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Part Number:

0459110043

Status:

Active

Overview:

Description:

12.90mm (.508") Pitch EXTreme PowerEdge™, Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Signal, Signal, Power 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)	20
Circuits (maximum)	20
Circuits Detail	2 Power, 8 Signal, 8 Signal, 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)	0.126 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

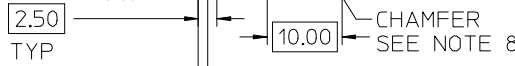
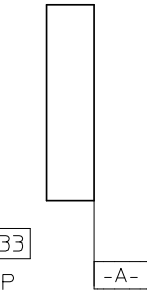
1.58mm (.062") double sided card edge

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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8	MATERIAL	SEGMENT	SEGMENT	DIM P	PCB
	NUMBER	2	1	DIM T	THK
	45911-0001	SIGNAL	POWER	4.50	3.18
	45911-0002	POWER	SIGNAL	4.33	2.36
	45911-0003	SIGNAL	POWER	3.19	1.57
	45911-0004	POWER	SIGNAL	3.19	
	SEE 45844	SIGNAL	SIGNAL	---	---
	SEE 45719	POWER	POWER	---	---

*** = TO BE DETERMINED BY CUSTOMER



REVSE SLOT TOLRNC										SEE 45719										POWER										POWER										---										---									
EC NO: UCP2008-2498										SCALE 2:1										DESIGN UNITS METRIC										 THIRD ANGLE PROJECTION																													
DRWN: JSCHAFER 2008/04/16										DRAWN BY DATE SAMIEC 2005/04/14										TITLE POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL																																							
CHKD: 2008/04/22																																																											
APPR: APATEL 2008/04/25										CHECKED BY DATE SAMIEC 2005/04/14										 MOLEX INCORPORATED																																							
QUALITY SYMBOLS										GENERAL TOLERANCES (UNLESS SPECIFIED)										DIMENSION STYLE MM ONLY										SCALE 2:1										DESIGN UNITS METRIC										 THIRD ANGLE PROJECTION									
										mm										INCH										DRAWN BY DATE										POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL																			
										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										 MOLEX INCORPORATED																													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										MATERIAL NUMBER										DOCUMENT NO.										SHEET NO.																													
										SEE CHART										SD-45911-001										1 OF 4																													
										SIZE A										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																							
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Rev. D 2004/06/28

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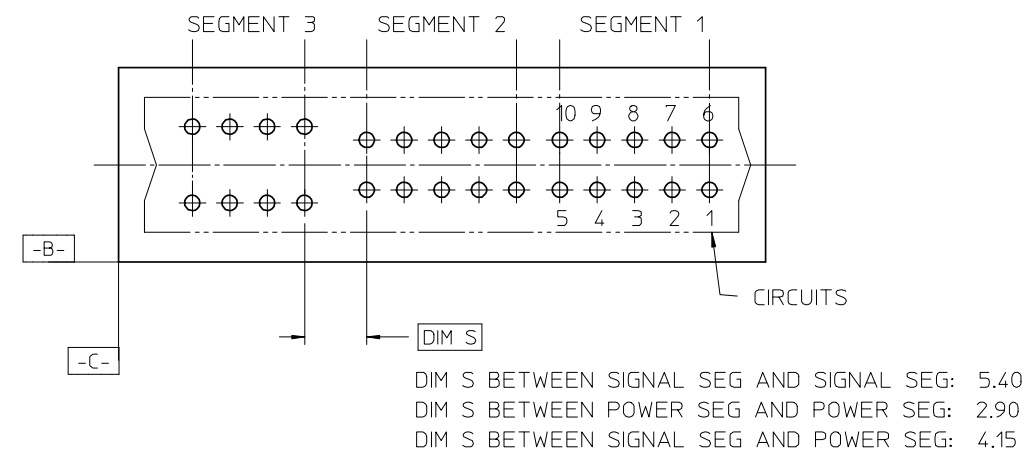
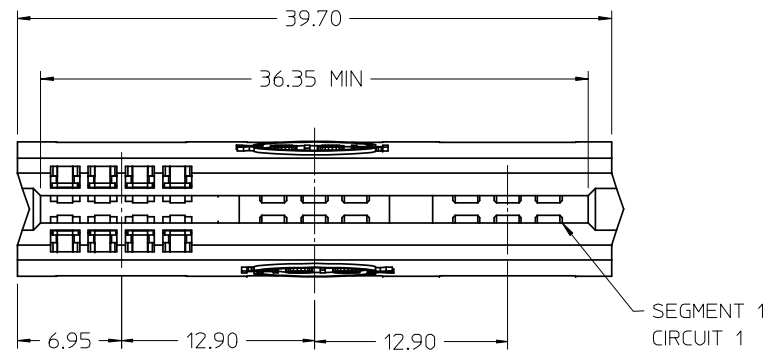
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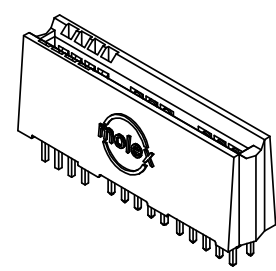
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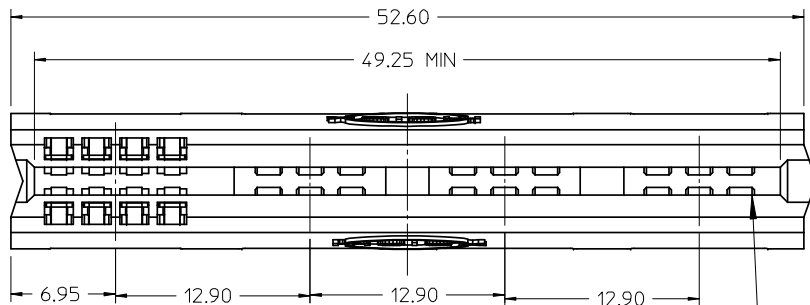
MATERIAL NUMBER: 45911-0007 SHOWN
SEE SHEET ONE FOR ALL OTHER NOTES AND DIMENSIONS



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		

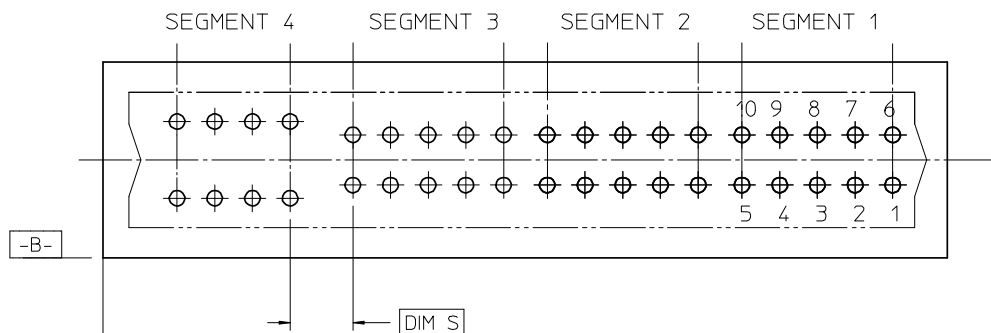


EC NO: UCP2008-2498 DRWN: JSCHAFER CHKD: 2008/04/22 APPR: APATEL 2008/04/25	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY SAMIEC		DATE 2005/04/14	TITLE POWER EDGE ASSEMBLY POWER / 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
			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				



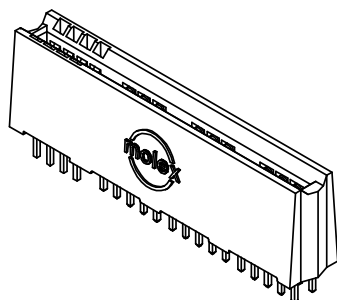
SEGMENT 1
CIRCUIT 1

SEE CHART ON SHEET 4
FOR MATERIAL NUMBERS

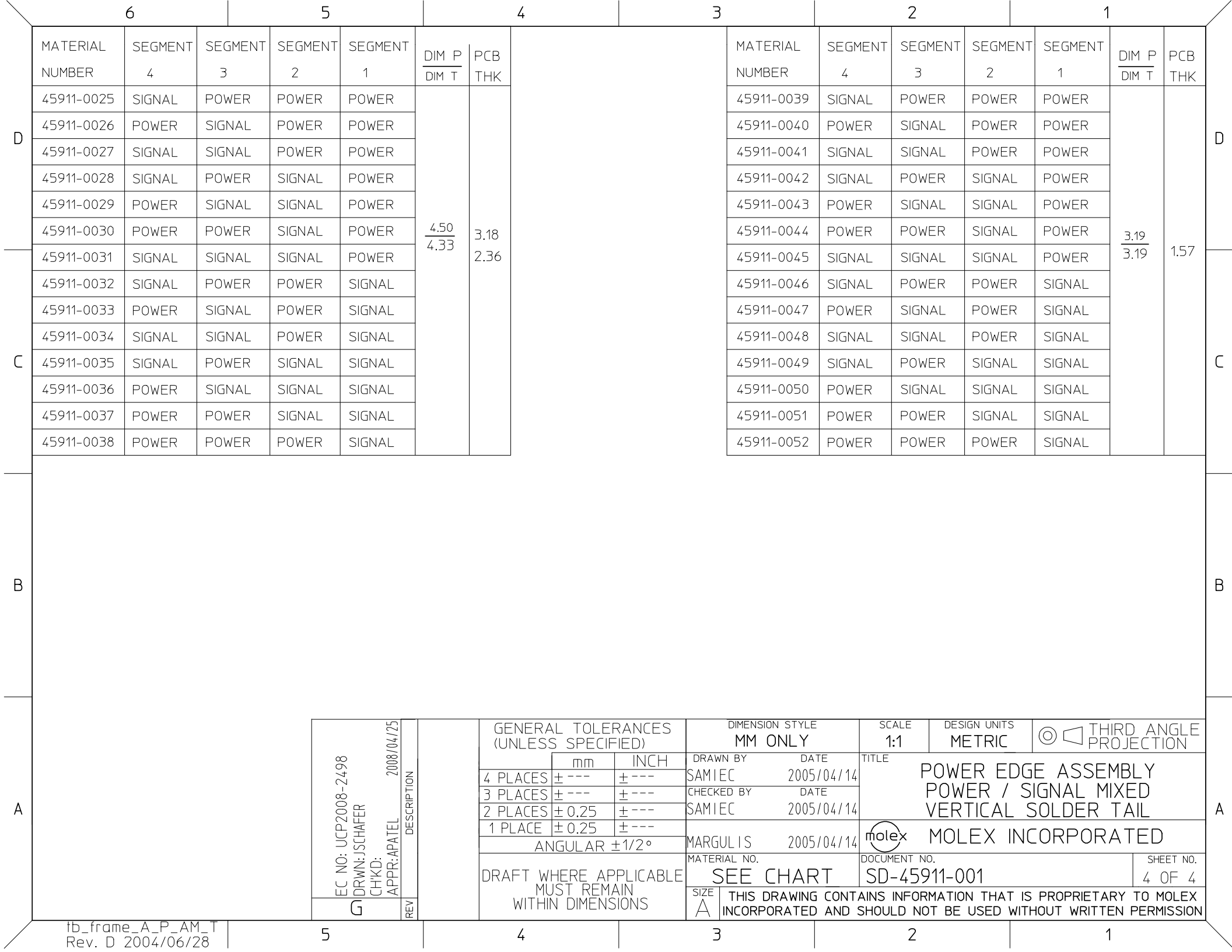


DIM S BETWEEN SIGNAL SEG AND SIGNAL SEG: 5.40
DIM S BETWEEN POWER SEG AND POWER SEG: 2.90
DIM S BETWEEN SIGNAL SEG AND POWER SEG: 4.15

PCB LAYOUT: COMPONENT SIDE



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





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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