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Part Number: [0459110037](#)
Status: **Active**
Description: 12.90mm (.508") Pitch EXTreme PowerEdge™, Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Signal, Signal, Power, Power Sequence), Through Hole Solder for 2.36mm (.093") or 3.18mm (.125") Thick PC Board

Documents:

[3D Model](#) [Product Specification PS-45719-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR 19980
TUV 30482572.001
UL E29179

General

Product Family Edge Card Connectors
Series [45911](#)
Component Type Edgecard to PCB
Product Name EXTreme PowerEdge™

Physical

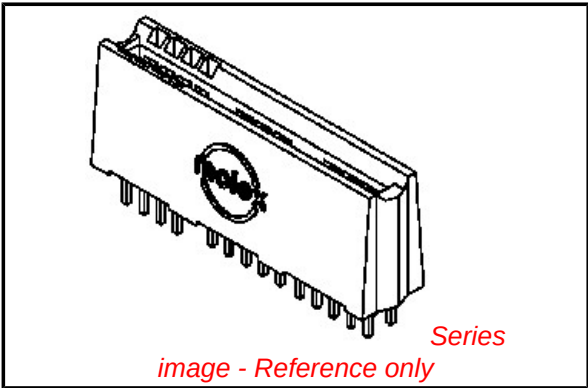
Circuits (Loaded) 20
Circuits (maximum) 20
Circuits Detail 8 Signal, 8 Signal, 2 Power, 2 Power
Color - Resin Black
Durability (mating cycles max) 250
Entry Angle Vertical (Top Entry)
Flammability 94V-0
Keying to Mating Part N/A
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
PC Tail Length (in) 0.182 In
PC Tail Length (mm) 4.63 mm
PCB Thickness Recommended (in) 0.093 In, 0.125 In
PCB Thickness Recommended (mm) 2.40 mm, 3.20 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



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

[45911Series](#)

Mates With

1.58mm (.062") double sided card edge

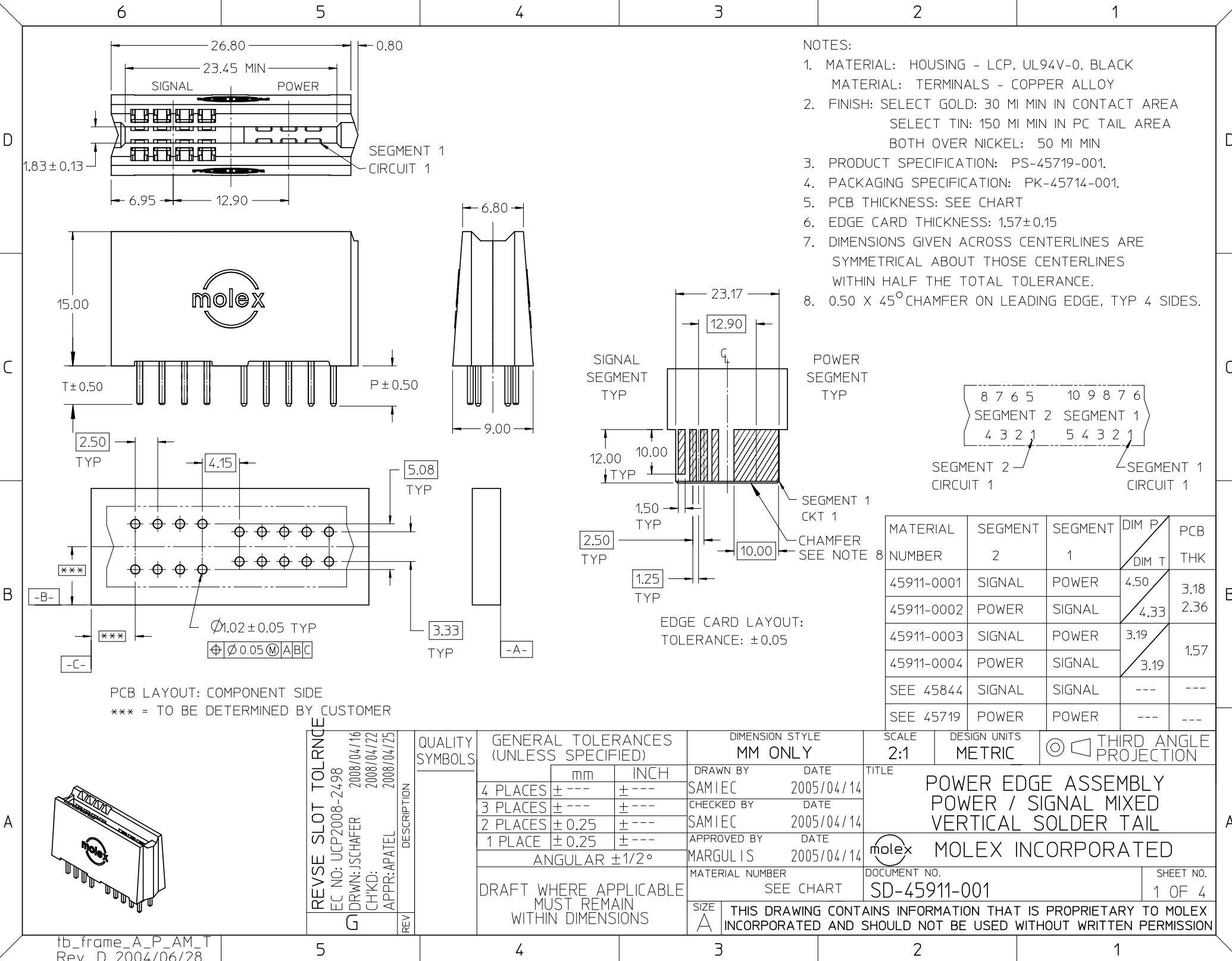
Material Info

Reference - Drawing Numbers

Product Specification	PS-45719-001
Sales Drawing	SD-45911-001

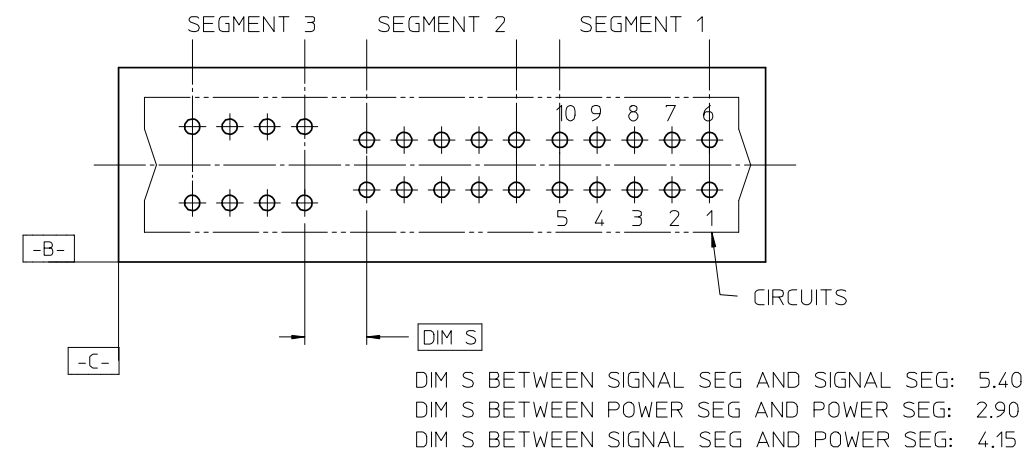
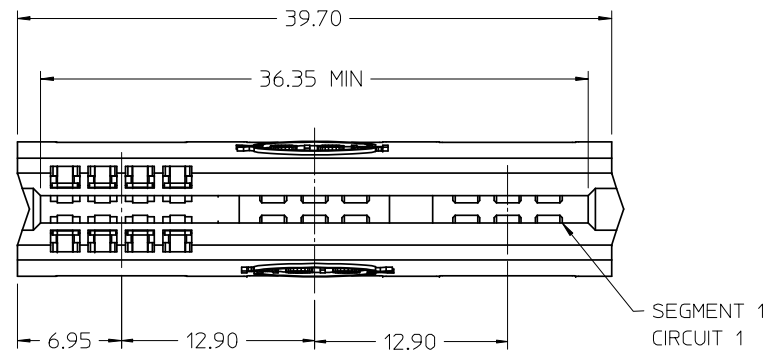
This document was generated on 04/09/2010

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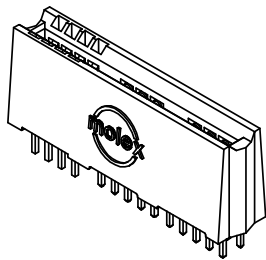


6 5 4 3 2 1

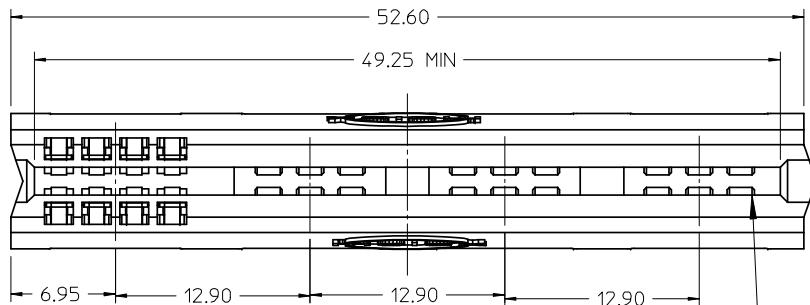
MATERIAL NUMBER: 45911-0007 SHOWN
SEE SHEET ONE FOR ALL OTHER NOTES AND DIMENSIONS



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		

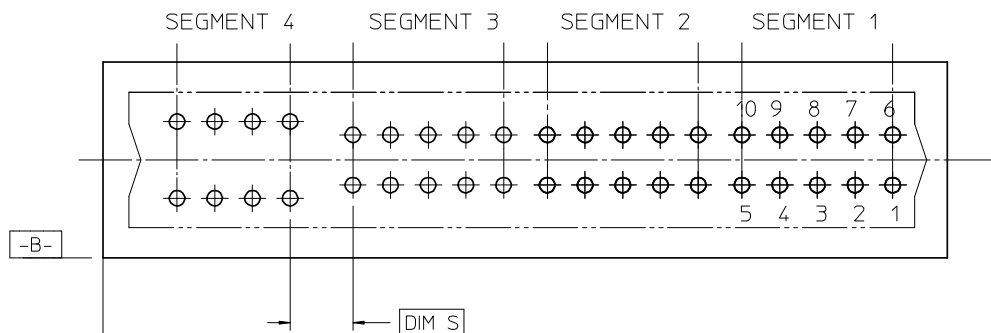


EC NO: UCP2008-2498		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
G	DRWN: JSCHAFFER 2008/04/16 CHKD: 2008/04/22 APPR: APATEL 2008/04/25				mm	INCH	DRAWN BY DATE		TITLE		POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL MOLEX INCORPORATED	
				4 PLACES	± ---	± ---	SAMIEC	2005/04/14				
				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	DOCUMENT NO. SD-45911-001		SHEET NO. 2 OF 4		
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						



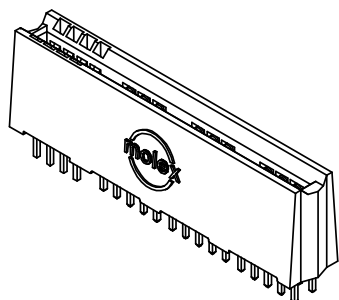
SEGMENT 1
CIRCUIT 1

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: 2008/04/16 2008/04/22 APPR: APATEL 2008/04/25	DESCRIPTION	QUALITY SYMBOLS	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	 MOLEX INCORPORATED		
ANGULAR ±1/2°			MARGULIS	2005/04/14						
	REV		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	$\frac{\text{DIM P}}{\text{DIM T}}$	PCB THK		MATERIAL NUMBER	SEGMENT 4	SEGMENT 3	SEGMENT 2	SEGMENT 1	$\frac{\text{DIM P}}{\text{DIM T}}$	PCB THK																																																																																																																																																																																																
	45911-0025	SIGNAL	POWER	POWER	POWER	$\frac{4.50}{4.33}$	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																																																																																																																																																																																																						



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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