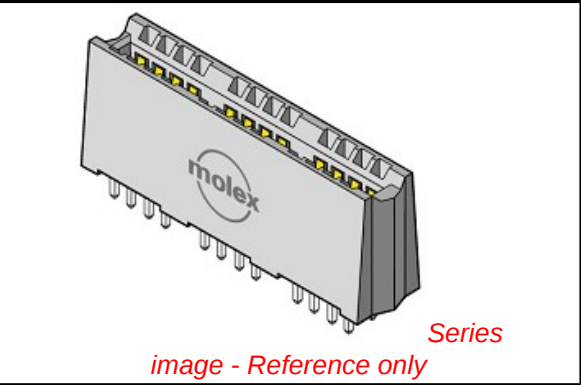


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0458440001](#)
Status: **Active**
Overview: [edge_card_connectors](#)
Description: 2.50mm (.098") Pitch EXTreme PowerEdge™, Signal Connector, Double Sided, 2 Segments (8 Signal Contacts Per Segment), Through Hole Solder for 3.18mm (.125") or 2.36mm (.093") 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)	16
Circuits (maximum)	16
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)	0.182 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)	0.098 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

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
[45844Series](#)

Mates With
1.58mm (.062") double sided card edge

Process Temperature max. C

250

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-45714-001

Product Specification

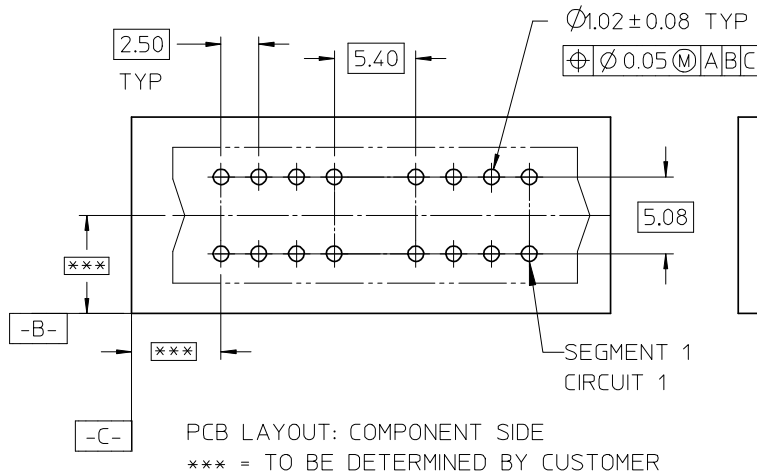
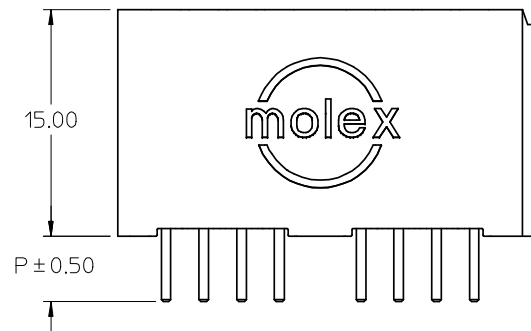
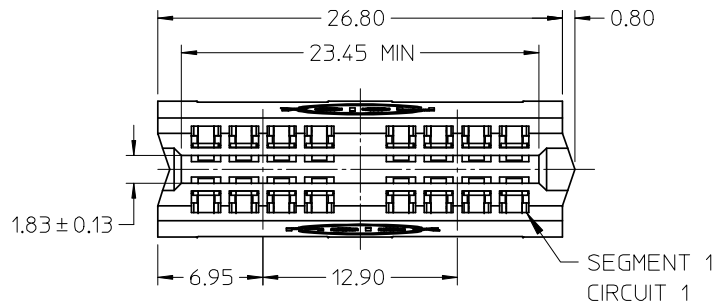
PS-45719-001

Sales Drawing

SD-45844-001

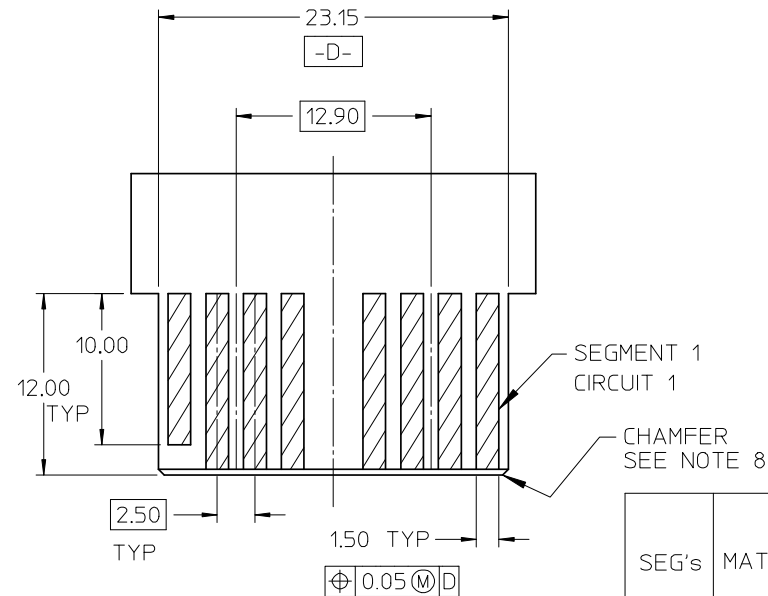
This document was generated on 06/04/2010

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NOTES:

1. HOUSING MATL: LCP, UL94V-0, BLACK
TERMINAL MATL: COPPER ALLOY
2. 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
3. PRODUCT SPECIFICATION: PS-45719-001.
4. PACKAGING SPECIFICATION: PK-45714-001.
5. PCB THICKNESS: SEE CHART
6. EDGE CARD THICKNESS: 1.57 ± 0.15
7. DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL ABOUT THOSE CENTERLINES WITHIN HALF THE TOTAL TOLERANCE.
8. 0.50 X 45° CHAMFER ON LEADING EDGE, TYP 4 SIDES.



RECOMMENDED EDGE CARD LAYOUT
TOLERANCE: ± 0.05

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 D	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  MOLEX INCORPORATED				
		4 PLACES	± ---	± ---	CHECKED BY	DATE					
		3 PLACES	± ---	± ---	MARGULIS	2004/07/29					
		2 PLACES	± 0.25	± ---	APPROVED BY	DATE					
		1 PLACE	± ---	± ---	MARGULIS	2004/07/29	DOCUMENT NO. SD-45844-001				
		ANGULAR ±1/2°			SEE CHART		SHEET NO. 1 OF 3				
		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				

6

5

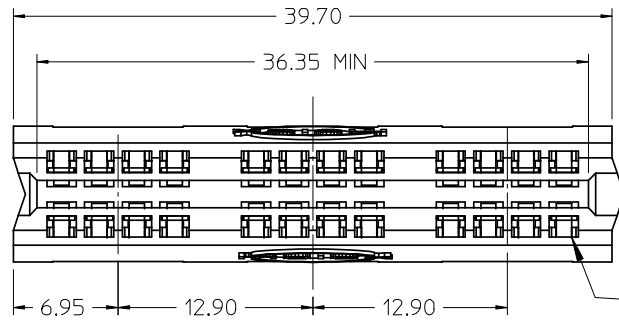
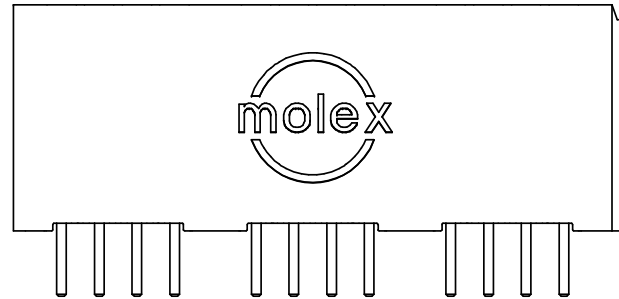
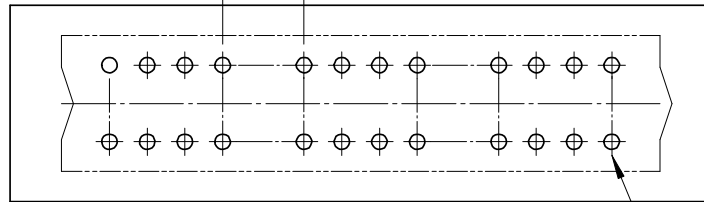
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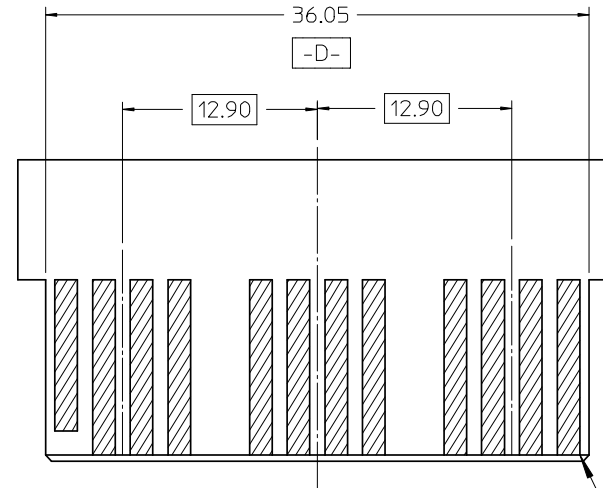
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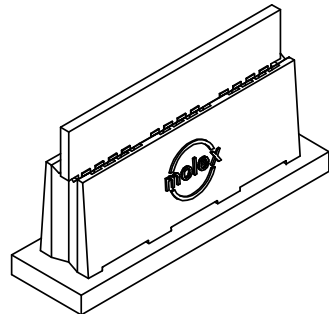
SEE SHEET ONE FOR NOTES AND DIMENSIONS NOT SHOWN

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	2008/04/16	DESCRIPTION
DRWN: JSCHAER	2008/04/22	
CHKD:	2008/04/25	
APPR: APATEL		
D	REV	

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---
ANGULAR $\pm 1/2^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
MARGULIS	2004/07/29
CHECKED BY	DATE
MARGULIS	2004/07/29
APPROVED BY	DATE
MARGULIS	2004/07/29
MATERIAL NUMBER	SEE CHART
SIZE	A

SCALE 2:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION
TITLE POWER EDGE ASSEMBLY SIGNAL VERTICAL SOLDER TAIL			
 MOLEX INCORPORATED			
DOCUMENT NO. SD-45844-001			SHEET NO. 2
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

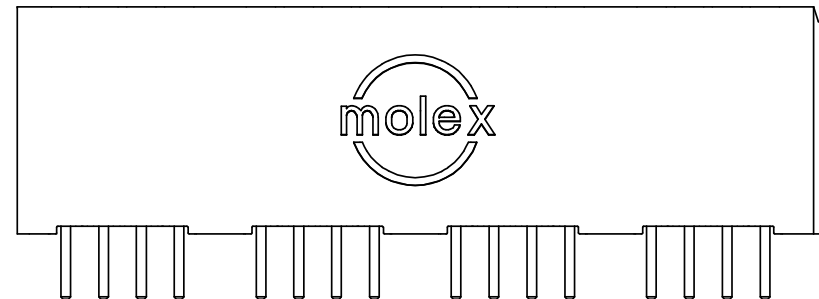
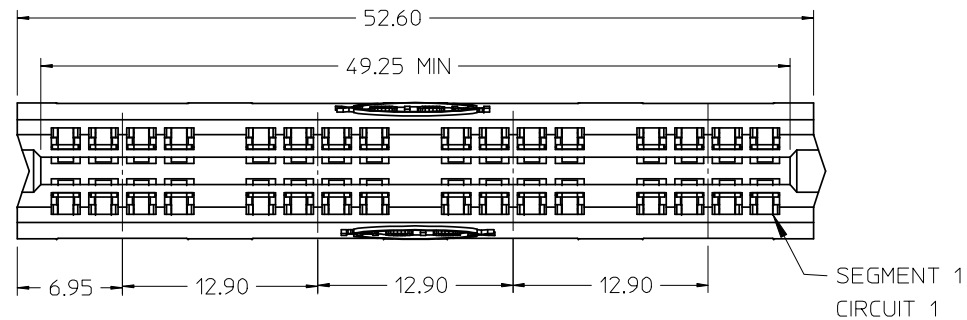
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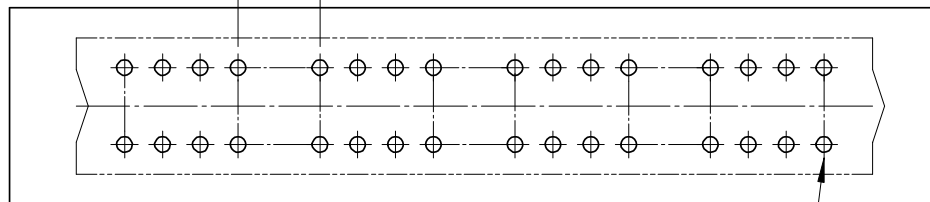
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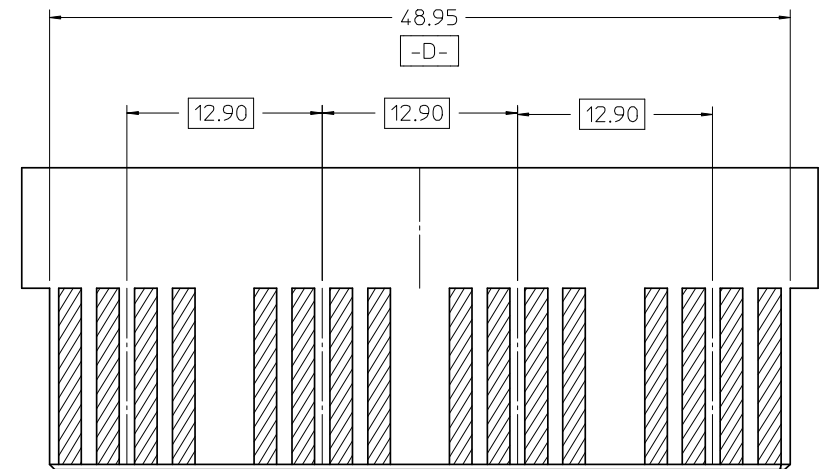


5.40
TYP 3



PCB LAYOUT: COMPONENT SIDE

SEE SHEET ONE FOR NOTES AND DIMENSIONS NOT SHOWN



RECOMMENDED EDGE CARD LAYOUT
TOLERANCE:±0.05

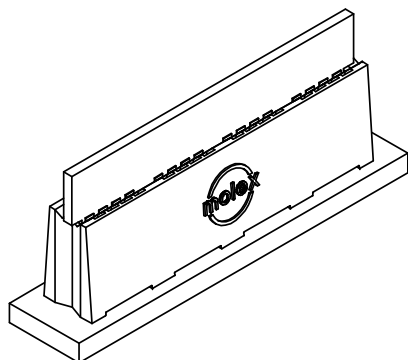
SEG's	MATERIAL NUMBER	DIM P	PCB THK
4	45844-0003	4.33	3.18/2.36
4	45844-0006	3.19	1.57

EC NO: UCP2008-2498	DRWN:JSCHAFER	2008/04/16	DESCRIPTION
CH'KD:	2008/04/22		
APPR:APATEL	2008/04/25		
REV			

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---
ANGULAR ±1/2°		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
MARGUL IS	2004/07/29
CHECKED BY	DATE
MARGUL IS	2004/07/29
APPROVED BY	DATE
MARGUL IS	2004/07/29
MATERIAL NUMBER	
SEE CHART	
SIZE	
A	

SCALE 2:1		DESIGN UNITS METRIC		 THIRD ANGLE PROJECTION	
TITLE POWER EDGE ASSEMBLY SIGNAL VERTICAL SOLDER TAIL					
MOLEX INCORPORATED					
DOCUMENT NO. SD-45844-001					SHEET NO. 3
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С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- 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.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

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Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- 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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