

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0740612501

Status:

Active

Overview:

[vhdm](#)

Description:

2.00mm (.079") Pitch VHDM® Board-to-Board Backplane Header, Vertical, 8-Row, Guide Pin Signal Module, Pin End Version, 200 Circuits, Pin Length 4.75mm (.187")

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

| General                        |                                                                                 |
|--------------------------------|---------------------------------------------------------------------------------|
| Product Family                 | Backplane Connectors                                                            |
| Series                         | <a href="#">74061</a>                                                           |
| Application                    | Backplane                                                                       |
| Application Tooling Documents  | <a href="http://www.molex.com/pdm_docs/ats/TM-622010999.pdf">Tooling Manual</a> |
| Comments                       | No Keying Position                                                              |
| Component Type                 | PCB Header                                                                      |
| Overview                       | <a href="#">vhdm</a>                                                            |
| Product Name                   | VHDM®                                                                           |
| Style                          | N/A                                                                             |
| Physical                       |                                                                                 |
| Circuits (Loaded)              | 200                                                                             |
| Circuits (maximum)             | 200                                                                             |
| Color - Resin                  | Black                                                                           |
| Durability (mating cycles max) | 200                                                                             |
| First Mate / Last Break        | No                                                                              |
| Guide to Mating Part           | Yes                                                                             |
| Keying to Mating Part          | None                                                                            |
| Material - Metal               | Beryllium Copper, High Performance Alloy (HPA), Stainless Steel                 |
| Material - Plating Mating      | Gold                                                                            |
| Material - Plating Termination | Tin-Lead                                                                        |
| Material - Resin               | High Temperature Thermoplastic                                                  |
| Number of Columns              | N/A                                                                             |
| Number of Pairs                | Open Pin Field                                                                  |
| Number of Rows                 | 8                                                                               |
| Orientation                    | Vertical                                                                        |
| PC Tail Length (in)            | 0.098 In                                                                        |
| PC Tail Length (mm)            | 2.50 mm                                                                         |
| PCB Locator                    | No                                                                              |
| PCB Retention                  | None                                                                            |
| PCB Thickness Recommended (in) | 0.070 In                                                                        |
| PCB Thickness Recommended (mm) | 1.80 mm                                                                         |
| Packaging Type                 | Tube                                                                            |
| Pitch - Mating Interface (in)  | 0.079 In                                                                        |
| Pitch - Mating Interface (mm)  | 2.00 mm                                                                         |
| Pitch - Term. Interface (in)   | 0.079 In                                                                        |
| Pitch - Term. Interface (mm)   | 2.00 mm                                                                         |
| Plating min: Mating (µin)      | 30                                                                              |
| Plating min: Mating (µm)       | 0.75                                                                            |
| Plating min: Termination (µin) | 30                                                                              |
| Plating min: Termination (µm)  | 0.75                                                                            |
| Polarized to PCB               | Yes                                                                             |
| Stackable                      | No                                                                              |



Series

image - Reference only

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

Halogen-Free

China RoHS



Pb

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

[74061Series](#)

Mates With

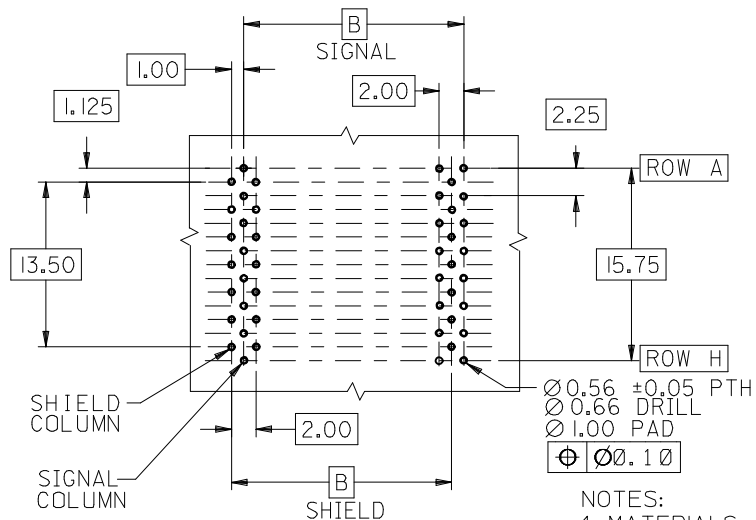
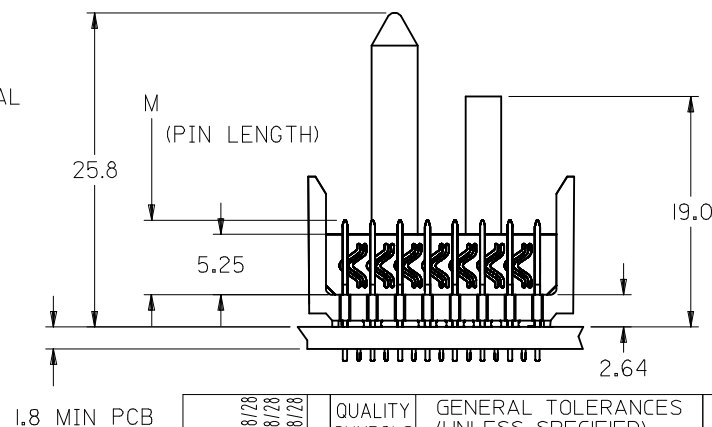
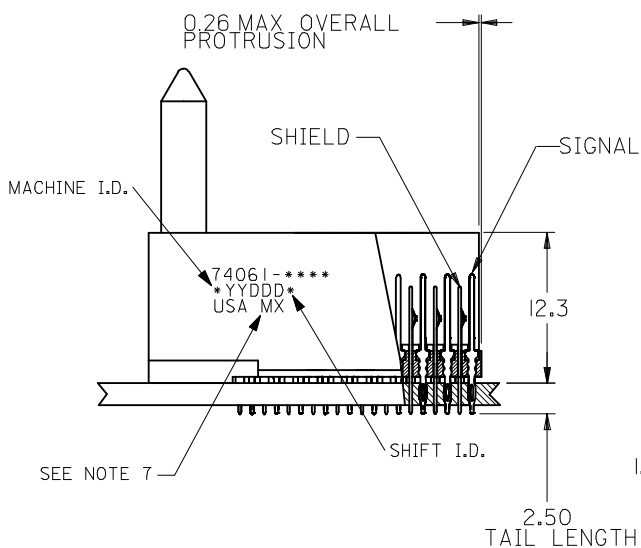
[74040](#) VHDM® Board-to-Board Daughtercard Receptacle

| 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 #                  |
| VHDM® Signal Pin Inserter Repair Tool                                                                                                                                           | <a href="#">0622015700</a> |
| VHDM® 8 Row and Shield Repair Tool                                                                                                                                              | <a href="#">0622015900</a> |
| VHDM® 8 Row Shield Extraction Tool                                                                                                                                              | <a href="#">0622016100</a> |

|                                                                          |                              |                                         |
|--------------------------------------------------------------------------|------------------------------|-----------------------------------------|
| Surface Mount Compatible (SMC)                                           | Yes                          | VHDM® Insertion <u>0622020206</u>       |
| Temperature Range - Operating                                            | 105°C max                    | Module for Advanced                     |
| Termination Interface: Style                                             | Through Hole - Compliant Pin | Mate Signal Header,                     |
| <b>Electrical</b>                                                        |                              | 6 Row by 25 Wide,                       |
| Current - Maximum per Contact                                            | 1A                           | 50.00mm (1.97")                         |
| Data Rate                                                                | 3.125 Gbps                   | VHDM® Insertion <u>0622020210</u>       |
| Real Signals (per 25mm)                                                  | 100                          | Module for Standard                     |
| Shield Type                                                              | Ground Plane Shield          | Shield Signal                           |
| Shielded                                                                 | Yes                          | Header, 8 Row by                        |
| Voltage - Maximum                                                        | 120V AC (RMS)/DC             | 25 Wide, 50.00mm                        |
| <b>Material Info</b>                                                     |                              | (1.97")                                 |
|                                                                          |                              | Flat Rock Tooling for <u>0622013700</u> |
|                                                                          |                              | Pneumatic Press                         |
| <b>Reference - Drawing Numbers</b>                                       |                              |                                         |
| Sales Drawing                                                            | SD-74061-002                 |                                         |
| VHDM and Very High Density Metric are trademarks of Amphenol Corporation |                              |                                         |

This document was generated on 06/01/2010

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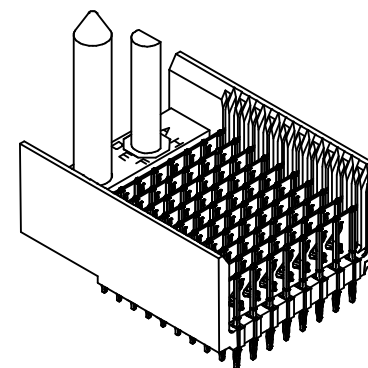


**BACKPLANE HOLE PATTERN**  
RECOMMENDED DIMENSION

Ø0.56 ±0.05 PTH  
Ø0.66 DRILL  
Ø1.00 PAD  
⊕ Ø0.10

**NOTES:**

1. MATERIALS:  
HOUSING - LIQUID CRYSTAL POLYMER (LCP),  
GLASS-FILLED, UL 94V-0, COLOR: BLACK  
SIGNAL PIN & SHIELD - COPPER ALLOY
2. FINISHES:  
CONTACT AREA: SELECTIVE GOLD (Au)  
PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb)  
OR SELECTIVE MATTE TIN (Sn)  
NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT  
SPECIFICATION PS-74031-999
4. FOR MIXED CONTACT LENGTHS CONSULT  
MOLEX FOR AVAILABILITY
5. FOR SPECIFIC MATERIAL NUMBERS & MATING  
INFORMATION REFER TO SHEET 2
6. PACKAGE PER PK-74061-003
7. EITHER MARK PART WITH PART NUMBER & DATE  
CODE APPROXIMATELY WHERE SHOWN OR PLACE  
LABEL ON THE TUBE.



| <div>CORRECTED DIMS</div> <div>EC NO: UCP2008-0329</div> <div>DRWN: JONI AK 2007/08/28</div> <div>CHKD: JONI AK 2007/08/28</div> <div>APPR: CBIXLER 2007/08/28</div> |       |       | <div>DESCRIPTION</div> <div>REV</div> |  | <div>QUALITY SYMBOLS</div> <div>▽=0</div> <div>▽=0</div> |  | <div>GENERAL TOLERANCES (UNLESS SPECIFIED)</div> <table><thead><tr><th></th><th>mm</th><th>INCH</th></tr></thead><tbody><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr></tbody></table> <div>ANGULAR ±1/2°</div> |  |                                                                                                                                          | mm | INCH | 4 PLACES | ± --- | ± --- | 3 PLACES | ± --- | ± --- | 2 PLACES | ± --- | ± --- | 1 PLACE | ± --- | ± --- | <div>DIMENSION STYLE</div> <div>MM ONLY</div> <div>DRAWN BY MWANG</div> <div>DATE 1998/11/09</div> <div>CHECKED BY JLAURX</div> <div>DATE 1998/11/09</div> <div>APPROVED BY CBIXLER</div> <div>DATE 1998/11/09</div> <div>MATERIAL NO.</div> |  | <div>SCALE</div> <div>2.5:1</div> <div>DESIGN UNITS</div> <div>METRIC</div> <div>THIRD ANGLE PROJECTION</div> |  | <div>TITLE</div> <div>VHDM 8 ROW</div> <div>SIGNAL END BACKPLANE</div> <div>SALES ASSEMBLY</div> |  | <div>MOLEX INCORPORATED</div> |  | <div>SHEET NO.</div> <div>1 OF 3</div> |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|---------------------------------------|--|----------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|----|------|----------|-------|-------|----------|-------|-------|----------|-------|-------|---------|-------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------|--|-------------------------------|--|----------------------------------------|--|
|                                                                                                                                                                      | mm    | INCH  |                                       |  |                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                          |    |      |          |       |       |          |       |       |          |       |       |         |       |       |                                                                                                                                                                                                                                              |  |                                                                                                               |  |                                                                                                  |  |                               |  |                                        |  |
| 4 PLACES                                                                                                                                                             | ± --- | ± --- |                                       |  |                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                          |    |      |          |       |       |          |       |       |          |       |       |         |       |       |                                                                                                                                                                                                                                              |  |                                                                                                               |  |                                                                                                  |  |                               |  |                                        |  |
| 3 PLACES                                                                                                                                                             | ± --- | ± --- |                                       |  |                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                          |    |      |          |       |       |          |       |       |          |       |       |         |       |       |                                                                                                                                                                                                                                              |  |                                                                                                               |  |                                                                                                  |  |                               |  |                                        |  |
| 2 PLACES                                                                                                                                                             | ± --- | ± --- |                                       |  |                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                          |    |      |          |       |       |          |       |       |          |       |       |         |       |       |                                                                                                                                                                                                                                              |  |                                                                                                               |  |                                                                                                  |  |                               |  |                                        |  |
| 1 PLACE                                                                                                                                                              | ± --- | ± --- |                                       |  |                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                                                                                                          |    |      |          |       |       |          |       |       |          |       |       |         |       |       |                                                                                                                                                                                                                                              |  |                                                                                                               |  |                                                                                                  |  |                               |  |                                        |  |
| <div>DRAFT WHERE APPLICABLE</div> <div>MUST REMAIN</div> <div>WITHIN DIMENSIONS</div>                                                                                |       |       |                                       |  |                                                          |  | <div>SIZE</div> <div>B</div>                                                                                                                                                                                                                                                                                                                                                             |  | <div>THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</div> |    |      |          |       |       |          |       |       |          |       |       |         |       |       |                                                                                                                                                                                                                                              |  |                                                                                                               |  |                                                                                                  |  |                               |  |                                        |  |

10 9 8 7 6 5 4 3 2 74061

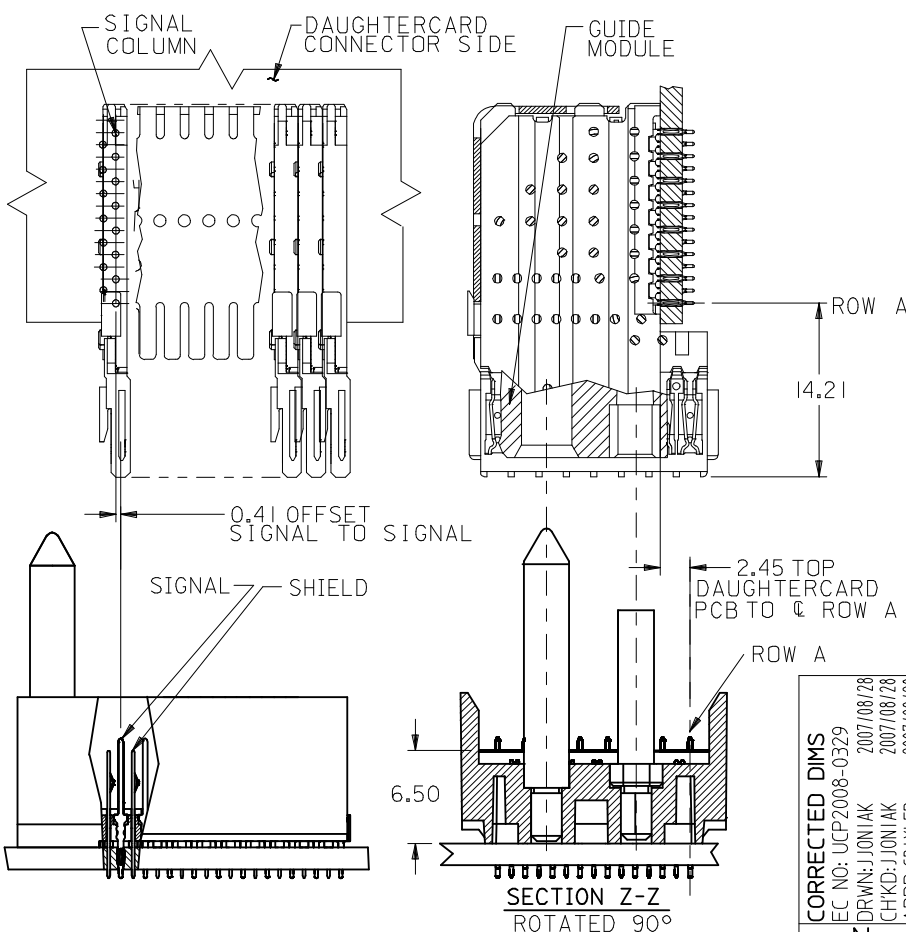
|                           |       |       |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| M/N<br>74061-( )          | -**0* | -**1* | -**2* | -**3* | -**4* | -**5* | -**6* | -**7* | -**8* |
| KEYING PIN<br>ORIENTATION | O     | A     | B     | C     | D     | E     | F     | G     | H     |
|                           |       |       |       |       |       |       |       |       |       |

74061 - \* \* \* \*

NUMBER OF COLUMNS/PLATING  
10 = 10 COLUMN TIN/LEAD  
12 = 12 COLUMN TIN/LEAD\*  
25 = 25 COLUMN TIN/LEAD  
90 = 10 COLUMN MATTE TIN  
92 = 12 COLUMN MATTE TIN\*  
85 = 25 COLUMN MATTE TIN

CONTACT LOAD  
(PIN LENGTH)  
1 & 6 = 4.75  
2 & 7 = 6.25  
3 & 8 = 4.25  
4 & 9 = 5.15

\*12 COLUMN P/N'S ON SHEET 3



| PART NUMBER | COLUMN | NUMBER OF SIGNAL | NUMBER OF PIN | NUMBER OF SHIELD | A     | B     | M    | Au (um) THICKNESS | Sn (um) THICKNESS |
|-------------|--------|------------------|---------------|------------------|-------|-------|------|-------------------|-------------------|
| 74061-*0*1  | 10     | 80               | 10            | 10               | 27.00 | 18.00 | 4.75 | 0.76              | 0.76-1.52         |
| 74061-*0*6  |        |                  |               |                  |       |       |      | 1.27              |                   |
| 74061-*5*1  | 25     | 200              | 25            | 25               | 57.00 | 48.00 | 4.75 | 0.76              |                   |
| 74061-*5*6  |        |                  |               |                  |       |       |      | 1.27              |                   |
| 74061-*0*2  | 10     | 80               | 10            | 10               | 27.00 | 18.00 | 6.25 | 0.76              |                   |
| 74061-*0*7  |        |                  |               |                  |       |       |      | 1.27              |                   |
| 74061-*5*2  | 25     | 200              | 25            | 25               | 57.00 | 48.00 | 6.25 | 0.76              |                   |
| 74061-*5*7  |        |                  |               |                  |       |       |      | 1.27              |                   |
| 74061-*0*3  | 10     | 80               | 10            | 10               | 27.00 | 18.00 | 4.25 | 0.76              |                   |
| 74061-*0*8  |        |                  |               |                  |       |       |      | 1.27              |                   |
| 74061-*5*3  | 25     | 200              | 25            | 25               | 57.00 | 48.00 | 4.25 | 0.76              |                   |
| 74061-*5*8  |        |                  |               |                  |       |       |      | 1.27              |                   |
| 74061-*0*4  | 10     | 80               | 10            | 10               | 27.00 | 18.00 | 5.15 | 0.76              |                   |
| 74061-*0*9  |        |                  |               |                  |       |       |      | 1.27              |                   |
| 74061-*5*4  | 25     | 200              | 25            | 25               | 57.00 | 48.00 | 5.15 | 0.76              |                   |
| 74061-*5*9  |        |                  |               |                  |       |       |      | 1.27              |                   |

CORRECTED DIMS  
EC NO: UCP2008-0329  
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QUALITY SYMBOLS  
▽=0  
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)  
mm INCH  
4 PLACES ± --- ± ---  
3 PLACES ± --- ± ---  
2 PLACES ± --- ± ---  
1 PLACE ± --- ± ---  
ANGULAR ±1/2°  
DRAFT WHERE APPLICABLE  
MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY  
DRAWN BY DATE  
MWANG 1998/11/09  
CHECKED BY DATE  
JLAURX 1998/11/09  
APPROVED BY DATE  
CBIXLER 1998/11/09  
MATERIAL NO.  
SEE CHART  
SIZE B

SCALE  
2.5:1  
TITLE  
SD-74061-002  
DOCUMENT NO.

DESIGN UNITS  
METRIC  
THIRD ANGLE PROJECTION  
VHDM 8 ROW  
SIGNAL END BACKPLANE  
SALES ASSEMBLY  
MOLEX INCORPORATED  
SHEET NO.  
2 OF 3  
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.
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- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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- 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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