

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0760655001

Status:

Active

Overview:

sfp_stacked_multiport_connectors

Description:

Small Form-factor Pluggable Plus (SFP+) Stacked 2-by-2 Multi-Port Press Fit Connector without Lightpipe Ports, EMI Metal Gasket, 80 Circuits, Tin (Sn) Tails

Documents:

3D Model

Drawing (PDF)

Application Specification (PDF)

Product Specification PS-75310-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

I/O Connectors

Series

76065

Application

Module-to-Board

Component Type

Receptacle

Overview

sfp_stacked_multiport_connectors

Product Name

SFP Plus

Type

N/A

Physical

Boot Color

N/A

Circuits (Loaded)

80

Circuits (maximum)

80

Circuits Detail

80

Color - Resin

Black

Durability (mating cycles max)

100

Flammability

94V-0

Gender

Female

Keying to Mating Part

None

Lock to Mating Part

Yes

Material - Metal

High Performance Alloy (HPA)

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Number of Rows

2

Orientation

Right Angle

PC Tail Length (in)

0.081 In

PC Tail Length (mm)

2.07 mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness Recommended (in)

0.062 In

PCB Thickness Recommended (mm)

1.57 mm

Packaging Type

Tray

Panel Mount

No

Pitch - Mating Interface (in)

0.031 In

Pitch - Mating Interface (mm)

0.80 mm

Pitch - Term. Interface (in)

0.031 In

Pitch - Term. Interface (mm)

0.80 mm

Plating min: Mating (µin)

30.4

Plating min: Mating (µm)

0.76

Plating min: Termination (µin)

30.4

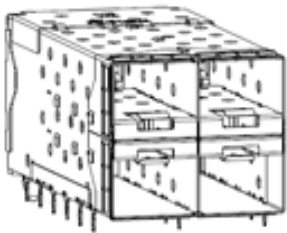


image - Reference only

Series

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

76065Series

Use With

0759510999 SFP Dust Plug,

Application Tooling | [FAQ](#)

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global	
Description	Product #
SFP Stacked Multi-Port Insertion Tool, 2 by 2	0622029970
SFP Stacked Multi-Port Extraction Tool, 2 by 2	0622029975

Plating min: Termination (µm)	0.76
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	4
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole - Compliant Pin
Waterproof / Dustproof	No

Electrical

Current - Maximum per Contact	0.5A
Grounding to Panel	None
Shield Type	EMI Gasket
Shielded	Yes
Voltage - Maximum	120V AC (RMS)/DC

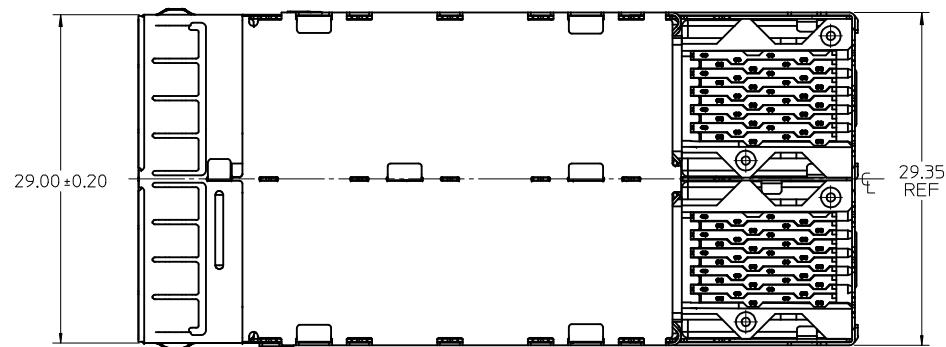
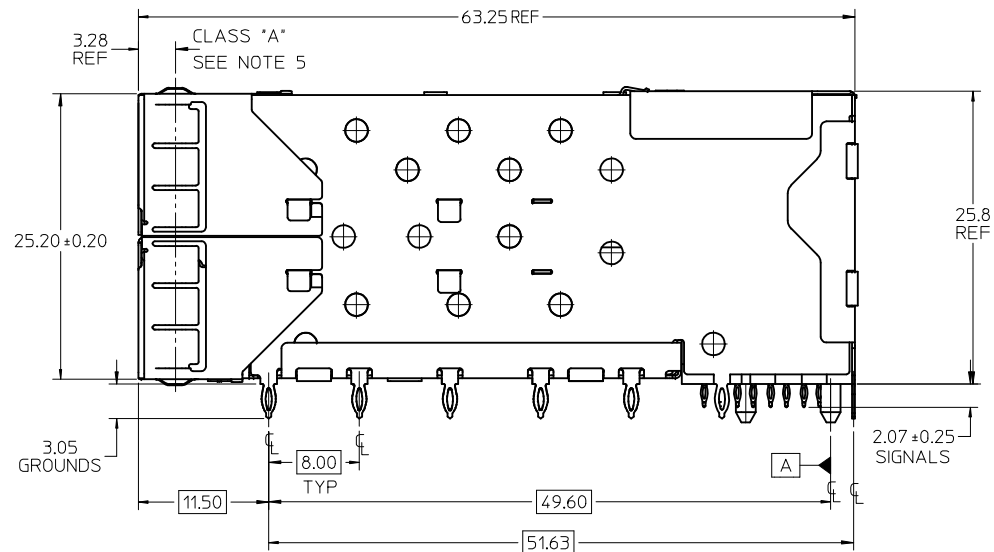
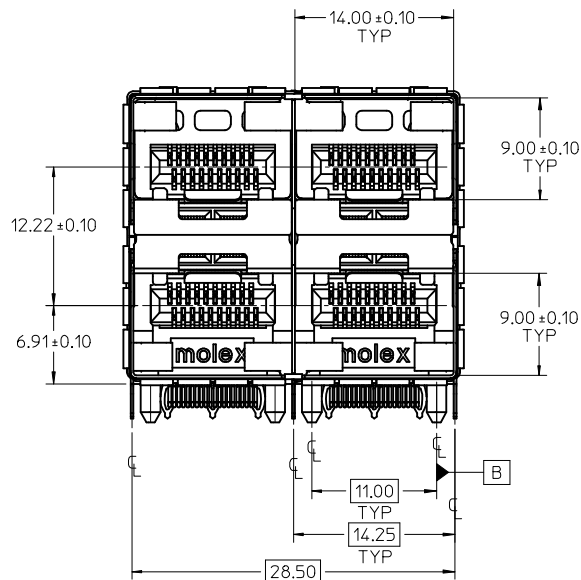
Material Info

Reference - Drawing Numbers

Application Specification	AS-75310-001
Packaging Specification	PK-75714-001
Product Specification	PS-75310-001
Sales Drawing	SD-76065-001

This document was generated on 05/27/2010

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NOTES

1. MATERIAL:

CAGE: NICKEL SILVER, THICKNESS: 0.25mm
EMI METAL GASKET: PHOS-BRONZE
CONNECTOR HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0
COLOR BLACK
OVERMOLDED TERMINALS HOUSING: GLASS FILLED HIGH TEMP PLASTIC,
94 V-0, COLOR: BLACK
TERMINALS: TIN BRASS

2. FINISH:

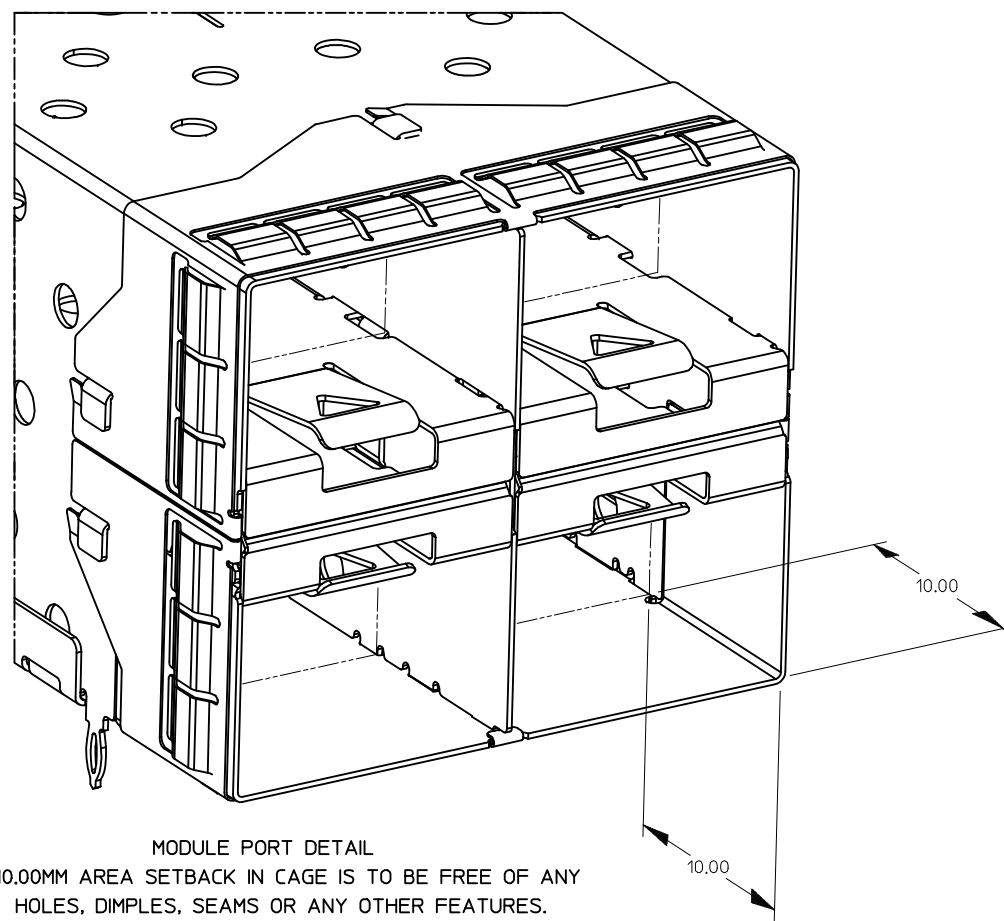
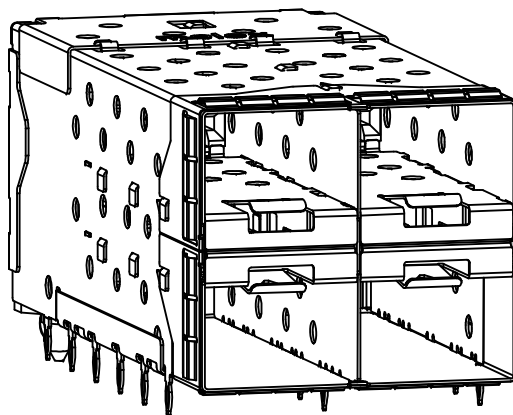
LIGHT PIPE HOUSING: 150 MICRONS NICKEL OVER 150 MICRONS COPPER
TERMINAL: CONTACT AREA: 0.76 MICRONS MIN, HARD GOLD OVER
1.27 MICRONS MIN. NICKEL.
COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICRONS 90/10 TIN/LEAD
OVER 0.76 - 1.52 MICRONS NICKEL
COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICRONS TIN
OVER 0.76 - 1.52 MICRONS NICKEL
EMI METAL GASKET: 2.54 MICRONS NICKEL OVERALL

3. REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL, AND ENVIRONMENTAL SPECIFICATIONS.

4. REFER TO PK-75714-001 FOR ALL PACKAGING SPECIFICATIONS.

5. ALL EXTERIOR SURFACES TO BE CLASS "B" SURFACE EXCEPT THE UNDER SIDE OF THE CAGE WHERE THE PCB WOULD BE LOCATED AND AS NOTED. THE SURFACES TO CONFORM TO THE MOLEX COSMETIC DOC PS-45499-002.

ADD KEEP-OUT ZONES		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: UCP2009-1356		DRAWN BY: MSANDBERG		mm		MM ONLY		3:1		METRIC		TITLE	
2009/08/04		CHECKED BY: JLONG		INCH		DATE		DATE		DATE		DATE	
2009/08/06		APPROVED BY: RNELSON		4 PLACES ± ---		10-23-06		10-23-06		10-23-06		10-23-06	
2009/08/06		3 PLACES ± ---		2 PLACES ± 0.13		10-23-06		10-23-06		10-23-06		10-23-06	
2009/08/06		1 PLACE ± 0.25		ANGULAR ± 5 °		SEE CHART		SD-76065-001		SD-76065-001		SD-76065-001	
2009/08/06		DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	

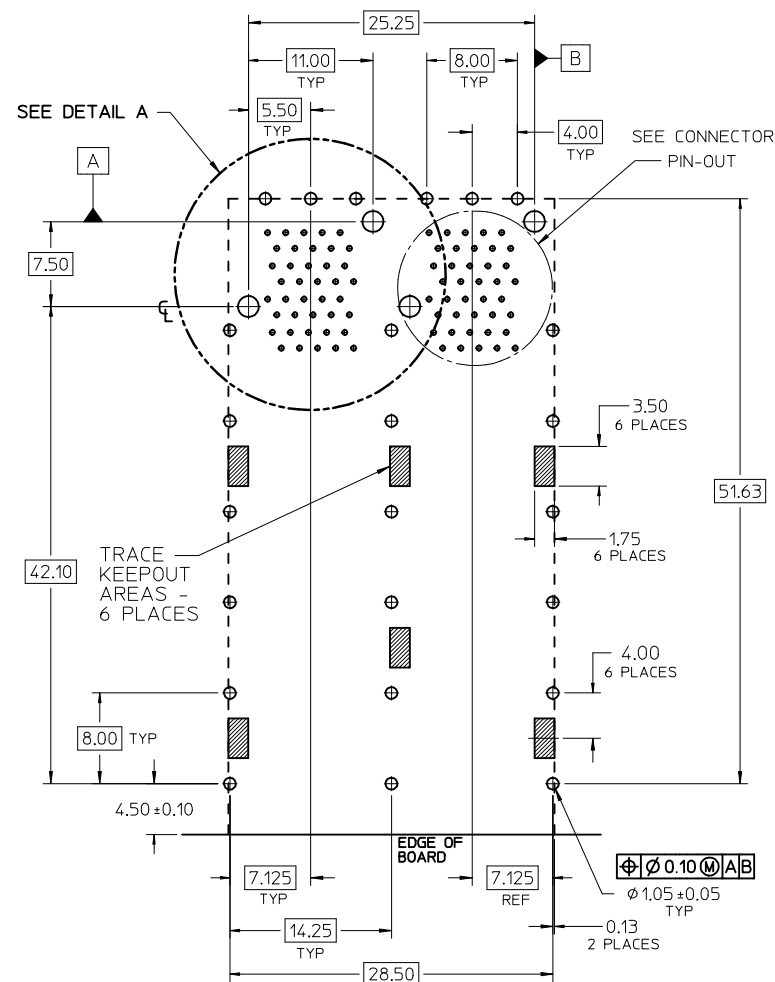


MODULE PORT DETAIL
10.00MM AREA SETBACK IN CAGE IS TO BE FREE OF ANY
HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURES.
(4 SIDES PER MODULE PORT)

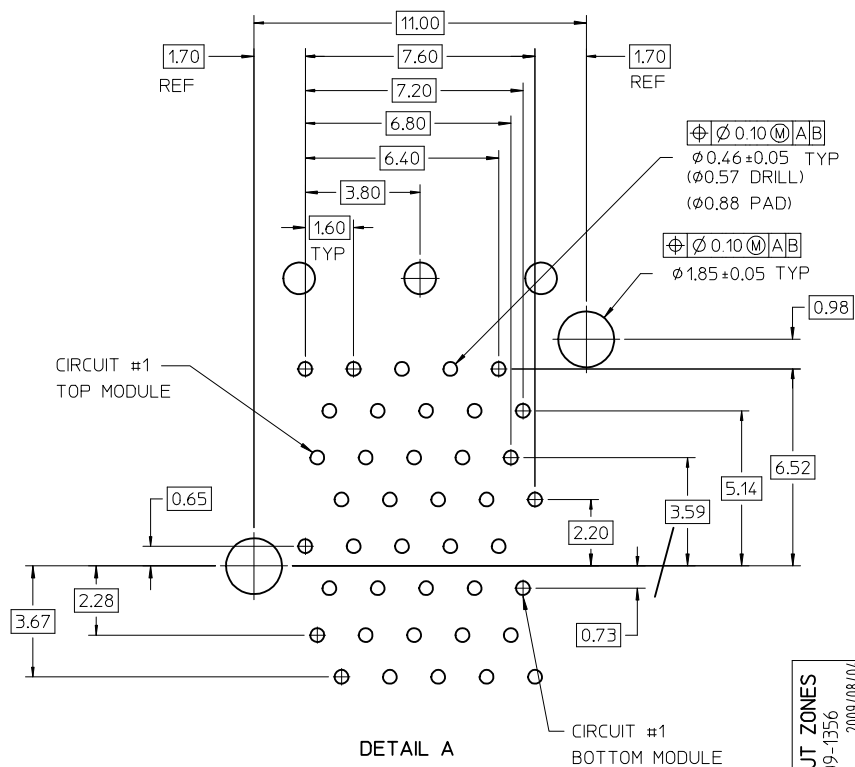
SEE SHEET 1	EC NO: UCP2009-1356			REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
							mm		INCH		DRAWN BY MSANDBERG		DATE 10-23-06		TITLE STACKED SFP+ 2X2 ASS'Y WITH METAL EMI GASKET		
	4 PLACES						± ---		± ---		CHECKED BY JLONG		DATE 10-23-06				
	3 PLACES						± ---		± ---		APPROVED BY RNELSON		DATE 10-23-06				
	2 PLACES						± 0.13		± ---		MATERIAL NO.		DOCUMENT NO.		MOLEX INCORPORATED		
	1 PLACE						± 0.25		± ---		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
							ANGULAR ± 5 °				SEE CHART		SD-76065-001		SHEET NO. 2 OF 4		
							DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										

T20 T18 T16 T14 T12
 T19 T17 T15 T13 T11
 T1 T3 T5 T7 T9
 T2 T4 T6 T8 T10
 L10 L8 L6 L4 L2
 L9 L7 L5 L3 L1
 L11 L13 L15 L17 L19
 L12 L14 L16 L18 L20

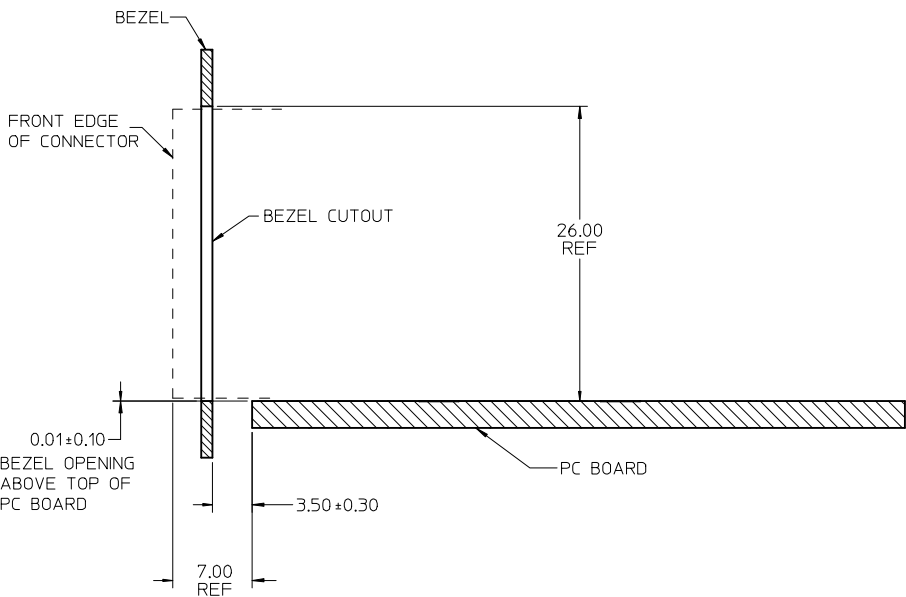
CONNECTOR PIN-OUT
 COMPONENT SIDE OF BOARD



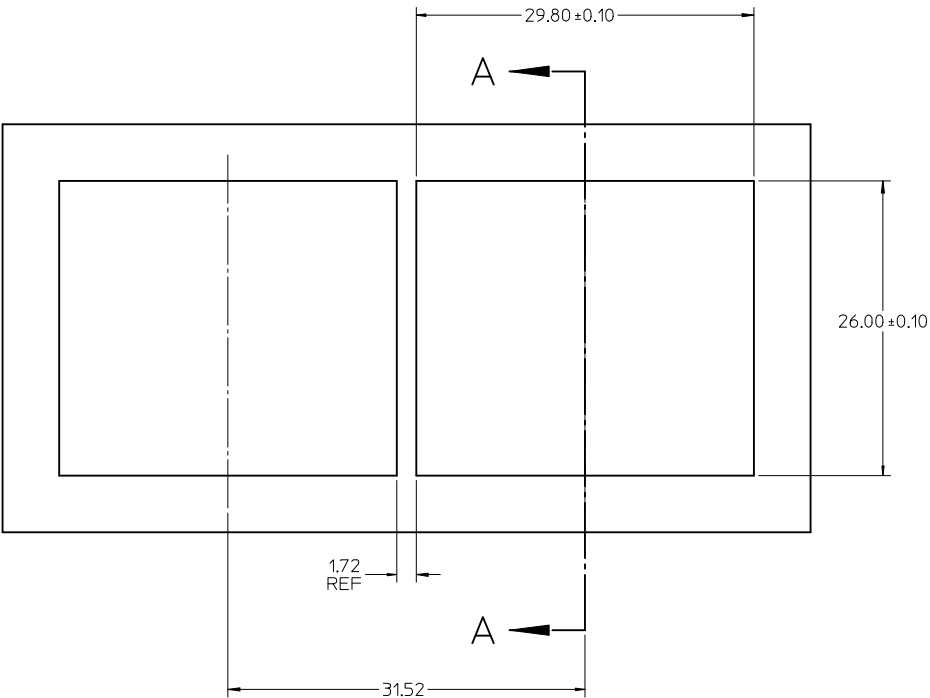
RECOMMENDED PCB LAYOUT - COMPONENT SIDE
 RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)
 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
 TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
 THIS AREA IS INDICATED BY THE DASHED LINE



ADD KEEP-OUT ZONES EC NO: UCP2009-1356 DRAWN BY: DRWN:MSI BARRA 2009/08/04 CHKD:BBARKER 2009/08/06 APPR:SMILLER 2009/08/06	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
				mm	INCH	DRAWN BY MSANDBERG	DATE 10-23-06	TITLE STACKED SFP+ 2X2 ASS'Y WITH METAL EMI GASKET			
			4 PLACES	±---	±---	CHECKED BY JLONG	DATE 10-23-06				
			3 PLACES	±---	±---	APPROVED BY RNELSON		DATE 10-23-06		MOLEX MOLEX INCORPORATED	
			2 PLACES	±0.13	±---						
1 PLACE	±0.25	±---	ANGULAR ± 5 °		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-76065-001		SHEET NO. 3 OF 4		
REV			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



SECTION A-A



BEZEL CUT-OUT CENTER SPACING DETAIL
BEZEL THICKNESS: 0.8 - 2.6

SEE SHEET 1 EC NO: UCP2009-1356 2009/08/04 DRWN:MSI BARRA 2009/08/06 CHKD:BBARKER 2009/08/06 APPR:SMILLER 2009/08/06	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY MSANDBERG	DATE 10-23-06	TITLE STACKED SFP+ 2X2 ASS'Y WITH METAL EMI GASKET			
			4 PLACES	± ---	± ---	CHECKED BY JLONG	DATE 10-23-06				
			3 PLACES	± ---	± ---						
			2 PLACES	± 0.13	± ---						
			1 PLACE	± 0.25	± ---	APPROVED BY RNELSON	DATE 10-23-06	MOLEX MOLEX INCORPORATED			
			ANGULAR ± 5 °			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-76065-001			SHEET NO. 4 OF 4
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



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;
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- 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.);

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- 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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