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Part Number: [0458440005](#)
Status: **Active**
Overview: [edge_card_connectors](#)
Description: 2.50mm (.098") Pitch EXTreme PowerEdge™, Signal Connector, Double Sided, 3 Segments (8 Signal Contacts Per Segment), 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
UL	E29179

General

Product Family	Edge Card Connectors
Series	45844
Component Type	Edgecard to PCB
Overview	edge_card_connectors
Product Name	EXTreme PowerEdge™

Physical

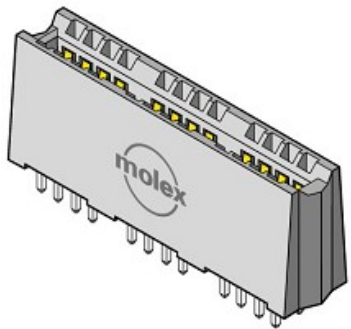
Circuits (Loaded)	24
Circuits (maximum)	24
Circuits Detail	All Signal
Color - Resin	Black
Durability (mating cycles max)	250
Entry Angle	Vertical (Top Entry)
Flammability	94V-0
Keying to Mating Part	N/A
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
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)	0.098 In
Pitch - Mating Interface (mm)	2.50 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
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



*Series
image - Reference only*

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

[45844Series](#)

Mates With

1.58mm (.062") double sided card edge

Process Temperature max. C250

Material Info

Reference - Drawing Numbers

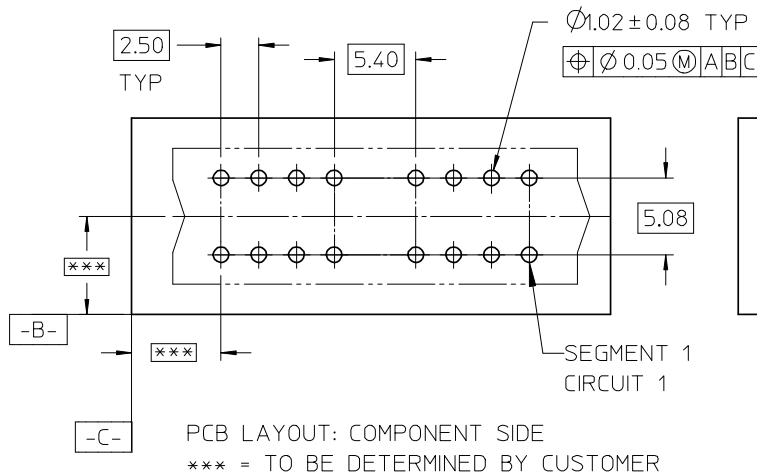
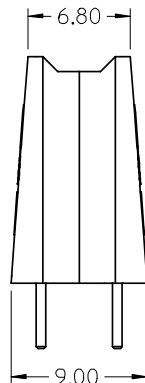
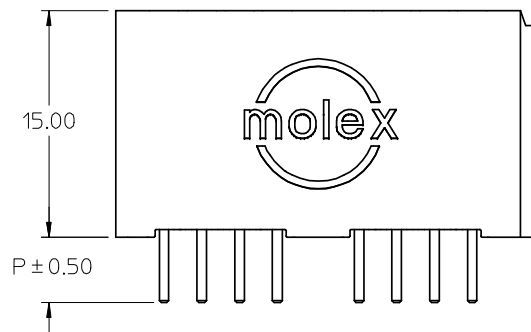
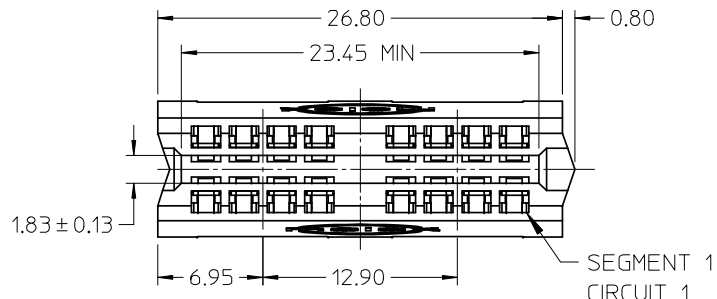
Packaging SpecificationPK-45714-001

Product SpecificationPS-45719-001

Sales DrawingSD-45844-001

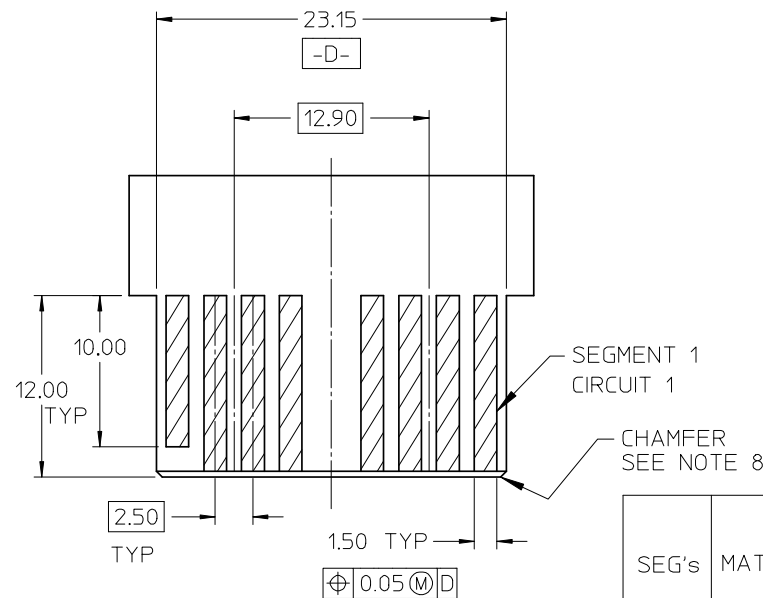
This document was generated on 06/04/2010

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NOTES:

- HOUSING MATL: LCP, UL94V-0, BLACK
TERMINAL MATL: COPPER ALLOY
- FINISH: SELECT GOLD: 30 M.I. MIN IN CONTACT AREA
SELECT TIN: 150 M.I. MIN IN SOLDER AREA
BOTH OVER NICKEL: 50 M.I. MIN
- PRODUCT SPECIFICATION: PS-45719-001.
- PACKAGING SPECIFICATION: PK-45714-001.
- PCB THICKNESS: SEE CHART
- EDGE CARD THICKNESS: 1.57 ± 0.15
- DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
- $0.50 \times 45^\circ$ CHAMFER ON LEADING EDGE, TYP 4 SIDES.



SEG's	MATERIAL NUMBER	DIM P	PCB THK
2	45844-0001	4.33	3.18/2.36
2	45844-0004	3.19	1.57

REVISE SLOT TOL. EC NO: UCP2008-2498 DRWN: JSCHAFER 2008/04/16 CHKD: 2008/04/22 APPR: APATEL 2008/04/25	DESCRIPTION	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 SIGNAL VERTICAL SOLDER TAIL					
		4 PLACES	± ---	± ---	MARGULIS	2004/07/29						
		3 PLACES	± ---	± ---	CHECKED BY	DATE						
		2 PLACES	± 0.25	± ---	MARGULIS	2004/07/29						
		1 PLACE	± ---	± ---	APPROVED BY	DATE						
		ANGULAR ±1/2°			MARGULIS	2004/07/29		MOLEX INCORPORATED				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE CHART		DOCUMENT NO. SD-45844-001			SHEET NO. 1 OF 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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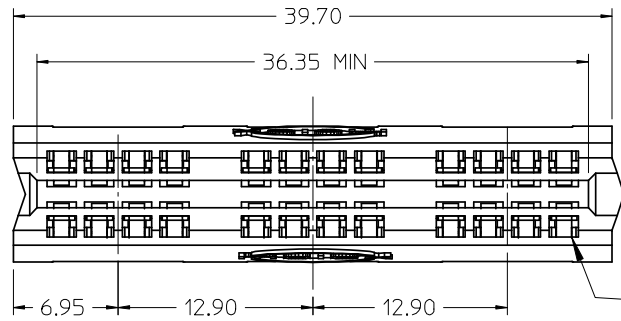
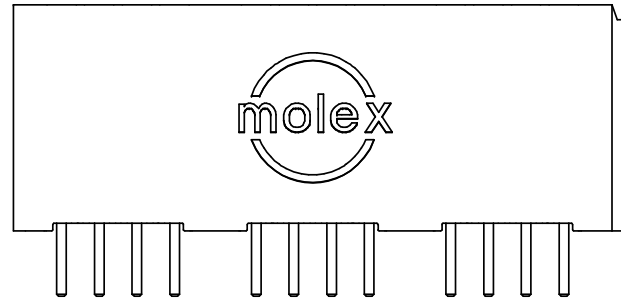
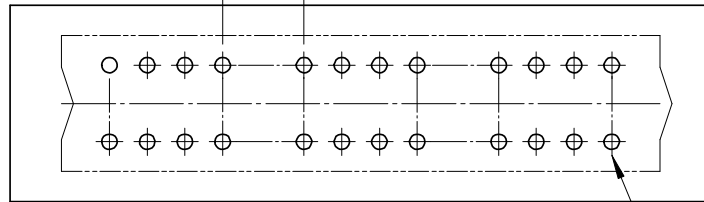
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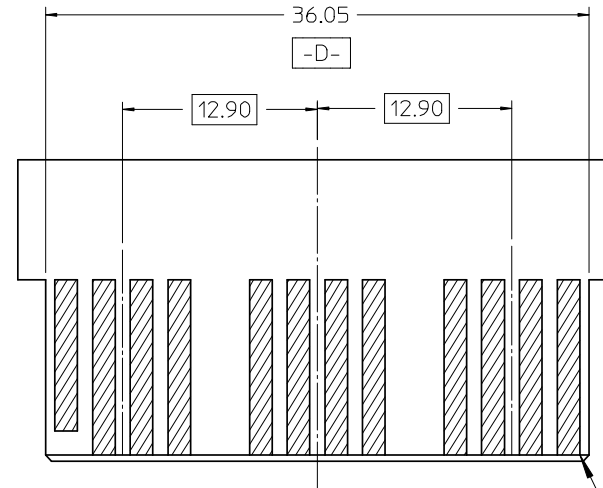
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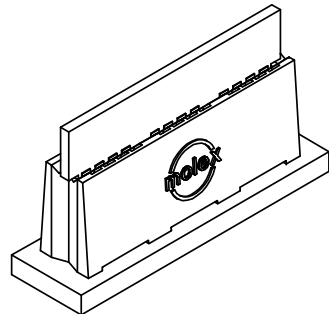
SEE SHEET ONE FOR NOTES AND DIMENSIONS NOT SHOWN

SEGMENT 1
CIRCUIT 15.40
TYP 2

PBC LAYOUT: COMPONENT SIDE

SEGMENT 1
CIRCUIT 1SEGMENT 1
CIRCUIT 1RECOMMENDED EDGE CARD LAYOUT:
TOLERANCE: ± 0.05

SEG's	MATERIAL NUMBER	DIM P	PCB THK
3	45844-0002	4.33	3.18/2.36
3	45844-0005	3.19	1.57



EC NO: UCP2008-2498 DRWN: JSCHAER 2008/04/16 CHK'D: 2008/04/22 APPR: APATEL 2008/04/25	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY MARGULIS		DATE 2004/07/29	TITLE POWER EDGE ASSEMBLY SIGNAL VERTICAL SOLDER TAIL			
		4 PLACES	± ---	± ---	CHECKED BY MARGULIS		DATE 2004/07/29				
		3 PLACES	± ---	± ---	APPROVED BY MARGULIS		DATE 2004/07/29				
		2 PLACES	± 0.25	± ---	MATERIAL NUMBER SEE CHART		DOCUMENT NO. SD-45844-001		SHEET NO. 2		
		1 PLACE	± ---	± ---							
		ANGULAR ±1/2°			MOLEX INCORPORATED						
		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				

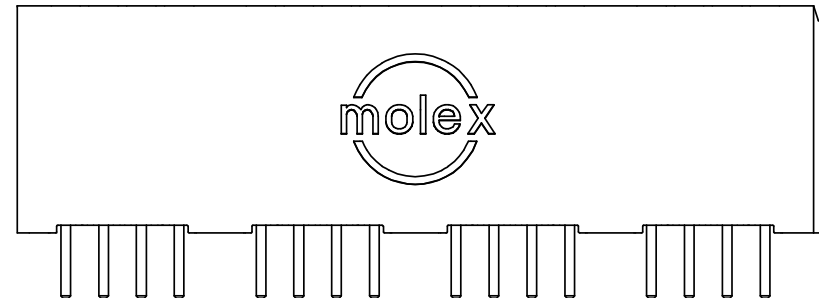
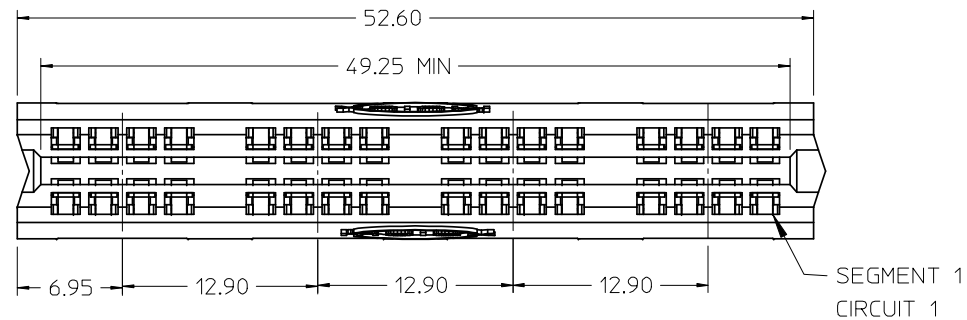
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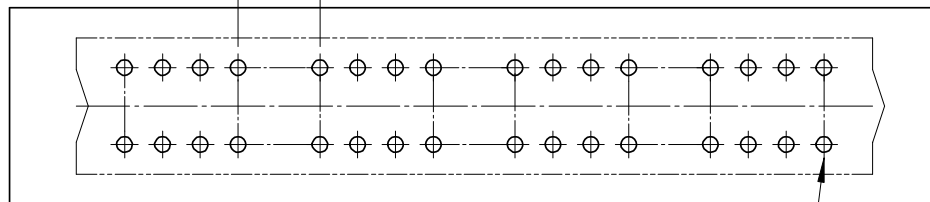
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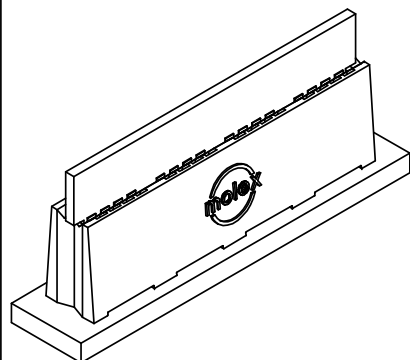


5.40
TYP 3



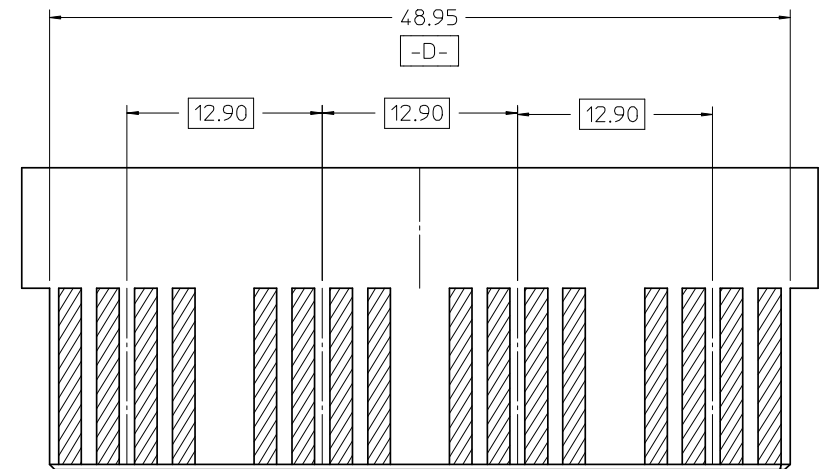
PCB LAYOUT: COMPONENT SIDE

SEGMENT 1
CIRCUIT 1



tb_frame_A_P_AM_T
Rev. D 2004/06/28

SEE SHEET ONE FOR NOTES AND DIMENSIONS NOT SHOWN



RECOMMENDED EDGE CARD LAYOUT
TOLERANCE:±0.05

SEG's	MATERIAL NUMBER	DIM P	PCB THK
4	45844-0003	4.33	3.18/2.36
4	45844-0006	3.19	1.57

EC NO: UCP2008-2498 DRWN: JSCHAFER 2008/04/16 CHKD: 2008/04/22 APPR: APATEL 2008/04/25	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			mm	INCH	DRAWN BY MARGULIS	DATE 2004/07/29	TITLE POWER EDGE ASSEMBLY SIGNAL VERTICAL SOLDER TAIL				
		4 PLACES	± ---	± ---	CHECKED BY MARGULIS	DATE 2004/07/29					
		3 PLACES	± ---	± ---	APPROVED BY MARGULIS	DATE 2004/07/29					
		2 PLACES	± 0.25	± ---	MATERIAL NUMBER SEE CHART		DOCUMENT NO. SD-45844-001		SHEET NO. 3		
		1 PLACE	± ---	± ---							
		ANGULAR ±1/2°			MOLEX INCORPORATED						
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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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