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Part Number:

0754921047

Status:

Active

Overview:

gbx_backplane_connector_system

Description:

1.85mm by 1.85mm (.073 by .073") Pitch 2-Pair GbX® Backplane Connector System, Power Module, 4 Circuits, 1.27µm (50µ") Gold (Au)

Documents:

Drawing (PDF)

Product Specification PS-75221-999 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

UL

E29179

General

Product Family

Series

Application

Application Tooling Documents

Comments

Component Type

Overview

Product Name

Style

Backplane Connectors

75492

Backplane

Tooling Manual

Blade Length A 4.50mm, B 7.50mm

Power Header

gbx_backplane_connector_system

GbX®

N/A

Physical

Circuits (Loaded)

Circuits (maximum)

Circuits Detail

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Guide to Mating Part

Keying to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Columns

Number of Pairs

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

4

4

Rows A & B

Gray (Dark)

200

Yes

94V-0

No

None

High Performance Alloy (HPA)

Gold

Tin-Lead

High Temperature Thermoplastic

N/A

2

2

Vertical

0.090 In

2.28 mm

Yes

Yes

0.063 In

1.60 mm

Tube

0.730 In

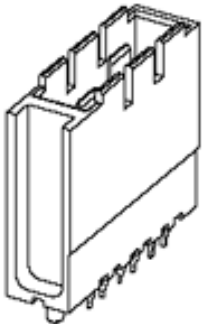
1.85 mm

0.102 In

2.60 mm

50

1.25



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
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
75492Series

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 #
GbX® Shield Removal Tool	0622022100
GbX® 2 Pair 1-Up Power Module	0622022480

Plating min: Termination (μin)	30
Plating min: Termination (μm)	0.75
Polarized to PCB	Yes
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	6A
Data Rate	8.0 Gbps
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

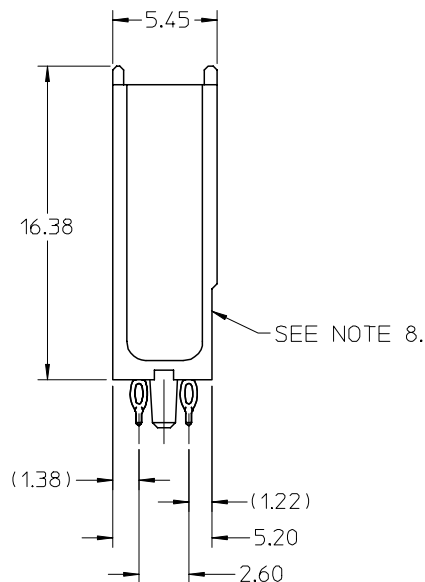
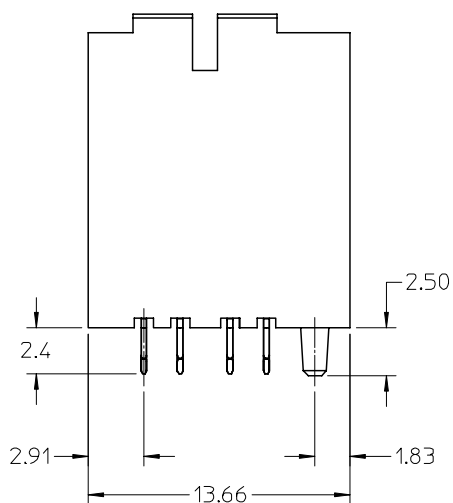
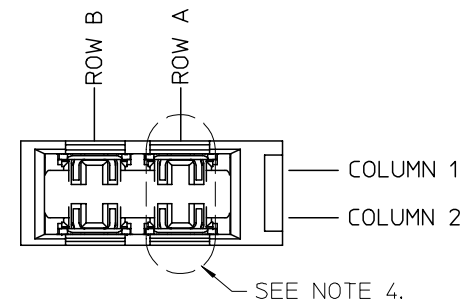
Reference - Drawing Numbers

Packaging Specification	PK-70873-578
Product Specification	PS-75221-999
Sales Drawing	SD-75492-001

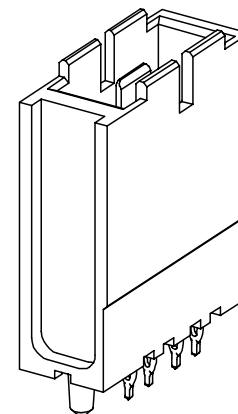
GbX is a registered trademark of Amphenol Corporation.

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10 9 8 7 6 5 4 3 2 1



- NOTES:
1. MATERIALS: HOUSING - LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, GRAY; CONTACT - COPPER ALLOY
 2. FINISH: SELECT GOLD IN CONTACT AREA, 50 μ THICK; TIN/LEAD OR MATTE TIN IN COMPLIANT AREA.
 3. PACKAGING PER PK-70873-578.
 4. CONTACTS IN EACH ROW HAVE THE SAME WIPE LENGTH.
 5. BACKPLANE ASSEMBLY MATES WITH DAUGHTERCARD POWER MODULE 75292-2***.
 6. PART SHOWN IS 75492-1067.
 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 4 9 2 - 1 0 A B

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

4 = 4.5 mm

6 = 6.0 mm

7 = 7.5 mm

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

2 = 4.5 mm

3 = 6.0 mm

5 = 7.5 mm

SEE SHEET 4 FOR HOLE PATTERN LAYOUT

ADDED NOTES 9 & 10 EC NO: UCP2008-0426 DRAWN: STEWART 2007/08/29 CHKD: J. BINGHAM 2007/08/30 APPR: J. BINGHAM 2007/08/31	QUALITY SYMBOLS =0 =0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY ELO	DATE 2005/07/01	TITLE GBX 2 PAIR BACKPLANE POWER SALES ASSEMBLY				
			4 PLACES	± ---	± ---	CHECKED BY	DATE 2005/07/01					
			3 PLACES	± ---	± ---	ELO						
			2 PLACES	± ---	± ---	APPROVED BY	DATE 2005/07/06					
			1 PLACE	± ---	± ---	BIXLER		MOLEX INCORPORATED				
			ANGULAR ± 5 °		MATERIAL NO.	DOCUMENT NO.	SHEET NO. 1 OF 4					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART					SD-75492-001		
				SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

9 8 7 6 5 4 3 2 1

2-UP ASSEMBLY PART NUMBER

7 5 4 9 2 - 2 0 A B

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

4 = 4.5 mm

6 = 6.0 mm

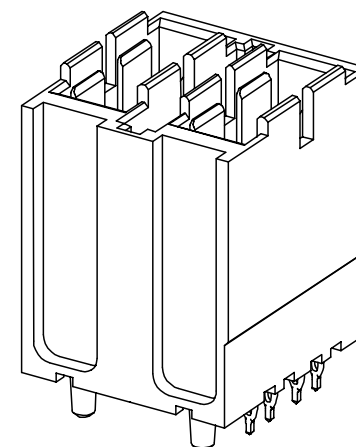
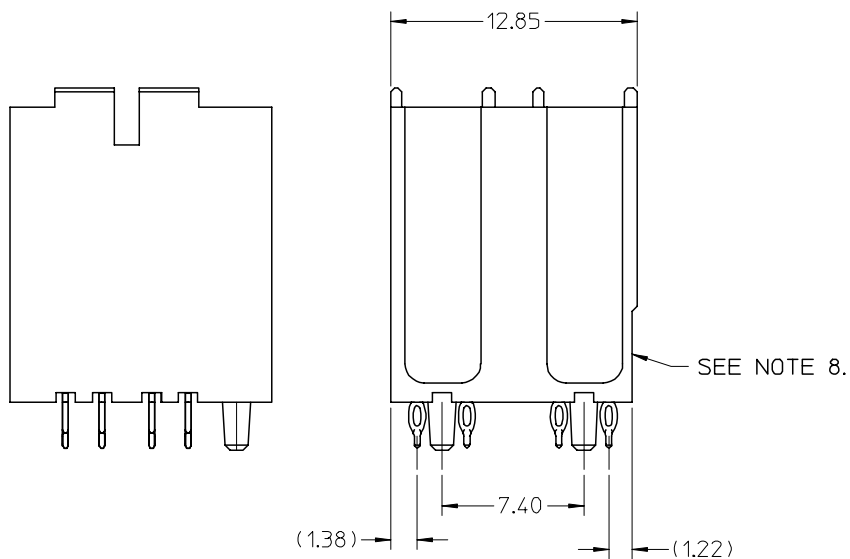
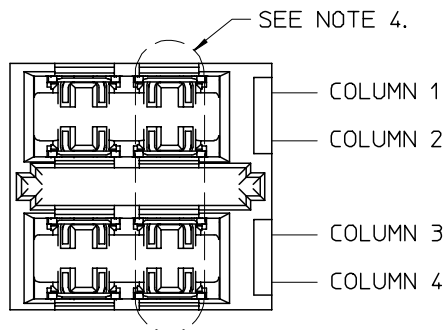
7 = 7.5 mm

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

2 = 4.5 mm

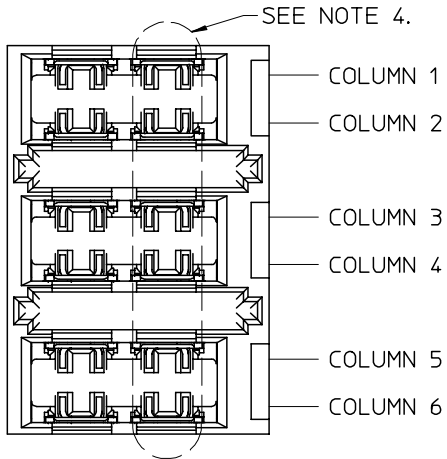
3 = 6.0 mm

5 = 7.5 mm



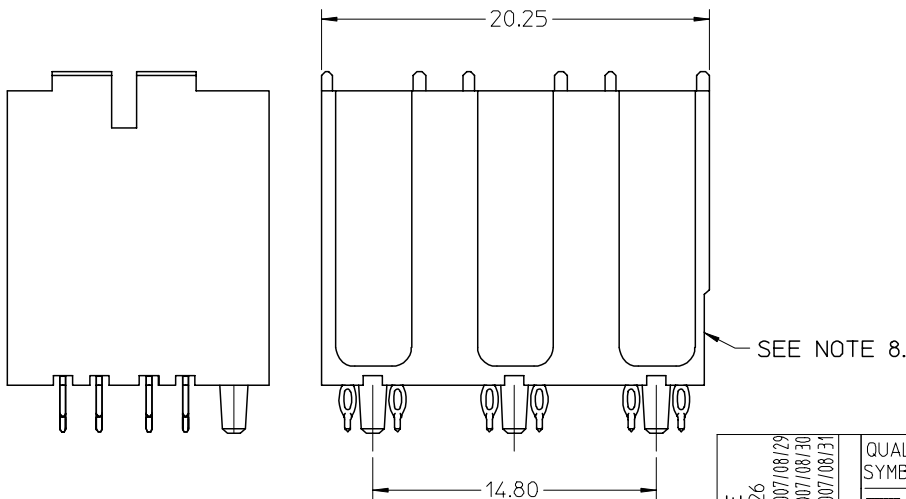
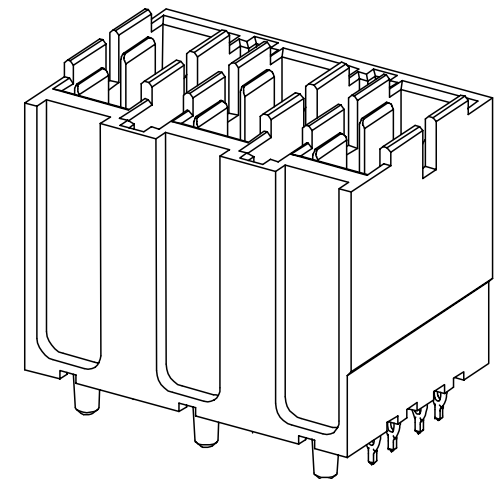
SEE SHEET 1 FOR ADDITIONAL INFORMATION
CHECK WITH PRODUCT MANAGER FOR AVAILABILITY

SEE SHEET ONE EC NO: UCP2008-0426 DRAWN: STEWART 2007/08/29 CHKD: J. BINGHAM 2007/08/30 APPR: J. BINGHAM 2007/08/31	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY ELO	DATE 2005/07/01	GBX 2 PAIR BACKPLANE POWER SALES ASSEMBLY			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	ELO	2005/07/01	MOLEX INCORPORATED			
			2 PLACES	± ---	± ---	APPROVED BY	DATE				
			1 PLACE	± ---	± ---	BIXLER	2005/07/06	SD-75492-001			
			ANGULAR ± 5 °		MATERIAL NO.		DOCUMENT NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
			REV			SIZE B					



3-UP ASSEMBLY PART NUMBER

- 7 5 4 9 2 - 3 0 A B
- TIN/LEAD PLATED PRODUCT -
FOR EACH ROW LOCATION A, B:
4 = 4.5 mm
6 = 6.0 mm
7 = 7.5 mm
 - LEAD-FREE PLATED PRODUCT -
FOR EACH ROW LOCATION A, B:
2 = 4.5 mm
3 = 6.0 mm
5 = 7.5 mm



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

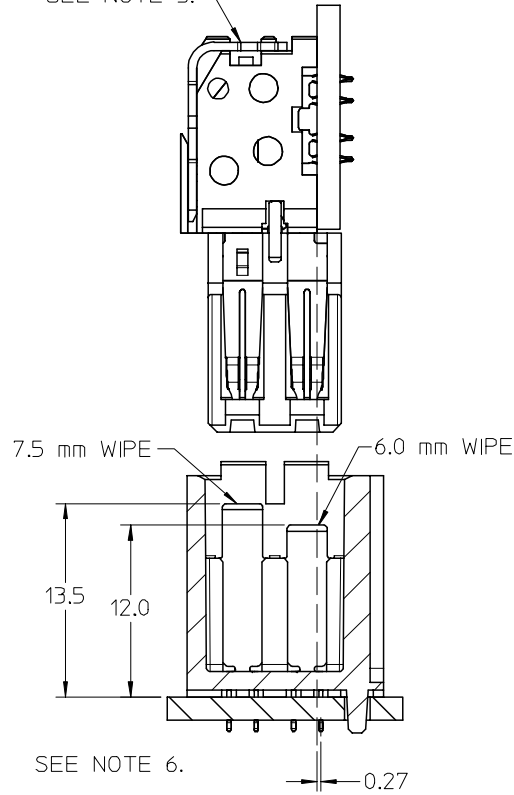
SEE SHEET ONE EC NO: UCP2008-0426 DRAWN: STEWART 2007/08/29 CHKD: BINGHAM 2007/08/30 APPR: BINGHAM 2007/08/31	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					DRAWN BY ELO	DATE 2005/07/01	TITLE GBX 2 PAIR BACKPLANE POWER SALES ASSEMBLY		
					CHECKED BY ELO	DATE 2005/07/01			
					APPROVED BY BIXLER	DATE 2005/07/06			
			ANGULAR ± 5 °		MATERIAL NO.		DOCUMENT NO.		
REV C		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE CHART		SD-75492-001				
			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

10 9 8 7 6 5 4 3 2 1

HOLE PATTERN FOR 1-UP ASSEMBLY

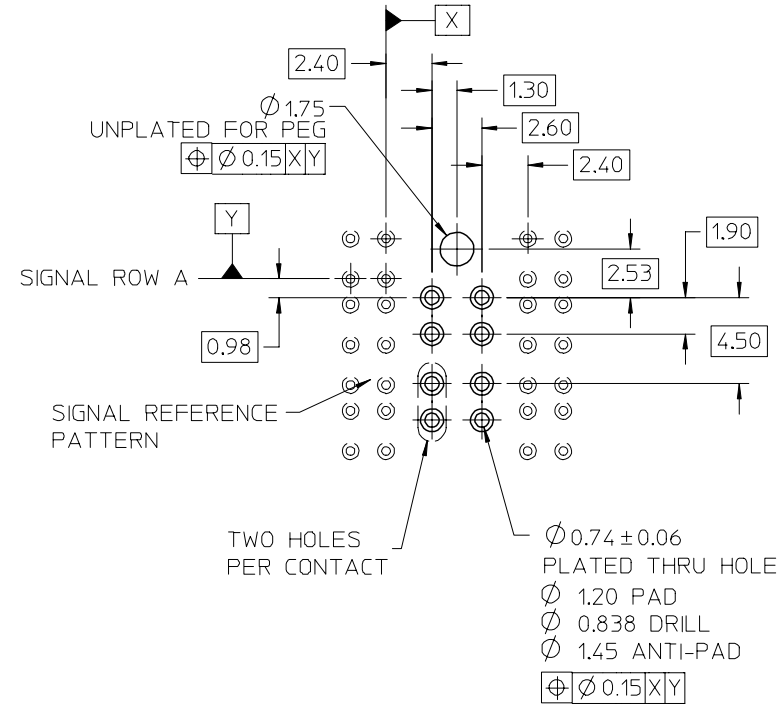
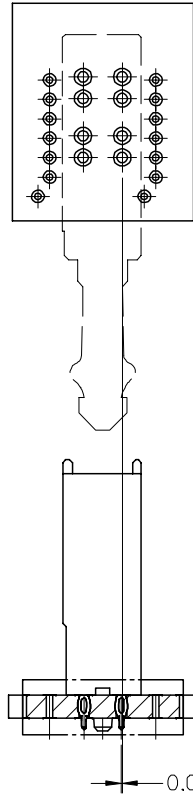
- 1.) ADD 7.40 FROM CENTERLINES OF PEG FOR MULTIPLE UP ASSEMBLIES
- 2.) USE 5.55 FROM CENTERLINE TO CENTERLINE OF PEG FOR INDIVIDUAL POWER MODULES STACKED NEXT TO EACH OTHER.

SEE NOTE 5.



SEE NOTE 6.

0.27
DC BOARD EDGE TO
CENTERLINE OF BP TAIL



SEE SHEET ONE
EC NO: UCP2008-0426
DRAWN: STEWART 2007/08/29
CHKD: BINGHAM 2007/08/30
APPR: BINGHAM 2007/08/31

QUALITY
SYMBOLS
=0
=0

	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ± 5 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
ELO	2005/07/01
CHECKED BY	DATE
ELO	2005/07/01
APPROVED BY	DATE
BIXLER	2005/07/06
MATERIAL NO.	
SEE PREVIOUS	
SIZE	
B	

SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE GBX 2 PAIR BACKPLANE POWER SALES ASSEMBLY		
6  MOLEX INCORPORATED		
DOCUMENT NO. SD-75492-001		SHEET NO. 4 OF 4
TAINS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

9 8 7 6 5 4 3 2 1

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Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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