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**Part Number:** [0432550091](#)  
**Status:** **Active**  
**Overview:** [mlx](#)  
**Description:** 6.35mm (.250") Pitch MLX™ Power Connector Header, Vertical, with Plastic Polarizing Peg, 9 Circuits, Polyester 94V-0, Tin (Sn) Plating, White

**Documents:**  
[3D Model](#) [Product Specification PSX-42002-0001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

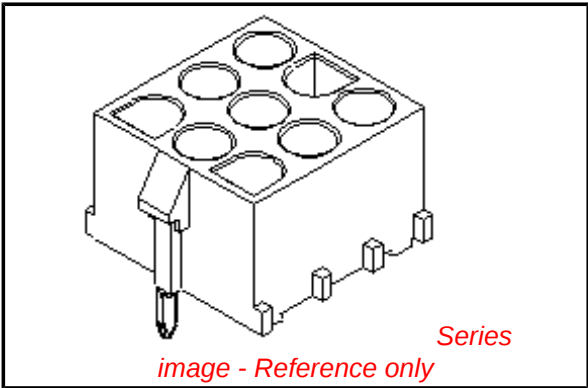
CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [43255](#)  
Application Wire-to-Board  
Comments High Vibration Application  
Overview [mlx](#)  
Product Name MLX™

**Physical**

Breakaway No  
Circuits (Loaded) 9  
Circuits (maximum) 9  
Color - Resin Natural  
Durability (mating cycles max) 50  
First Mate / Last Break No  
Flammability 94V-2  
Glow-Wire Compliant No  
Guide to Mating Part Yes  
Keying to Mating Part Yes  
Lock to Mating Part Yes  
Mated Height (in) 1.195 In  
Mated Height (mm) 30.35 mm  
Material - Metal Phosphor Bronze  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Material - Resin Polyester  
Number of Rows 3  
Orientation Vertical  
PC Tail Length (in) 0.169 In  
PC Tail Length (mm) 4.30 mm  
PCB Locator Yes  
PCB Retention Yes  
PCB Thickness Recommended (in) 0.062 In  
PCB Thickness Recommended (mm) 1.60 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) 140  
Plating min: Mating (µm) 3.5  
Polarized to Mating Part Yes



**EU RoHS**  
**ELV and RoHS**  
**Compliant**  
**REACH SVHC**  
**Contains SVHC: No**  
**Halogen-Free**  
**Status**  
**Not Reviewed**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[43255Series](#)

**Mates With**  
[42021](#) MLX™ Power Crimp Housing Plug.  
[42024](#) MLX Crimp Terminal

|                                |                 |
|--------------------------------|-----------------|
| 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 |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 10                     |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Process Temperature max. C                     | 260                    |

**Material Info**

**Reference - Drawing Numbers**

|                         |                |
|-------------------------|----------------|
| Packaging Specification | PK-43255-003   |
| Product Specification   | PSX-42002-0001 |
| Sales Drawing           | SDA-43255-00** |

This document was generated on 05/24/2010

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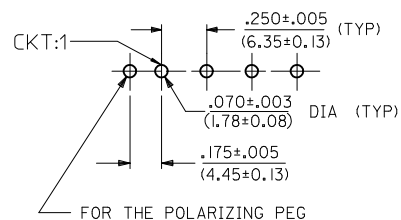


SEE CHARTS FOR 'A' DIMENSION

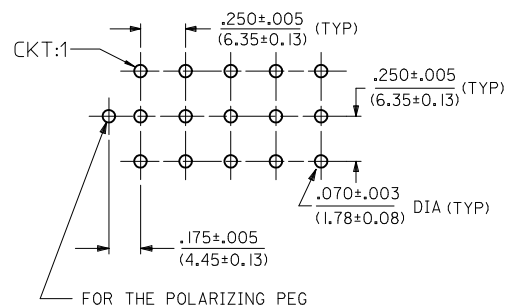
(THE 'A' DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

## P.C. BOARD MOUNTING DIMENSIONS

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



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



## NOTES:

### 1) MATERIAL CODES:

- 'A'= UNREINFORCED POLYESTER, 94V-0. COLOR: WHITE
- 'C'= NYLON (PA66), UL94V-2. COLOR: NATURAL-TRANSLUCENT
- 'D'= NYLON, V-2, COLOUR: BLACK (ZYTEL 101F)
- 'E'= PA6, SCHULAMID V-2 GRADE, CTI=325V, GLOW WIRE COMPATIBLE COLOUR: NATURAL-WHITE

### 2) PLATING CODES:

- 'A' = TIN 140 m.l.(3.50 MICRONS) TO 240 m.l (6.00 MICRONS)

### 3) TERMINAL LENGTH CODES:

- I= TERMINAL FOR .062/(1.57) THICK PC BOARD

### 4) DIMENSIONS ARE FOR REFERENCE ONLY UNLESS INDICATED OTHERWISE.

### 5) HEADER ASSEMBLY HOUSINGS MATE WITH :

- PLUG HOUSINGS, .084/(2.13) DIA, SERIES: (4202I-\*\*) )

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

### 7) PACKAGING SPECIFICATION:

- 'A' - PK-43255-001, PK-43255-002, PK-43255-003
- 'B' - PK-36518-292

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| ENTER DESCRIPTION |  | QUALITY SYMBOLS |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION STYLE |  | SCALE          | DESIGN UNITS | THIRD ANGLE PROJECTION   |  |
|-------------------|--|-----------------|--|------------------------------------------------------|--|-----------------|--|----------------|--------------|--------------------------|--|
| EC NO: 2010-0191  |  | 2009/12/31      |  | mm INCH                                              |  | IN/MM           |  | 1:1            | INCH         | THIRD ANGLE PROJECTION   |  |
| DRAWN: HMR01      |  | 2010/01/05      |  | 4 PLACES ± --- ± ---                                 |  | DRAWN BY        |  | DATE           |              | TITLE                    |  |
| CHKD: KPRASAD     |  | 2010/01/05      |  | 3 PLACES ± --- ± 0.005                               |  | SUDHIR          |  | 2004/06/08     |              | HEADER HOUSING ASSEMBLY  |  |
| APPR: KPRASAD     |  | 2010/01/13      |  | 2 PLACES ± 0.13 ± 0.01                               |  | CHECKED BY      |  | DATE           |              | .084/(2.13) SERIES       |  |
|                   |  |                 |  | 1 PLACE ± 0.25 ± ---                                 |  | GJLOWE          |  | 2004/06/08     |              | COMPLIANT-POLARIZING PEG |  |
|                   |  |                 |  | ANGULAR ± 1/2°                                       |  | APPROVED BY     |  | DATE           |              | MOLEX INCORPORATED       |  |
|                   |  |                 |  | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  | GJLOWE          |  | 2004/06/08     |              | MATERIAL NO.             |  |
| E2                |  | REV             |  |                                                      |  | SIZE            |  | DOCUMENT NO.   |              | SHEET NO.                |  |
|                   |  |                 |  |                                                      |  | A2              |  | SDA-43255-00** |              | 1 OF 2                   |  |
|                   |  |                 |  |                                                      |  |                 |  |                |              |                          |  |

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|   | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |   |
| M |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | M |
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| I |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | I |
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| H |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | H |
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| F |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | F |
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| E |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | E |
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| D |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | D |
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| C |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | C |
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| B |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | B |
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| A |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   | A |
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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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**Факс:** 8 (812) 320-02-42

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