input type="checkbox"/> mm <input type="checkbox"/> INCH | mm ONLY   | REVISE ON<br>CAD ONLY |
| A1                                                               |  | REV         | MAJOR<br><br>CRITICAL<br> |                                                         |       |                                                                                                                                   | DRAWN BY & DATE                                                      | TITLE:<br>HEADER HOUSING ASSEMBLIES<br>.084/(2.13) SERIES<br>WITH COMPLIANT/POLARISING PEG |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     | 4 PLACES                                                | ±0.   | ±.                                                                                                                                | S.S. 01/09/28                                                        |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     | 3 PLACES                                                | ±0.   | ±. 0.10                                                                                                                           | CHECKED BY & DATE                                                    | MOLEX INCORPORATED                                                                         |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     | 2 PLACES                                                | ±0.25 | ±. 0.14                                                                                                                           | G.L. 01/09/28                                                        |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     | 1 PLACE                                                 | ±0.36 | ±.                                                                                                                                | APPROVED BY & DATE                                                   | MATERIAL NO.<br>SD-36538-001                                                               |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     | ANGULAR: ± 1/2°                                         |       | G.L. 01/09/28                                                                                                                     | DRAWING NO.<br>SD-36538-001                                          |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       | CAD FILENAME<br>SD-36538-001.S01                                                                                                  |                                                                      |                                                                                            |                           |                                                                      |                                                           |           | SHEET NO.<br>1 OF 2   |
|                                                                  |  |             |                                                                                                                                                                                                     | DRAFT WHERE APPLICABLE MUST<br>REMAIN WITHIN DIMENSIONS |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
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|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |
|                                                                  |  |             |                                                                                                                                                                                                     |                                                         |       |                                                                                                                                   |                                                                      |                                                                                            |                           |                                                                      |                                                           |           |                       |

|                                                                                   |            |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|-----------------------------------------------------------------------------------|------------|--------------|---------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---|------------------------------------|-----------------------------------------------------------------------------------------|----------------------------|---|----------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|-----------|--|
|                                                                                   | 13         | 12           | 11                                                      | 10          | 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                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| I                                                                                 | 36538-0004 | 3            | A                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0005 |              | B                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0006 |              | C                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0007 | 9            | A                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| 36538-0008                                                                        | B          |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| 36538-0009                                                                        | C          |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| 36538-0010                                                                        | A          |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| H                                                                                 | 36538-0011 | 4            | B                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0012 |              | C                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0013 |              | A                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0014 | 6            | B                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| 36538-0015                                                                        | C          |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| 36538-0016                                                                        | A          |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| G                                                                                 | 36538-0017 | 15           | B                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0018 |              | C                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0019 |              | A                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   | 36538-0020 | 12           | B                                                       |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| 36538-0021                                                                        | C          |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| F                                                                                 |            |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           | F                           |           |  |
| E                                                                                 |            |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           | E                           |           |  |
| D                                                                                 |            |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           | D                           |           |  |
| C                                                                                 |            |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           | C                           |           |  |
| B                                                                                 |            |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           | B                           |           |  |
| A                                                                                 |            |              |                                                         |             |                                                                                                                                   |                                           |   |                                    |                                                                                         |                            |   |                                                                                                                      |                           | A                           |           |  |
| LBORD.DGN REV A<br>96/06/12 LEVEL 5                                               |            |              |                                                         | 12          | 11                                                                                                                                | 10                                        | 9 | 8                                  | 7                                                                                       | 6                          | 5 | 4                                                                                                                    | 3                         | 2                           | 1         |  |
| 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>MAJOR<br>=<br>CRITICAL<br>=                                                                                    | GENERAL TOLERANCES:<br>(UNLESS SPECIFIED) |   | SCALE                              | DESIGN UNITS<br><input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH    | THIRD ANGLE PROJECTION<br> |   | DIMENSIONS:<br><input type="checkbox"/> mm <input checked="" type="checkbox"/> INCH <input type="checkbox"/> mm ONLY |                           | SHT                         | REV       |  |
|                                                                                   |            |              |                                                         |             |                                                                                                                                   |                                           |   | DRAWN BY & DATE<br>S.S 01/09/28    | TITLE: HEADER HOUSING ASSEMBLIES<br>.084/(2,13) SERIES<br>WITH COMPLIANT/POLARIZING PEG |                            |   |                                                                                                                      | SHEET NO.<br>2 OF 2       |                             |           |  |
|                                                                                   |            |              |                                                         |             |                                                                                                                                   |                                           |   | CHECKED BY & DATE<br>G.L 01/09/28  |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
|                                                                                   |            |              |                                                         |             |                                                                                                                                   |                                           |   | APPROVED BY & DATE<br>G.L 01/09/28 | MOLEX INCORPORATED<br>                                                                  |                            |   |                                                                                                                      | MATERIAL NO.<br>SEE CHART | DRAWING NO.<br>SD-36538-001 |           |  |
|                                                                                   |            |              |                                                         |             |                                                                                                                                   |                                           |   | CAD FILENAME<br>SD-36538-001.S02   |                                                                                         |                            |   |                                                                                                                      |                           |                             |           |  |
| A1                                                                                |            | REV          | 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 |  |

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

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

Мы предлагаем:

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

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

Конструкторский отдел помогает осуществить:

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



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