

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0757595001](#)  
**Status:** **Active**  
**Overview:** [sfp\\_stacked\\_connectors](#)  
**Description:** Small Form-factor Pluggable (SFP) Stacked 2-by-2 Multi-Port Connector with Press-fit PC Tails, 80 Circuits, Lead Free

**Documents:**

[3D Model](#) [Product Specification PS-75310-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Application Specification \(PDF\)](#)

**Agency Certification**

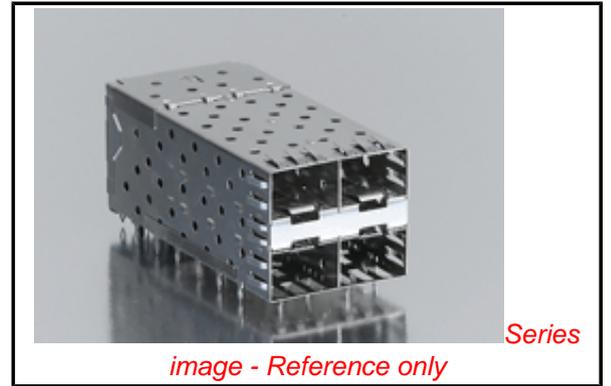
CSA LR19980  
 UL E29179

**General**

Product Family I/O Connectors  
 Series [75759](#)  
 Application Module-to-Board  
 Component Type Receptacle  
 Overview [sfp\\_stacked\\_connectors](#)  
 Product Name SFP  
 Type N/A

**Physical**

Boot Color N/A  
 Circuits (Loaded) 80  
 Circuits (maximum) 80  
 Color - Resin Black  
 Durability (mating cycles max) 100  
 Flammability 94V-0  
 Gender Female  
 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) 0.092 In  
 PCB Thickness Recommended (mm) 2.36 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  
 Polarized to Mating Part Yes



**EU RoHS**

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

**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**

[75759Series](#)

**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>

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
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

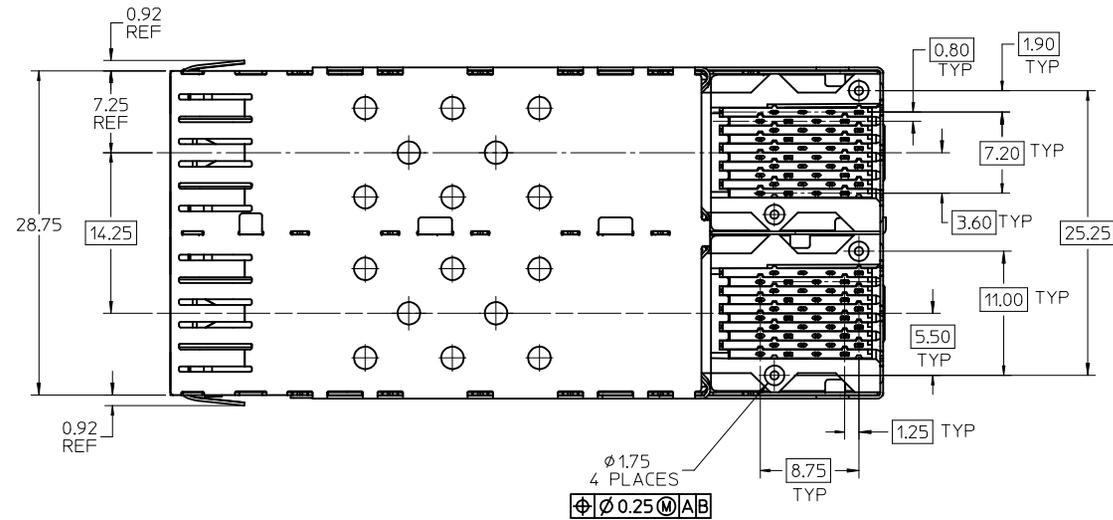
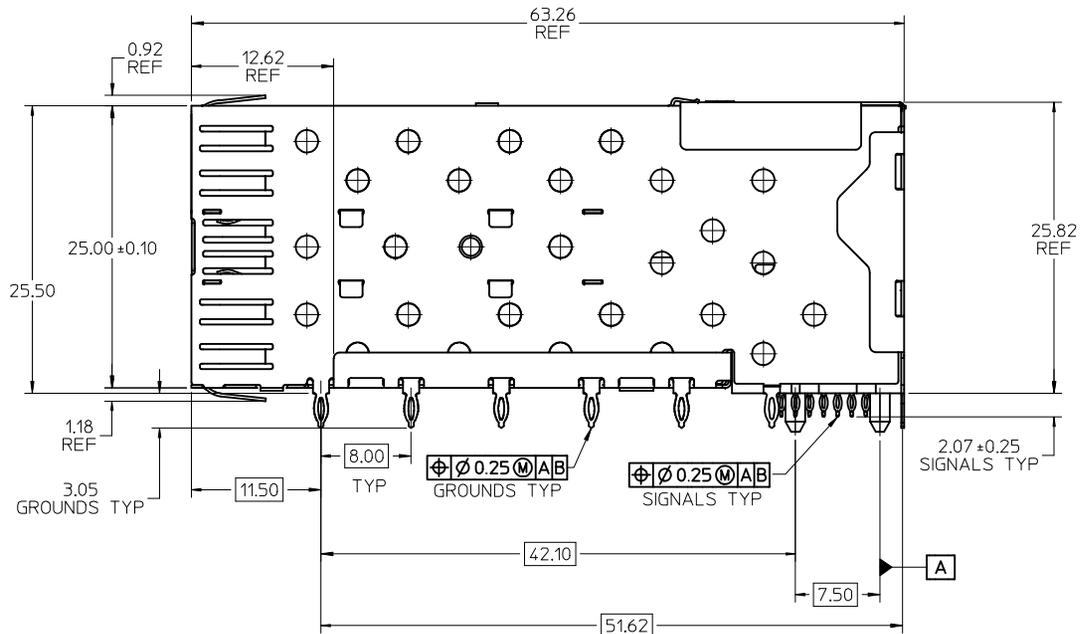
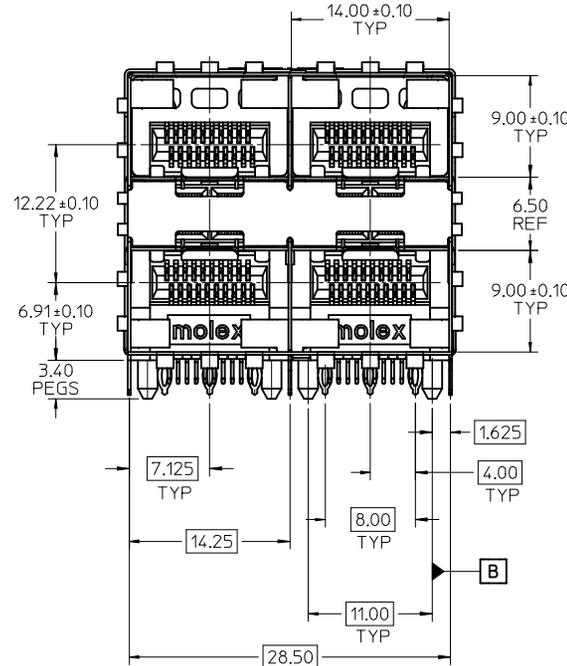
### **Material Info**

### **Reference - Drawing Numbers**

Application Specification	AS-75310-001
Packaging Specification	PK-75714-001
Product Specification	PS-75310-001
Sales Drawing	SD-75759-001

This document was generated on 05/28/2010

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- NOTES:
- MATERIAL:
    - CAGE: NICKEL SILVER, THICKNESS: 0.25mm
    - CONNECTOR HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0 COLOR: BLACK
    - OVERMOLDED TERMINAL HOUSING: GLASS FILLED HIGH TEMP PLASTIC, 94 V-0, COLOR: BLACK
    - TERMINALS: TIN BRASS
    - LIGHT PIPES: POLYCARBONITE, 94 V-0, COLOR: CLEAR
    - LIGHT PIPE HOUSING: ZINC
  - FINISH:
    - LIGHT PIPE HOUSING: 150 MICROMETERS NICKEL OVER 150 MICROMETERS COPPER
    - TERMINALS: CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD OVER 1.27 MICROMETERS NICKEL.
    - COMPLIANT TAIL - TIN/LEAD OPTION: 0.76 - 1.52 MICROMETERS 90/10 TIN/LEAD OVER 0.76 - 1.52 MICROMETERS NICKEL
    - COMPLIANT TAIL - TIN OPTION: 0.76 - 1.52 MICROMETERS TIN OVER 0.76 - 1.52 MICROMETERS NICKEL
  - REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
  - LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW-PROFILE LED PACKAGE, FOR OTHER RECOMMENDED LAYOUTS REFER TO MOLEX'S REPORT TS-75310-001.
  - REFER TO PK-75714-001 FOR ALL PACKAGING SPECIFICATIONS.
  - THE CURVED TAILS THAT GO INTO THE HOLES LOCATED BY THESE DIMENSIONS ARE BEING ELIMINATED. TO ACCOMMODATE THIS CONVERSION, IT IS RECOMMENDED THAT BOARDS DESIGNED TO THIS PRINT REVISION INCLUDE THESE HOLES.
  - PART COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE SHEET 3 SECTION Z-Z FOR SURFACE CLASSIFICATIONS. UNDERSIDE OF CAGE COMPLIES WITH CLASS "C".

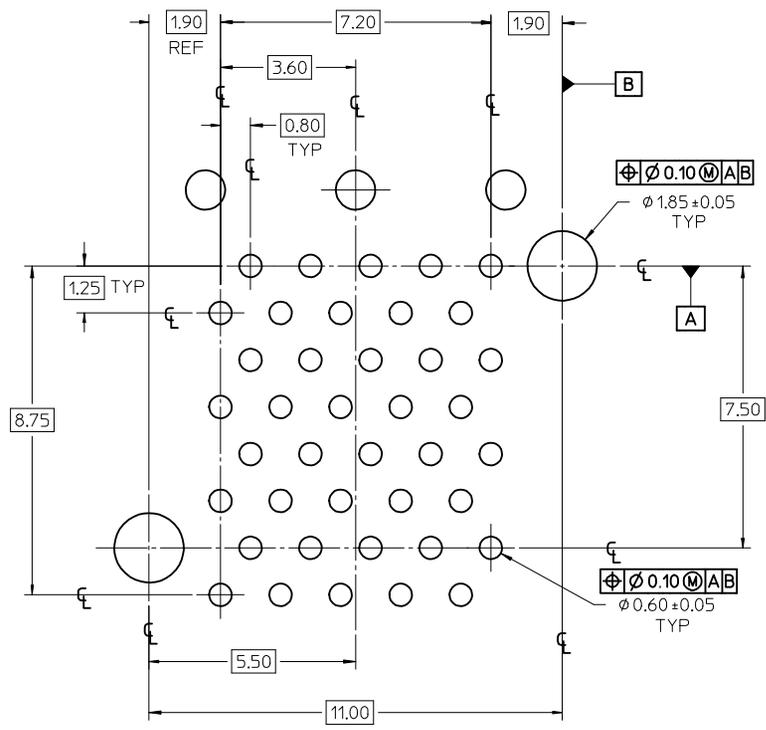
757595001	TIN
757590001	TIN / LEAD
MATERIAL NO.	TERMINAL PLATING

ADD KEEP OUT ZONES EC NO: UCP2010-0369 DRW:MSBARRA 6/9/09 CHKD:BBARKER 2009/08/26 APPR:SMILLER 2009/08/27	QUALITY SYMBOLS	DESCRIPTION
	▽=0	
	▽=0	
	REV	

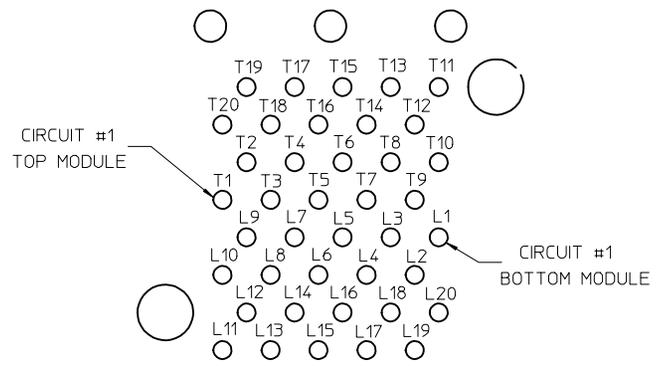
GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± --- ± ---	
3 PLACES ± --- ± ---	
2 PLACES ± 0.13 ± ---	
1 PLACE ± 0.25 ± ---	
ANGULAR ± 5 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JLONG	01-28-2005
CHECKED BY	DATE
JLONG	01-28-2005
APPROVED BY	DATE
RNELSON	02-15-2005
MATERIAL NO.	DOCUMENT NO.
SEE TABLE	

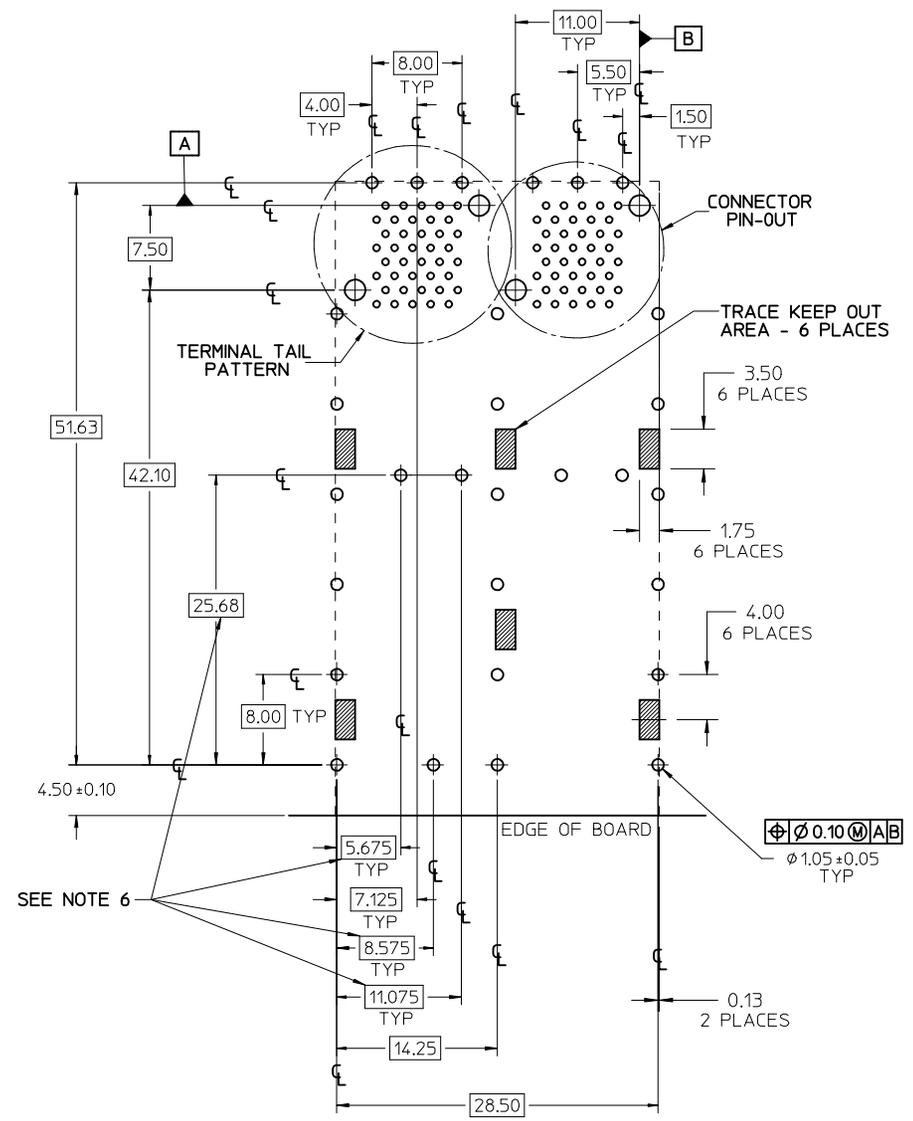
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
3:1	METRIC	☉
TITLE		
STACKED SFP 2X2 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES		
MATERIAL NO. DOCUMENT NO.		
SD-75759-001		
SHEET NO.		
1 OF 3		



TERMINAL TAIL PATTERN  
SCALE 10:1

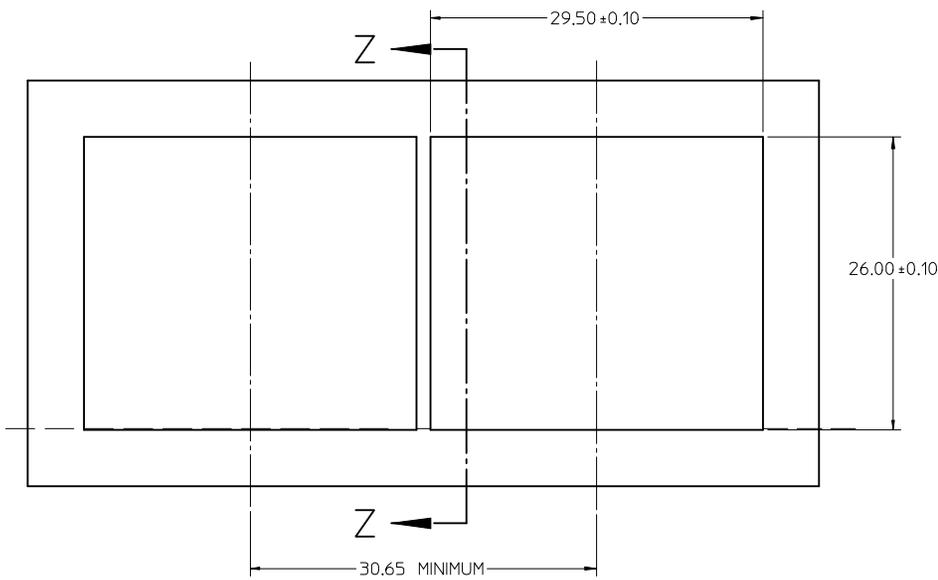


CONNECTOR PIN-OUT  
COMPONENT SIDE OF BOARD

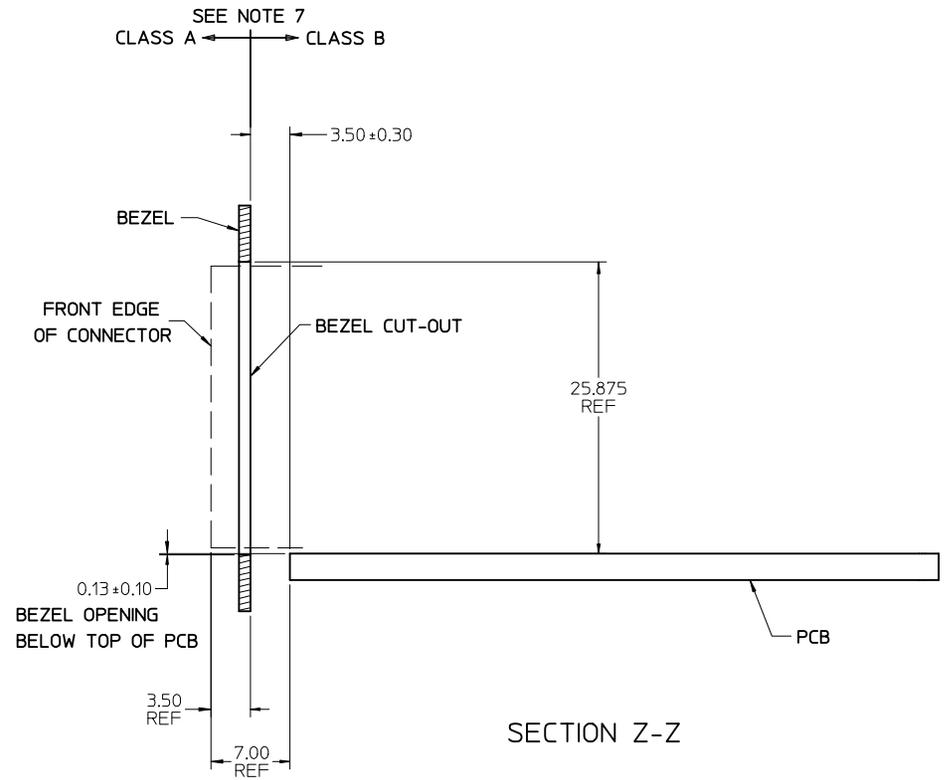


RECOMMENDED PCB LAYOUT - COMPONENT SIDE  
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)  
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT  
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS  
THIS AREA IS INDICATED BY THE DASHED LINE

<b>ADD KEEP OUT ZONES</b> EC NO: UCP2010-0369 6/9/09 IDRW:MS BARRA CHKD:BBARKER APPR:SMILLER 2009/08/26 2009/08/27	DESCRIPTION 2009/08/27	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>3:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
			mm    INCH	DRAWN BY JLONG	DATE 01-28-2005	TITLE <b>STACKED SFP 2X2 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES</b>	<b>MOLEX INCORPORATED</b>		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE TABLE		APPROVED BY RNELSON		DATE 02-15-2005	DOCUMENT NO. <b>SD-75759-001</b>	
MATERIAL NO.			SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. <b>2 OF 3</b>		



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



SECTION Z-Z

SEE SHEET 1 EC NO: UCP2010-0369 6/19/09 DRAWN:MSI BARRA CHKD:BBARKER APPR:SMILLER 2009/08/26 2009/08/27	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
		$\nabla=0$ $\nabla=0$		MM ONLY	3:1	METRIC	
			mm	DRAWN BY	DATE	TITLE	
			INCH	JLONG	01-28-2005	STACKED SFP 2X2 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES	
				CHECKED BY	DATE		
			4 PLACES ± --- ± ---	JLONG	01-28-2005	MOLEX INCORPORATED	
			3 PLACES ± --- ± ---	APPROVED BY	DATE		
			2 PLACES ± 0.13 ± ---	RNELSON	02-15-2005	DOCUMENT NO.	SHEET NO.
			1 PLACE ± 0.25 ± ---			SD-75759-001	3 OF 3
			ANGULAR ± 5 °				
			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		
				C			