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Part Number: [0877131005](#)
Status: **Active**
Description: 1.27mm (.050") Pitch Serial ATA Host Receptacle, Surface Mount, Vertical, Standard Height, with 1.05mm (.041") Plastic Locating Peg, 0.76µm (30µ") Gold (Au) Selective Plating, without Kapton Tape, Tray Packaging, 22 Circuits, Leadfree

Documents:
[3D Model](#) [Product Specification PS-87713-016 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General
Product Family PCB Receptacles
Series [87713](#)
Application Board-to-Board
Comments 1.05mm (.041") Plastic Locating Peg
Product Literature Order No SNG-029
Product Name Serial ATA

Physical
Circuits (Loaded) 22
Circuits Detail Power 15 pins|Signal 7 pins
Durability (mating cycles max) 500
Glow-Wire Compliant No
Lock to Mating Part Yes
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Vertical
PCB Locator Yes
PCB Retention None
PCB Thickness Recommended (in) 0.062 In
PCB Thickness Recommended (mm) 1.60 mm
Packaging Type Tray
Pitch - Mating Interface (in) 0.050 In
Pitch - Mating Interface (mm) 1.27 mm
Plating min: Mating (µin) 30
Plating min: Mating (µm) 0.76
Plating min: Termination (µin) 100
Plating min: Termination (µm) 2.54
Polarized to Mating Part Yes
Polarized to PCB Yes
Surface Mount Compatible (SMC) N/A
Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Surface Mount

Electrical
Current - Maximum per Contact 1.5A
Voltage - Maximum 30V

Solder Process Data
Duration at Max. Process Temperature (seconds) 10
Lead-free Process Capability Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 260

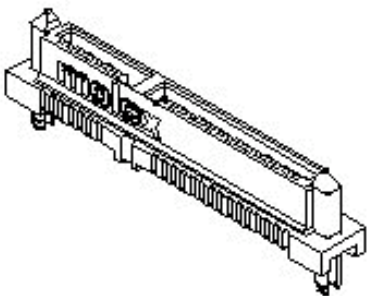


image - Reference only

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
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
[87713Series](#)

Mates With
[87679](#) , [87799](#) , [87703](#)

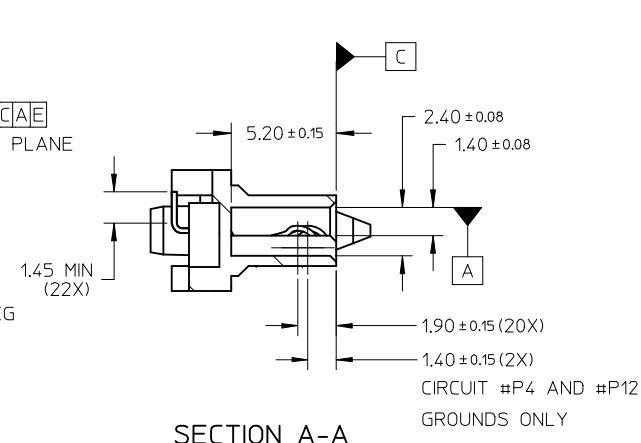
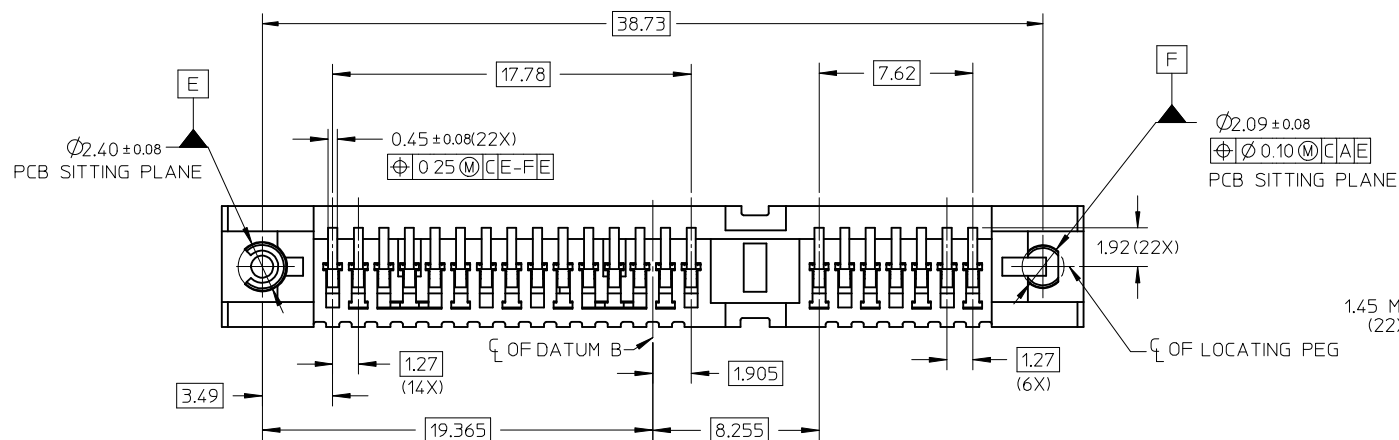
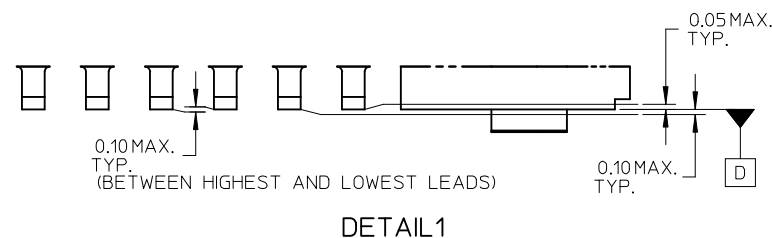
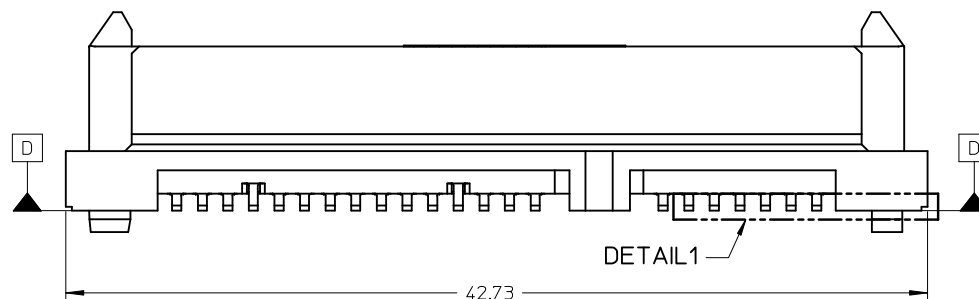
Material Info

Reference - Drawing Numbers

Product Specification	PS-87713-016
Sales Drawing	SD-87713-029

This document was generated on 03/29/2010

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NEW KAPTON TAPE			QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
EC NO: S2009-0322			2008/12/04		mm INCH		DRAWN BY DATE		TITLE					
DRWN:KHLIM			2008/12/04		4 PLACES ± --- ± ---		KHLIM 2005/03/07		SERIAL ATA BACKPLANE					
CHKD:CGOH			2008/12/05		3 PLACES ± --- ± ---		CHECKED BY DATE		SIL WITH 1.05 PEGS					
APPR:BOKOK					2 PLACES ± 0.20 ± ---		KCLING 2005/04/14		STD HEIGHT, RECEPT., SMT					
					1 PLACE ± --- ± ---		APPROVED BY DATE		MOLEX MOLEX INCORPORATED					
					ANGULAR ± 3 °		SKTOH 2005/04/14		DOCUMENT NO.					
					DRAFT WHERE APPLICABLE		MATERIAL NO.		SHEET NO.					
					MUST REMAIN		SEE TABLE		SD-87713-029					
					WITHIN DIMENSIONS		SIZE		2 OF 5					
B3			REV				A3		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

F

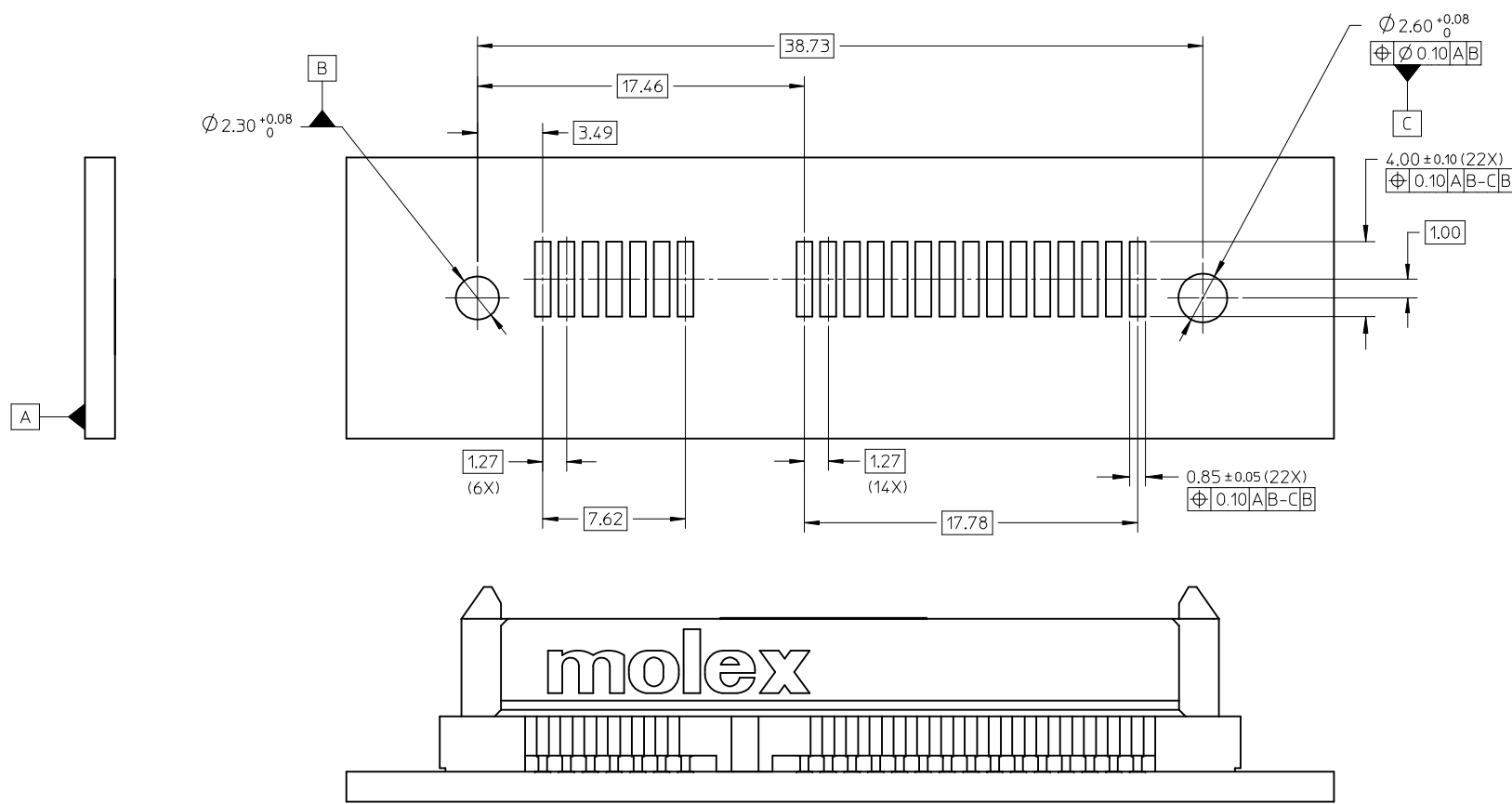
E

D

C

B

A



PCB THICKNESS: 1.60±0.10 mm
RECOMMENDED PCB LAYOUT

NEW KAPTON TAPE EC NO: S2009-0322 DRWN:KHLIM CHKD:CGOH APPR:BOKOK		DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY KHLIM	DATE 2005/03/07	TITLE SERIAL ATA BACKPLANE SIL WITH 1.05 PEGS STD HEIGHT, RECEPT., SMT			
				4 PLACES	± ---	± ---	CHECKED BY KCLING	DATE 2005/04/14				
				3 PLACES	± ---	± ---	APPROVED BY SKTOH	DATE 2005/04/14	MOLEX MOLEX INCORPORATED			
2 PLACES	± 0.20	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-87713-029		SHEET NO. 3 OF 5					
B3				ANGULAR ± 3 °								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		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

10 9 8 7 6 5 4 3 2 1

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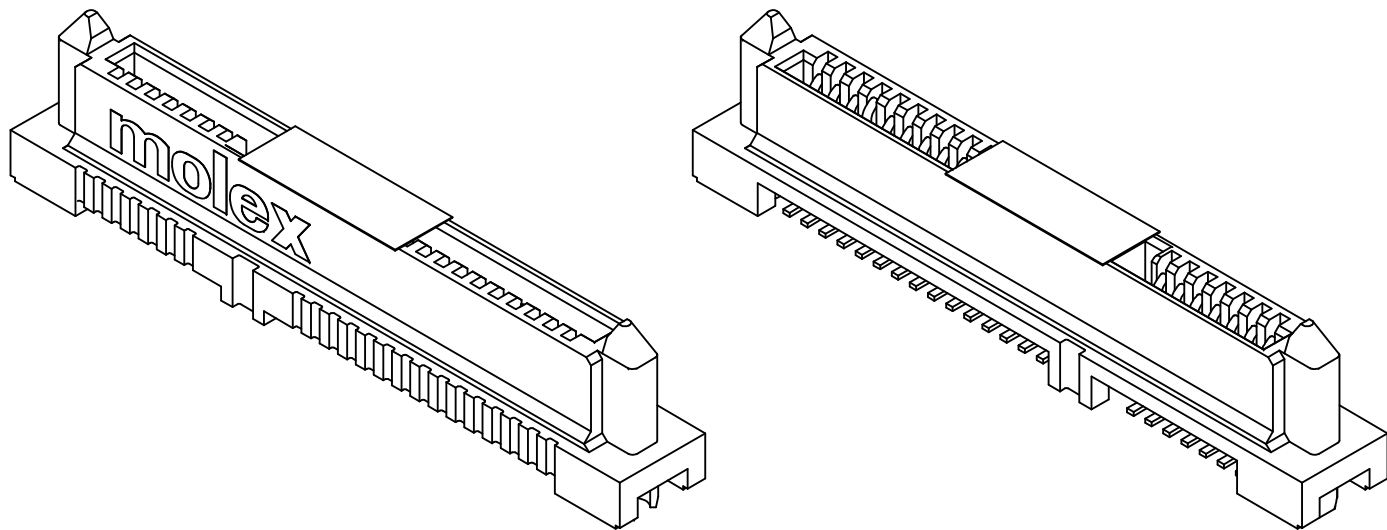
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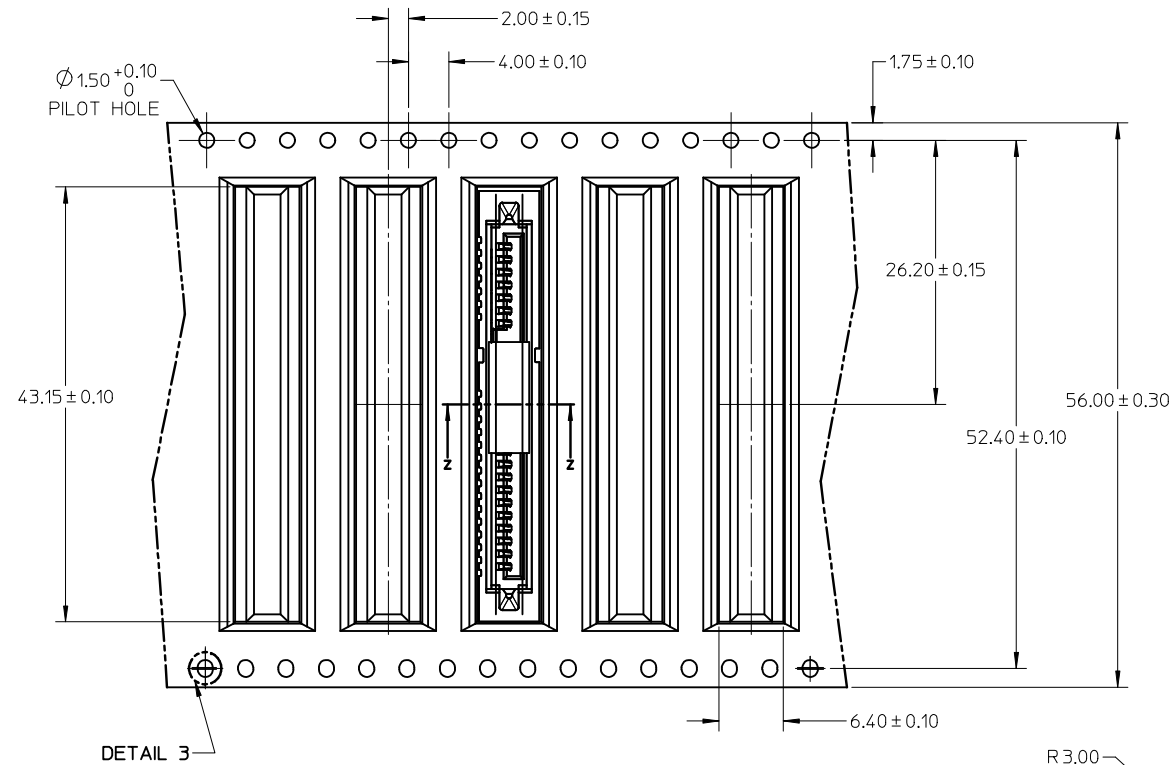
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NEW KAPTON TAPE EC NO: S2009-0322 2008/12/04 DRWN:KHLIM CHKD:CGOH 2008/12/04 APPR:BOKOK 2008/12/05		DESCRIPTION REV		QUALITY SYMBOLS =0 =0		GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.20 ± --- 1 PLACE ± --- ± --- ANGULAR ± 3 °		DIMENSION STYLE MM ONLY DRAWN BY DATE KHLIM 2005/03/07 CHECKED BY DATE KCLING 2005/04/14 APPROVED BY DATE SKTOH 2005/04/14 MATERIAL NO.		SCALE NTS		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION		TITLE SERIAL ATA BACKPLANE SIL WITH 1.05 PEGS STD HEIGHT, RECEPT., SMT MOLEX INCORPORATED		DOCUMENT NO. SD-87713-029		SHEET NO. 4 OF 5	
B3						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

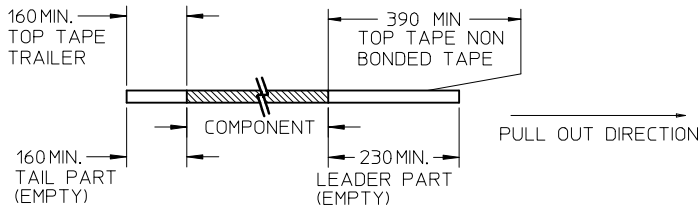
9 8 7 6 5 4 3 2 1

TAPE AND REEL PACKAGING

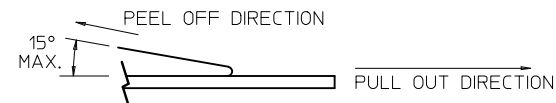


NOTES:

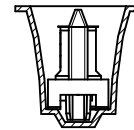
1. LEADER AND TRAILER TAPE



2. PEELING OFF FORCE OF THE TOP TAPE: 80gf MAX. (PEELING DIRECTION AS SHOWN IN FOLLOWING FIGURE)



- TAPE AND REEL SPECIFICATION IS AS PER EIA-481.
- TAPE AND REEL QUANTITY : 400 PCS/ REEL.
- THE TAPE IS TREATED FOR ANTI-STATIC.



SECTION Z-Z

DETAIL 3

NEW KAPTON TAPE			QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE NTS	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
EC NO: S2009-0322			▽=0		mm		DRAWN BY		DATE	TITLE SERIAL ATA BACKPLANE SIL WITH 1.05 PEGS STD HEIGHT, RECEPT., SMT		
2008/12/04			◇=0		INCH		KHLIM		2005/03/07			
DRWN:KHLIM					4 PLACES ± --- ± ---		CHECKED BY		DATE			
2008/12/04					3 PLACES ± --- ± ---		KCLING		2005/04/14			
CHKD:CGOH					2 PLACES ± 0.20 ± ---		APPROVED BY		DATE	MOLEX MOLEX INCORPORATED		
2008/12/05					1 PLACE ± --- ± ---		SKTOH		2005/04/14			
APPR:BOKOK					ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
					DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		SD-87713-029	5 OF 5		
B3			REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

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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.);

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JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

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«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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