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Part Number:

0457140003

Status:

Active

Overview:

edge_card_connectors

Description:

12.90mm (.508") Pitch EXTreme PowerEdge™, Connector, 4 Segments (8 Total Contacts), Press-Fit, 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

45714

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)

0.093 In

PCB Thickness Recommended (mm)

2.40 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 - Compliant Pin

Electrical

Current - Maximum per Contact

40A

Voltage - Maximum

250V

Material Info

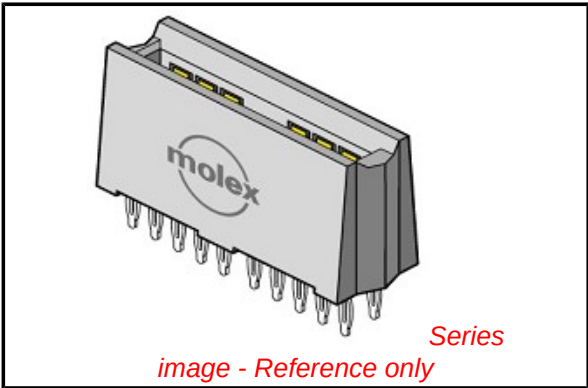
Reference - Drawing Numbers

Packaging Specification

PK-45714-001

Product Specification

PS-45719-001



EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

Not Reviewed

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.

China RoHS

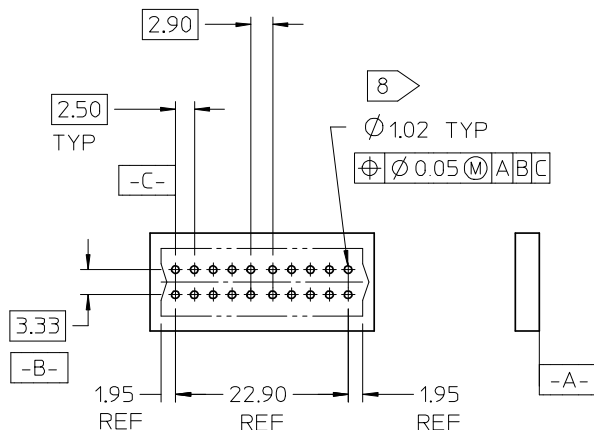
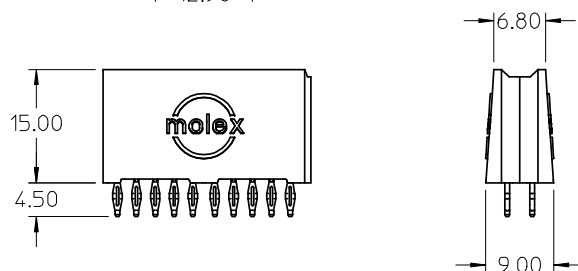
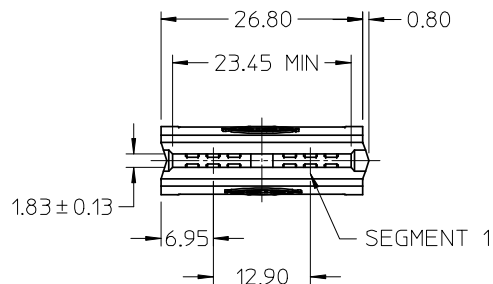


Search Parts in this Series
45714Series

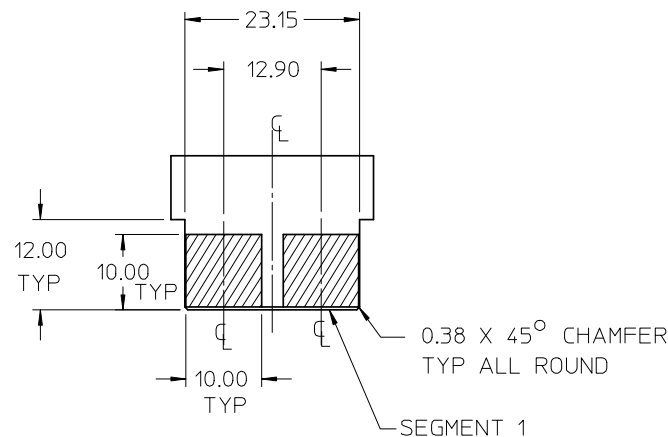
Mates With
1.58mm (.062") double sided card edge or
bus bar tab

This document was generated on 06/04/2010

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PCB LAYOUT: COMPONENT SIDE

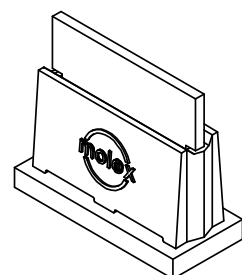


RECOMMENDED EDGE CARD LAYOUT
TOLERANCE: ± 0.05

NOTES:

- HOUSING MATL: LCP, UL94V-0, COLOR BLACK
TERMINAL MATL: COPPER ALLOY
- FINISH: SELECT GOLD: 30 M.I. MIN IN CONTACT AREA
SELECT TIN: 150 M.I. MIN IN SOLDER AREA
OVERALL NICKEL UNDERPLATE.
- PRODUCT SPECIFICATION: PS-45719-001.
- PACKAGING SPECIFICATION: PK-45714-001.
- PCB THICKNESS: 2.36 MIN
- EDGE CARD THICKNESS: 1.57 ± 0.15
- DIMENSIONS GIVEN ACROSS CENTERLINES ARE SYMMETRICAL
ABOUT THOSE CENTERLINES WITHIN HALF TOTAL TOLERANCE.
- PCB HOLE SPECIFICATION: SEE PS-45719-001
- VOIDED SEGMENTS DO NOT HAVE TERMINALS IN THE TOP OR BOTTOM ROW

MATERIAL NUMBER	VOIDED SEGMENT
45714-0001	NONE
45714-2001	1
45714-2002	2

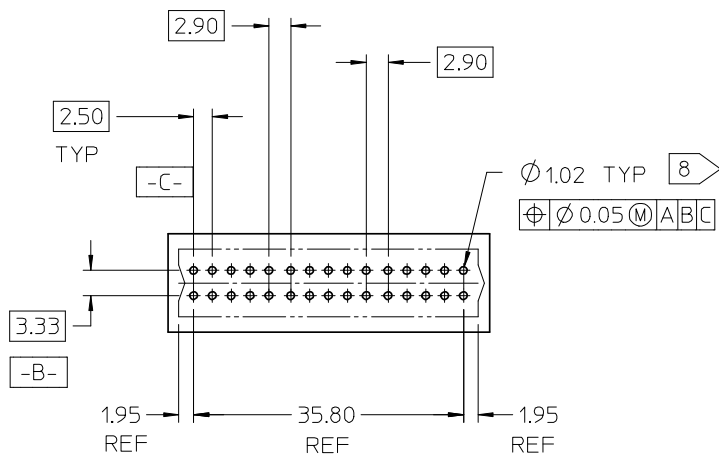
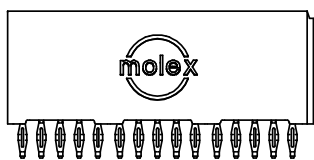
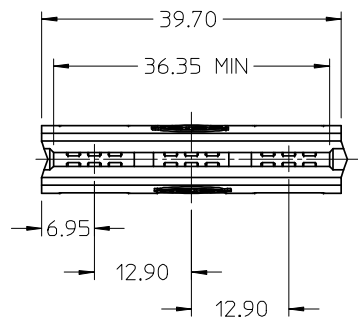


EC NO: UCP2008-2498	DRWN: JSCHAFER	2008/04/16
CHKD: APATEL	2008/04/22	
APPR: APATEL	2008/04/25	
REV	DESCRIPTION	

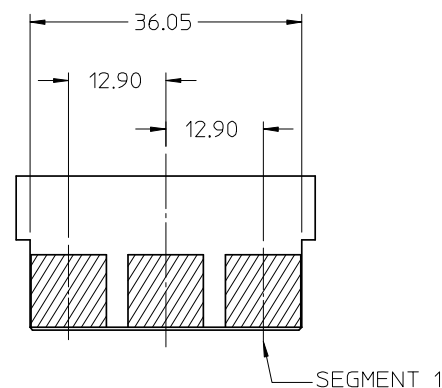
GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	± 0.25	$\pm$ ---
ANGULAR $\pm 1/2^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

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

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
POWER EDGE ASSEMBLY POWER VERTICAL CPI (2 SEGMENT PARTS)		
MOLEX INCORPORATED		
DOCUMENT NO. SD-45714-001		
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

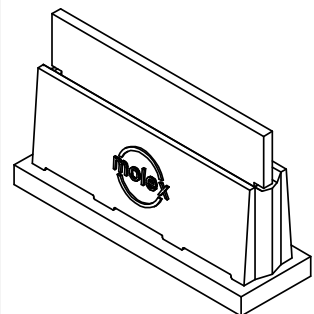


PCB LAYOUT: COMPONENT SIDE



RECOMMENDED EDGE CARD LAYOUT
EDGE CARD TOLERANCE: ± 0.05

MATERIAL NUMBER	VOIDED SEGMENT
45714-0002	NONE
45714-3001	1
45714-3002	2
45714-3003	3
45714-3004	1,2
45714-3005	1,3
45714-3006	2,3



EC NO: UCP2008-2498	2008/04/16
DRWN: SCHAFER	2008/04/22
CHKD: APATEL	2008/04/25
APPR: APATEL	2008/04/25
DESCRIPTION	
REV	

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 DIMENSIONS		

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

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
POWER EDGE ASSEMBLY POWER VERTICAL CPI (3 SEGMENT PARTS)		
molex MOLEX INCORPORATED		
DOCUMENT NO. SD-45714-001	SHEET NO. 2	
THIS INFORMATION THAT IS PROPRIETARY TO MOLEX SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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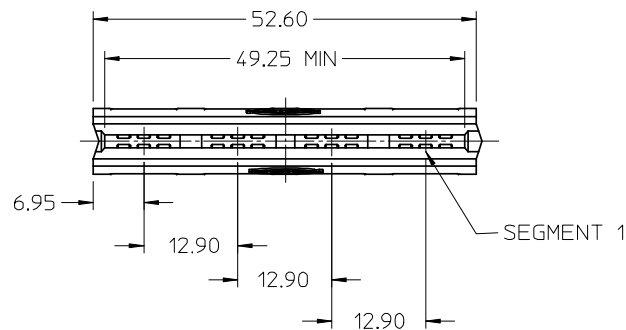
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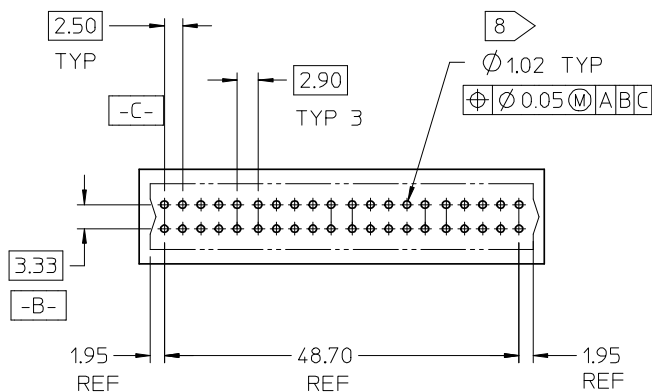
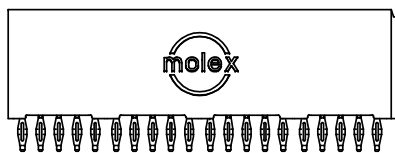
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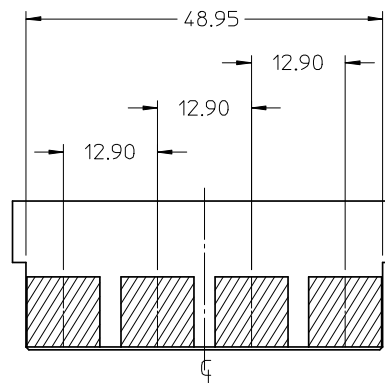


NOTES:

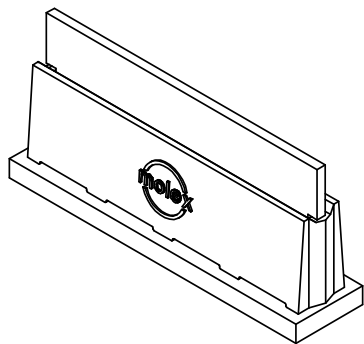
1. FOR ALL OTHER DIMENSIONS AND NOTES SEE SHEET 1.



PCB LAYOUT: COMPONENT SIDE

RECOMMENDED EDGE CARD LAYOUT
EDGE CARD TOLERANCE: ± 0.05

MATERIAL NUMBER	VOIDED SEGMENT
45714-0003	NONE
45714-4001	1
45714-4002	2
45714-4003	3
45714-4004	4
45714-4005	1,2
45714-4006	1,3
45714-4007	1,4
45714-4008	2,3
45714-4009	2,4
45714-4010	3,4



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

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
METRICTHIRD ANGLE
PROJECTIONPOWER EDGE ASSEMBLY
POWER VERTICAL CPI
(4 SEGMENT PARTS)

MOLEX INCORPORATED

DOCUMENT NO.
SD-45714-001SHEET NO.
3SIZE
ATHIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
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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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