

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

**Part Number:** [0432550019](#)  
**Status:** **Active**  
**Description:** 6.35mm (.250) Pitch MLX Power Connector Receptacle, 2.13mm (.084") Contact Diameter, Vertical, with Plastic Polarizing Peg, 4 Circuits, Lead free

**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 Receptacles  
Series [43255](#)  
Application Wire-to-Board  
Comments High Vibration Application  
Product Name MLX™

**Physical**

Circuits (Loaded) 4  
Color - Resin White  
Durability (mating cycles max) 50  
Flammability 94V-2  
Glow-Wire Compliant No  
Lock to Mating Part Yes  
Material - Metal Phosphor Bronze  
Material - Plating Mating Tin  
Material - Plating Termination Tin  
Material - Resin Polyester  
Number of Rows 1  
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  
Polarized to Mating Part Yes  
Polarized to PCB Yes  
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 13.5A  
Voltage - Maximum 600V

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 10

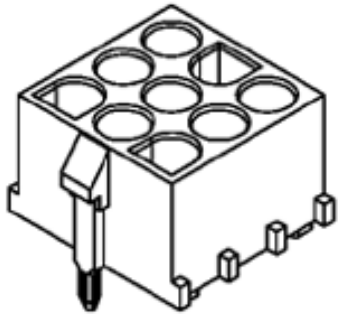


image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**  
**REACH SVHC  
Contains SVHC: No**  
**Halogen-Free  
Status**

**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](#) , [42023](#)

Lead-free Process Capability  
Process Temperature max. C

Wave Capable (TH only)  
260

**Material Info**

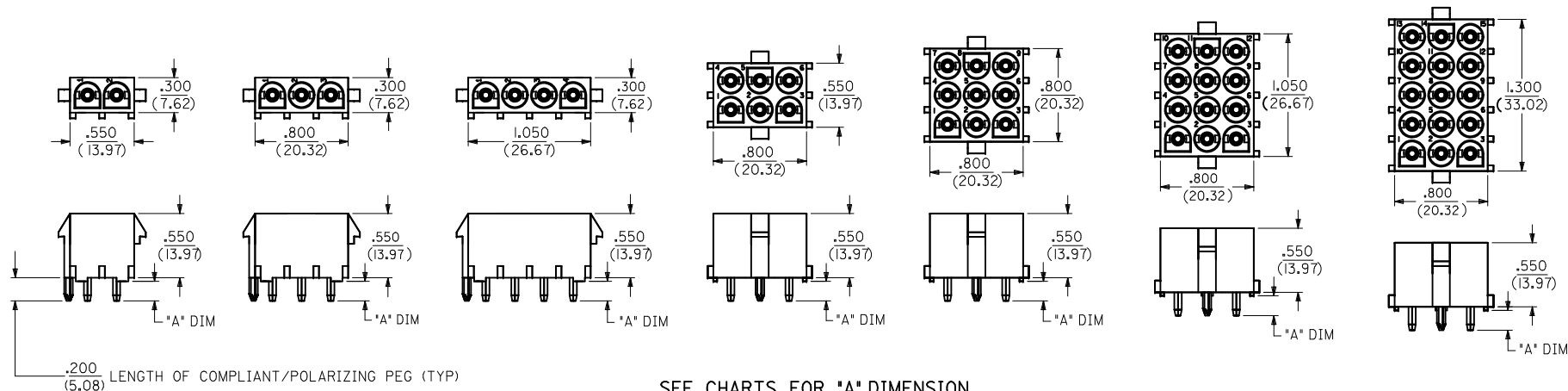
**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PSX-42002-0001  
SDA-43255-00\*\*

This document was generated on 04/14/2010

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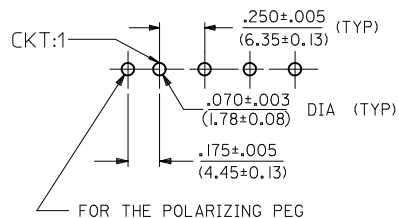


SEE CHARTS FOR 'A' DIMENSION

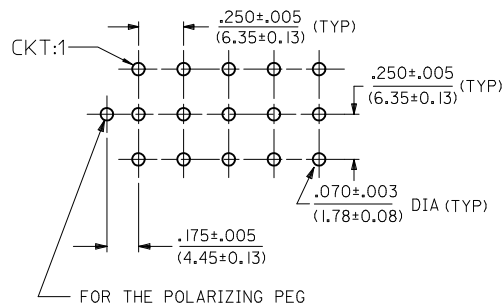
(THE 'A' DIMENSION APPLIES TO THE LENGTH OF THE TERMINAL ONLY)

## 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

RoHS COMPLIANT

|                                                                                      |  |                                       |  |                                                            |  |                          |  |                                                                                                                               |                      |                           |  |
|--------------------------------------------------------------------------------------|--|---------------------------------------|--|------------------------------------------------------------|--|--------------------------|--|-------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------|--|
| ENTER DESCRIPTION<br>EC NO: 12010-0191<br>DRWN:HMR01<br>CHKD:KPRASAD<br>APPR:KPRASAD |  | QUALITY SYMBOLS<br>DESCRIPTION<br>REV |  | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |  | DIMENSION STYLE<br>IN/MM |  | SCALE<br>1:1                                                                                                                  | DESIGN UNITS<br>INCH | THIRD ANGLE<br>PROJECTION |  |
|                                                                                      |  |                                       |  |                                                            |  | DRAWN BY DATE            |  | TITLE                                                                                                                         |                      |                           |  |
|                                                                                      |  |                                       |  | 4 PLACES ± --- ± ---                                       |  | SUDHIR 2004/06/08        |  | HEADER HOUSING ASSEMBLY                                                                                                       |                      |                           |  |
|                                                                                      |  |                                       |  | 3 PLACES ± --- ± 0.005                                     |  | CHECKED BY DATE          |  | .084/(2.13) SERIES                                                                                                            |                      |                           |  |
|                                                                                      |  |                                       |  | 2 PLACES ± 0.13 ± 0.01                                     |  | GJLOWE 2004/06/08        |  | COMPLIANT-POLARIZING PEG                                                                                                      |                      |                           |  |
|                                                                                      |  |                                       |  | 1 PLACE ± 0.25 ± ---                                       |  | APPROVED BY DATE         |  | MOLEX MOLEX INCORPORATED                                                                                                      |                      |                           |  |
|                                                                                      |  |                                       |  | ANGULAR ± 1/2°                                             |  | GJLOWE 2004/06/08        |  |                                                                                                                               |                      |                           |  |
|                                                                                      |  |                                       |  | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |  | MATERIAL NO.             |  | DOCUMENT NO.                                                                                                                  |                      | SHEET NO.                 |  |
|                                                                                      |  |                                       |  |                                                            |  | SEE CHART                |  | SDA-43255-00**                                                                                                                |                      | 1 OF 2                    |  |
|                                                                                      |  |                                       |  |                                                            |  | SIZE A2                  |  | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                      |                           |  |
|                                                                                      |  |                                       |  |                                                            |  |                          |  |                                                                                                                               |                      |                           |  |

|   | 20 | 19         | 18           | 17                             | 16                                 | 15                               | 14                              | 13               | 12                        | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |   |
|---|----|------------|--------------|--------------------------------|------------------------------------|----------------------------------|---------------------------------|------------------|---------------------------|----|----|---|---|---|---|---|---|---|---|---|---|
|   |    | ITEM NO.   | CIRCUIT SIZE | MATERIAL COLOR<br>(SEE NOTE 1) | PIN (1) OR SOCKET (2)<br>TERMINALS | TERMINAL PLATING<br>(SEE NOTE 2) | TERMINAL LENGTH<br>(SEE NOTE 3) | "A" DIM<br>±.015 | PACKAGING<br>(SEE NOTE 7) |    |    |   |   |   |   |   |   |   |   |   |   |
| M |    | 43255-0003 | 2            | A                              | 2                                  | A                                |                                 | .17/(14,3)       | A                         |    |    |   |   |   |   |   |   |   |   |   | M |
|   |    | 43255-0059 |              | A                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0113 |              | C                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0115 |              | C                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0021 |              | D                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0061 |              | D                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| L |    | 36757-0021 | 3            | E                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   | L |
|   |    | 36757-0061 |              | E                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0011 |              | A                              | 2                                  | A                                |                                 | .17/(14,3)       | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0067 |              | A                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0121 |              | C                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0123 |              | C                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| K |    | 36759-0022 | 4            | D                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   | K |
|   |    | 36759-0062 |              | D                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36757-0022 |              | E                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36757-0062 |              | E                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0019 |              | A                              | 2                                  | A                                |                                 | .17/(14,3)       | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0075 |              | A                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| J |    | 43255-0129 | 6            | C                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   | J |
|   |    | 43255-0131 |              | C                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0023 |              | D                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0063 |              | D                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36757-0023 |              | E                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36757-0063 |              | E                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| I |    | 43255-0027 | 9            | A                              | 2                                  | A                                |                                 | .17/(14,3)       | A                         |    |    |   |   |   |   |   |   |   |   |   | I |
|   |    | 43255-0083 |              | A                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0137 |              | C                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0139 |              | C                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0024 |              | D                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0064 |              | D                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| H |    | 36757-0024 | 12           | E                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   | H |
|   |    | 36757-0064 |              | E                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0035 |              | A                              | 2                                  | A                                |                                 | .17/(14,3)       | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0091 |              | A                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0145 |              | C                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0147 |              | C                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| G |    | 36759-0025 | 15           | D                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   | G |
|   |    | 36759-0065 |              | D                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36757-0025 |              | E                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36757-0065 |              | E                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0043 |              | A                              | 2                                  | A                                |                                 | .17/(14,3)       | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0099 |              | A                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| F |    | 43255-0153 | 2            | C                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   | F |
|   |    | 43255-0155 |              | C                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0026 |              | D                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0066 |              | D                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36757-0026 |              | E                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36757-0066 |              | E                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| E |    | 43255-0051 | 3            | A                              | 2                                  | A                                |                                 | .17/(14,3)       | A                         |    |    |   |   |   |   |   |   |   |   |   | E |
|   |    | 43255-0107 |              | A                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0161 |              | C                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 43255-0163 |              | C                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0027 |              | D                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36759-0067 |              | D                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
| D |    | 36757-0027 | 4            | E                              | 1                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   | D |
|   |    | 36757-0067 |              | E                              | 2                                  | A                                |                                 |                  | A                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36766-0001 |              | C                              | 1                                  | A                                |                                 | .17/(14,3)       | B                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36766-0002 |              | C                              | 1                                  | A                                |                                 |                  | B                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    | 36766-0003 |              | C                              | 1                                  | A                                |                                 |                  | B                         |    |    |   |   |   |   |   |   |   |   |   |   |
|   |    |            |              | C                              | 1                                  | A                                |                                 |                  | B                         |    |    |   |   |   |   |   |   |   |   |   |   |
| C |    |            |              |                                |                                    |                                  |                                 |                  |                           |    |    |   |   |   |   |   |   |   |   |   | C |
| B |    |            |              |                                |                                    |                                  |                                 |                  |                           |    |    |   |   |   |   |   |   |   |   |   | B |
| A |    |            |              |                                |                                    |                                  |                                 |                  |                           |    |    |   |   |   |   |   |   |   |   |   | A |

RoHS COMPLIANT

ENTER DESCRIPTION

2009/12/31

2010/01/05

2010/01/13

DRWN:HM01

CHKD:KPRASAD

APPR:KPRASAD

DESCRIPTION

REV

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

|                | mm     | INCH    |
|----------------|--------|---------|
| 4 PLACES       | ± .--- | ± .---  |
| 3 PLACES       | ± .--- | ± 0.005 |
| 2 PLACES       | ± 0.13 | ± 0.01  |
| 1 PLACE        | ± 0.25 | ± .---  |
| ANGULAR ± 1/2° |        |         |

DRAFT WHERE APPLICABLE  
MUST REMAIN  
WITHIN DIMENSIONS

DIMENSION STYLE

IN/MM

|             |            |
|-------------|------------|
| DRAWN BY    | DATE       |
| SUDHIR      | 2004/06/08 |
| CHECKED BY  | DATE       |
| GJLOWE      | 2004/06/08 |
| APPROVED BY | DATE       |
| GJLOWE      | 2004/06/08 |

MATERIAL NO.

SEE CHART

SCALE

DESIGN UNITS

INCH

THIRD ANGLE PROJECTION

TITLE

HEADER HOUSING ASSEMBLY

.084/(12.13) SERIES

COMPLIANT-POLARIZING PEG

molex

MOLEX INCORPORATED

DOCUMENT NO.

SDA-43255-00\*\*

SHEET NO.

2 OF 2

SIZE

A1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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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