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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

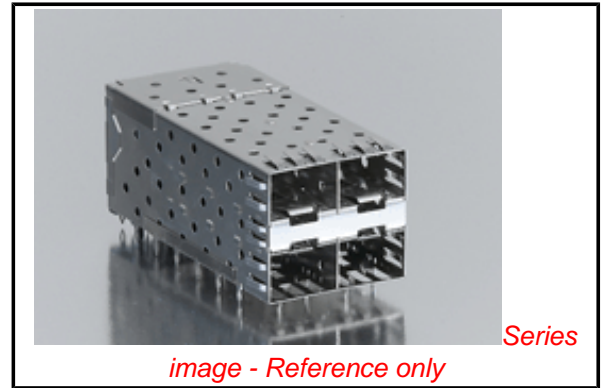
CSA LR19980
 UL E29179

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
 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	0622029970
SFP Stacked Multi-Port Extraction Tool, 2 by 2	0622029975

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

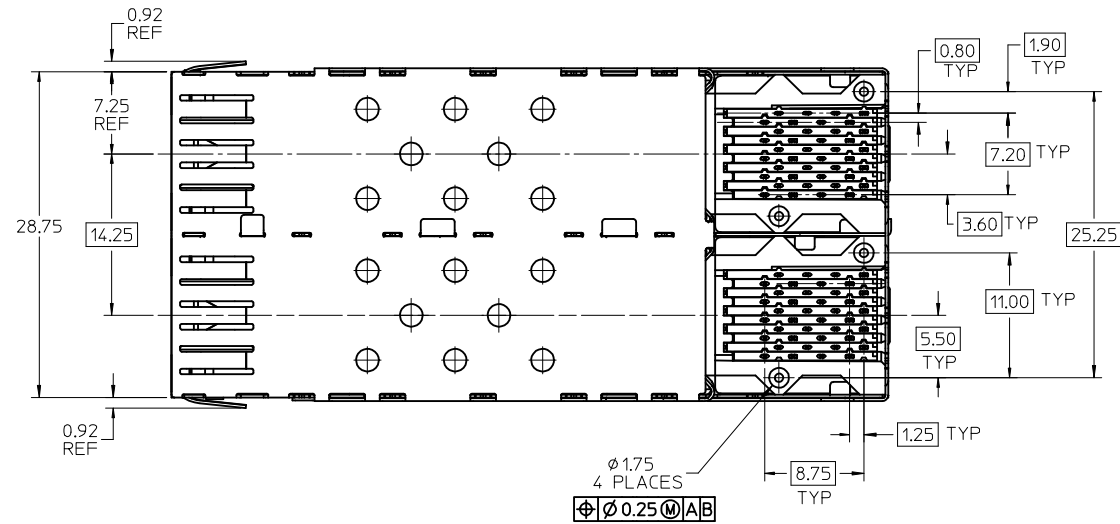
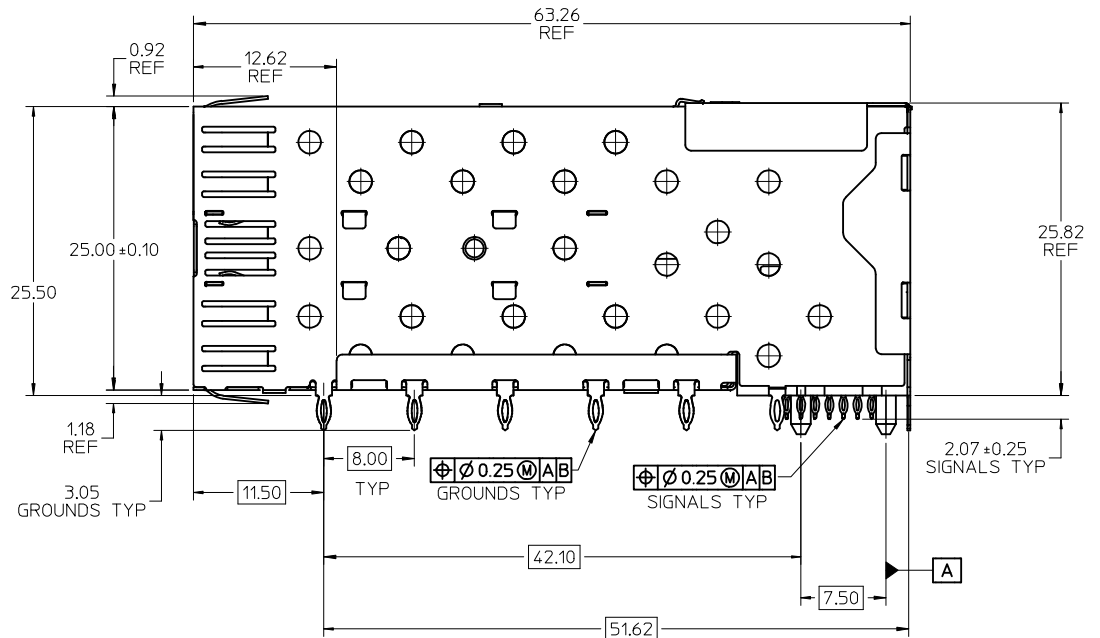
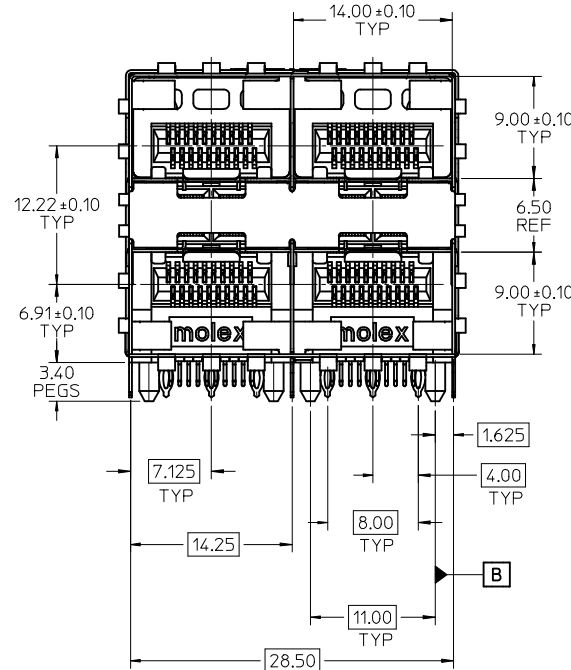
Material Info

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:
1. 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
 2. 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
 3. REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS.
 4. LIGHT PIPE PAD LAYOUT IS FOR 0805 LOW-PROFILE LED PACKAGE, FOR OTHER RECOMMENDED LAYOUTS REFER TO MOLEX'S REPORT TS-75310-001.
 5. REFER TO PK-75714-001 FOR ALL PACKAGING SPECIFICATIONS.
 6. 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.
 7. PART COMPLIES WITH COSMETIC SPECIFICATION PS-45499-002. SEE SHEET 3 SECTION Z-Z FOR SURFACE CLASSIFICATIONS. UNDERSIDE OF CAGE COMPLIES WITH CLASS "C".

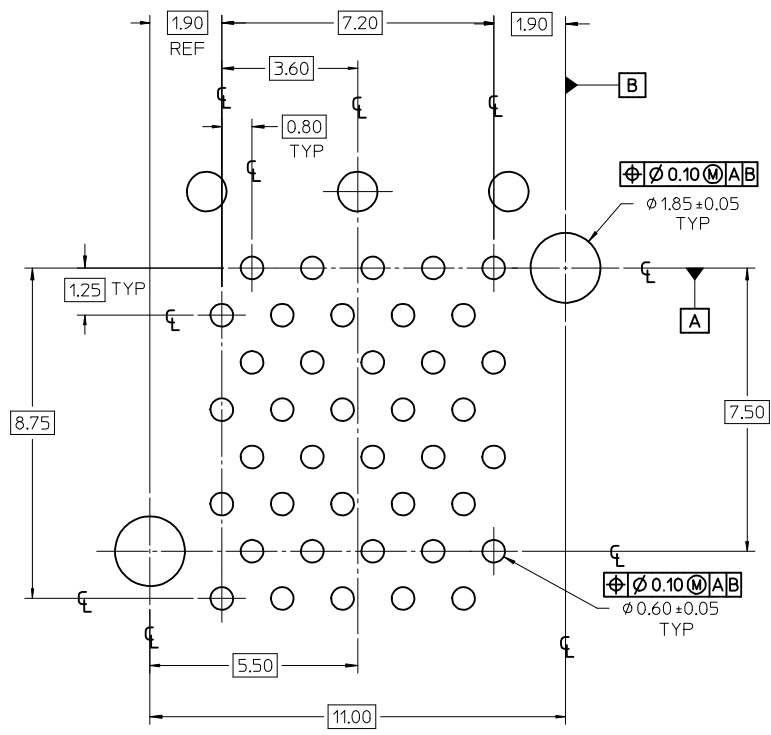
757595001	TIN
757590001	TIN / LEAD
MATERIAL NO.	TERMINAL PLATING

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	

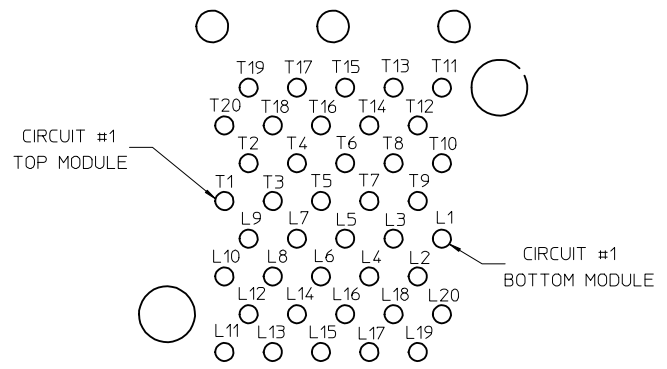
GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± --- ± ---	
3 PLACES ± --- ± ---	
2 PLACES ± 0.13 ± ---	
1 PLACE ± 0.25 ± ---	
ANGULAR ± 5 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

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

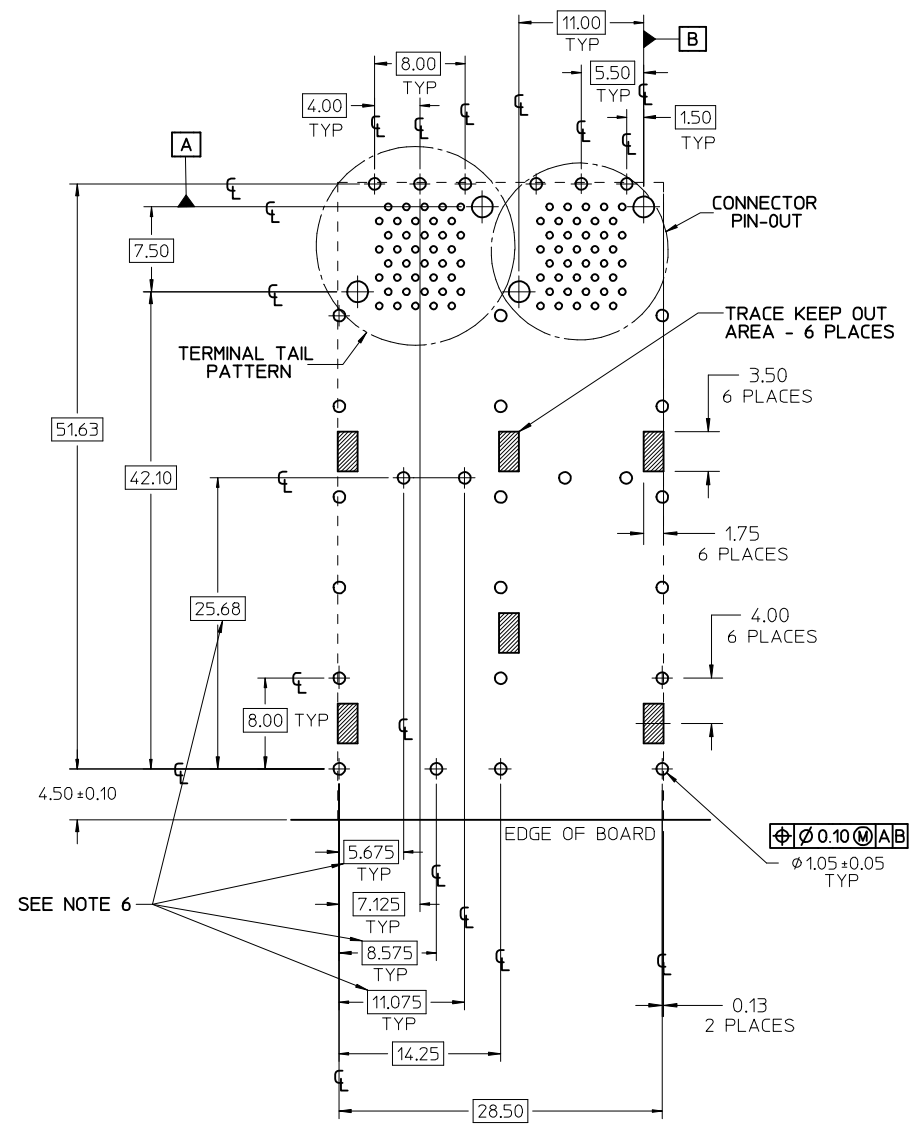
SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
3:1	METRIC	☉
TITLE		
STACKED SFP 2X2 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES		
MOLEX INCORPORATED		
SD-75759-001		SHEET NO.
		1 OF 3



TERMINAL TAIL PATTERN
SCALE 10:1

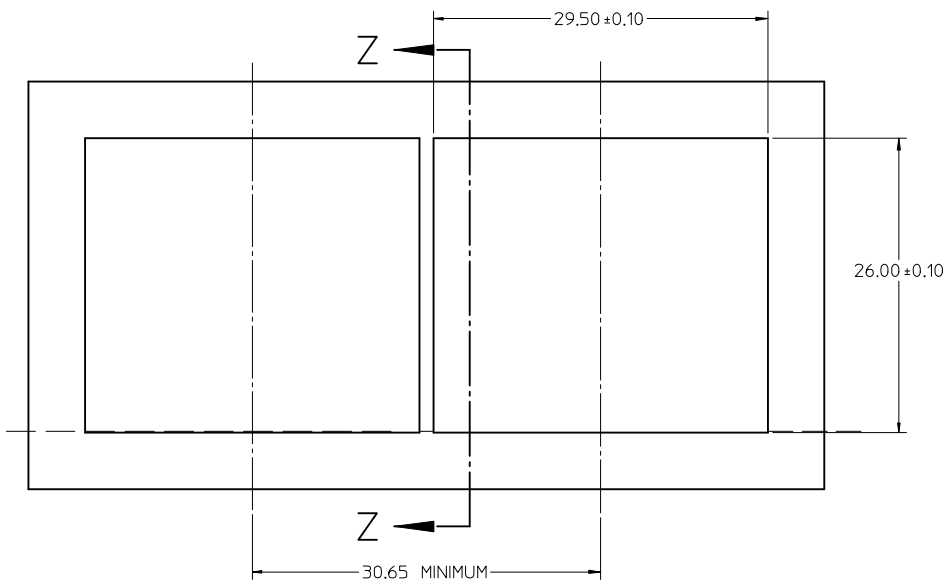


CONNECTOR PIN-OUT
COMPONENT SIDE OF BOARD

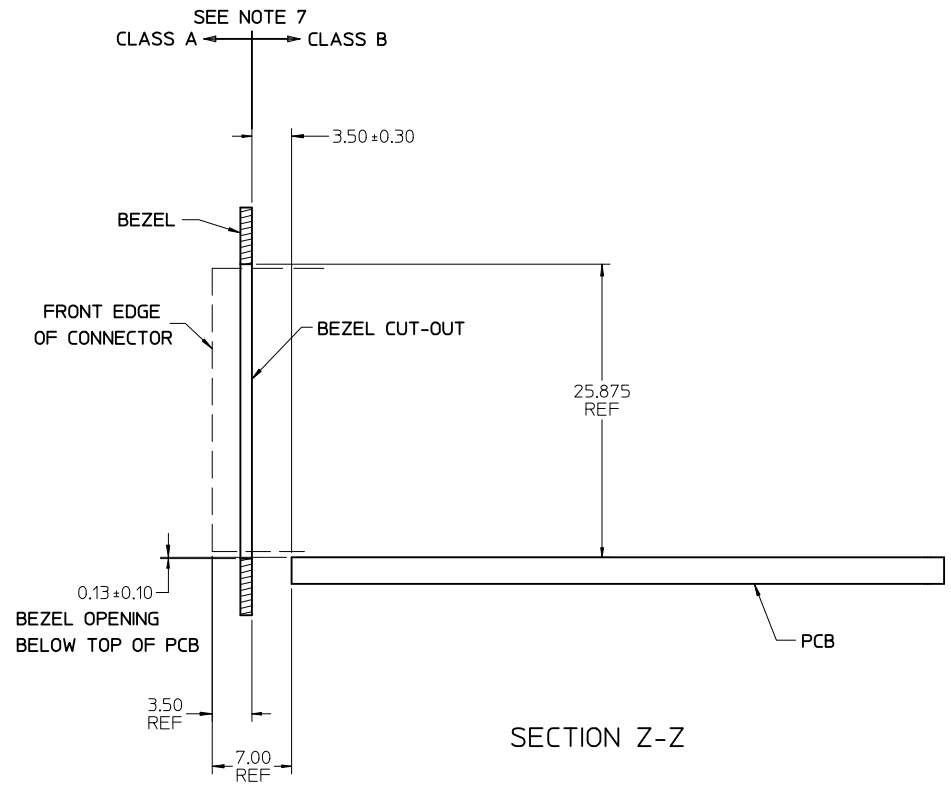


RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
THIS AREA IS INDICATED BY THE DASHED LINE

ADD KEEP OUT ZONES 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 $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm INCH	DRAWN BY JLONG	DATE 01-28-2005	STACKED SFP 2X2 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAIL WITHOUT LIGHT PIPES					
4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± ---			APPROVED BY RNELSON		DATE 02-15-2005		MOLEX MOLEX INCORPORATED		SHEET NO. 2 OF 3	
ANGULAR ± 5 °			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE		DOCUMENT NO. SD-75759-001		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	



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 BY: IBARRA CHKD: BARKER APPR: MILLER 2009/08/26 2009/08/27	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 ± ---	DRAWN BY: JLONG DATE: 01-28-2005	CHECKED BY: JLONG DATE: 01-28-2005	APPROVED BY: RNELSON DATE: 02-15-2005
REV	DESCRIPTION	ANGULAR ± 5 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE TABLE	MATERIAL NO.	DOCUMENT NO.	SHEET NO.