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Part Number: [0760650001](#)
Status: **Obsolete**
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)/Lead(Pb) Tails

Documents:
[Drawing \(PDF\)](#)

Agency Certification

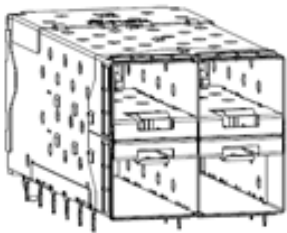
CSA LR19980
UL E29179

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-Lead
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
Plating min: Termination (µm) 0.76



Series

image - Reference only

EU RoHS
RoHS Compliant by Exemption
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

China RoHS

Pb

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

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

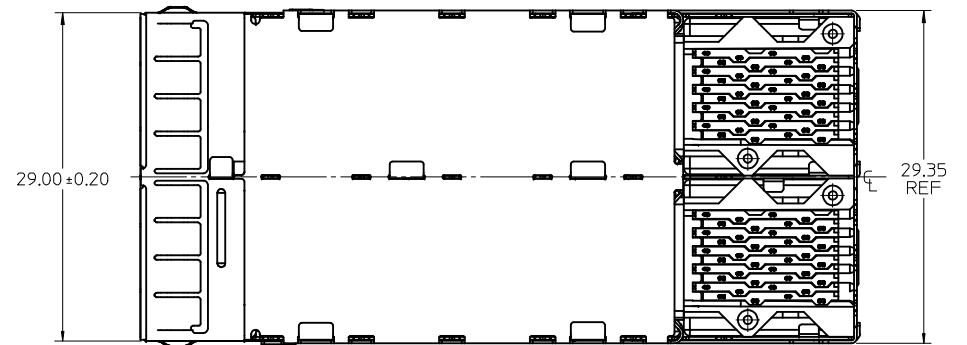
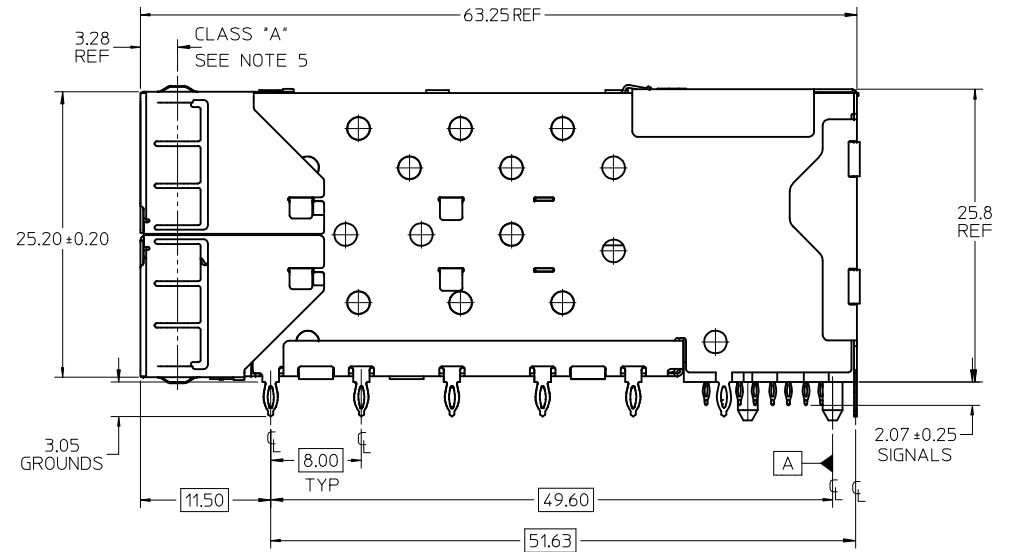
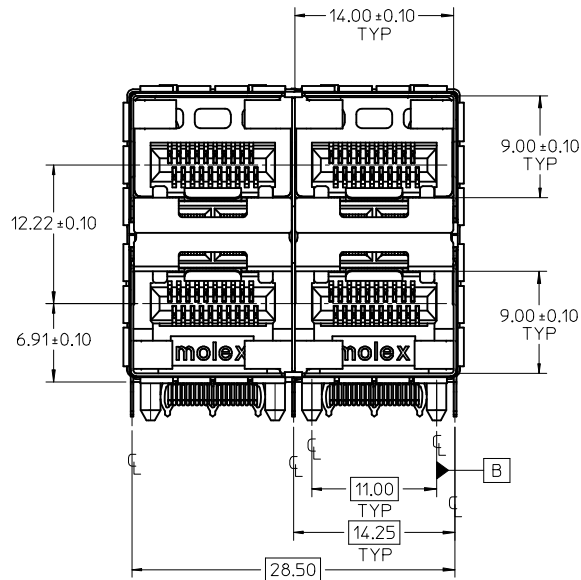
Material Info

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 06/04/2010

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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:

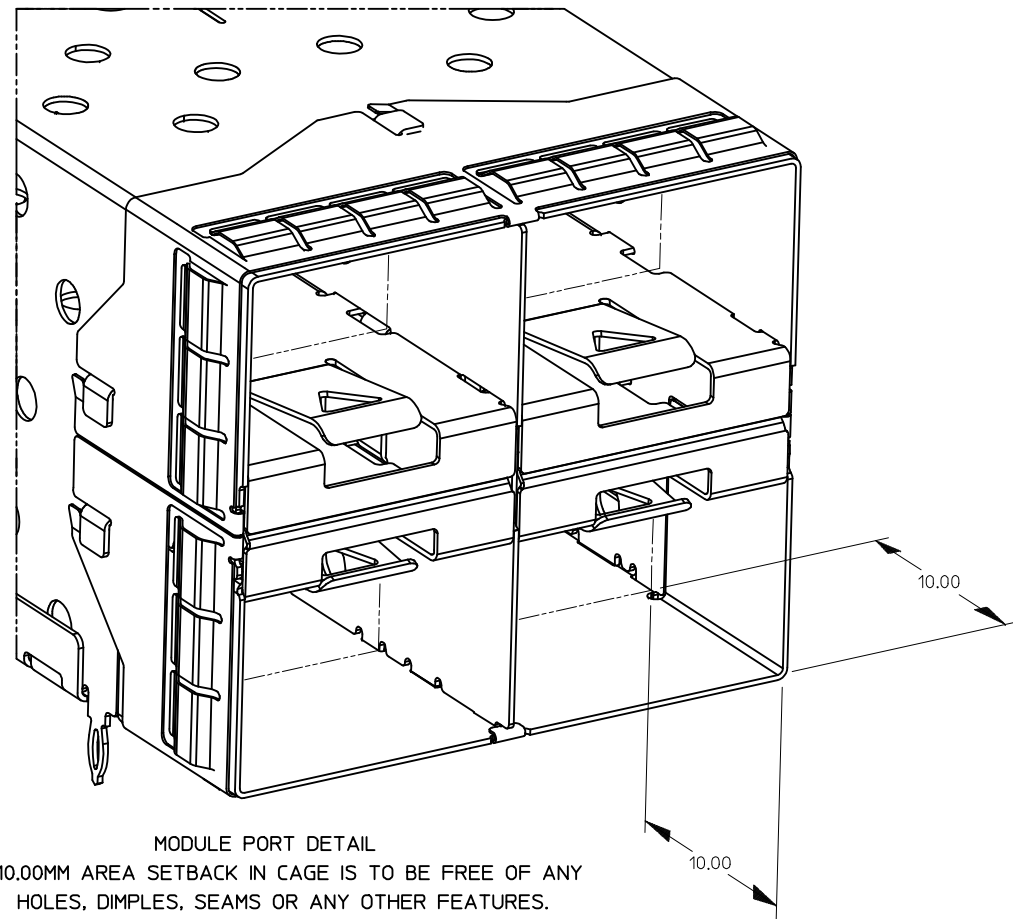
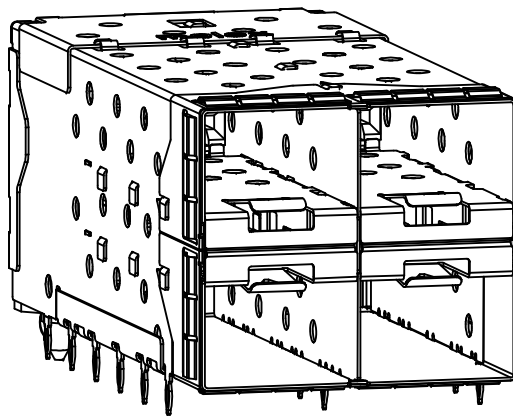
LIGHT PIPE HOUSING: 150 MICRONS NICKEL OVER 150 MICRONS COPPER
TERMINAL: CONTACT AREA: 0.76 MICRONS MIN, HARD GOLD OVER
1.27 MICRONS MIN. NICKEL.
COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICRONS 90/10 TIN/LEAD
OVER 0.76 - 1.52 MICRONS NICKEL
COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICRONS TIN
OVER 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		MATERIAL NO.		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.		1 OF 4	

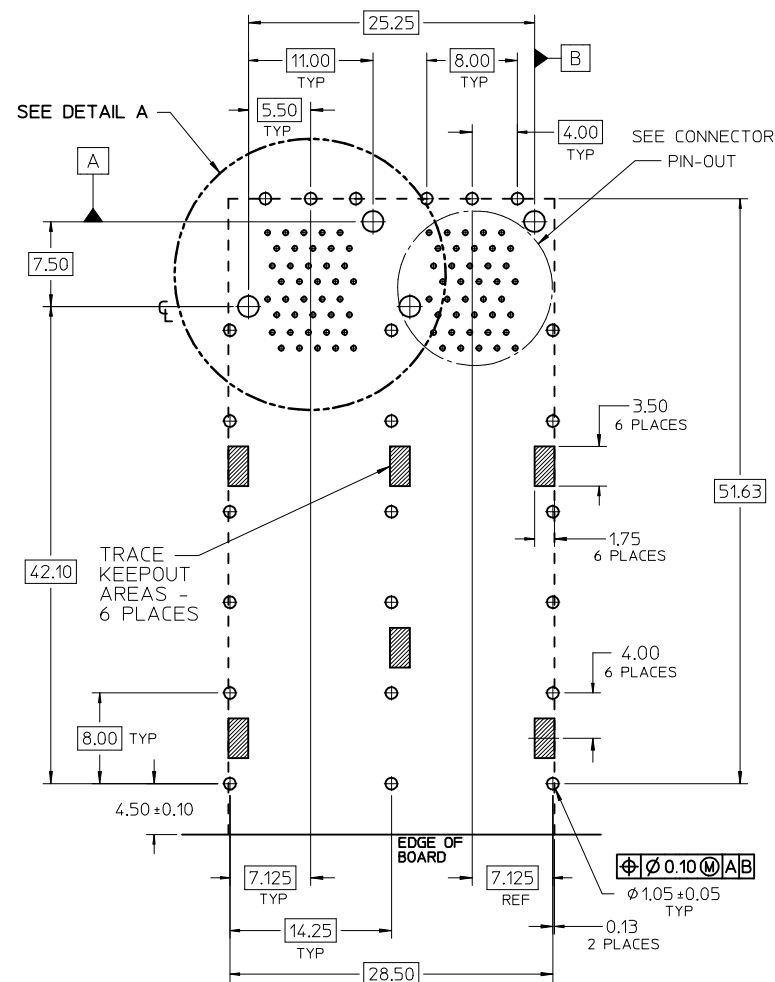


MODULE PORT DETAIL
10.00MM AREA SETBACK IN CAGE IS TO BE FREE OF ANY
HOLES, DIMPLES, SEAMS OR ANY OTHER FEATURES.
(4 SIDES PER MODULE PORT)

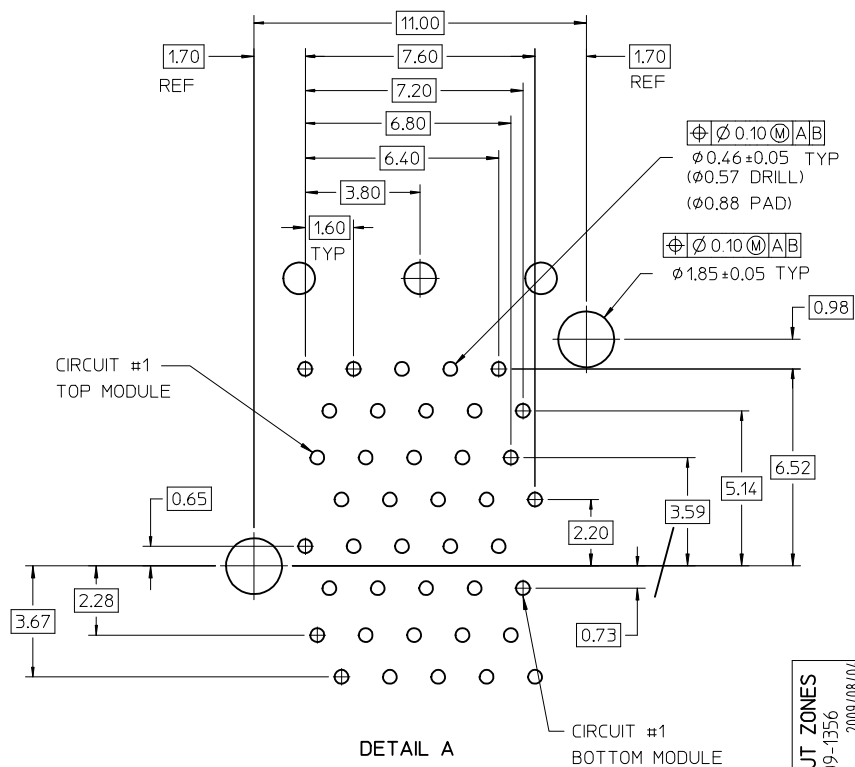
SEE SHEET 1 EC NO: UCP2009-1356 DRAWN:MSI BARRA 2009/08/04 CHKD:BBARKER 2009/08/06 APPR:SMILLER 2009/08/06	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE STACKED SFP+ 2X2 ASS'Y WITH METAL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

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



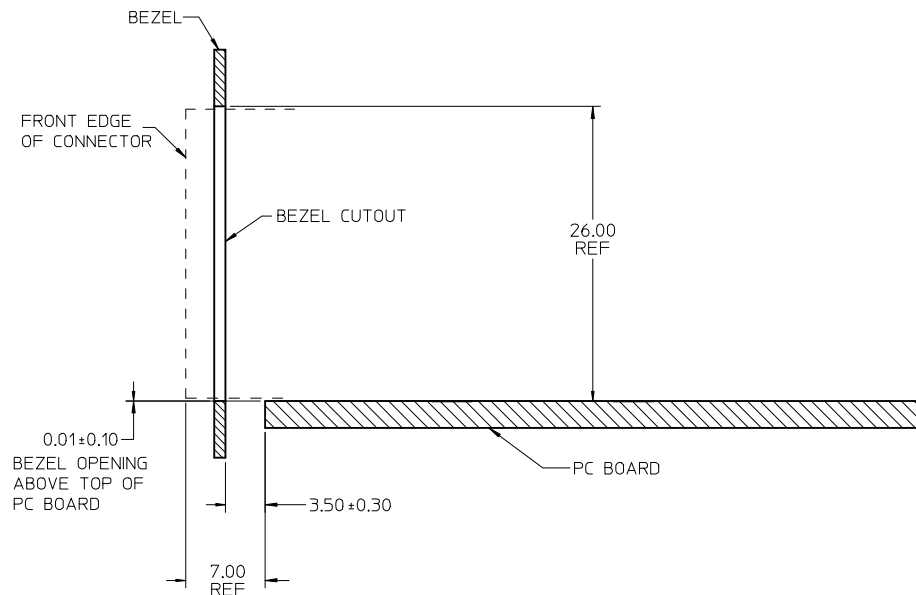
RECOMMENDED PCB LAYOUT - COMPONENT SIDE
 RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)
 THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
 TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
 THIS AREA IS INDICATED BY THE DASHED LINE



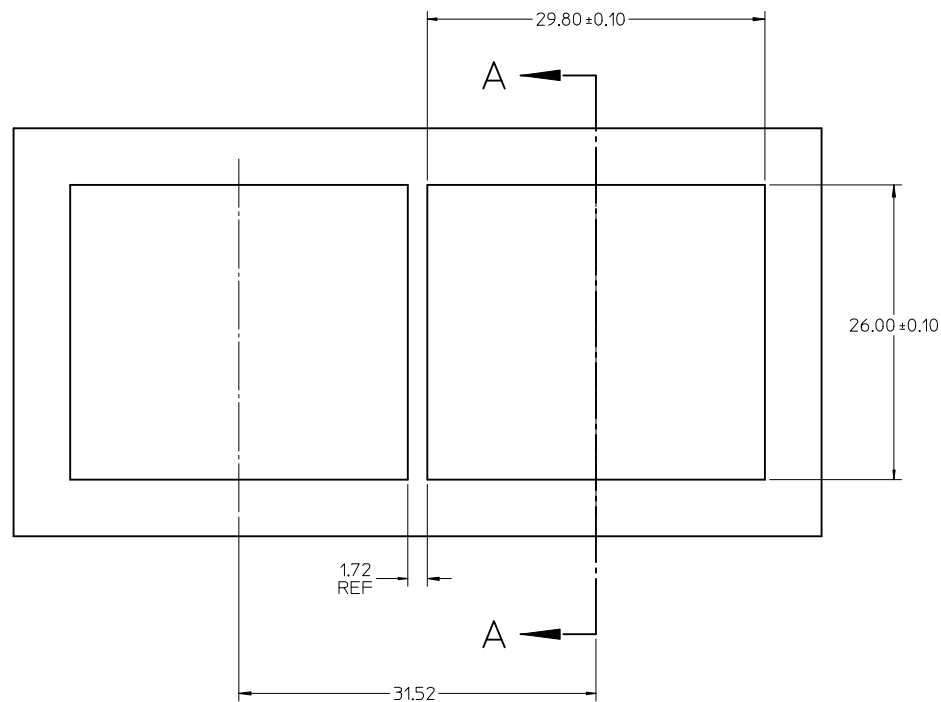
ADD KEEP-OUT ZONES	EC NO: UCP2009-1356 DRWN:MSI BARRA 2009/08/04 CHKD:BBARKER 2009/08/06 APPR:SMILLER 2009/08/06	DESCRIPTION	REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
						mm	INCH	DRAWN BY MSANDBERG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

DRAFT WHERE APPLICABLE
 MUST REMAIN
 WITHIN DIMENSIONS

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