

NOTES:

1. THIS LIGHT PIPE ASSEMBLY TO BE USED WITH THE FOLLOWING 1X6 SFP CAGE ASSEMBLIES:

747470001 - 1X6 SFP CAGE ASSEMBLY, W/ PRESS FIT PINS, W/ 0.090 GASKET (REFER TO DOCUMENT SD-74747-001)

747470003 - 1X6 SFP CAGE ASSEMBLY, W/ SPRING FINGER GASKET. (REFER TO DOCUMENT SD-74747-003)

2. IT IS RECOMMENDED THAT THE CAGE ASSEMBLY BE PRESSED INTO THE PCB PRIOR TO ASSEMBLING THE LIGHT PIPE ASSEMBLY.

3. LED'S TO HAVE A MAXIMUM HEIGHT OF 1.4mm AND A MINIMUM HEIGHT OF 0.7mm.

4. RECOMMENDED LED'S INCLUDE THE FOLLOWING MANUFACTURERS:

DIALIGHT: 597-77x1-5xx SERIES

CHICAGO MINIATURE: 7016 SERIES

KINGBRIGHT: APBL3025 SERIES (BICOLOR)  
APL3015 SERIES (SINGLE COLOR)

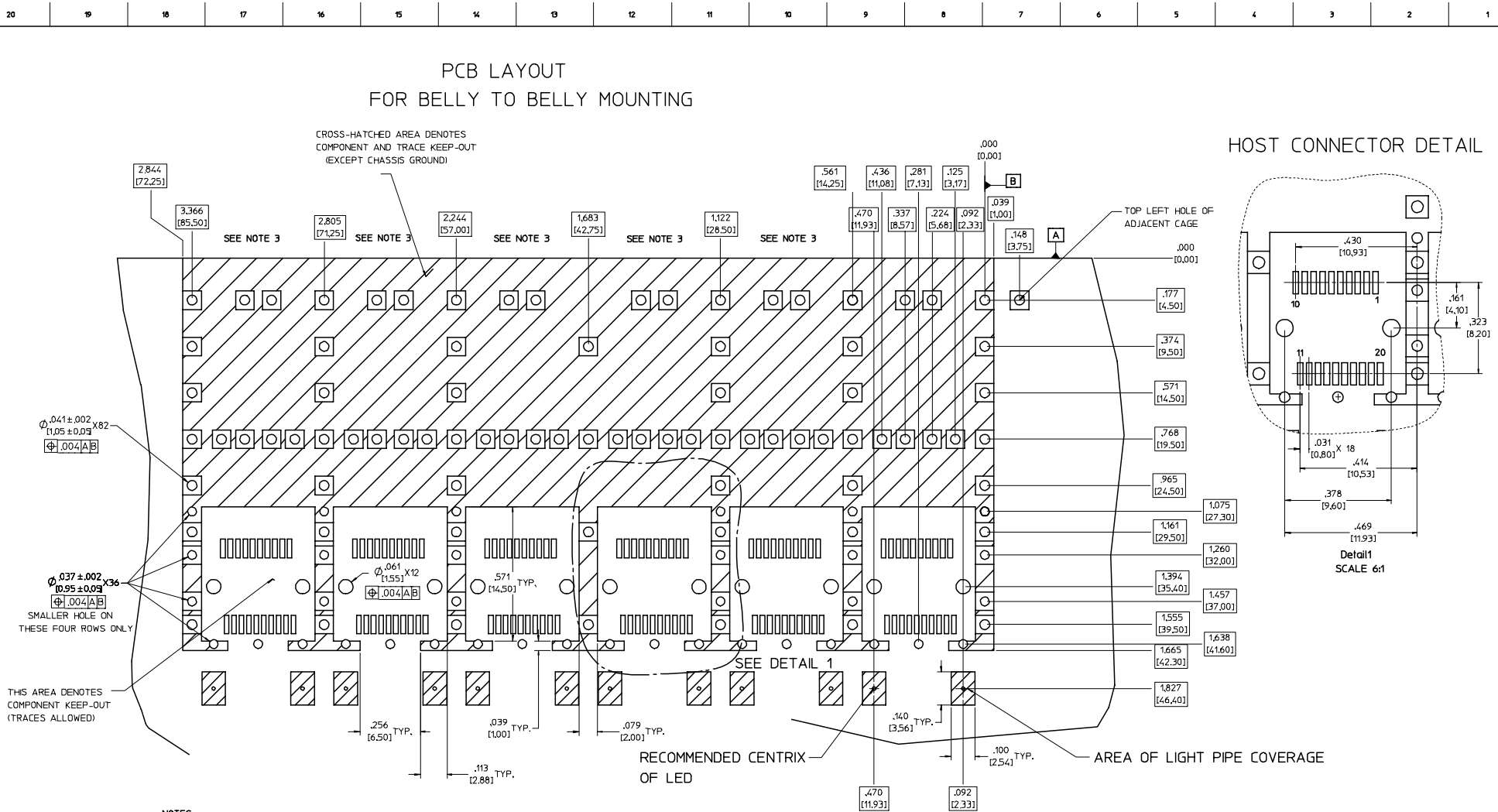
5. THIS PART MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS) DIRECTIVE (2002/95/EC).

<b>ENTER DESCRIPTION</b> EC NO: UST2006-0008 DORWANSI MONSON 2005/07/15 CHFKBRUSSELL 2005/07/15 APPR:BRUSSELL 2005/07/25	<b>QUALITY SYMBOLS</b> 	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> IN/MM		<b>SCALE</b> 3:1	<b>DESIGN UNITS</b> METRIC	<b>THIRD ANGLE PROJECTION</b>
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	mm INCH	DRAWN BY KS IMONSO	DATE 2004/07/08	TITILE 1X6 SFP LIGHT PIPE ASSEMBLY, BACK-TOP, LOW PROFILE		
<b>REV</b> DESCRIPTION	<b>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</b>		MATERIAL NO. 747480002	APPROVED BY BRUSSELL	DATE 2004/07/08	DOCUMENT NO. SD-74748-002	SHEET NO. 1 OF 5	<b>MOLEX INCORPORATED</b>
	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

# PCB LAYOUT FOR BELLY TO BELLY MOUNTING

CROSS-HATCHED AREA DENOTES  
COMPONENT AND TRACE KEEP-OUT  
(EXCEPT CHASSIS GROUND)

## HOST CONNECTOR DETAIL



$\varnothing .041 \pm .002$  X82  
(1.05 ± 0.05)  
[.004]A[B]

$\varnothing .037 \pm .002$  X36  
(0.95 ± 0.05)  
[.004]A[B]  
SMALLER HOLE ON  
THESE FOUR ROWS ONLY

THIS AREA DENOTES  
COMPONENT KEEP-OUT  
(TRACES ALLOWED)

- NOTES:**
1. PADS AND VIAS GO TO CHASSIS GROUND.
  2. CAGE MOUNTING THRU HOLES (94 PLACES) TO BE PLATED.  
SPACING BETWEEN PORTS IS 5.61 [14.25]

RECOMMENDED CENTRIX  
OF LED

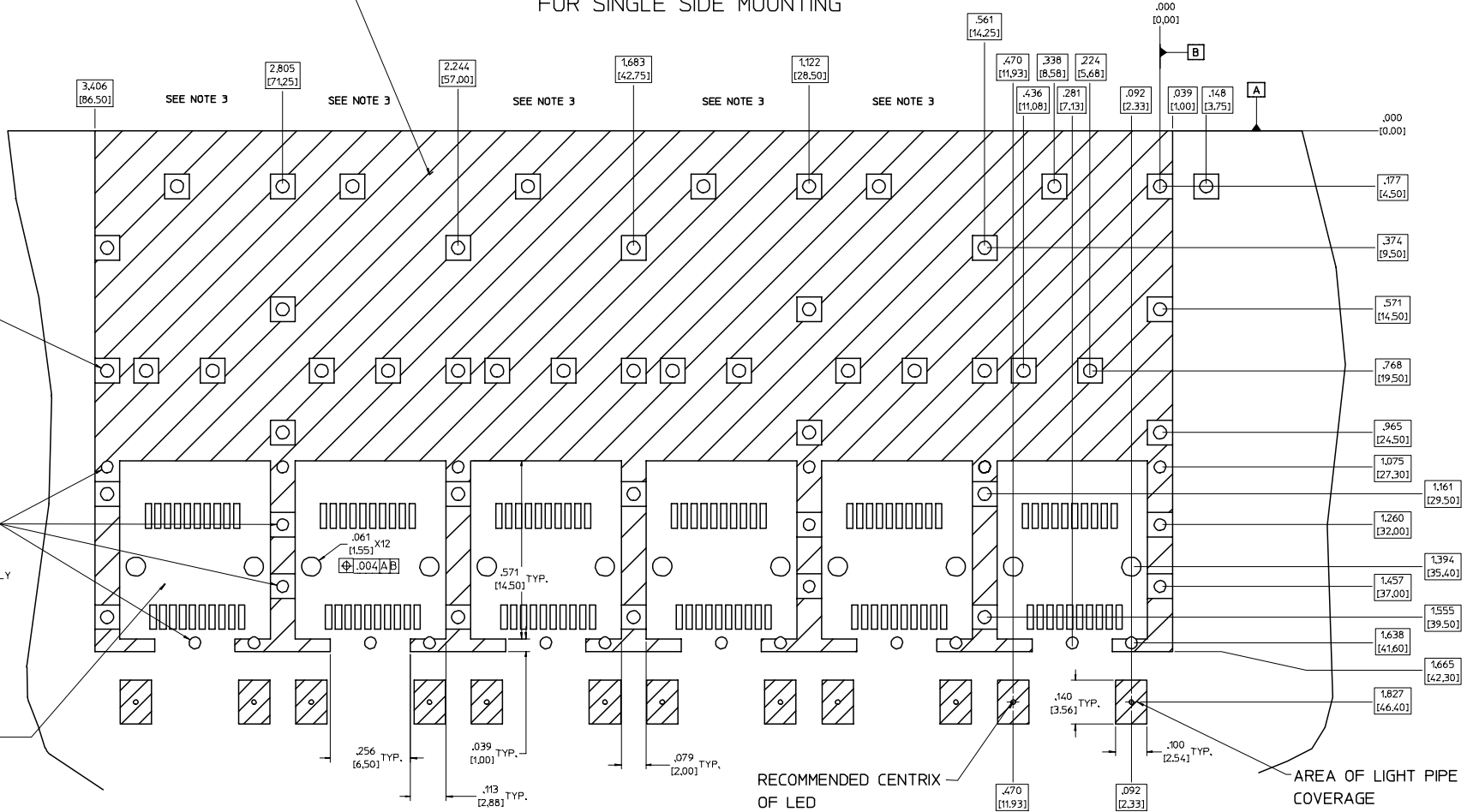
AREA OF LIGHT PIPE COVERAGE

Detail1  
SCALE 6:1

<b>ENTER DESCRIPTION</b> EC NO: UST2006-0008 DRAWN BY: JORWANSI MONSON 2005/07/15 CHECKED BY: CHUCK BRUSSELL 2005/07/15 APPR: BRUSSELL 2005/07/25 REV DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	IN/MM	5:1	METRIC	TITLE 1X6 SFP LIGHT PIPE ASSEMBLY, BACK-TOP, LOW PROFILE MOLEX INCORPORATED
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO: 747480002	DRAWN BY: KS IMONSO 2004/07/08	DATE: 2004/07/08	DOCUMENT NO: SD-74748-002	SHEET NO: 2 OF 5
	SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CHECKED BY: BRUSSELL 2004/07/08	DATE: 2004/07/08		

# PCB LAYOUT FOR SINGLE SIDE MOUNTING

CROSS-HATCHED AREA DENOTES  
COMPONENT AND TRACE KEEP-OUT  
(EXCEPT CHASSIS GROUND)



$\varnothing .041 \pm .002$   
[1.05 ± 0.05]  
X43  
Φ .004 [A/B]

$\varnothing .037 \pm .002$   
[0.95 ± 0.05]  
X24  
Φ .004 [A/B]  
SMALLER HOLE ON  
THESE FOUR ROWS ONLY

THIS AREA DENOTES  
COMPONENT KEEP-OUT  
(TRACES ALLOWED)

- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND.
  2. GAGE MOUNTING THRU HOLES (49 PLACES) TO BE PLATED.
  3. HOLE PATTERN REPEATS FOR EACH PORT.  
SPACING BETWEEN PORTS IS 14.25mm.

RECOMMENDED CENTRIX  
OF LED

AREA OF LIGHT PIPE  
COVERAGE

<b>ENTER DESCRIPTION</b> EC NO: UST2006-0008 DRAWN BY: JORWANKS MONSON 2005/07/15 CHECKED BY: CHFKBRUSSELL 2005/07/15 APPR: BRUSSELL 2005/07/25	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	$\nabla=0$ $\nabla=0$	mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	IN/MM DRAWN BY: KS IMONSO 2004/07/08 CHECKED BY: BRUSSELL 2004/07/08 APPROVED BY: BRUSSELL 2004/07/08	6:1	METRIC	TITLE: 1X6 SFP LIGHT PIPE ASSEMBLY, BACK-TOP, LOW PROFILE MOLEX INCORPORATED
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO: 747480002	DOCUMENT NO: SD-74748-002	SHEET NO: 3 OF 5		
	SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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


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C

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A

DATE	REV	CHANGES	COMMENTS
2004/04/15	1	PRELIMINARY DOCUMENT	N/A
2004/07/08	A	INITIAL RELEASE	N/A
2005/06/03	B	CORRECTED P/N FOR DIALIGHT LED	DOCUMENT CHANGE ONLY
2005/06/10	C	UPDATED VIEWS TO SHOW CLEARANCE HOLES ADDED TO THE COVER	N/A

<b>ENTER DESCRIPTION</b> EC NO: UST2006-0008 DRAWN BY: JORWANKI MONSON 2005/07/15 CHECKED BY: CHFKO BRUSSELL 2005/07/15 APPR: BRUSSELL 2005/07/25	<b>QUALITY SYMBOLS</b>  = 0  = 0.05	<b>GENERAL TOLERANCES (UNLESS SPECIFIED)</b>		<b>DIMENSION STYLE</b> IN/MM		SCALE 1:1	DESIGN UNITS METRIC	 <b>THIRD ANGLE PROJECTION</b>
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± ---	mm INCH	DRAWN BY KS IMONSO	DATE 2004/07/08	TITLE 1X6 SFP LIGHT PIPE ASSEMBLY, BACK-TOP, LOW PROFILE		
		ANGULAR ± 1 °		CHECKED BY BRUSSELL	DATE 2004/07/08	MOLEX INCORPORATED		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY BRUSSELL	DATE 2004/07/08	MATERIAL NO. 747480002	DOCUMENT NO. SD-74748-002	

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1