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Part Number:

0459110045

Status:

Active

Overview:

Description:

12.90mm (.508") Pitch EXTreme PowerEdge™, Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Signal, Signal, Signal Sequence), Through Hole Solder for 1.57mm (.062") Thick PC Board

Agency Certification

CSA	LR 19980
TUV	30482572.001
UL	E29179

General

Product Family	Edge Card Connectors
Series	45911
Component Type	Edgecard to PCB
Overview	edge_card_connectors
Product Name	EXTreme PowerEdge™

Physical

Circuits (Loaded)	26
Circuits (maximum)	26
Circuits Detail	2 Power, 8 Signal, 8 Signal, 8 Signal
Color - Resin	Black
Durability (mating cycles max)	250
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Keying to Mating Part	N/A
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
PC Tail Length (in)	0.126 In
PC Tail Length (mm)	3.19 mm
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.508 In
Pitch - Mating Interface (mm)	12.90 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	150
Plating min: Termination (µm)	3.75
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	3A, 40A
Voltage - Maximum	250V

Solder Process Data

Duration at Max. Process Temperature (seconds)	5
Lead-free Process Capability	Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250

Material Info

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
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

45911Series

Mates With

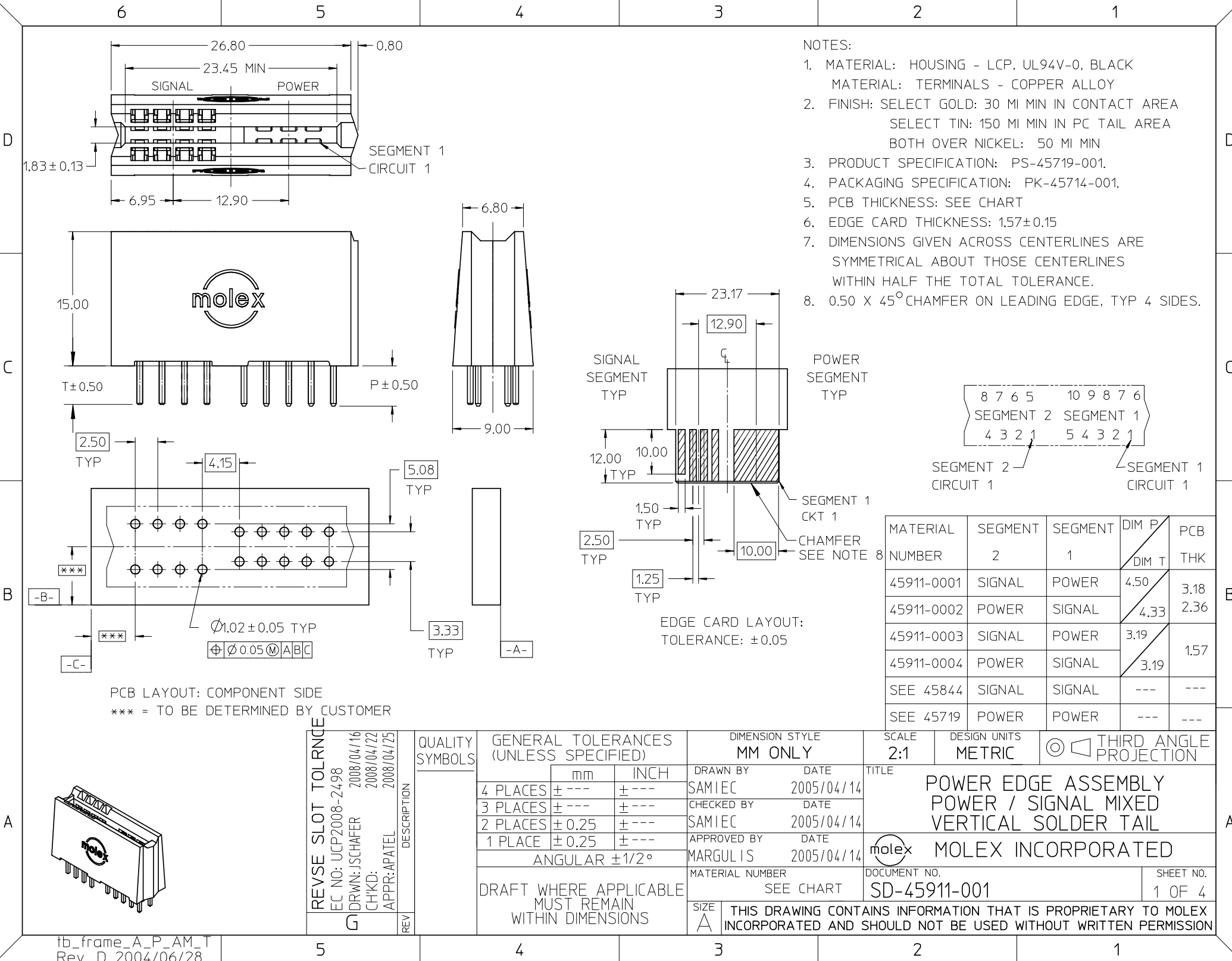
1.58mm (.062") double sided card edge

Reference - Drawing Numbers

Packaging Specification	PK-45714-001
Product Specification	PS-45719-001
Sales Drawing	SD-45911-001

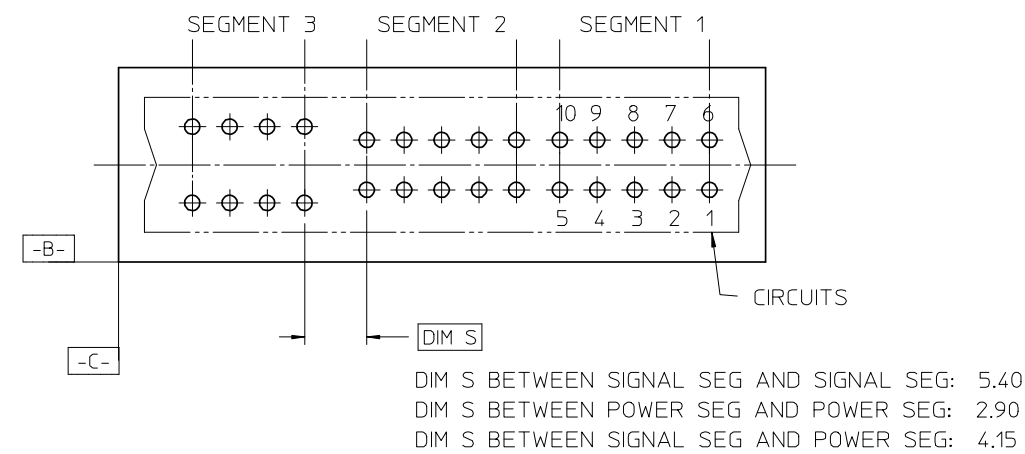
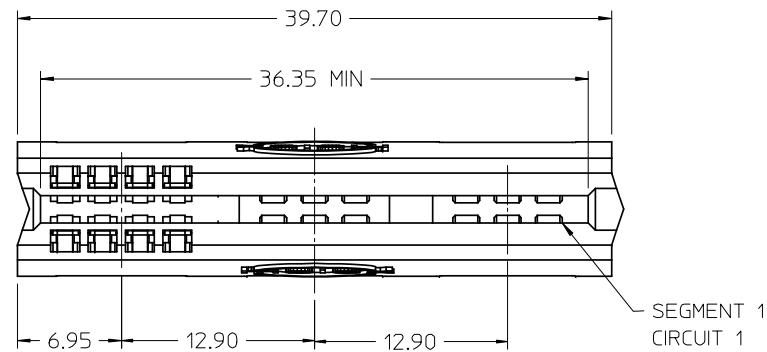
This document was generated on 06/04/2010

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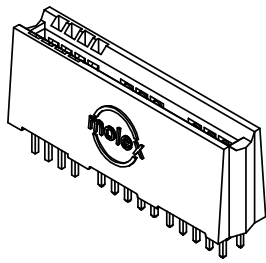
6 5 4 3 2 1

MATERIAL NUMBER: 45911-0007 SHOWN
SEE SHEET ONE FOR ALL OTHER NOTES AND DIMENSIONS

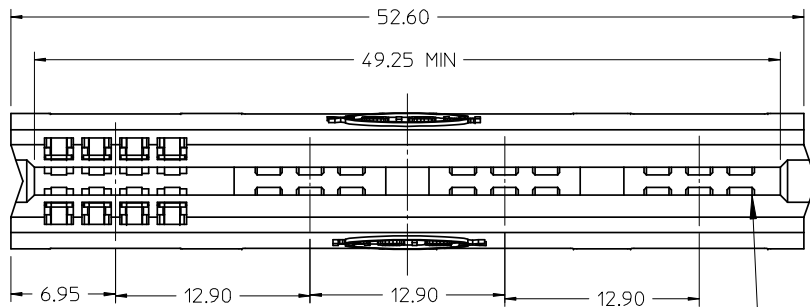


PCB LAYOUT: COMPONENT SIDE

MATERIAL NUMBER	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{DIM P}{DIM T}$	PCB THK
45911-0007	SIGNAL	POWER	POWER	$\frac{4.50}{4.33}$	3.18 2.36
45911-0008	POWER	SIGNAL	POWER		
45911-0009	SIGNAL	SIGNAL	POWER		
45911-0010	SIGNAL	POWER	SIGNAL		
45911-0011	POWER	SIGNAL	SIGNAL		
45911-0012	POWER	POWER	SIGNAL	$\frac{3.19}{3.19}$	1.57
45911-0013	SIGNAL	POWER	POWER		
45911-0014	POWER	SIGNAL	POWER		
45911-0015	SIGNAL	SIGNAL	POWER		
45911-0016	SIGNAL	POWER	SIGNAL		
45911-0017	POWER	SIGNAL	SIGNAL		
45911-0018	POWER	POWER	SIGNAL		

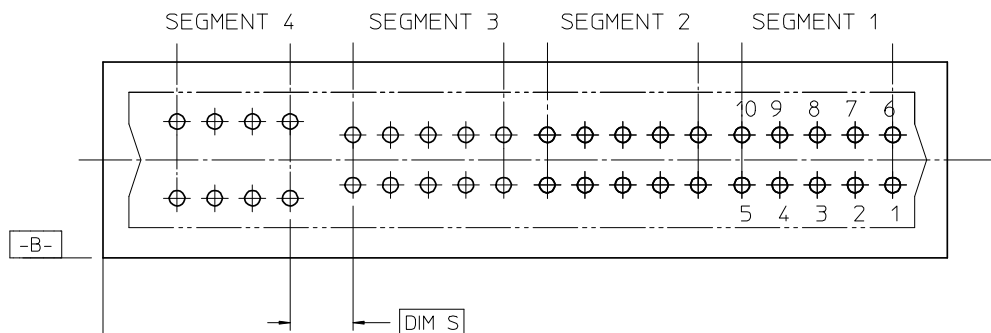


EC NO: UCP2008-2498 DRWN: JSCHAFFER 2008/04/16 CHKD: 2008/04/22 APPR: APATEL 2008/04/25 G	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY SAMIEC	DATE 2005/04/14	TITLE POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± ---	SAMIEC	2005/04/14			
			2 PLACES	± 0.25	± ---	APPROVED BY	DATE			
				1 PLACE	± 0.25	± ---	MARGULIS	2005/04/14		
				ANGULAR ±1/2°			MATERIAL NUMBER SEE CHART		DOCUMENT NO. SD-45911-001	SHEET NO. 2 OF 4
	REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		



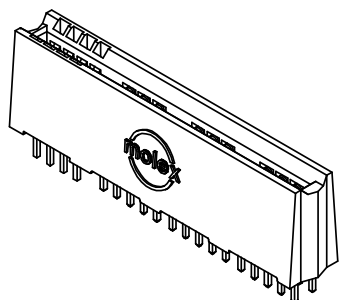
SEGMENT 1
CIRCUIT 1

SEE CHART ON SHEET 4
FOR MATERIAL NUMBERS



DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE



EC NO: UCP2008-2498 DRWN: JSCHAFER CHKD: APPR: APATEL	2008/04/16 2008/04/22 2008/04/25	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					mm	INCH	DRAWN BY DATE	TITLE			
				4 PLACES	± ---	± ---	SAMIEC 2005/04/14	POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL			
				3 PLACES	± ---	± ---	CHECKED BY DATE				
				2 PLACES	± 0.25	± ---	SAMIEC 2005/04/14				
				1 PLACE	± 0.25	± ---	APPROVED BY DATE				
ANGULAR ±1/2°			MARGULIS 2005/04/14	 MOLEX INCORPORATED							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NUMBER		DOCUMENT NO.	SHEET NO.					
			SEE CHART ON SHEET 4		SD-45911-001	3					
			SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

		6				5				4				3				2				1			
D	MATERIAL NUMBER	SEGMENT 4	SEGMENT 3	SEGMENT 2	SEGMENT 1	DIM P DIM T	PCB THK							MATERIAL NUMBER	SEGMENT 4	SEGMENT 3	SEGMENT 2	SEGMENT 1	DIM P DIM T	PCB THK					
	45911-0025	SIGNAL	POWER	POWER	POWER	4.50 4.33	3.18 2.36							45911-0039	SIGNAL	POWER	POWER	POWER	3.19 3.19	1.57					
	45911-0026	POWER	SIGNAL	POWER	POWER							45911-0040	POWER	SIGNAL	POWER	POWER									
	45911-0027	SIGNAL	SIGNAL	POWER	POWER							45911-0041	SIGNAL	SIGNAL	POWER	POWER									
	45911-0028	SIGNAL	POWER	SIGNAL	POWER							45911-0042	SIGNAL	POWER	SIGNAL	POWER									
	45911-0029	POWER	SIGNAL	SIGNAL	POWER							45911-0043	POWER	SIGNAL	SIGNAL	POWER									
	45911-0030	POWER	POWER	SIGNAL	POWER							45911-0044	POWER	POWER	SIGNAL	POWER									
	45911-0031	SIGNAL	SIGNAL	SIGNAL	POWER							45911-0045	SIGNAL	SIGNAL	SIGNAL	POWER									
	45911-0032	SIGNAL	POWER	POWER	SIGNAL							45911-0046	SIGNAL	POWER	POWER	SIGNAL									
	45911-0033	POWER	SIGNAL	POWER	SIGNAL							45911-0047	POWER	SIGNAL	POWER	SIGNAL									
	45911-0034	SIGNAL	SIGNAL	POWER	SIGNAL							45911-0048	SIGNAL	SIGNAL	POWER	SIGNAL									
	45911-0035	SIGNAL	POWER	SIGNAL	SIGNAL							45911-0049	SIGNAL	POWER	SIGNAL	SIGNAL									
	45911-0036	POWER	SIGNAL	SIGNAL	SIGNAL							45911-0050	POWER	SIGNAL	SIGNAL	SIGNAL									
	45911-0037	POWER	POWER	SIGNAL	SIGNAL							45911-0051	POWER	POWER	SIGNAL	SIGNAL									
45911-0038	POWER	POWER	POWER	SIGNAL					45911-0052	POWER	POWER	POWER	SIGNAL												

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- 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.
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- Входной контроль качества.
- Наличие сертификата ISO.

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- 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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