

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0753415555

Status:

Active

Overview:

gbx\_backplane\_connector\_system

Description:

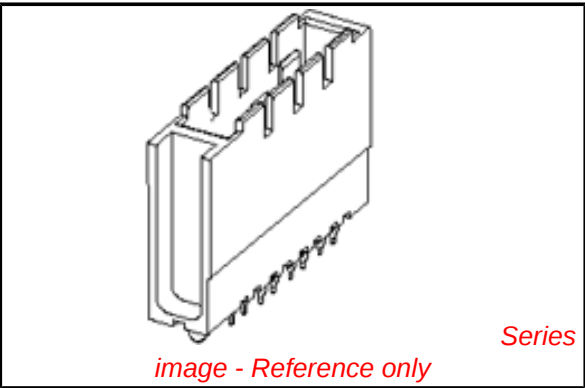
1.85mm by 1.85mm (.073 by .073") Pitch 4-Pair GbX® Backplane Connector System, Power Module, 12 Circuits, 1.27µm (50µ") Gold (Au), Lead Free

Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------|
| Agency Certification           |                                                                                 |
| UL                             | E29179                                                                          |
| General                        |                                                                                 |
| Product Family                 | Backplane Connectors                                                            |
| Series                         | 75341                                                                           |
| Application                    | Backplane                                                                       |
| Application Tooling Documents  | <a href="http://www.molex.com/pdm_docs/ats/TM-622022099.pdf">Tooling Manual</a> |
| Comments                       | Blade Length A 7.50mm, B 7.50mm, C 7.50mm, D 7.50mm                             |
| Component Type                 | Power Header                                                                    |
| Overview                       | gbx_backplane_connector_system                                                  |
| Product Name                   | GbX®                                                                            |
| Style                          | N/A                                                                             |
| Physical                       |                                                                                 |
| Circuits (Loaded)              | 8                                                                               |
| Circuits (maximum)             | 8                                                                               |
| Circuits Detail                | Rows A, B, C, & D                                                               |
| Color - Resin                  | Gray                                                                            |
| Durability (mating cycles max) | 200                                                                             |
| First Mate / Last Break        | No                                                                              |
| Flammability                   | 94V-0                                                                           |
| Guide to Mating Part           | No                                                                              |
| Keying to Mating Part          | None                                                                            |
| Material - Plating Mating      | Gold                                                                            |
| Material - Plating Termination | Tin                                                                             |
| Material - Resin               | High Temperature Thermoplastic                                                  |
| Number of Columns              | N/A                                                                             |
| Number of Pairs                | 4                                                                               |
| Number of Rows                 | 4                                                                               |
| Orientation                    | Vertical                                                                        |
| PC Tail Length (in)            | 0.089 In                                                                        |
| PC Tail Length (mm)            | 2.28 mm                                                                         |
| PCB Locator                    | Yes                                                                             |
| PCB Retention                  | Yes                                                                             |
| PCB Thickness Recommended (in) | 0.063 In                                                                        |
| PCB Thickness Recommended (mm) | 1.60 mm                                                                         |
| Packaging Type                 | Tube                                                                            |
| Pitch - Mating Interface (in)  | 0.073 In                                                                        |
| Pitch - Mating Interface (mm)  | 1.85 mm                                                                         |
| Pitch - Term. Interface (in)   | 0.102 In                                                                        |
| Pitch - Term. Interface (mm)   | 2.60 mm                                                                         |
| Plating min: Mating (µin)      | 50                                                                              |
| Plating min: Mating (µm)       | 1.25                                                                            |
| Plating min: Termination (µin) | 30                                                                              |



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

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

75341Series

Mates With

75292 GbX® Daughtercard

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

| Description                                      | Product #  |
|--------------------------------------------------|------------|
| Insertion Module, GbX® 4 pair 1- Up Power Module | 0622022005 |

|                                |                              |
|--------------------------------|------------------------------|
| Plating min: Termination (μm)  | 0.75                         |
| Polarized to PCB               | Yes                          |
| Stackable                      | No                           |
| Surface Mount Compatible (SMC) | Yes                          |
| Temperature Range - Operating  | -55°C to +105°C              |
| Termination Interface: Style   | Through Hole - Compliant Pin |

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 6A               |
| Data Rate                     | 8.0 Gbps         |
| Real Signals (per 25mm)       | 0                |
| Shielded                      | No               |
| Voltage - Maximum             | 120V AC (RMS)/DC |

**Material Info**

**Reference - Drawing Numbers**

|               |              |
|---------------|--------------|
| Sales Drawing | SD-75341-001 |
|---------------|--------------|

GbX is a registered trademark of Amphenol Corporation.

This document was generated on 05/13/2010

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- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, GRAY; CONTACT - COPPER ALLOY.
  2. FINISH: SELECT GOLD IN CONTACT AREA, 50  $\mu$  " THICK; TIN/LEAD OR MATTE TIN IN COMPLIANT AREA.
  3. PACKAGING PER PK-70873-562.
  4. CONTACTS IN EACH ROW HAVE THE SAME WIPE LENGTH.
  5. BACKPLANE ASSEMBLY MATES WITH DAUGHTERCARD POWER MODULE 75292-4\*\*\*.
  6. PART SHOWN IS 75343-4467 (SHEET 4).
  7. SEE OTHER SHEETS FOR ADDITIONAL NOTES.
  8. WHEN INSERTING OPEN SIGNAL MODULES NEXT TO COLUMN 1 SIDE OF POWER MODULES, SIGNAL MODULES MUST BE INSERTED BEFORE THE POWERS TO AVOID INTERFERENCE BETWEEN THE TWO CONNECTOR HOUSINGS.
  9. THESE PARTS CONFORM TO MOLEX PRODUCT SPECIFICATION PS-75221-999.
  10. THESE PARTS CONFORM TO MOLEX COSMETIC SPECIFICATION PS-45499-002 CLASS B.

1-UP ASSEMBLY PART NUMBER

7 5 3 4 1 - A B C D  
- TIN/LEAD PLATED PRODUCT -  
FOR EACH ROW LOCATION A, B, C, D:  
0 = VOID  
4 = 4.5 mm WIPE  
6 = 6.0 mm WIPE  
7 = 7.5 mm WIPE  
- LEAD-FREE PLATED PRODUCT -  
FOR EACH ROW LOCATION A, B, C, D:  
0 = VOID  
2 = 4.5 mm WIPE  
3 = 6.0 mm WIPE  
5 = 7.5 mm WIPE

|                                                                                                                            |             |                                   |                                       |           |                                                                                                                                  |             |                          |                                                                                              |                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------|---------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|
| ADDED NOTES 9 & 10<br>EC NO: UCP2008-0426<br>DRAWN: STEWART 2007/08/29<br>CHKD: 2007/08/30<br>APPR: J.B. INGHAM 2007/08/31 | DESCRIPTION | QUALITY SYMBOLS<br><br>▽=0<br>◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) |           | DIMENSION STYLE<br>MM ONLY                                                                                                       |             | SCALE<br>4:1             | DESIGN UNITS<br>METRIC                                                                       | THIRD ANGLE PROJECTION<br> |  |
|                                                                                                                            |             |                                   |                                       | mm        | INCH                                                                                                                             | DRAWN BY    | DATE                     | TITLE<br><br>GBX 4 PAIR<br>BACKPLANE POWER<br>SALES ASSEMBLY<br><br>MOLEX MOLEX INCORPORATED |                                                                                                                 |  |
|                                                                                                                            |             |                                   | 4 PLACES                              | ± ---     | ± ---                                                                                                                            | ELO         | 2006/04/06               |                                                                                              |                                                                                                                 |  |
|                                                                                                                            |             |                                   | 3 PLACES                              | ± ---     | ± ---                                                                                                                            | CHECKED BY  | DATE                     |                                                                                              |                                                                                                                 |  |
|                                                                                                                            |             |                                   | 2 PLACES                              | ± ---     | ± ---                                                                                                                            | ELO         | 2005/02/22               |                                                                                              |                                                                                                                 |  |
|                                                                                                                            |             |                                   | 1 PLACE                               | ± ---     | ± ---                                                                                                                            | APPROVED BY | DATE                     |                                                                                              |                                                                                                                 |  |
|                                                                                                                            |             |                                   | ANGULAR ± ---°                        |           | CUNNINGHAM                                                                                                                       | 2005/02/23  | MOLEX MOLEX INCORPORATED |                                                                                              |                                                                                                                 |  |
| DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS                                                                 |             |                                   | MATERIAL NO.                          |           | SEE CHART                                                                                                                        |             | DOCUMENT NO.             | SHEET NO.<br>1 OF 4                                                                          |                                                                                                                 |  |
| REV                                                                                                                        |             |                                   |                                       | SIZE<br>B | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |             |                          |                                                                                              |                                                                                                                 |  |

10 9 8 7 6 5 4 3 2 1



### 2-UP ASSEMBLY PART NUMBER

7 5 3 4 2 - A B C D

- TIN/LEAD PLATED PRODUCT -  
FOR EACH ROW LOCATION A, B, C, D:

0 = VOID  
4 = 4.5 mm WIPE  
6 = 6.0 mm WIPE  
7 = 7.5 mm WIPE

- LEAD-FREE PLATED PRODUCT -  
FOR EACH ROW LOCATION A, B, C, D:

0 = VOID  
2 = 4.5 mm WIPE  
3 = 6.0 mm WIPE  
5 = 7.5 mm WIPE



SEE SHEET 1 FOR ADDITIONAL INFORMATION  
CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

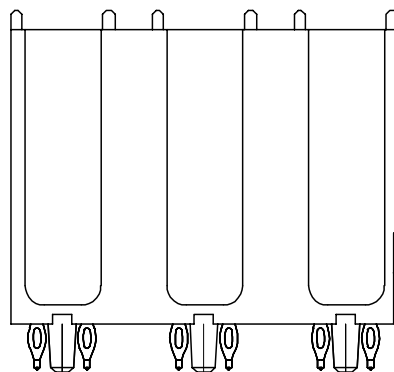
|                                                                                                                        |                                   |             |                                                            |       |           |                                                                                                                                  |                            |                    |                                                                           |                        |                                                                                                              |  |  |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------|------------------------------------------------------------|-------|-----------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|--------------------|---------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------|--|--|
| SEE SHEET ONE<br>EC NO: UCP2008-0426<br>DRAWN: STEWART 2007/08/29<br>CHKD: 2007/08/30<br>APPR: J. B. INGHAM 2007/08/31 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       |           |                                                                                                                                  | DIMENSION STYLE<br>MM ONLY |                    | SCALE<br>4:1                                                              | DESIGN UNITS<br>METRIC |  THIRD ANGLE PROJECTION |  |  |
|                                                                                                                        |                                   |             | mm                                                         |       | INCH      |                                                                                                                                  | DRAWN BY<br>ELO            | DATE<br>2006/04/06 | GBX 4 PAIR<br>BACKPLANE POWER<br>SALES ASSEMBLY<br><br>MOLEX INCORPORATED |                        |                                                                                                              |  |  |
|                                                                                                                        |                                   |             | 4 PLACES                                                   | ± --- | ± ---     | CHECKED BY<br>ELO                                                                                                                | DATE<br>2005/02/22         |                    |                                                                           |                        |                                                                                                              |  |  |
|                                                                                                                        |                                   |             | 3 PLACES                                                   | ± --- | ± ---     | APPROVED BY<br>CUNNINGHAM 2005/02/23                                                                                             |                            |                    |                                                                           |                        |                                                                                                              |  |  |
|                                                                                                                        |                                   |             | 2 PLACES                                                   | ± --- | ± ---     |                                                                                                                                  |                            |                    |                                                                           |                        |                                                                                                              |  |  |
|                                                                                                                        |                                   |             | 1 PLACE                                                    | ± --- | ± ---     |                                                                                                                                  |                            |                    |                                                                           |                        |                                                                                                              |  |  |
|                                                                                                                        |                                   |             | ANGULAR ± ---°                                             |       |           |                                                                                                                                  | MATERIAL NO.               | DOCUMENT NO.       | SHEET NO.<br>2 OF 4                                                       |                        |                                                                                                              |  |  |
|                                                                                                                        |                                   |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       |           |                                                                                                                                  | SEE CHART                  |                    | SD-75341-001                                                              |                        |                                                                                                              |  |  |
|                                                                                                                        |                                   |             | REV                                                        | C     | SIZE<br>B | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                            |                    |                                                                           |                        |                                                                                                              |  |  |

9 8 7 6 5 4 3 2 1



COLUMN 1  
COLUMN 2  
COLUMN 3  
COLUMN 4  
COLUMN 5  
COLUMN 6

SEE NOTE 4.



SEE NOTE 8.

### 3-UP ASSEMBLY PART NUMBER

7 5 3 4 3 - A B C D

- TIN/LEAD PLATED PRODUCT -

FOR EACH ROW LOCATION A, B, C, D:

0 = VOID

4 = 4.5 mm WIPE

6 = 6.0 mm WIPE

7 = 7.5 mm WIPE

- LEAD-FREE PLATED PRODUCT -

FOR EACH ROW LOCATION A, B, C, D:

0 = VOID

2 = 4.5 mm WIPE

3 = 6.0 mm WIPE

5 = 7.5 mm WIPE



SEE SHEET 1 FOR ADDITIONAL INFORMATION  
CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

|                                                                                                                                |                                   |             |                                                            |       |                            |                 |                                                                                                                                  |                                                                                                          |                                                                                                                 |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------|------------------------------------------------------------|-------|----------------------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--|--|--|
| SEE SHEET ONE<br>EC NO: UCP2008-0426<br>DRW: J. STEWART 2007/08/29<br>CHKD: J. INGHAM 2007/08/30<br>APPR: J. INGHAM 2007/08/31 | QUALITY SYMBOLS<br><br>▽=0<br>▽=0 | DESCRIPTION | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |       | DIMENSION STYLE<br>MM ONLY |                 | SCALE<br>4:1                                                                                                                     | DESIGN UNITS<br>METRIC                                                                                   |  THIRD ANGLE<br>PROJECTION |  |  |  |
|                                                                                                                                |                                   |             |                                                            | mm    | INCH                       | DRAWN BY<br>ELO | DATE<br>2006/04/06                                                                                                               | TITLE<br><br>GBX 4 PAIR<br>BACKPLANE POWER<br>SALES ASSEMBLY                                             |                                                                                                                 |  |  |  |
|                                                                                                                                |                                   |             | 4 PLACES                                                   | ± --- | ± ---                      | CHECKED BY      | DATE                                                                                                                             |                                                                                                          |                                                                                                                 |  |  |  |
|                                                                                                                                |                                   |             | 3 PLACES                                                   | ± --- | ± ---                      | ELO             | 2005/02/22                                                                                                                       |                                                                                                          |                                                                                                                 |  |  |  |
|                                                                                                                                |                                   |             | 2 PLACES                                                   | ± --- | ± ---                      | APPROVED BY     | DATE                                                                                                                             |                                                                                                          |                                                                                                                 |  |  |  |
|                                                                                                                                |                                   |             | 1 PLACE                                                    | ± --- | ± ---                      | CUNNINGHAM      | 2005/02/23                                                                                                                       |  MOLEX INCORPORATED |                                                                                                                 |  |  |  |
|                                                                                                                                |                                   |             | ANGULAR ± ---°                                             |       | MATERIAL NO.               | DOCUMENT NO.    | SHEET NO.<br>3 OF 4                                                                                                              |                                                                                                          |                                                                                                                 |  |  |  |
|                                                                                                                                |                                   |             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE CHART                  |                 |                                                                                                                                  |                                                                                                          |                                                                                                                 |  |  |  |
|                                                                                                                                |                                   |             | REV                                                        | C     |                            | SIZE<br>B       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                                                                                                          |                                                                                                                 |  |  |  |
|                                                                                                                                |                                   |             |                                                            |       |                            | SD-75341-001    |                                                                                                                                  |                                                                                                          |                                                                                                                 |  |  |  |

10 9 8 7 6 5 4 3 2 1

F  
E  
D  
C  
B  
A

SEE NOTE 5.

6.0 mm WIPE  
7.5 mm WIPE

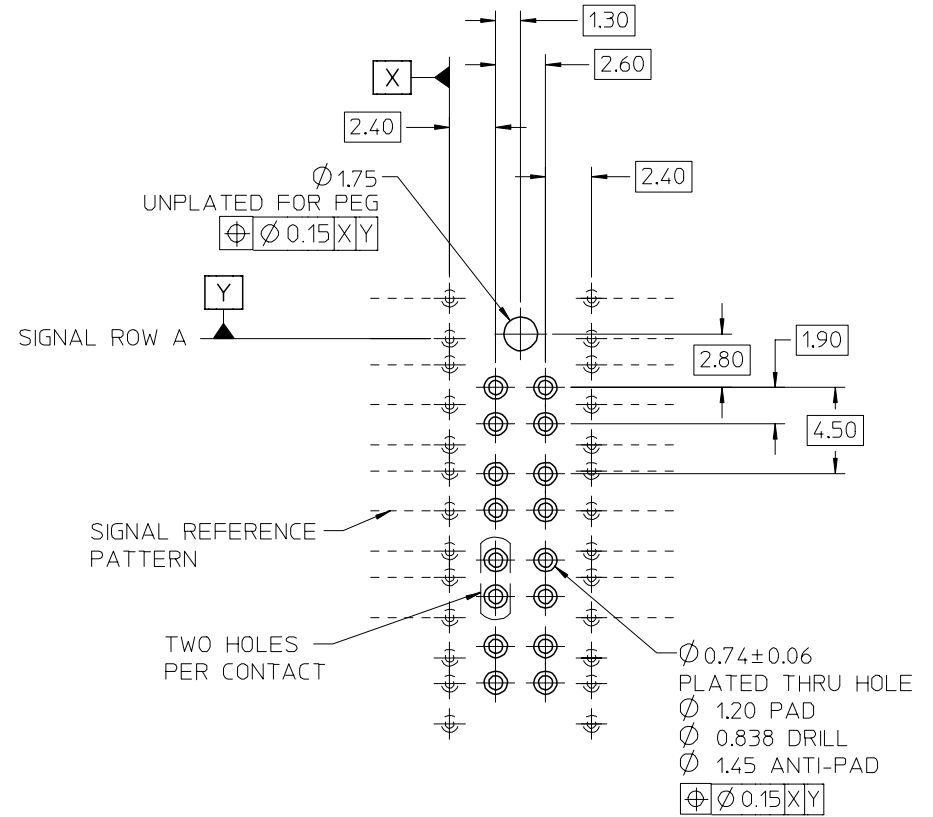
4.5 mm WIPE

0.76  
DC BOARD EDGE TO  
CENTERLINE OF BP TAIL



### HOLE PATTERN FOR 1-UP ASSEMBLY

- 1.) ADD 7.40 FROM CENTERLINES OF PEGS FOR MULTIPLE UP ASSEMBLIES.
- 2.) ADD 5.55 FROM CENTERLINE TO CENTERLINE OF PEG FOR INDIVIDUAL POWER MODULES STACKED NEXT TO EACH OTHER.



|                                                                                                                                   |                                             |                                                            |           |                            |      |                           |                        |                                                          |  |
|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------|-----------|----------------------------|------|---------------------------|------------------------|----------------------------------------------------------|--|
| ADDED $\phi 0.74 \pm 0.06$<br>EC NO: UCP2008-0426<br>DRAWN: STEWART 2007/08/29<br>CHKD: 2007/08/30<br>APPR: J. BINGHAM 2007/08/31 | QUALITY SYMBOLS<br>$\nabla=0$<br>$\nabla=0$ | GENERAL TOLERANCES (UNLESS SPECIFIED)                      |           | DIMENSION STYLE<br>MM ONLY |      | SCALE<br>4:1              | DESIGN UNITS<br>METRIC | THIRD ANGLE PROJECTION                                   |  |
|                                                                                                                                   |                                             |                                                            |           | mm                         | INCH | DRAWN BY<br>ELO           | DATE<br>2006/04/06     | TITLE<br>GBX 4 PAIR<br>BACKPLANE POWER<br>SALES ASSEMBLY |  |
|                                                                                                                                   |                                             | 4 PLACES                                                   | $\pm$ --- | $\pm$ ---                  |      | CHECKED BY<br>ELO         | DATE<br>2005/02/22     |                                                          |  |
|                                                                                                                                   |                                             | 3 PLACES                                                   | $\pm$ --- | $\pm$ ---                  |      | APPROVED BY<br>CUNNINGHAM | DATE<br>2005/02/23     | MOLEX INCORPORATED                                       |  |
| REV<br>C                                                                                                                          | DESCRIPTION                                 | 2 PLACES                                                   | $\pm$ --- | $\pm$ ---                  |      | MATERIAL NO.              | DOCUMENT NO.           |                                                          |  |
|                                                                                                                                   |                                             | 1 PLACE                                                    | $\pm$ --- | $\pm$ ---                  |      | SEE PREVIOUS              |                        | SD-75341-001                                             |  |
|                                                                                                                                   |                                             | ANGULAR $\pm$ ----                                         |           |                            |      |                           |                        |                                                          |  |
|                                                                                                                                   |                                             | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |           |                            |      |                           |                        | SHEET NO.<br>4 OF 4                                      |  |

9 8 7 6 5 4 3 2 1

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

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

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

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

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

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

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

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

### Офис по работе с юридическими лицами:

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