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Part Number: [0459110041](#)
Status: **Active**
Description: 12.90mm (.508") Pitch EXTreme PowerEdge™, Mixed Power/Signal Card Edge Connector, Double Sided, 4 Segments (Power, Power, Signal, Signal Sequence), Through Hole Solder for 1.57mm (.062") 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

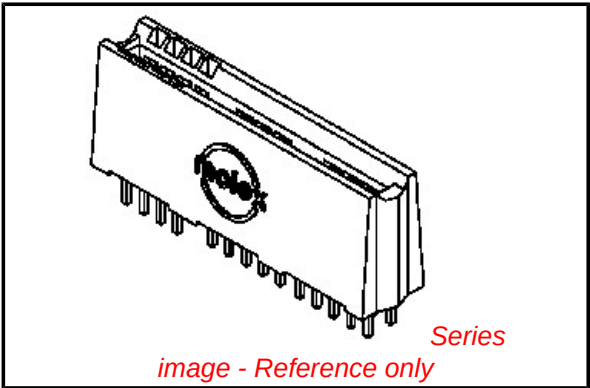
Circuits (Loaded) 20
Circuits (maximum) 20
Circuits Detail 2 Power, 2 Power, 8 Signal, 8 Signal
Color - Resin Black
Durability (mating cycles max) 250
Entry Angle Vertical (Top Entry)
Flammability 94V-0
Keying to Mating Part N/A
Material - Metal Phosphor Bronze
Material - Plating Mating Gold
Material - 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



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

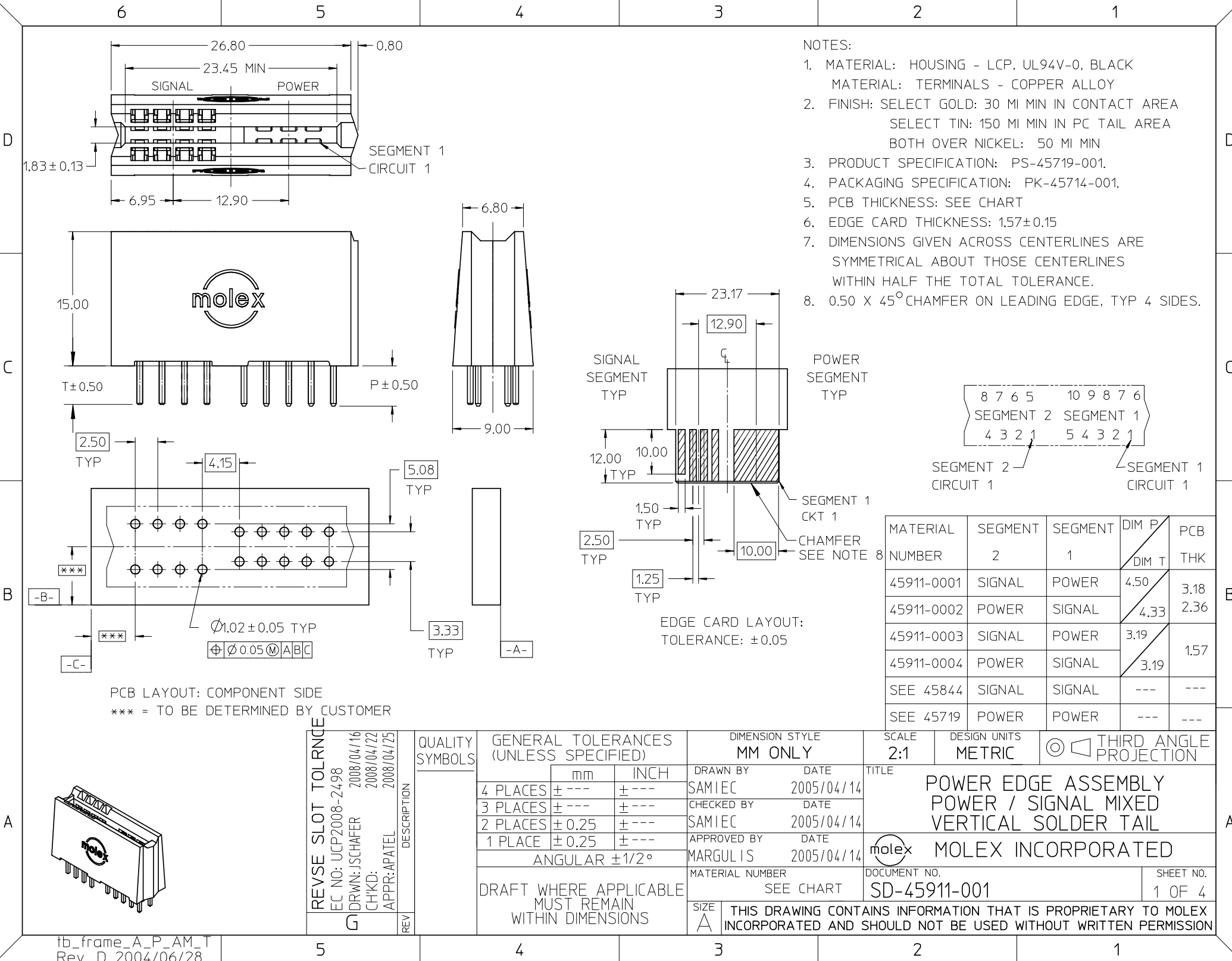
Material Info

Reference - Drawing Numbers

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

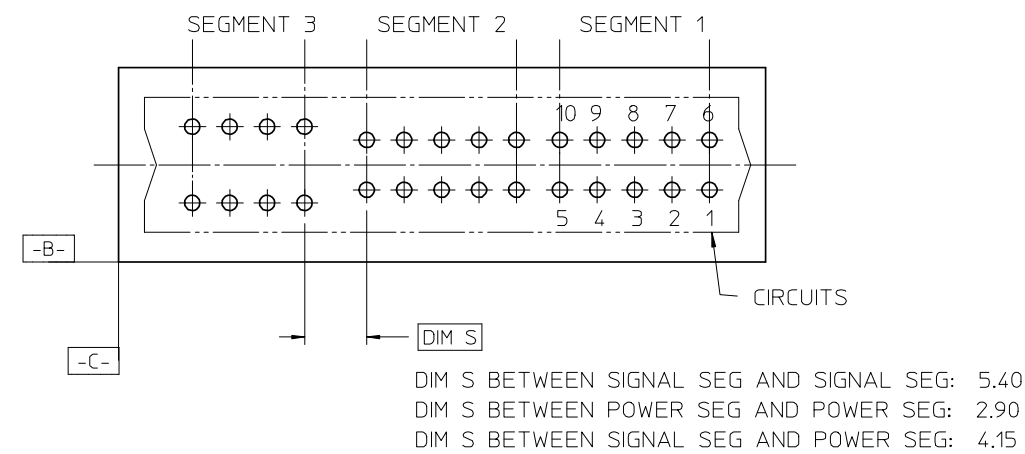
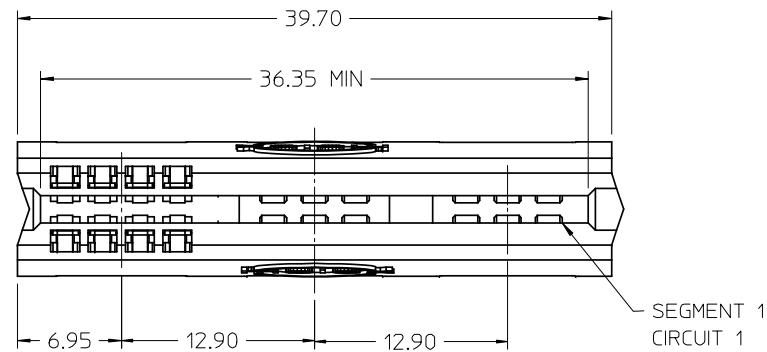
This document was generated on 04/09/2010

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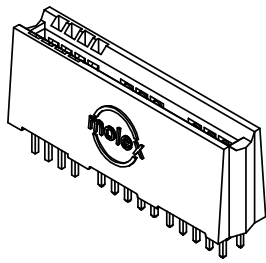
6 5 4 3 2 1

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

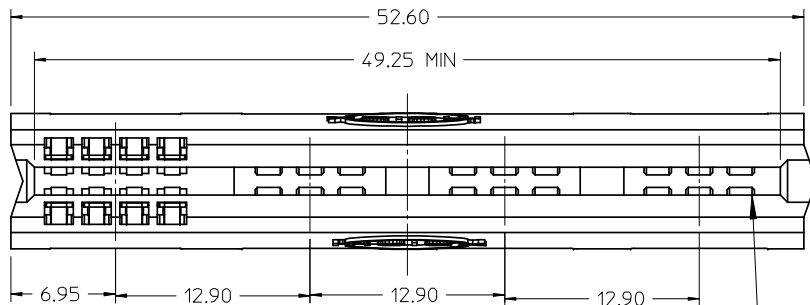


PCB LAYOUT: COMPONENT SIDE

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		

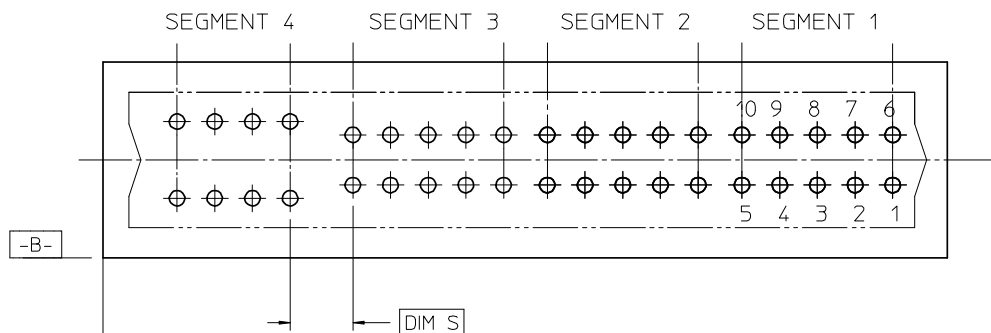


EC NO: UCP2008-2498		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
DRWN: JSCHAFFER 2008/04/16					mm	INCH	DRAWN BY DATE		TITLE		POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL		
CHKD: 2008/04/22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



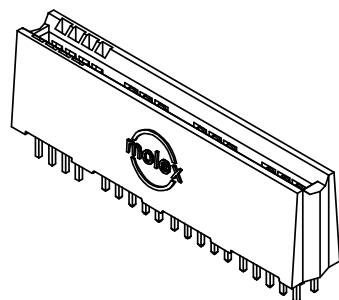
SEGMENT 1
CIRCUIT 1

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	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 POWER EDGE ASSEMBLY POWER / SIGNAL MIXED VERTICAL SOLDER TAIL				
			4 PLACES	± ---	± ---	SAMIEC	2005/04/14					
			3 PLACES	± ---	± ---	CHECKED BY	DATE	MOLEX MOLEX INCORPORATED				
			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				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NUMBER SEE CHART ON SHEET 4		SHEET NO. 3							
			SIZE A	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

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- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
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- Комплексную поставку.
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- Формирование склада под заказчика.
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- Тестирование поставляемой продукции.
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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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