

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0761015001](#)
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, Elastomeric Gasket, 80 Circuits, Tin (Sn) Tails

Documents:

3D Model	Test Summary (PDF)
Application Specification (PDF)	Product Specification PS-75310-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	I/O Connectors
Series	76101
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
Durability (mating cycles max)	100
Flammability	94V-0
Gender	Female
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Plating Mating	Gold
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
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

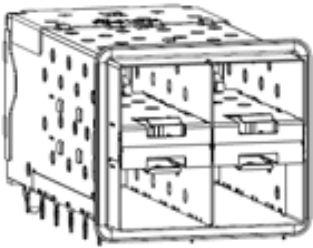


image - Reference only

Series

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

[76101Series](#)

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

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

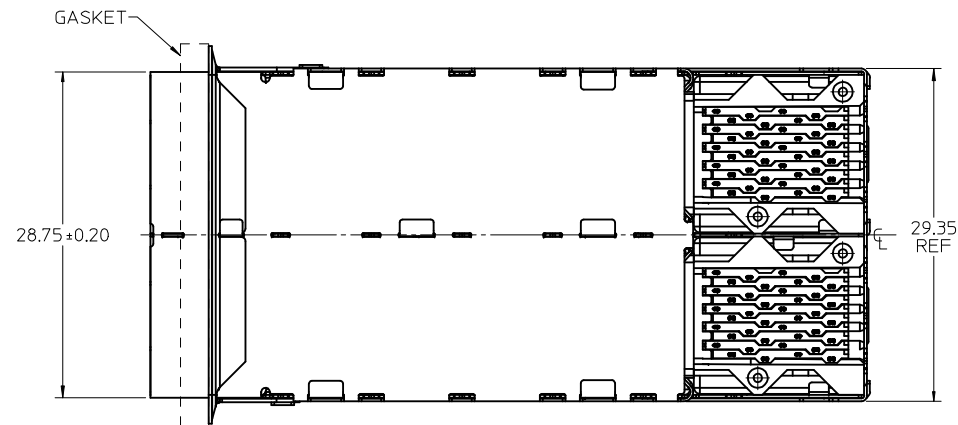
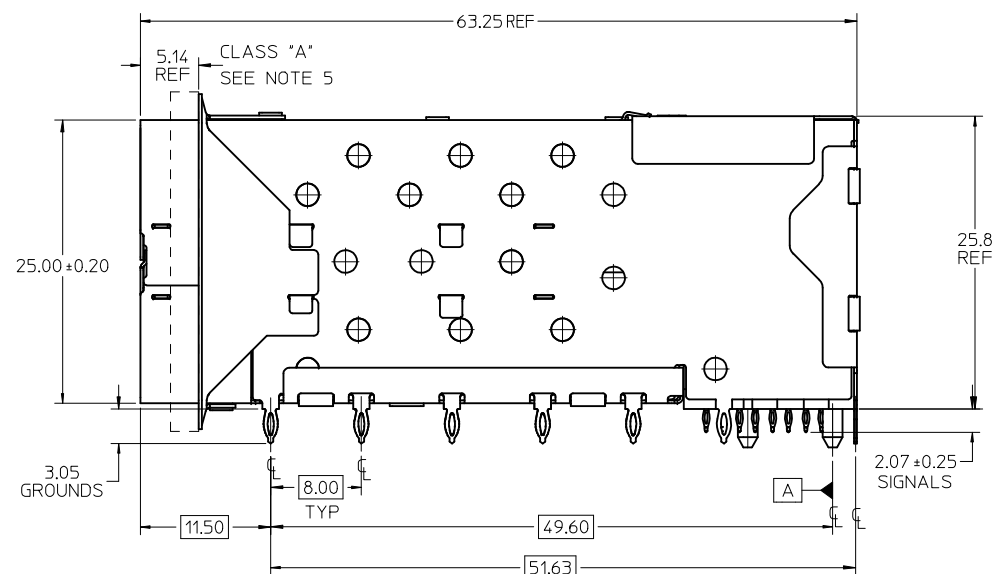
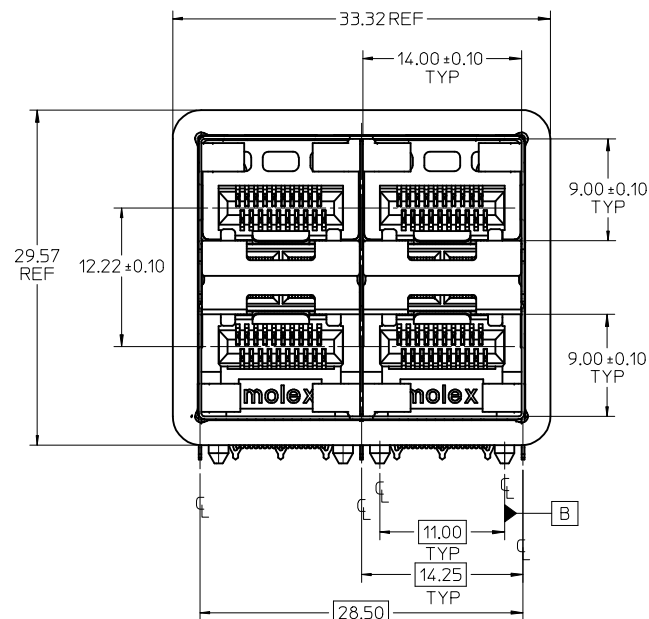
Reference - Drawing Numbers

Application Specification	AS-75310-001
Packaging Specification	PK-75714-001
Product Specification	PS-75310-001
Sales Drawing	SD-76101-001

This document was generated on 05/27/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

PART NUMBER	COMPLIANT TAIL PLATING
761010001	TIN / LEAD
761015001	TIN



NOTES

1. MATERIAL:

CAGE: NICKEL SILVER, THICKNESS: 0.25mm
EMI GASKET: CONDUCTIVE ELASTOMER
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:

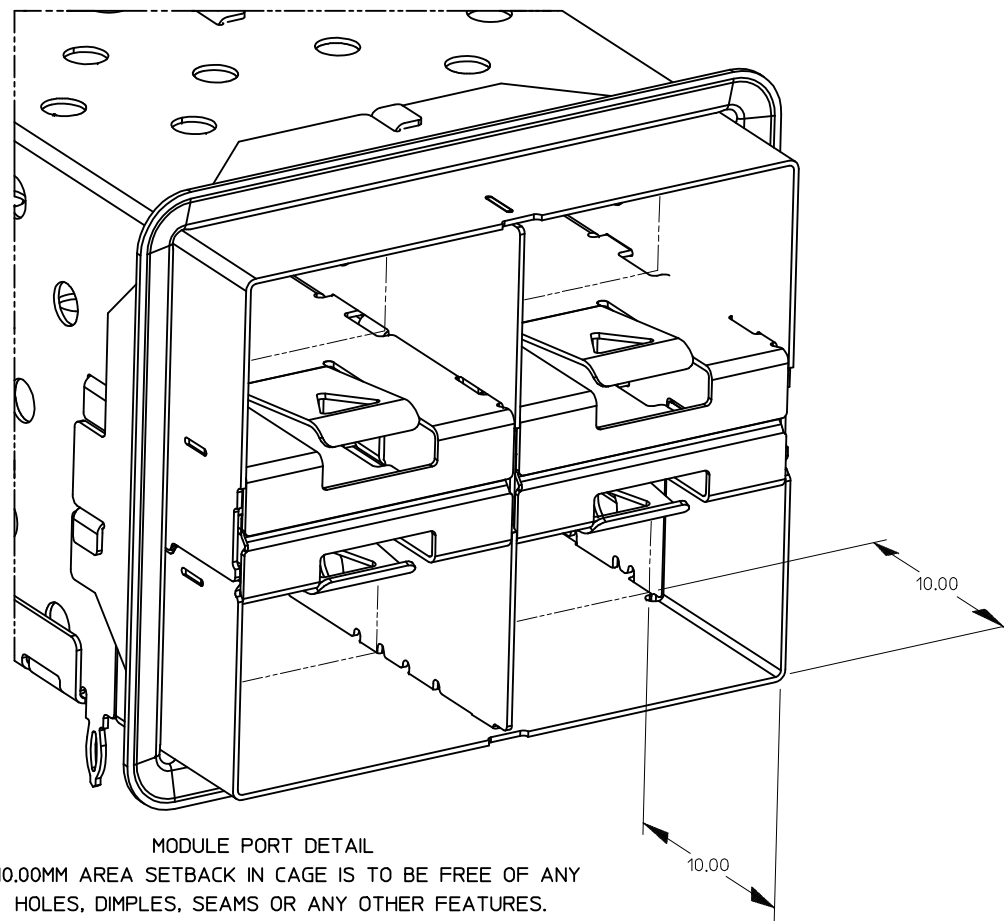
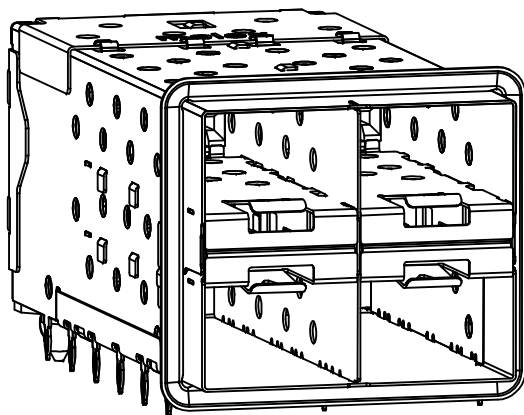
TERMINAL: CONTACT AREA: 0.76 MICRONS MIN, HARD GOLD OVER
1.27 MICRONS MIN. NICKEL.
COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 152 MICRONS 90/10 TIN/LEAD
OVER 0.76 - 152 MICRONS NICKEL
COMPLIANT TAIL - TIN OPTION: 0.76 - 152 MICRONS TIN
OVER 0.76 - 152 MICRONS NICKEL
EMI GASKET: SILVER

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.

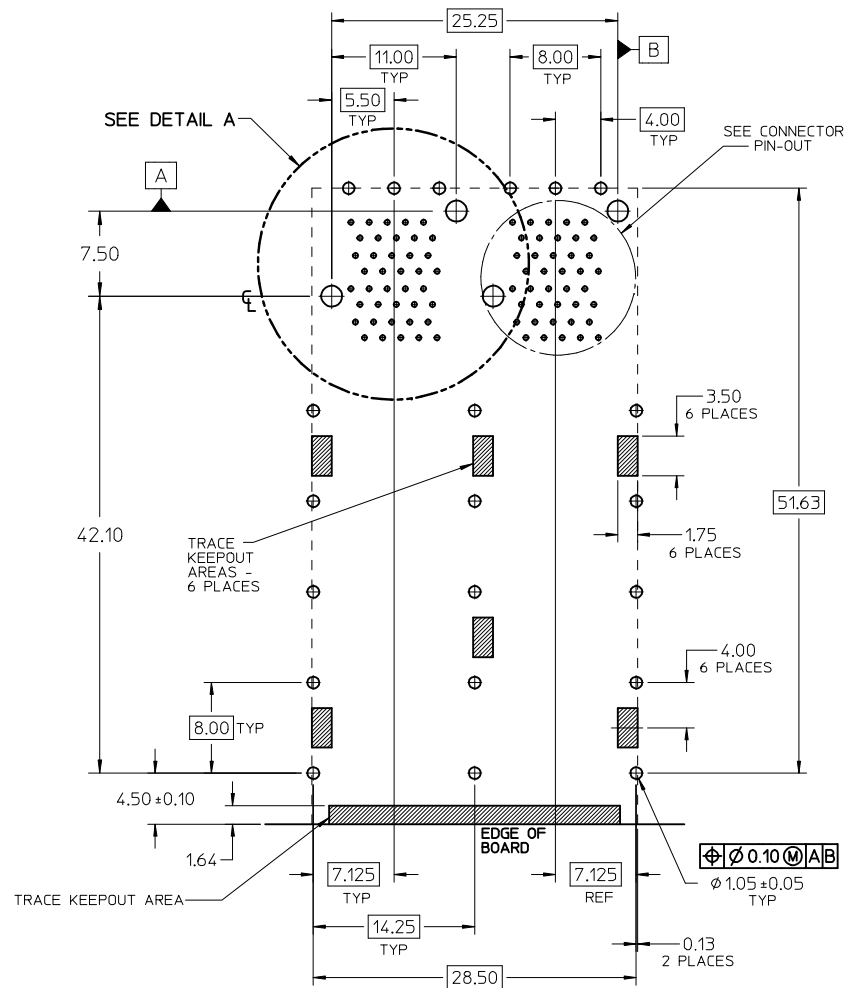
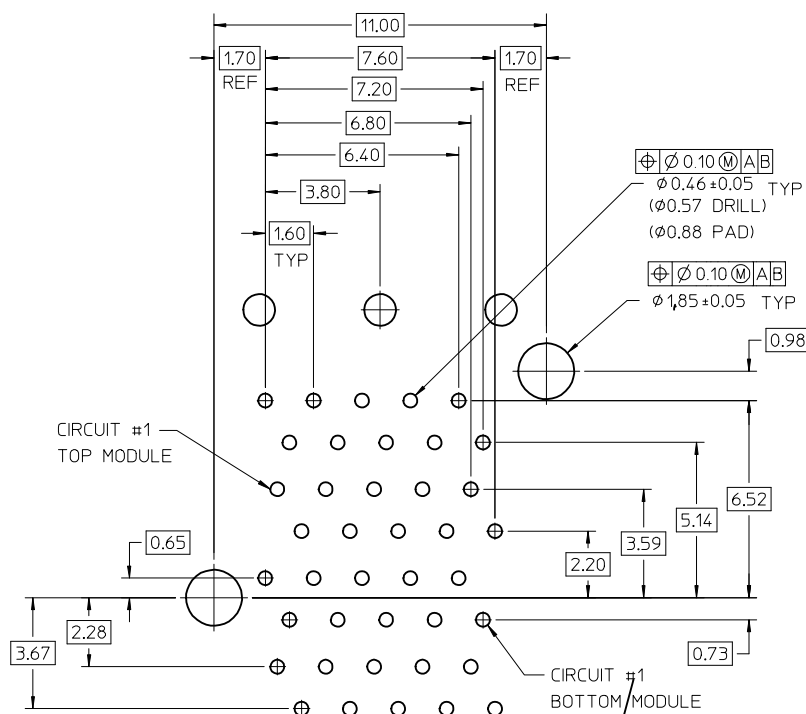
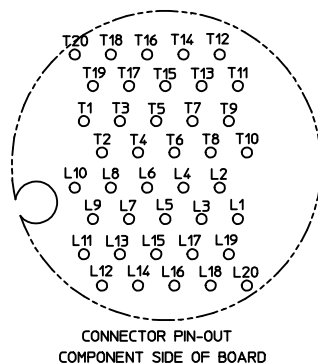
ADD KEEP-OUT ZONES EC NO: UCP2009-1356 DRAWN: SI BARRA 2009/08/04 CHKD: HBARKER 2009/08/06 APPR: SMILLER 2009/08/06	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION ⊙ □						
						DRAWN BY DATE JJANTELEZIO 01-18-2007		TITLE STACKED SFP+ 2X2 ASS'Y WITH ELASTOMERIC GASKET								
						CHECKED BY DATE MSANDBERG 01-18-2007										
						APPROVED BY DATE RNELSON 01-18-2007										
						MATERIAL NO. SEE CHART							DOCUMENT NO. SD-76101-001		SHEET NO. 1 OF 4	
						SIZE C							THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
				4 PLACES ± --- ± ---												
				3 PLACES ± --- ± ---												
				2 PLACES ± 0.13 ± ---												
				1 PLACE ± 0.25 ± ---												
		ANGULAR ± 5 °														
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														



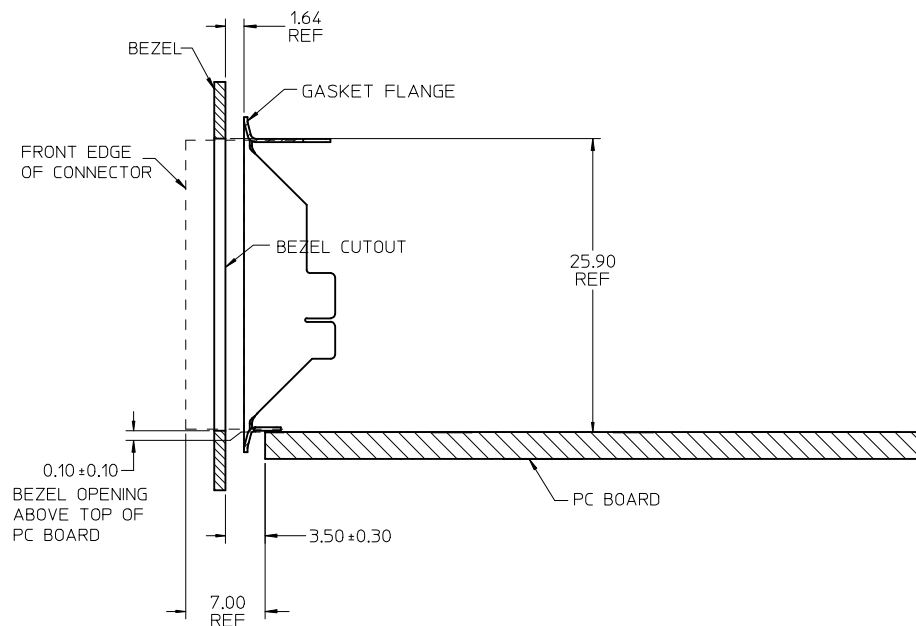
MODULE PORT DETAIL

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

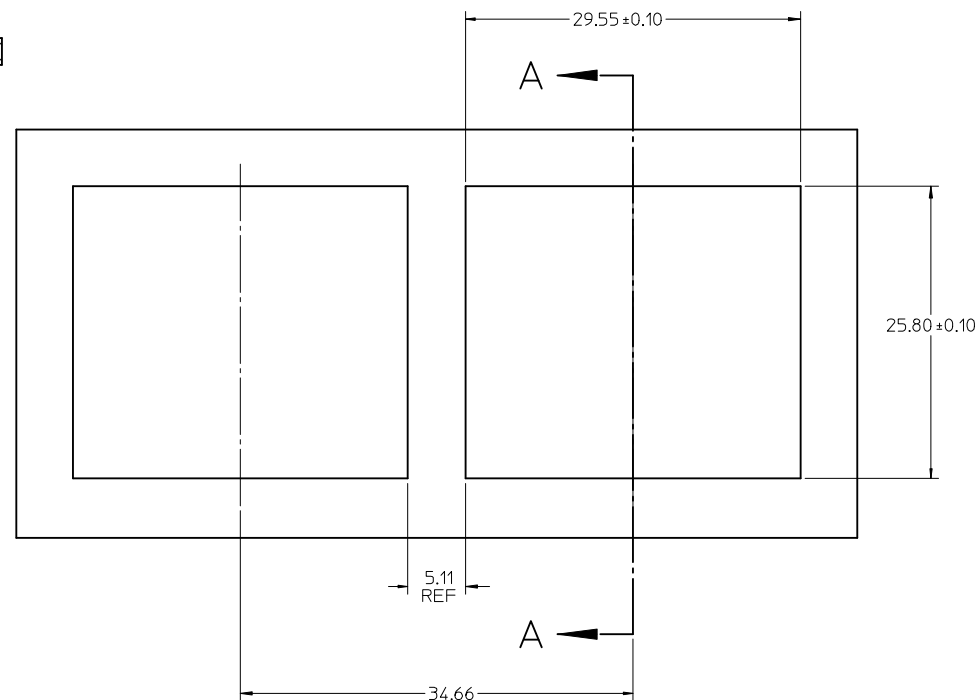
SEE SHEET 1 EC NO: UCP2009-1356 DRWN:MSI BARRA 2009/08/04 CHKD:BBARKER 2009/08/06 APPR:SMILLER 2009/08/06	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	STACKED SFP+ 2X2 ASS'Y WITH ELASTOMERIC GASKET	
					mm	INCH	DRAWN BY JJANTELEZIO	DATE 01-18-2007	TITLE			
				4 PLACES	± ---	± ---	CHECKED BY MSANDBERG	DATE 01-18-2007				
				3 PLACES	± ---	± ---	APPROVED BY RNELSON					DATE 01-18-2007
				2 PLACES	± 0.13	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-76101-001			
				1 PLACE	± 0.25	± ---						
				ANGULAR ± 5 °		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				



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	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 DATE JJANTELEZIO 01-18-2007		TITLE STACKED SFP+ 2X2 ASS'Y WITH ELASTOMERIC GASKET		
			4 PLACES ±	---	---	CHECKED BY DATE MSANDBERG 01-18-2007				
			3 PLACES ±	---	---	APPROVED BY DATE RNELSON 01-18-2007				
			2 PLACES ±	0.13	---	MOLEX MOLEX INCORPORATED				
			1 PLACE ±	0.25	---					
			ANGULAR ± 5 °			MATERIAL NO. SEE CHART		DOCUMENT NO. SD-76101-001		SHEET NO. 3 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		



SECTION A-A



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

SEE SHEET 1 EC NO: UCP2009-1356 DRAWN BY: BARRA 2009/08/04 CHKD BY: BARKER 2009/08/06 APPR: MILLER 2009/08/06	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION					
						DRAWN BY DATE JJANTELEZIO 01-18-2007		TITLE STACKED SFP+ 2X2 ASS'Y WITH ELASTOMERIC GASKET							
						CHECKED BY DATE MSANDBERG 01-18-2007									
						APPROVED BY DATE RNELSON 01-18-2007		MOLEX INCORPORATED							
						MATERIAL NO.						DOCUMENT NO.		SHEET NO.	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		SD-76101-001		4 OF 4			
								SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					