

**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](#) [Product Specification PS-75310-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification \(PDF\)](#)

**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

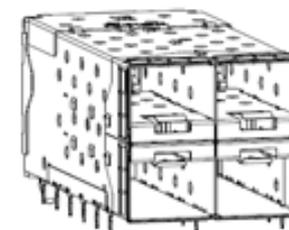


image - Reference only

Series

**EU RoHS**

**ELV and RoHS  
Compliant**

**REACH SVHC  
Contains SVHC: No  
Halogen-Free  
Status**

**China RoHS**



**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto: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	<a href="#">0622029970</a>
SFP Stacked Multi-Port Extraction Tool, 2 by 2	<a href="#">0622029975</a>

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**

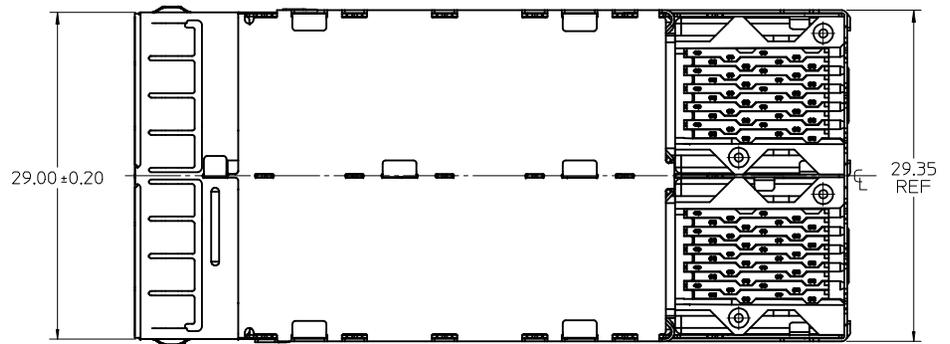
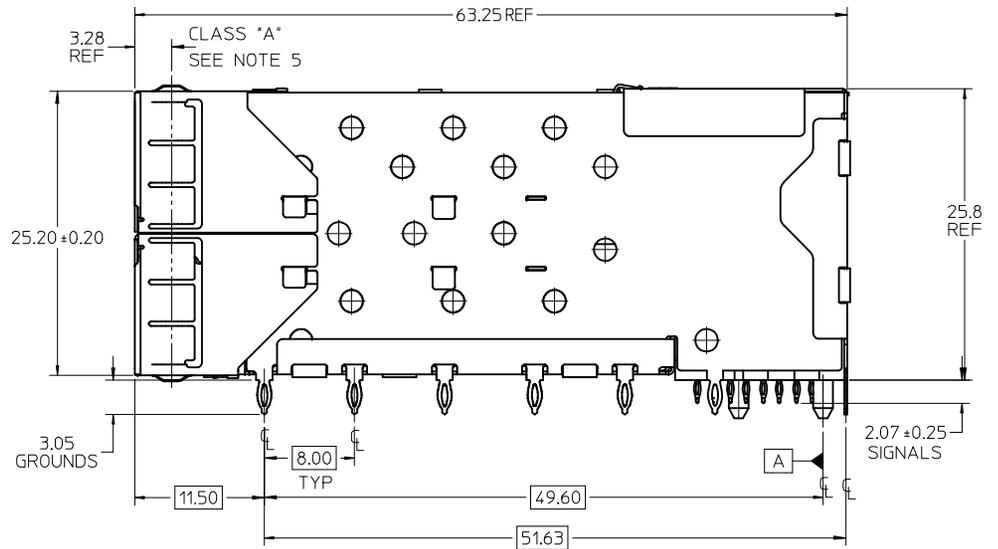
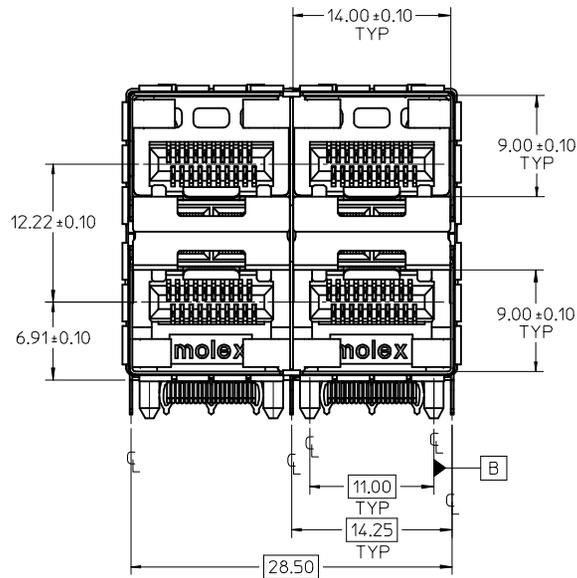
#### **Reference - Drawing Numbers**

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

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**

PART NUMBER	COMPLIANT TAIL PLATING
760650001	TIN / LEAD
760655001	TIN



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:

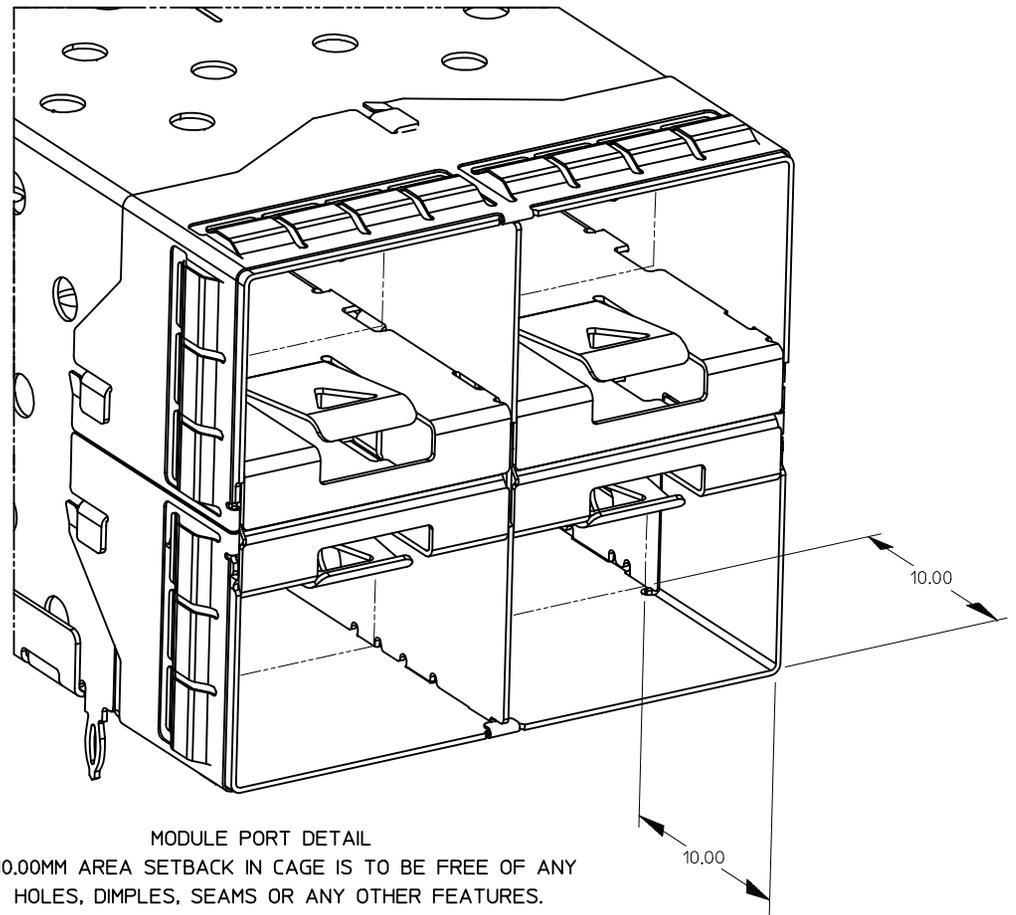
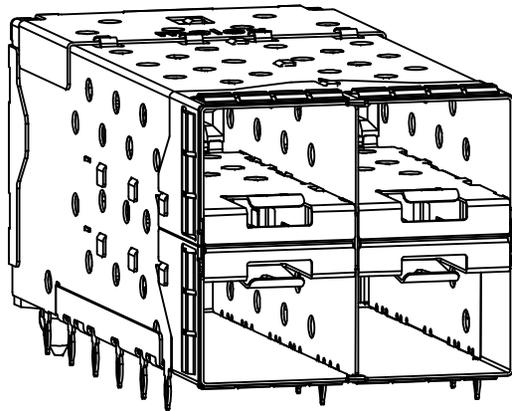
- LIGHT PIPE HOUSING: 150 MICRONS NICKEL OVER 150 MICRONS COPPER
- TERMINAL: CONTACT AREA: 0.76 MICRONS MIN, HARD GOLD OVER 1.27 MICRONS MIN. NICKEL.
- COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICRONS 90/10 TIN/LEAD OVER 0.76 - 1.52 MICRONS NICKEL
- COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICRONS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

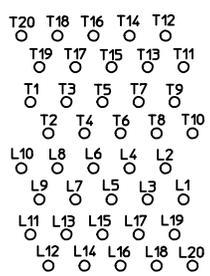
5. ALL EXTERIOR SURFACES TO BE CLASS 'B' SURFACE EXCEPT THE UNDER SIDE OF THE CAGE WHERE THE PCB WOULD BE LOCATED AND AS NOTED. THE SURFACES TO CONFORM TO THE MOLEX COSMETIC DOC PS-45499-002.

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

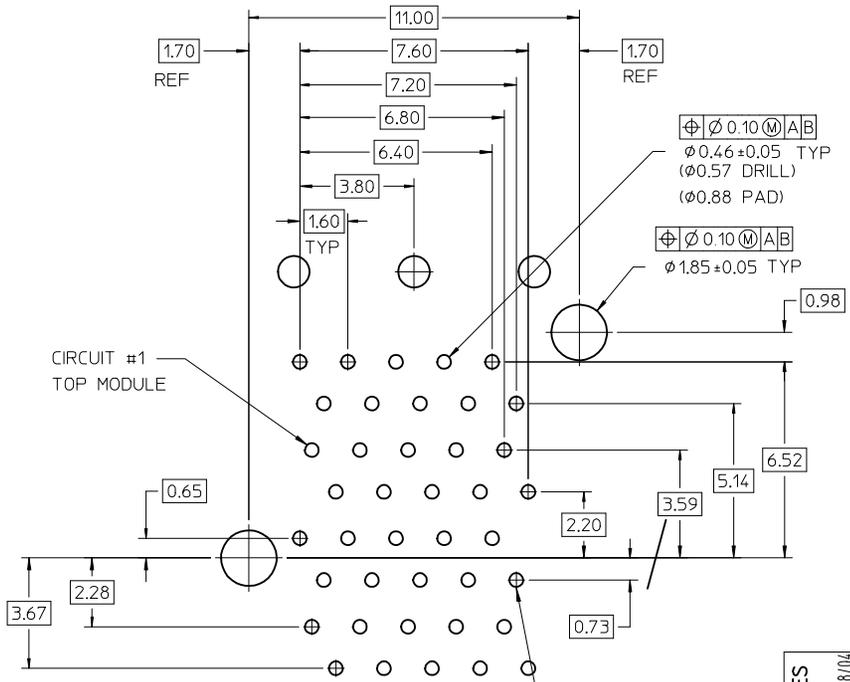


MODULE PORT DETAIL  
 10.00MM AREA SETBACK IN CAGE IS TO BE FREE OF ANY HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURES.  
 (4 SIDES PER MODULE PORT)

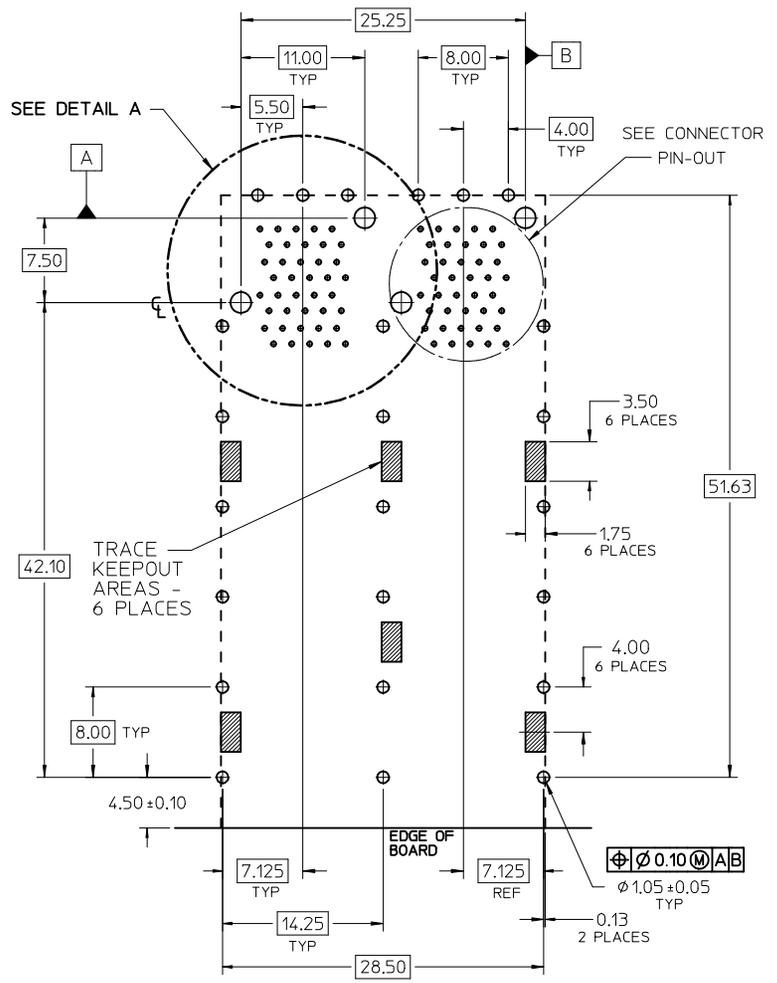
SEE SHEET 1 EC NO: UCP2009-1356 DRWN:MSI BARRA 2009/08/04 CHKD:BBARKER 2009/08/06 APPR:SMILLER 2009/08/06	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES ±</td> <td>---</td> <td>---</td> </tr> <tr> <td>3 PLACES ±</td> <td>---</td> <td>---</td> </tr> <tr> <td>2 PLACES ±</td> <td>0.13</td> <td>---</td> </tr> <tr> <td>1 PLACE ±</td> <td>0.25</td> <td>---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES ±	---	---	3 PLACES ±	---	---	2 PLACES ±	0.13	---	1 PLACE ±	0.25	---	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>3:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		mm	INCH																		
	4 PLACES ±	---	---																		
	3 PLACES ±	---	---																		
2 PLACES ±	0.13	---																			
1 PLACE ±	0.25	---																			
DESCRIPTION REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWN BY MSANDBERG	DATE 10-23-06	TITLE <b>STACKED SFP+ 2X2 ASS'Y WITH METAL EMI GASKET</b>																	
		CHECKED BY JLONG	DATE 10-23-06	MOLEX INCORPORATED																	
		APPROVED BY RNELSON	DATE 10-23-06	MATERIAL NO. <b>SEE CHART</b>	DOCUMENT NO. <b>SD-76065-001</b>	SHEET NO. <b>2 OF 4</b>															



CONNECTOR PIN-OUT  
 COMPONENT SIDE OF BOARD

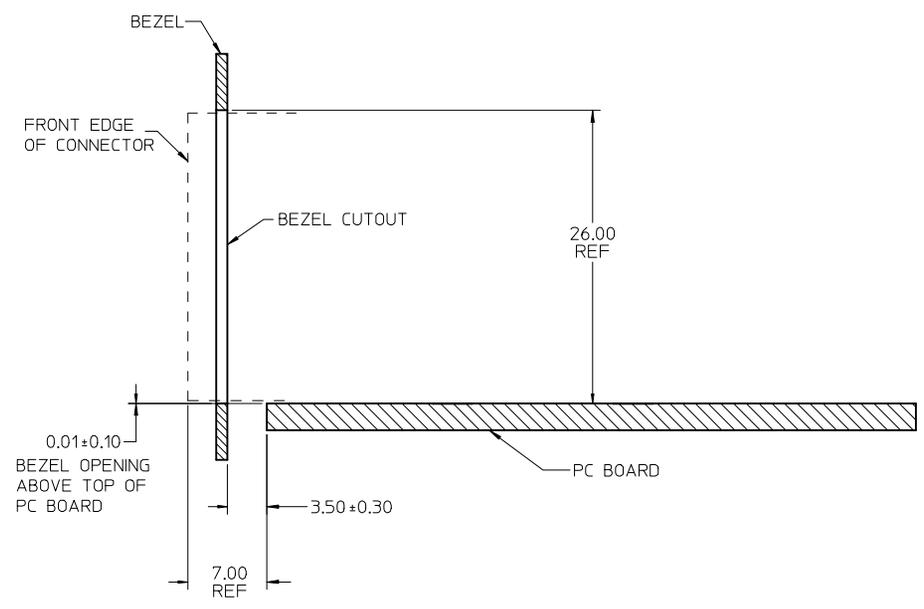


DETAIL A  
 SCALE 8:1

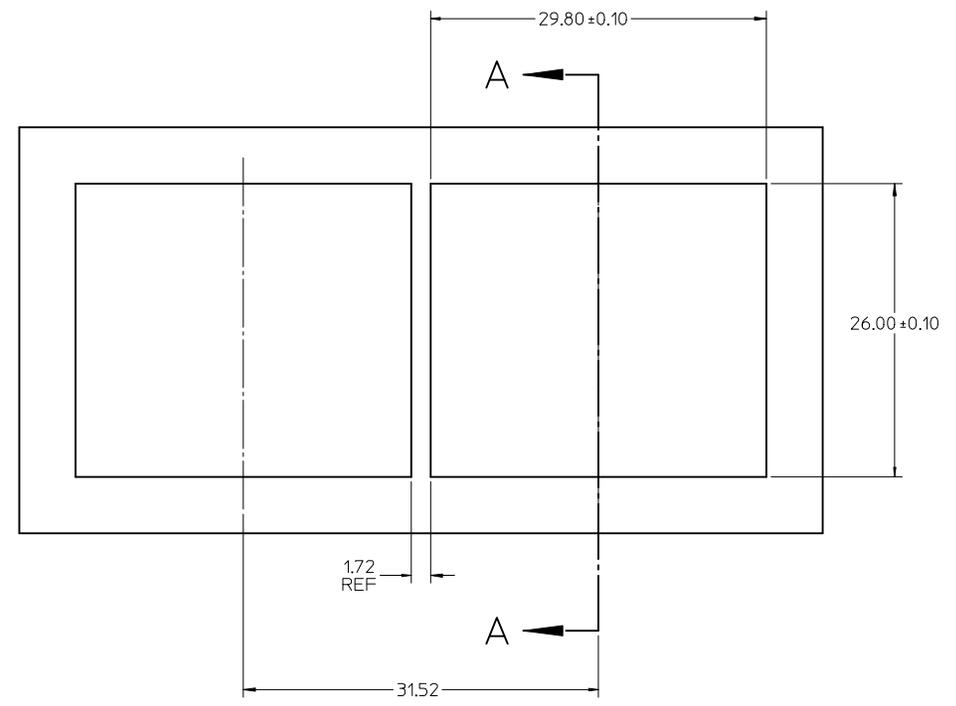


RECOMMENDED PCB LAYOUT - COMPONENT SIDE  
 RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)  
 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT  
 TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS  
 THIS AREA IS INDICATED BY THE DASHED LINE

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



SECTION A-A



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

SEE SHEET 1 EC NO: UCP2009-1356 DRAWN BY: DRWINHSI BARRA 2009/08/04 CHKD: BBARKER 2009/08/06 APPR: SMILLER 2009/08/06	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 5°	DIMENSION STYLE MM ONLY DRAWN BY: MSANDBERG DATE: 10-23-06 CHECKED BY: JLONG DATE: 10-23-06 APPROVED BY: RNELSON DATE: 10-23-06	SCALE: 3:1 DESIGN UNITS: METRIC THIRD ANGLE PROJECTION	TITLE: STACKED SFP+ 2X2 ASS'Y WITH METAL EMI GASKET	
	MATERIAL NO. SEE CHART SIZE C	DOCUMENT NO. SD-76065-001	SHEET NO. 4 OF 4			
	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		
				MOLEX INCORPORATED		