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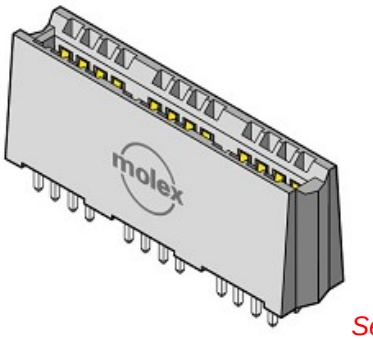
Part Number: 0458440003
Status: Active
Overview: edge_card_connectors
Description: 2.50mm (.098") Pitch EXTreme PowerEdge™, Signal Connector, Double Sided, 4 Segments (8 Signal Contacts Per Segment), Through Hole Solder for 3.18mm (.125") or 2.36mm (.093") Thick PC Board



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-45719-001 (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)	32
Circuits (maximum)	32
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

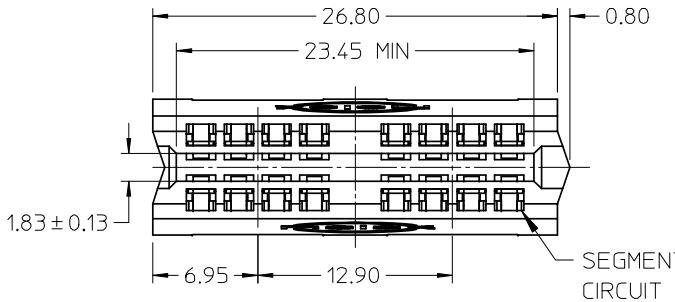
Mates With
1.58mm (.062") double sided card edge

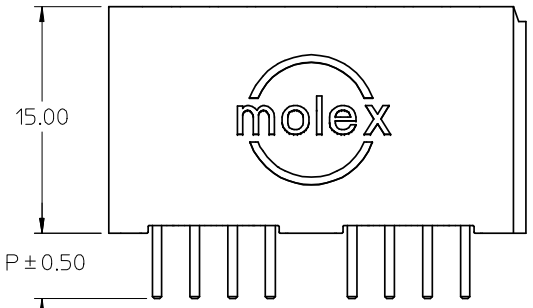
Process Temperature max. C	250

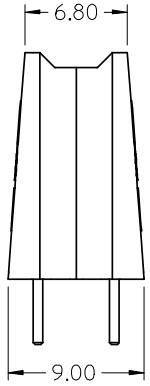
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-45714-001
Product Specification	PS-45719-001
Sales Drawing	SD-45844-001

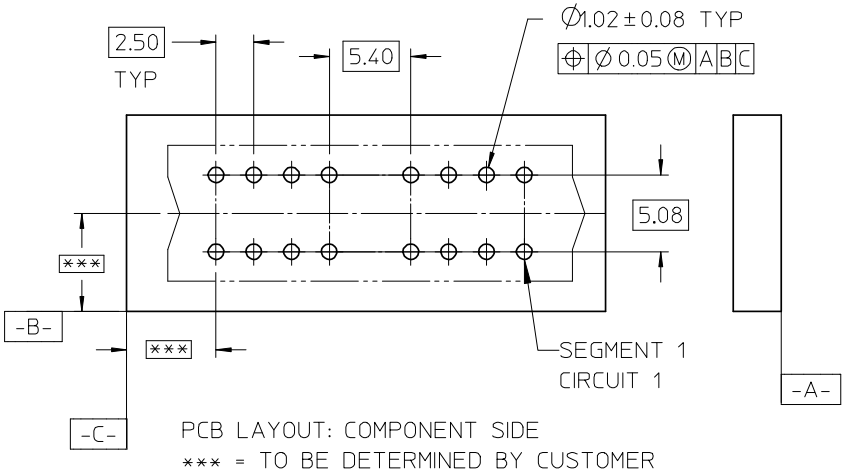




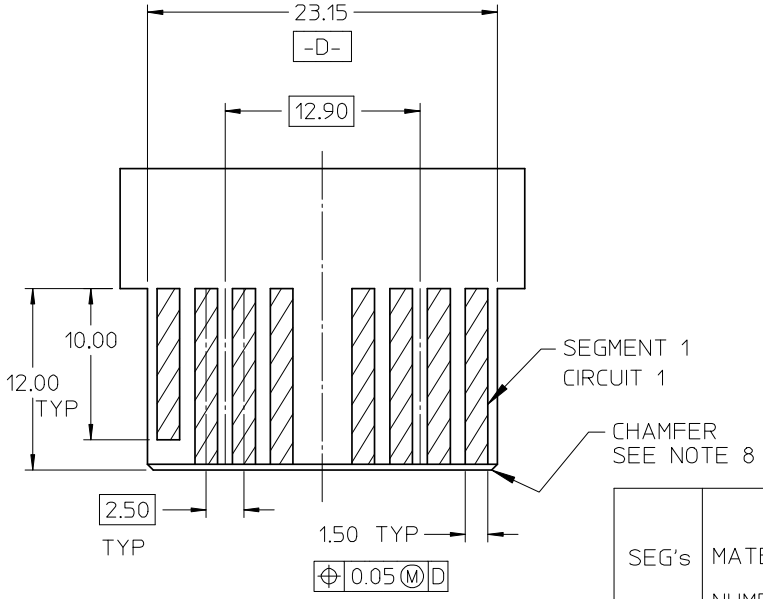


NOTES:

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 SPECFICIATION: 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.



PCB LAYOUT: COMPONENT SIDE
*** = TO BE DETERMINED BY CUSTOMER



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.	2008/04/16
EC NO: UCP2008-2498	2008/04/22
DRWN: JSCHAFER	2008/04/25
CH'KD:	
APPR: APATEL	
DESCRIPTION	
D	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	SCALE	DESIGN UNITS	
MM ONLY	2:1	METRIC	THIRD ANGLE PROJECTION

DRAWN BY	DATE
MARGULIS	2004/07/29
CHECKED BY	DATE
MARGULIS	2004/07/29
APPROVED BY	DATE
MARGULIS	2004/07/29

TITLE: POWER EDGE ASSEMBLY SIGNAL VERTICAL SOLDER TAIL

MOLEX INCORPORATED

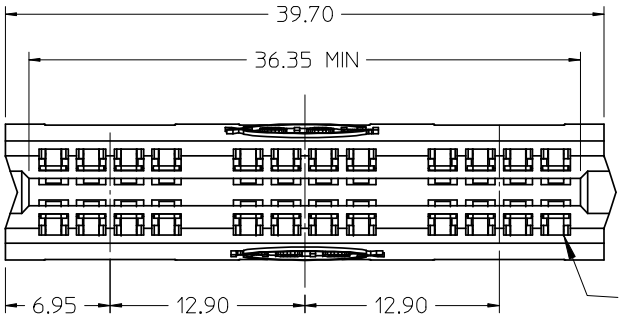
SEE CHART

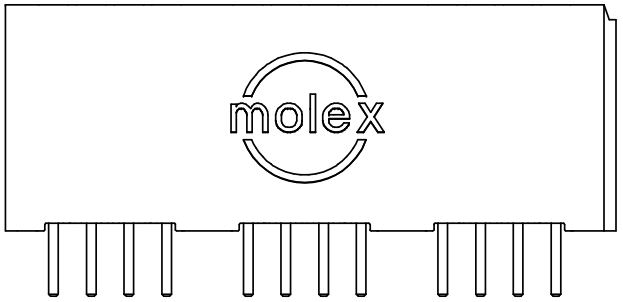
DOCUMENT NO. SD-45844-001

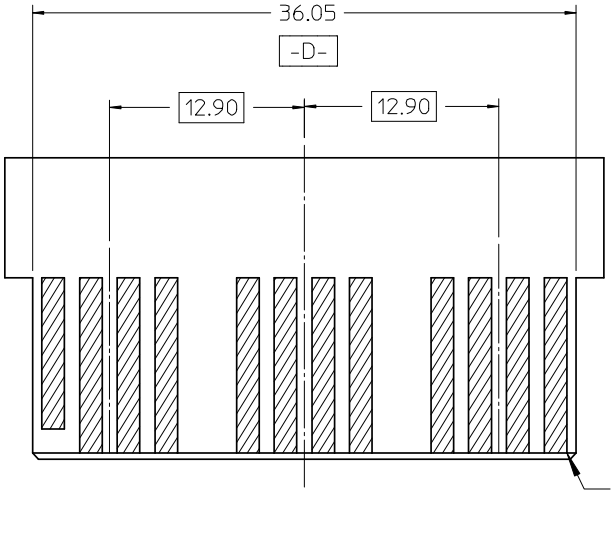
SHEET NO. 1 OF 3

SIZE A

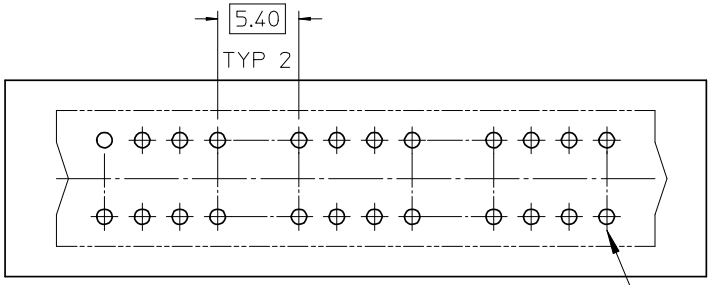
SEE SHEET ONE FOR NOTES AND DIMENSIONS NOT SHOWN





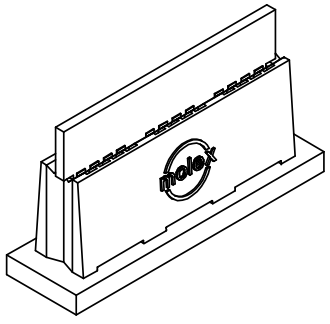


RECOMMENDED EDGE CARD LAYOUT:
TOLERANCE: ±0.05



PBC LAYOUT: COMPONENT SIDE

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
DRWN:JSCHAFER 2008/04/22
CH'KD: 2008/04/25
APPR:APATEL
DESCRIPTION
D
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
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: MARGULIS DATE: 2004/07/29
CHECKED BY: MARGULIS DATE: 2004/07/29
APPROVED BY: MARGULIS DATE: 2004/07/29

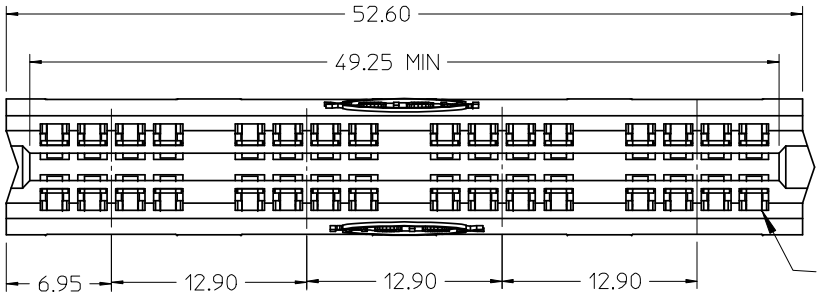
TITLE: POWER EDGE ASSEMBLY SIGNAL VERTICAL SOLDER TAIL

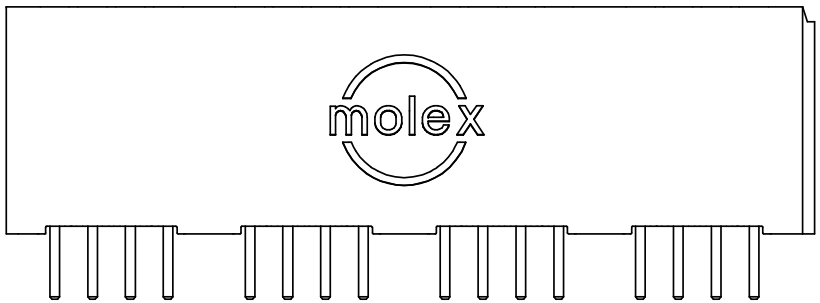
MOLEX INCORPORATED

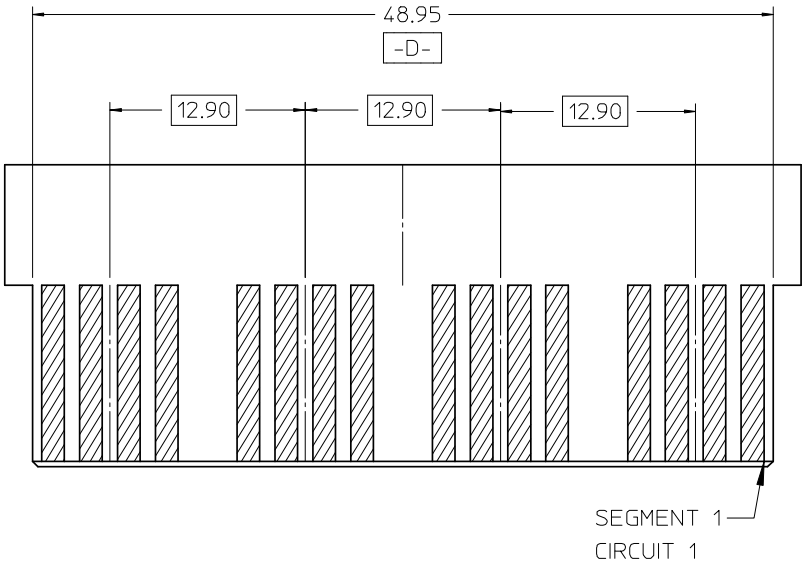
MATERIAL NUMBER: SEE CHART
DOCUMENT NO.: SD-45844-001
SHEET NO.: 2

SIZE A

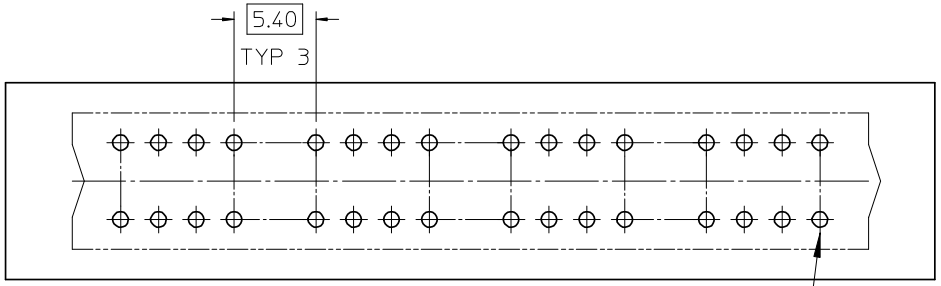
SEE SHEET ONE FOR NOTES AND DIMENSIONS NOT SHOWN





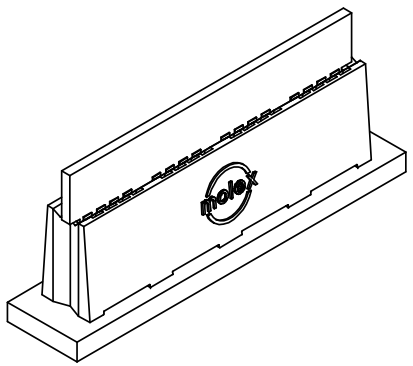


RECOMMENDED EDGE CARD LAYOUT
TOLERANCE:± 0.05



PCB LAYOUT: COMPONENT SIDE

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 2008/04/16
DRWN:JSCHAFER 2008/04/22
CH'KD: 2008/04/25
APPR:APATEL
DESCRIPTION
D
REV

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
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ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: MARGULIS DATE: 2004/07/29
CHECKED BY: MARGULIS DATE: 2004/07/29
APPROVED BY: MARGULIS DATE: 2004/07/29

TITLE
POWER EDGE ASSEMBLY SIGNAL VERTICAL SOLDER TAIL

MOLEX INCORPORATED

MATERIAL NUMBER: SEE CHART
DOCUMENT NO.: SD-45844-001
SHEET NO.: 3

SIZE A

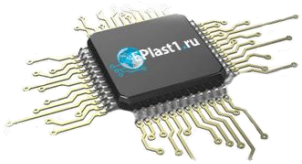
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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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