

Excellent Integrated System Limited

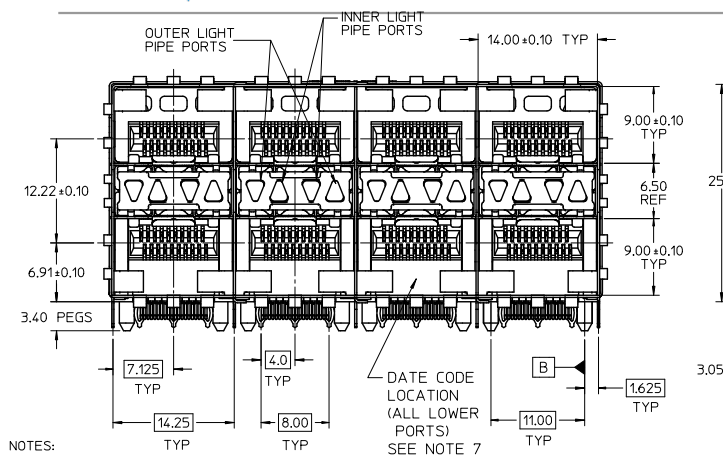
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Molex Connector Corporation](#)
[0754505003](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



NOTES:

1. MATERIAL:

CAGE: NICKEL SILVER, THICKNESS: 0.25mm
CONNECTOR HOUSING: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK
OVERMOLD TERMINAL HOUSING: GLASS FILLED LIQUID CRYSTAL POLYMER (LCP), UL 94V-0, COLOR: BLACK
TERMINALS: TIN BRASS
EMI GASKET: PHOS-BRONZE
LIGHTPIPE HOUSING: ZINC
LIGHTPIPS: POLYCARBONATE, COLOR: CLEAR

2. FINISHES:

CAGE ASSY (APPLIES TO VERSIONS WITH PLATED CAGES): 25 MICROMETERS MINIMUM MATTE NICKEL OVER 2 MICROMETERS MINIMUM COPPER.
TERMINALS: CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD OVER 1.27 MICROMETERS MINIMUM NICKEL.
COMPLIANT TAIL - MATTE TIN/LEAD OPTION: 0.76 TO 1.52 MICROMETERS 90/10 MATTE TIN-LEAD OVER 0.76 MICROMETERS MINIMUM NICKEL.
COMPLIANT TAIL - MATTE TIN OPTION: 0.76 TO 1.52 MICROMETERS MATTE TIN OVER 0.76 MICROMETERS MINIMUM NICKEL.
LIGHT PIPE HOUSING: 80 MICROMETERS MINIMUM NICKEL OVER COPPER
EMI GASKET: 2.54 MICROMETERS MINIMUM NICKEL OVERALL

3. REFER TO PS-75310-001 PRODUCT SPEC FOR ALL ELECTRICAL, MECHANICAL, AND ENVIRONMENTAL SPECIFICATIONS.

4. LIGHTPIPE 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-75450-001 FOR ALL PACKAGING SPECIFICATIONS.

6. THE SURFACES CONFORM TO THE MOLEX COSMETIC SPEC PS-45499-002. ALL EXTERIOR SURFACES TO BE CLASS 'B' SURFACE EXCEPT THE UNDERSIDE (CLASS 'C') OF THE CAGE (SIDE TOWARD THE PCB) AND AS OTHERWISE NOTED.

7. DATE CODE LOCATION IS SHOWN ABOVE.

DATE CODE FORMAT: DDDY MX A1

DDD = DAY OF THE YEAR

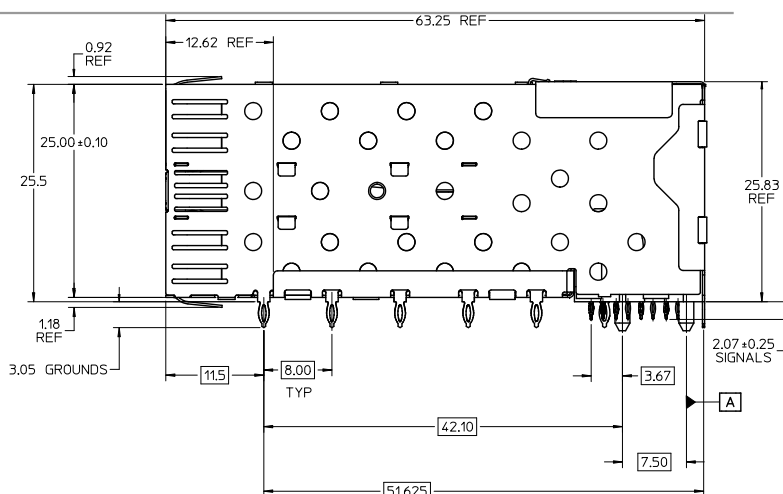
Y = YEAR

MX = MOLEX

A = ALPHA CHARACTER - INDICATES MANUFACTURING LINE

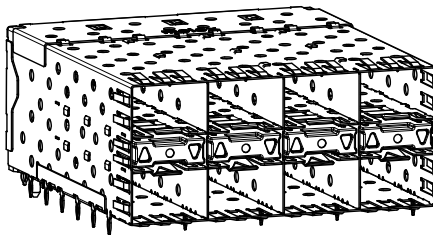
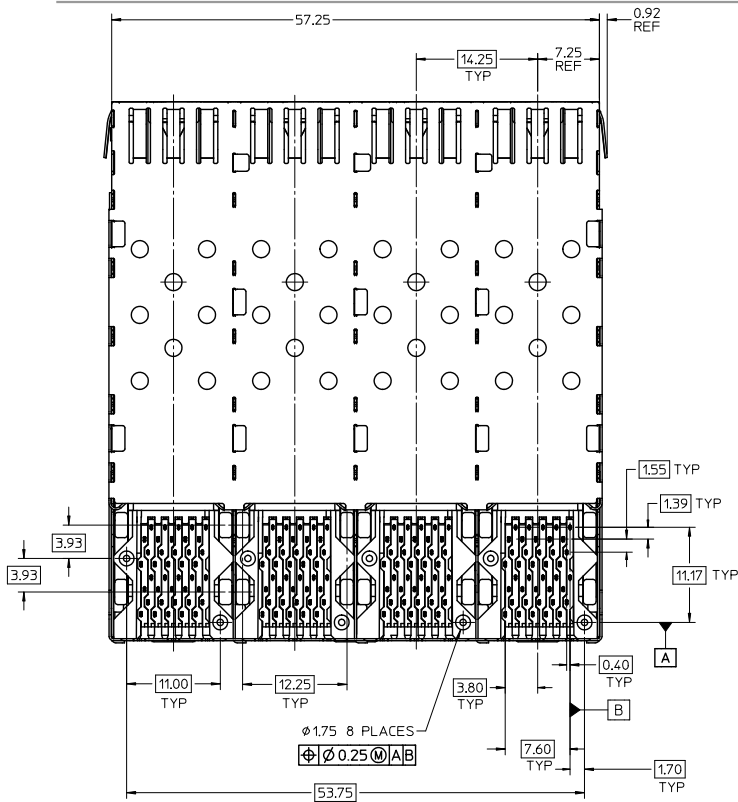
1 = NUMERIC CHARACTER - INDICATES PRODUCTION SHIFT

8. REFER TO AS-76090-001 FOR HIGH SPEED ROUTING RECOMMENDATIONS.

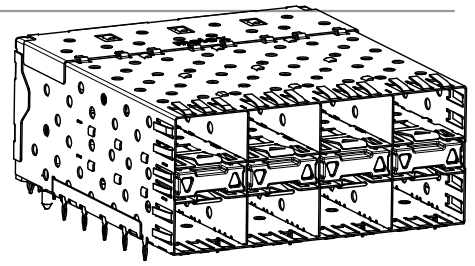


PART NUMBER	LIGHTPIPE CONFIGURATION (SEE VIEWS ON SHEET 2)	COMPLIANT TAIL PLATING	CAGE PLATING
754500001	ALL 4 PORTS	MATTE TIN-LEAD	NONE
754500002	INNER 2 PORTS	MATTE TIN-LEAD	NONE
754500003	OUTER 2 PORTS	MATTE TIN-LEAD	NONE
754501001	ALL 4 PORTS	MATTE TIN-LEAD	POST-PLATED
754505001	ALL 4 PORTS	MATTE TIN	NONE
754505002	INNER 2 PORTS	MATTE TIN	NONE
754505003	OUTER 2 PORTS	MATTE TIN	NONE
754505004	OUTER 2 PORTS - SPECIAL CONFIG	MATTE TIN	NONE

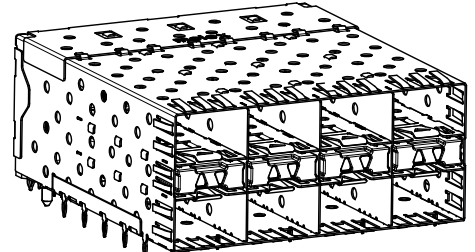
ADD 754505004 EC NO: UCP2011-2450 DRW: BARKER 2011/03/18 CHK: DMTBARRA APP: SWILLER 2011/11/09 REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 5°	DIMENSION STYLE MM ONLY DRAWN BY JLONG DATE 08-04-2004 CHECKED BY JLONG DATE 08-06-2004 APPROVED BY RNELSON DATE 02-15-2005 MATERIAL NO. DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SCALE 3:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE STACKED SFP 2X4 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAILS WITH LIGHT PIPES MOLEX INCORPORATED SD-75450-001	SHEET NO. 1 OF 5



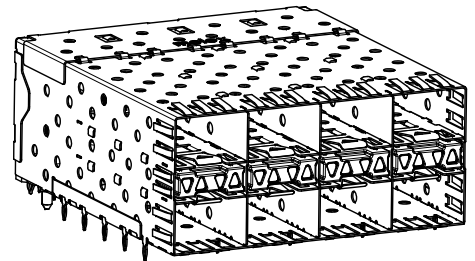
754505004
WITH OUTER LIGHTPIPES



754500003 & 754505003
WITH OUTER LIGHT PIPES

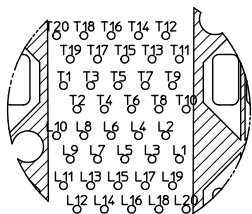


754500002 & 754505002
WITH INNER LIGHT PIPES

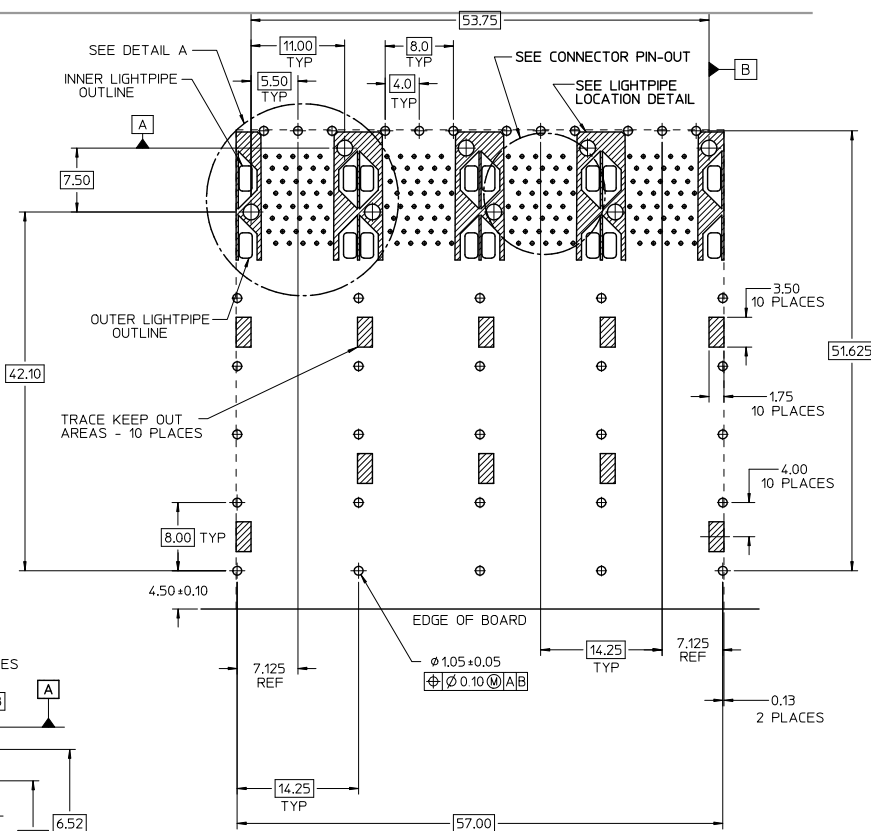
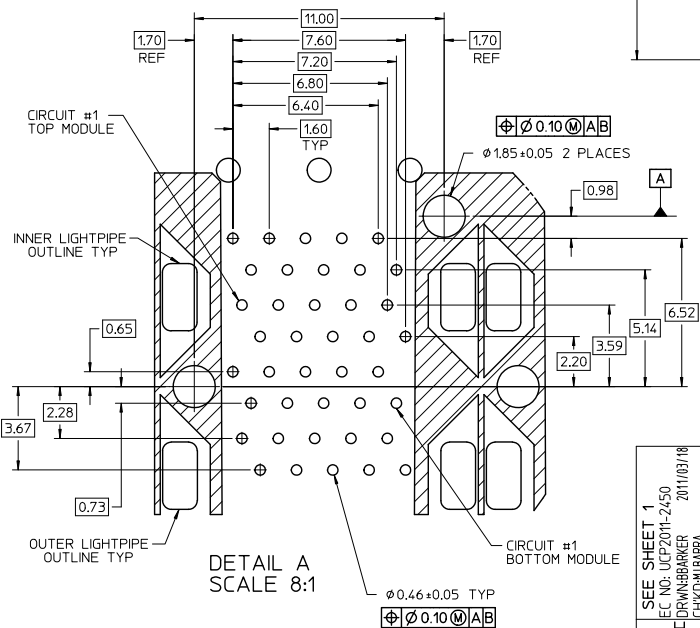


754500001, 754501001 & 754505001
WITH INNER/OUTER LIGHT PIPES

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	SHEET NO.
			mm	INCH	MM ONLY	DATE					
1	4 PLACES	▽=0	± .005	± .0004	JLONG	08-04-2004	3:1	METRIC	⊙	STACKED SFP 2X4 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAILS WITH LIGHT PIPES	2 OF 5
2	3 PLACES	▽=0	± .005	± .0004	JLONG	08-06-2004					
3	2 PLACES	▽=0	± .013	± .0005	JLONG	08-06-2004					
4	1 PLACE	▽=0	± .025	± .0010	JLONG	02-15-2005					
			ANGULAR ± 5 °								
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
			MATERIAL NO.		SEE SHEET 1		DOCUMENT NO.		SD-75450-001		
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		MOLEX INCORPORATED						



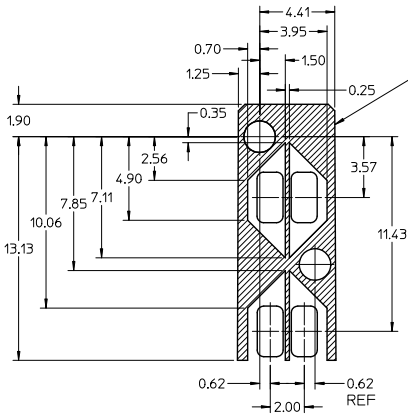
CONNECTOR PIN-OUT
SCALE 6:1



RECOMMENDED PCB LAYOUT - COMPONENT SIDE
RECOMMENDED PCB THICKNESS - 2.36 MM (.093 INCH)

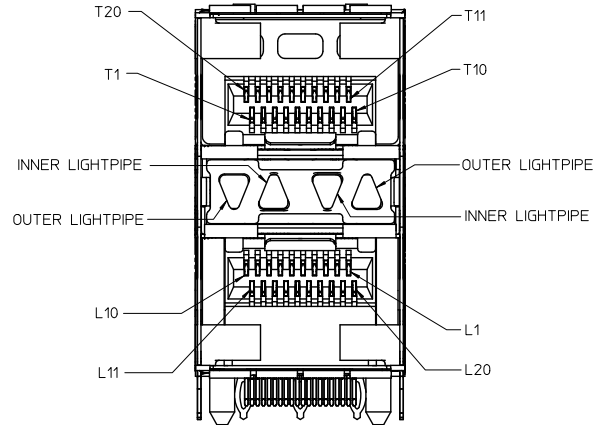
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA FOR COMPONENTS
(OTHER THAN LIGHT PIPE LED'S).
THIS AREA IS INDICATED BY THE DASHED LINE

SEE SHEET 1 EC NO: UCP2011-2450 DRAWN BY: CHIKHIMBARA APPROVED BY: MILLER 2011/03/18 2011/11/09 DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm INCH		DRAWN BY DATE		TITLE			
		4 PLACES ± ± ---		JLONG 08-04-2004		STACKED SFP 2X4 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAILS WITH LIGHT PIPES			
		3 PLACES ± ± ---		CHECKED BY DATE					
		2 PLACES ± 0.13		JLONG 08-06-2004					
		1 PLACE ± 0.25		APPROVED BY DATE					
		ANGULAR ± 5 °		RNELSON 02-15-2005		MOLEX MOLEX INCORPORATED			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
				SEE SHEET 1		SD-75450-001		3 OF 5	
				SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



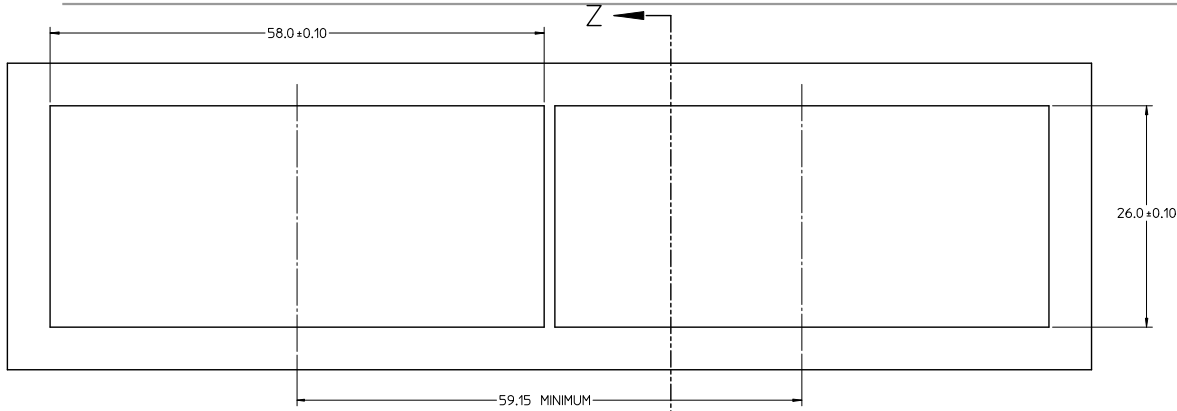
DETAIL - LIGHT PIPE LOCATION AND OTHER ZONES
SCALE 6:1

THE HATCHED AREA IN THIS VIEW INDICATES ZONES THAT ARE OCCUPIED BY THE PLASTIC HOUSING THAT SEATS AGAINST THE PCB AND BY THE VERTICAL METAL CAGE WALL THAT STOPS JUST SHORT OF THE PCB

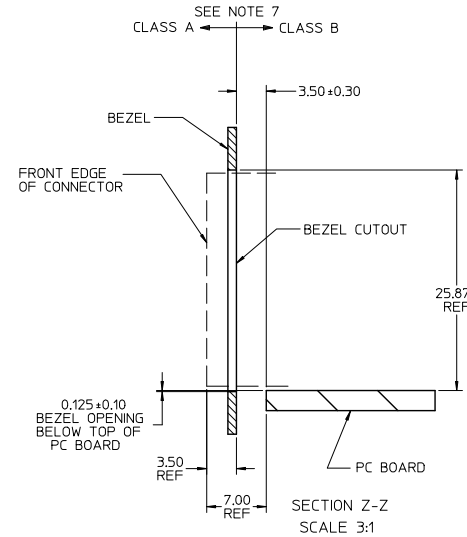


DETAIL B
SCALE 5:1
CIRCUIT NUMBERING
AND LIGHTPIPE
IDENTIFICATION

REV	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	TITLE	MOLEX INCORPORATED	SHEET NO. 4 OF 5
			mm	INCH	MM ONLY	DATE	3:1	METRIC				
1	4 PLACES ± 0.25	▽=0	± 0.25	± 0.010	JLONG	08-04-2004				STACKED SFP 2X4 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAILS WITH LIGHT PIPES		
2	3 PLACES ± 0.13	▽=0	± 0.13	± 0.005	JLONG	08-06-2004						
3	2 PLACES ± 0.13	▽=0	± 0.13	± 0.005	JLONG	08-06-2004						
4	1 PLACE ± 0.25	▽=0	± 0.25	± 0.010	JLONG	08-06-2004						
5	ANGULAR ± 5 °	▽=0	± 5 °	± 0.005	JLONG	08-06-2004						
6	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											
7	SEE SHEET 1											
8	EC NO: UCP2011-2450											
9	DRWNBARKER 2011/03/18											
10	CHKDMMBARA											
11	APPR:SMILLER 2011/11/09											
12	Rev. F 2009/06/18											



BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8-2.6



SEE SHEET 1 EC NO. UCP2014-2450 DRAWN BY: DWAN BAKER 2011/03/18 CHKD BY: APRIL IBARRA 2011/11/09 APPROV: MILLER	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	STACKED SFP 2X4 MEDIUM HEIGHT ASS'Y, PRESS-FIT TAILS WITH LIGHT PIPES MOLEX INCORPORATED	
	   	mm INCH	DRAWN BY DATE	TITLE						
		4 PLACES ± --- ± ---	JLONG	08-04-2004						
		3 PLACES ± --- ± ---	CHECKED BY	DATE						
		2 PLACES ± 0.13 ± ---	JLONG	08-06-2004						
		1 PLACE ± 0.25 ± ---	APPROVED BY	DATE						
	ANGULAR ± 5 °		RNELSON	02-15-2005	MOLEX					
			MATERIAL NO.	DOCUMENT NO.						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 1			SD-75450-001				SHEET NO. 5 OF 5
	REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								