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Part Number: [0457190003](#)
Status: **Active**
Overview: [edge_card_connectors](#)
Description: 12.90mm (.508") Pitch EXTreme PowerEdge™, Through Hole Solder for 3.18mm (.125") Thick PC Board, Mates to a 1.57mm (.062") Thick Card Edge or Bus Bar Tab

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-45719-001 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
TUV R72090228

General

Product Family Edge Card Connectors
Series [45719](#)
Component Type Edgecard to PCB
Overview [edge_card_connectors](#)
Product Name Bus Bar Socket, EXTreme PowerEdge™

Physical

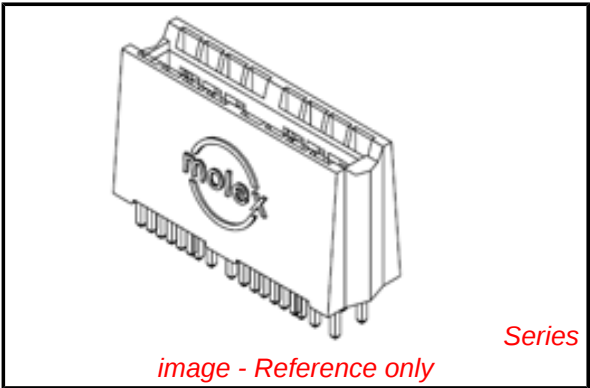
Circuits (Loaded) 8
Circuits (maximum) 8
Circuits Detail All Power
Color - Resin Black
Durability (mating cycles max) 200
Entry Angle Vertical (Top Entry)
Flammability 94V-0
Keying to Mating Part N/A
Material - Metal High Performance Alloy (HPA)
Material - Plating Mating Gold
Material - Plating Termination Tin
Material - Resin High Temperature Thermoplastic
PC Tail Length (in) 0.177 In
PC Tail Length (mm) 4.50 mm
PCB Thickness Recommended (in) 0.125 In
PCB Thickness Recommended (mm) 3.20 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 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
Not Reviewed
Halogen-Free
Status
Not Reviewed

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
[45719Series](#)

Mates With
1.58mm (.062") double sided card edge or bus bar tab

Material Info

Reference - Drawing Numbers

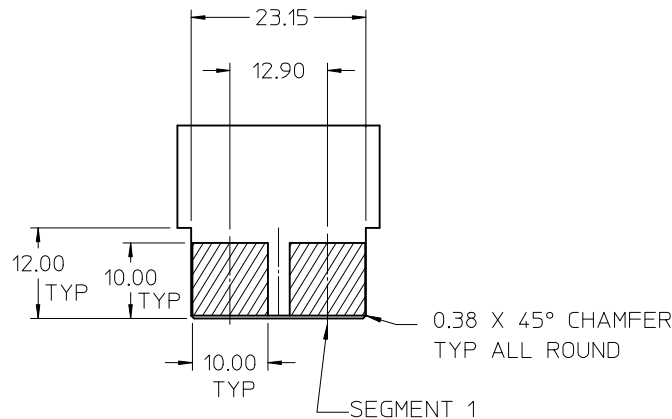
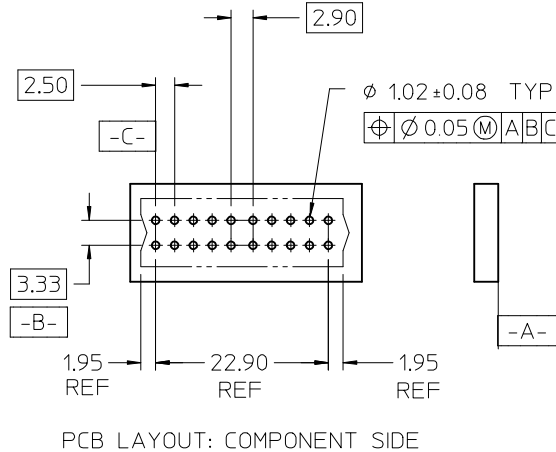
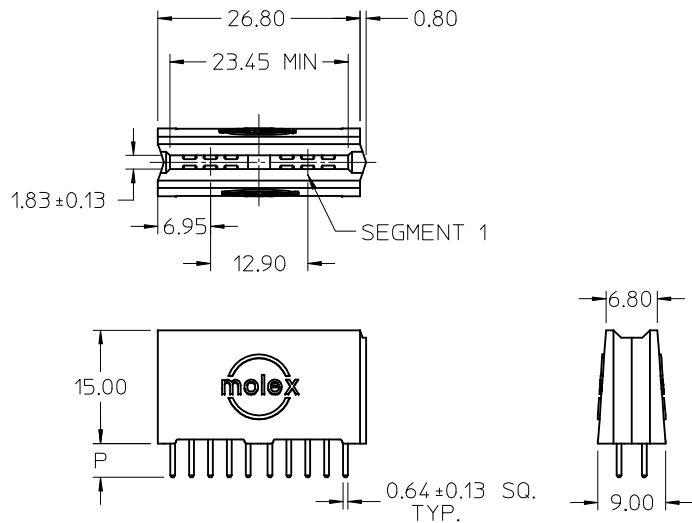
Packaging Specification	PK-45714-001
Product Specification	PS-45719-001
Sales Drawing	SD-45719-001

This document was generated on 06/04/2010

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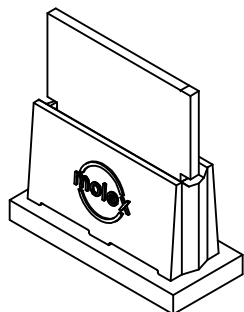
NOTES:

1. HOUSING MATL: LCP, UL94V-0, COLOR 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
OVERALL NICKEL UNDERPLATE.
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 TOTAL TOLERANCE.
8. VOIDED SEGMENTS DO NOT HAVE TERMINALS IN THE TOP OR BOTTOM ROW



RECOMMENDED EDGE CARD LAYOUT
TOLERANCE: ±0.05

MATERIAL NUMBER	VOIDED SEGMENT	P	PCB THK
45719-0001	NONE	4.50	3.18
45719-2001	1		
45719-2002	2	3.63	2.36
45719-0004	NONE		
45719-2003	1	2.92	1.57
45719-2004	2		
45719-0007	NONE	2.92	1.57
45719-2005	1		
45719-2006	2		



ADD PIN DIM & TOL	DESCRIPTION
EC NO: UCP2009-2476	2009/04/07
DRWN: JSCHAFER	2009/04/07
CHKD: APATEL	2009/04/20
APPR: APATEL	2009/04/20
E1	REV

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

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
MARGUL IS	2003/11/11
CHECKED BY	DATE
MARGUL IS	2003/11/11
APPROVED BY	DATE
MARGUL IS	2003/11/11
SIZE	A

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
1:1	METRIC	THIRD ANGLE PROJECTION
TITLE		
POWER EDGE ASSEMBLY POWER VERTICAL SOLDER TAIL		
MOLEX INCORPORATED		
DOCUMENT NO.		SHEET NO.
SD-45719-001		1 OF 3

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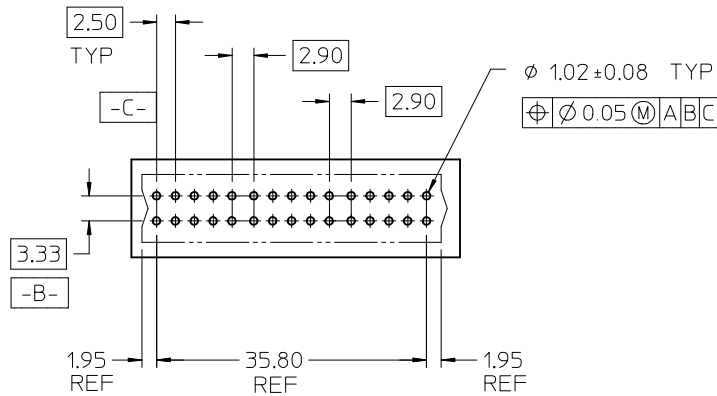
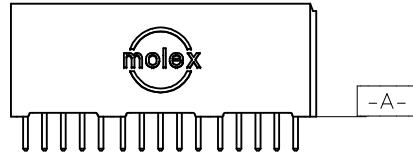
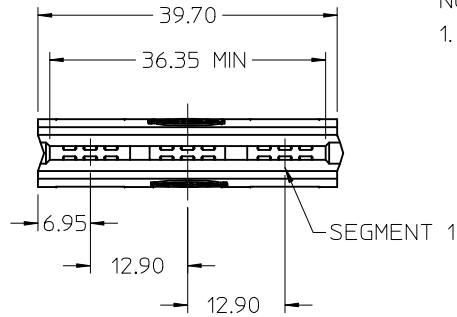
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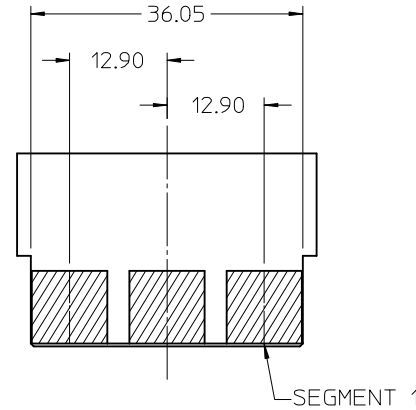
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NOTES:

1. FOR ALL OTHER DIMENSIONS AND NOTES SEE SHEET 1.



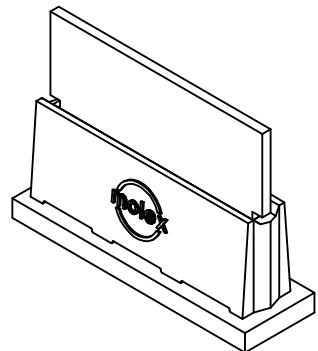
PCB LAYOUT: COMPONENT SIDE



RECOMMENDED EDGE CARD LAYOUT

EDGE CARD TOLERANCE: ±0.05

MATERIAL NUMBER	VOIDED SEGMENT	P	PCB THK
45719-0002	NONE	4.50	3.18
45719-3001	1		
45719-3002	2		
45719-3003	3		
45719-3004	1,2		
45719-3005	1,3		
45719-3006	2,3		
45719-0005	NONE	3.63	2.36
45719-3007	1		
45719-3008	2		
45719-3009	3		
45719-3010	1,2		
45719-3011	1,3		
45719-3012	2,3		
45719-0008	NONE	2.92	1.57
45719-3013	1		
45719-3014	2		
45719-3015	3		
45719-3016	1,2		
45719-3017	1,3		
45719-3018	2,3		



EC NO: UCP2009-2476	2009/04/07	DESCRIPTION
DRWN: JSCHAFER	2009/04/07	
CHKD:	2009/04/07	
APPR: APATEL	2009/04/20	
E1	REV	

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
MM ONLY

DRAWN BY	DATE
MARGULIS	2003/11/11
CHECKED BY	DATE
MARGULIS	2003/11/11
APPROVED BY	DATE
MARGULIS	2003/11/11

SCALE
1:1DESIGN UNITS
METRICTHIRD ANGLE
PROJECTIONPOWER EDGE ASSEMBLY
POWER VERTICAL
SOLDER TAIL

MOLEX INCORPORATED

DOCUMENT NO.
SD-45719-001SHEET NO.
2SIZE
ATHIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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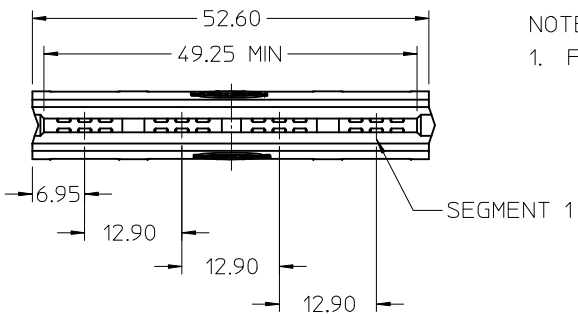
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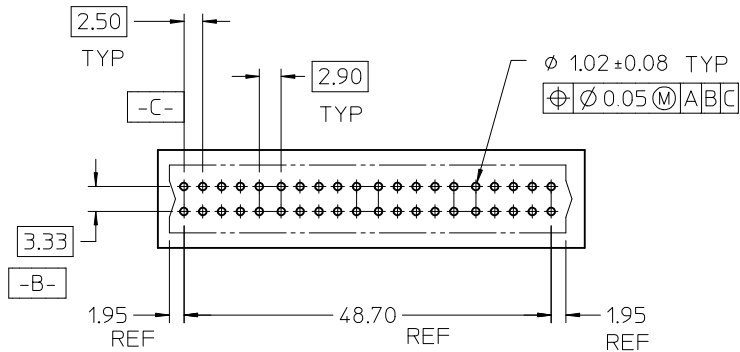
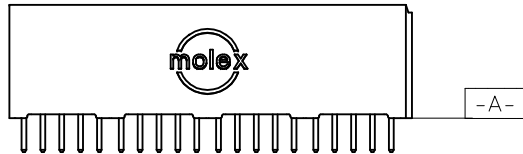
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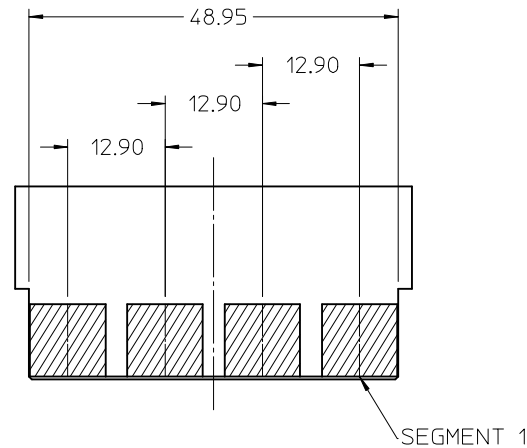


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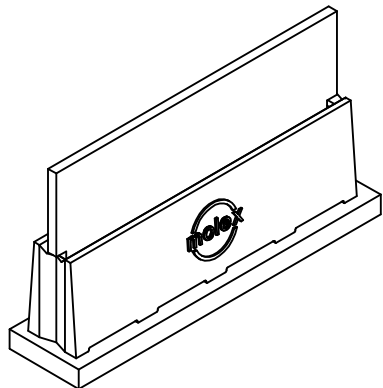
PCB LAYOUT: COMPONENT SIDE



RECOMMENDED EDGE CARD LAYOUT

EDGE CARD TOLERANCE: ± 0.05

MATERIAL NUMBER	VOIDED SEGMENT	P	PCB THK
45719-0003	NONE	4.50	3.18
45719-4001	1		
45719-4002	2		
45719-4003	3		
45719-4004	4		
45719-4005	1,2		
45719-4006	1,3		
45719-4007	1,4		
45719-4008	2,3		
45719-4009	2,4		
45719-4010	3,4		
45719-0006	NONE	3.63	2.36
45719-4011	1		
45719-4012	2		
45719-4013	3		
45719-4014	4		
45719-4015	1,2		
45719-4016	1,3		
45719-4017	1,4		
45719-4018	2,3		
45719-4019	2,4		
45719-4020	3,4	2.92	1.57
45719-0009	NONE		
45719-4021	1		
45719-4022	2		
45719-4023	3		
45719-4024	4		
45719-4025	1,2		
45719-4026	1,3		
45719-4027	1,4		
45719-4028	2,3		
45719-4029	2,4		
45719-4030	3,4		



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CHKD: APATEL	2009/04/07	2009/04/20
APPR: APATEL	2009/04/07	2009/04/20
REV	DESCRIPTION	
E1		

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	± 0.25	$\pm$ ---

ANGULAR $\pm 1/2^\circ$ DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONSDIMENSION STYLE
MM ONLY

DRAWN BY	DATE
MARGULIS	2003/11/11
CHECKED BY	DATE
MARGULIS	2003/11/11
APPROVED BY	DATE
MARGULIS	2003/11/11

SCALE
1:1DESIGN UNITS
METRICPOWER EDGE ASSEMBLY
POWER VERTICAL
SOLDER TAIL

molex MOLEX INCORPORATED

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3SIZE
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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

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.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

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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