

NOTES:

- THIS LIGHT PIPE ASSEMBLY TO BE USED WITH THE FOLLOWING 1X5 SFP CAGE ASSEMBLIES:

747230001 - 1X5 SFP CAGE ASSEMBLY W/ PRESS FIT PINS (REFER TO DOCUMENT SD-74723-001)
- IT IS RECOMMENDED THAT THE CAGE ASSEMBLY BE PRESSED INTO THE PCB PRIOR TO ASSEMBLING THE LIGHT PIPE ASSEMBLY.
- LED'S TO HAVE A MAXIMUM HEIGHT OF 1.4mm AND A MINIMUM HEIGHT OF 0.7mm.
- 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).

ENTER DESCRIPTION EC NO: UST2006-0008 DRAWN BY: JORWANKS MONSON 2005/07/15 CHECKED BY: CHUCK BRUSSELL 2005/07/15 APPR: BRUSSELL 2005/07/25 DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION													
	$\nabla=0$ $\nabla=0$	<table border="1"> <tr><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES ± .005</td><td>± .005</td></tr> <tr><td>3 PLACES ± .013</td><td>± .01</td></tr> <tr><td>2 PLACES ± 0.25</td><td>± .01</td></tr> <tr><td>1 PLACE ± 0.25</td><td>± .01</td></tr> <tr><td>ANGULAR</td><td>± 1 °</td></tr> </table>	mm	INCH	4 PLACES ± .005	± .005	3 PLACES ± .013	± .01	2 PLACES ± 0.25	± .01	1 PLACE ± 0.25	± .01	ANGULAR	± 1 °	IN/MM 4:1	METRIC	DRAWN BY: KS IMONSO 2004/07/08 CHECKED BY: BRUSSELL 2004/07/08 APPROVED BY: BRUSSELL 2004/07/08	TITLE: 1X5 SFP LIGHT PIPE ASSEMBLY, BACK-TOP MOLEX INCORPORATED	SHEET NO: 1 OF 5
	mm	INCH																	
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO: 747290001	DOCUMENT NO: SD-74729-001	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
SIZE: D																			

PCB LAYOUT FOR SINGLE SIDE MOUNTING

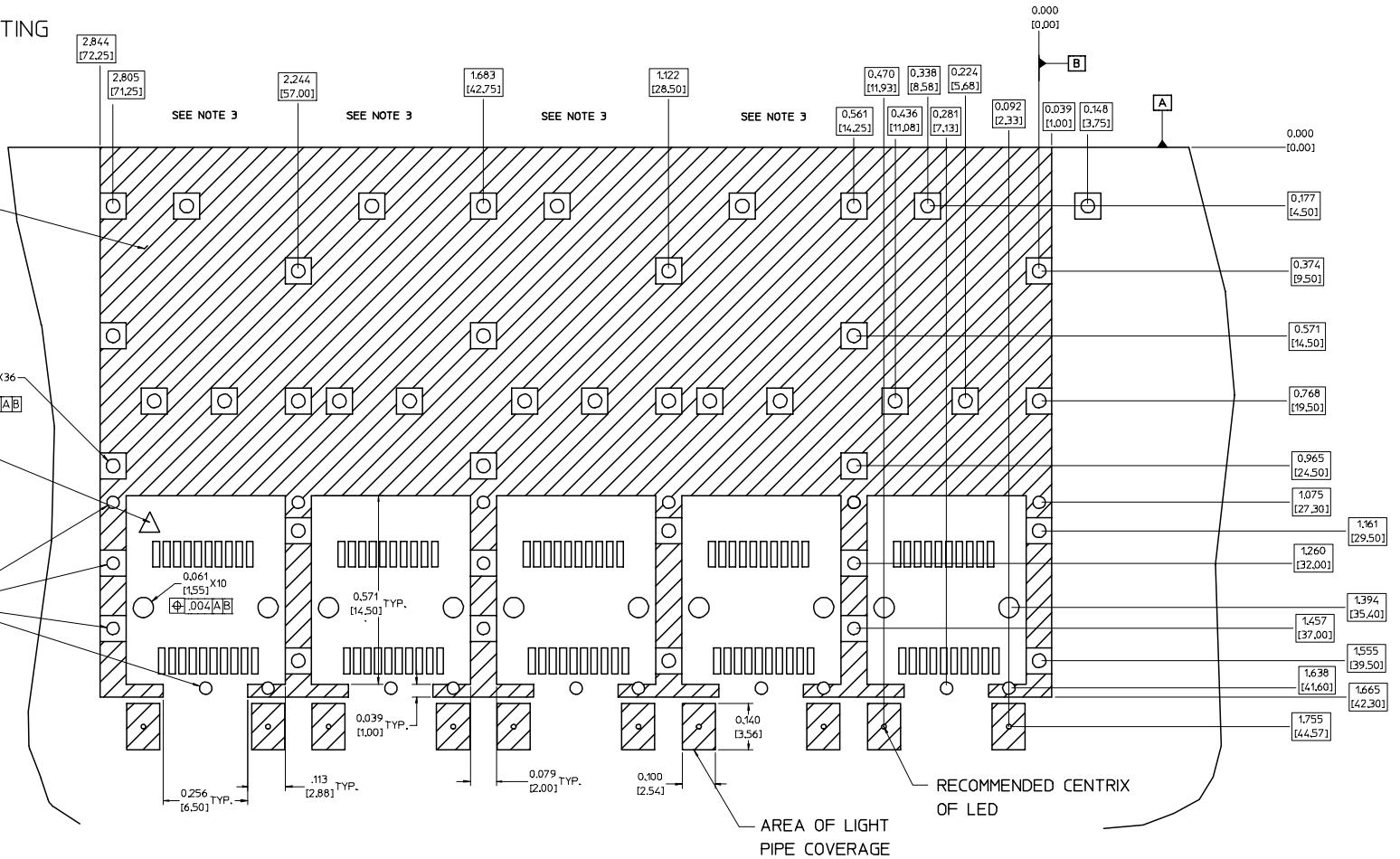
CROSS-HATCHED AREA DENOTES
COMPONENT AND TRACE KEEP-OUT
(EXCEPT CHASSIS GROUND)

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

SMALLER HOLE ON
THESE FOUR ROWS ONLY

NOTES:

1. PADS AND VIAS GO TO CHASSIS GROUND.
2. CAGE MOUNTING THRU HOLES (42 PLACES) TO BE PLATED.
3. HOLE PATTERN REPEATS FOR EACH PORT.
SPACING BETWEEN PORTS IS .561 (14.25).



ENTER DESCRIPTION EC NO: UST2006-0008 DRINKS/ROBINSON 2005/07/15 CHK:BRUSSELL 2005/07/15 APPR:BRUSSELL 2005/07/25	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES ±</td> <td>±.005</td> <td>±.005</td> </tr> <tr> <td>3 PLACES ±</td> <td>±.01</td> <td>±.01</td> </tr> <tr> <td>2 PLACES ±</td> <td>±.025</td> <td>±.01</td> </tr> <tr> <td>1 PLACE ±</td> <td>±.025</td> <td>±.01</td> </tr> <tr> <td colspan="3">ANGULAR ± 1°</td> </tr> </table>		mm	INCH	4 PLACES ±	±.005	±.005	3 PLACES ±	±.01	±.01	2 PLACES ±	±.025	±.01	1 PLACE ±	±.025	±.01	ANGULAR ± 1°			DIMENSION STYLE IN/MM	SCALE 6:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
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DESCRIPTION DRAWN BY: KS IMONSO CHECKED BY: BRUSSELL APPROVED BY: BRUSSELL	DATE 2004/07/08 2004/07/08 2004/07/08	TITLE 1X5 SFP LIGHT PIPE ASSEMBLY, BACK-TOP	MATERIAL NO. 747290001	DOCUMENT NO. SD-74729-001	MOLEX INCORPORATED	SHEET NO. 3 OF 5																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																								
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


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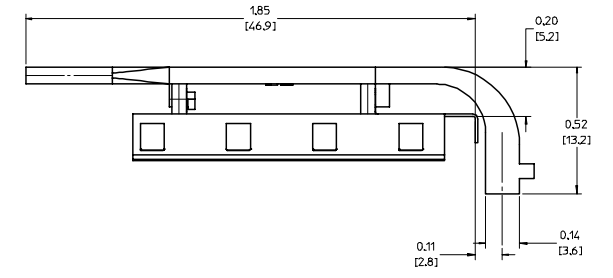
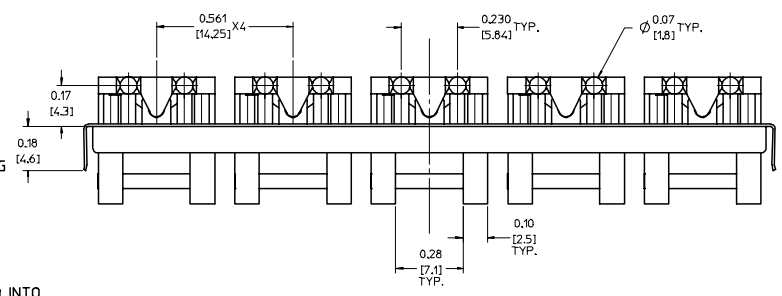
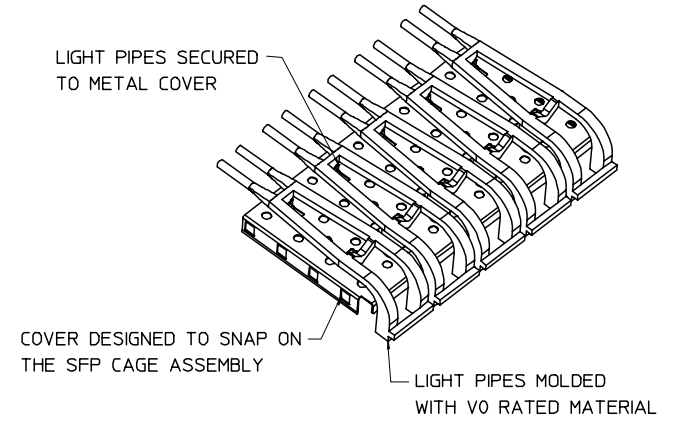
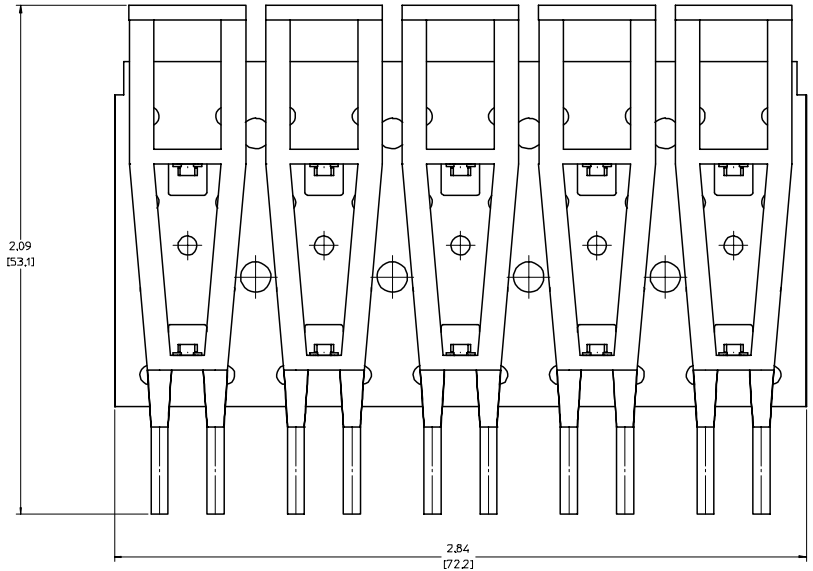
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DATE	REV	CHANGES	COMMENTS
2004/07/08	A	INITIAL RELEASE	N/A
2005/06/03	B	CORRECTED P/N FOR DIALIGHT LED	DOCUMENT CHANGE ONLY
2005/06/10	C	UPDATED VIEWS TO SHOW CLEARANCE HOLES ADDED TO THE COVER	N/A

ENTER DESCRIPTION EC NO: UST2006-0008 DRAWN BY: JORWANKI MONSON 2005/07/15 CHECKED BY: CHFKBRUSSELL 2005/07/15 APPR: BRUSSELL 2005/07/25	QUALITY SYMBOLS  = 0  = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	
		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 1X5 SFP LIGHT PIPE ASSEMBLY, BACK-TOP			
		ANGULAR ± 1 °		CHECKED BY BRUSSELL	DATE 2004/07/08	APPROVED BY BRUSSELL			DATE 2004/07/08
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 747290001	DOCUMENT NO. SD-74729-001	MOLEX INCORPORATED			SHEET NO. 5 OF 5

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



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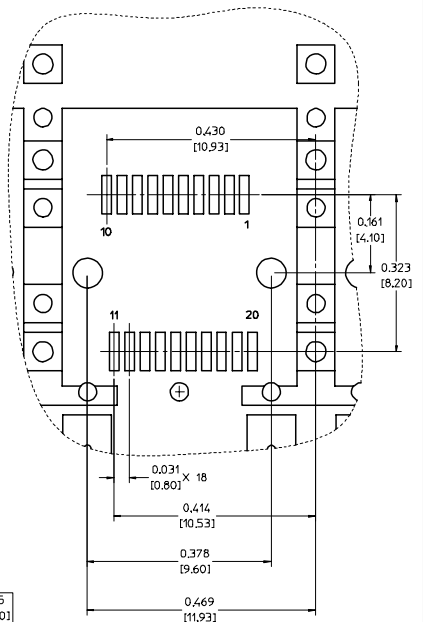
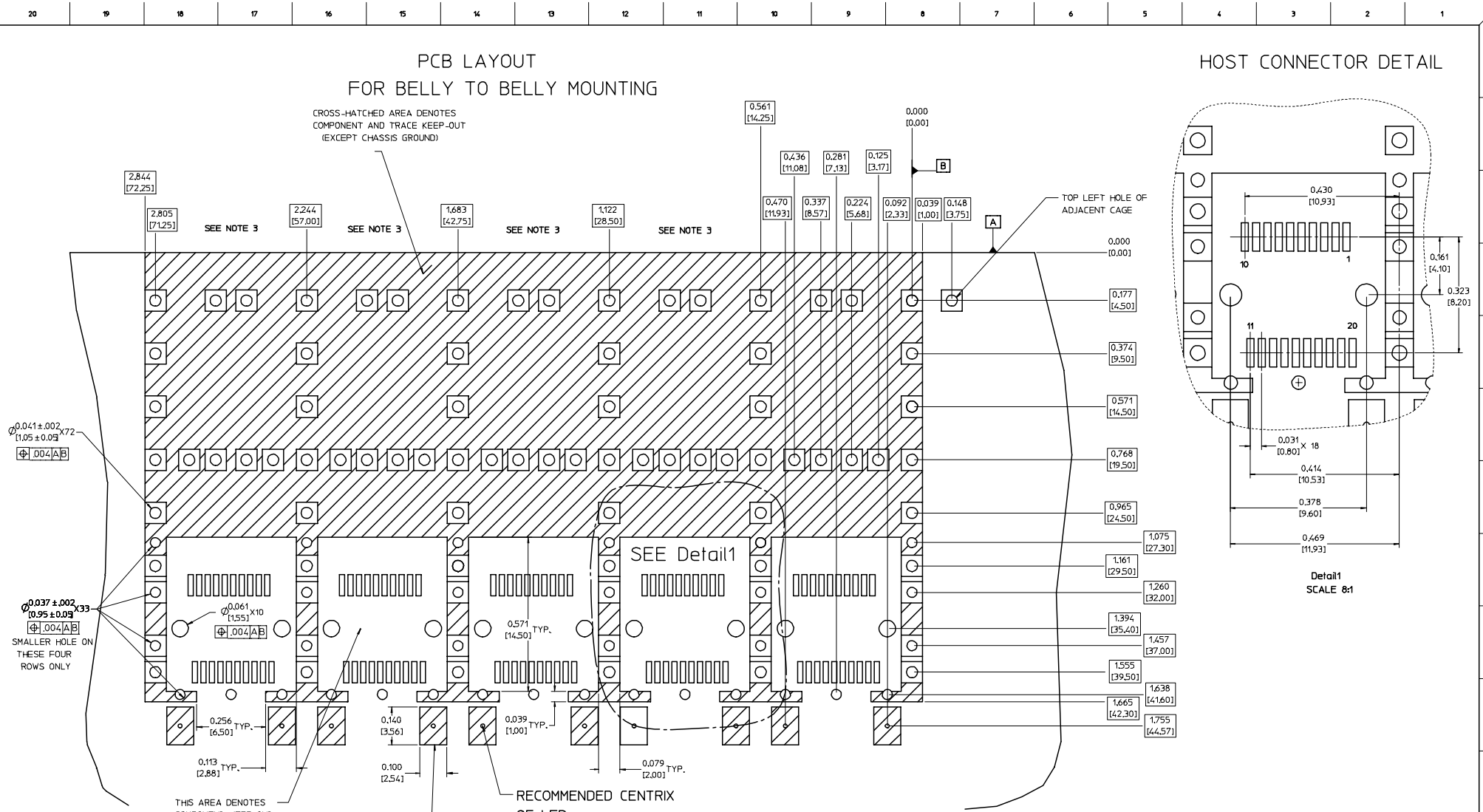
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	▽=0	mm	INCH	IN/MM	4:1	METRIC	
	▽=0	4 PLACES ± --- ± ---	3 PLACES ± --- ± .005	DRAWN BY: KS IMONSO 2004/07/08	DATE	TITLE	
		2 PLACES ± 0.13 ± .01	1 PLACE ± 0.25 ± ---	CHECKED BY: BRUSSELL 2004/07/08	DATE	1X5 SFP LIGHT PIPE ASSEMBLY, BACK-TOP	
	ANGULAR ± 1 °	APPROVED BY: BRUSSELL 2004/07/08		DATE	MATERIAL NO. 747290001		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		DOCUMENT NO. SD-74729-001		SHEET NO. 1 OF 5	
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PCB LAYOUT FOR BELLY TO BELLY MOUNTING

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

HOST CONNECTOR DETAIL



Detail1
SCALE 8:1

$\phi 0.041 \pm 0.002$
 $[1.05 \pm 0.05]$
 $\phi 0.037 \pm 0.002$
 $[0.95 \pm 0.05]$
SMALLER HOLE ON
THESE FOUR
ROWS ONLY

$\phi 0.061 \times 10$
 $[1.55]$
 $\phi 0.004$ [A] [B]

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

AREA OF LIGHT
PIPE COVERAGE

RECOMMENDED CENTRIX
OF LED

SEE Detail1

- NOTES:
- PADS AND VIAS GO TO CHASSIS GROUND.
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	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO: 747290001	DOCUMENT NO: SD-74729-001	SHEET NO. 2 OF 5		
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PCB LAYOUT FOR SINGLE SIDE MOUNTING

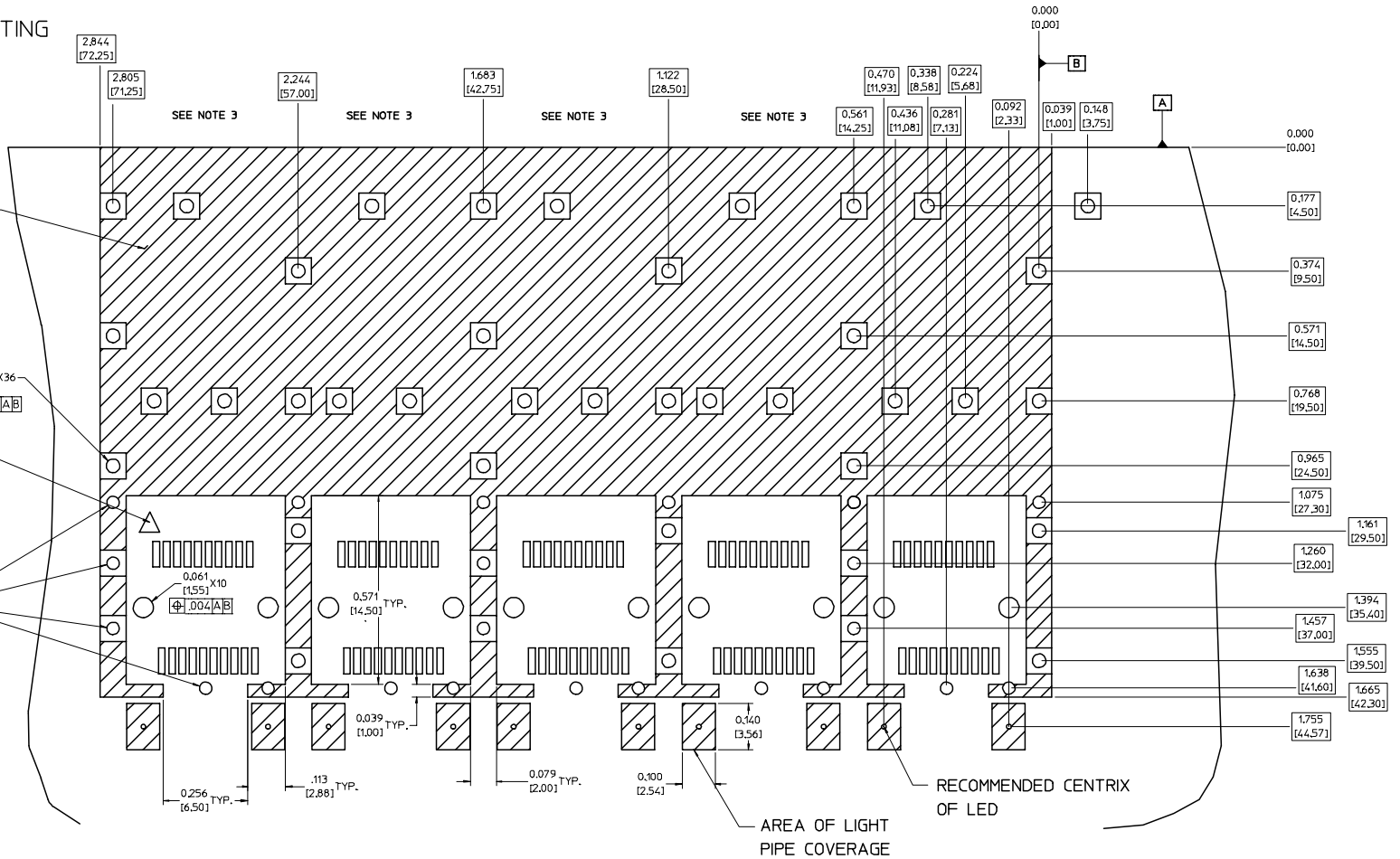
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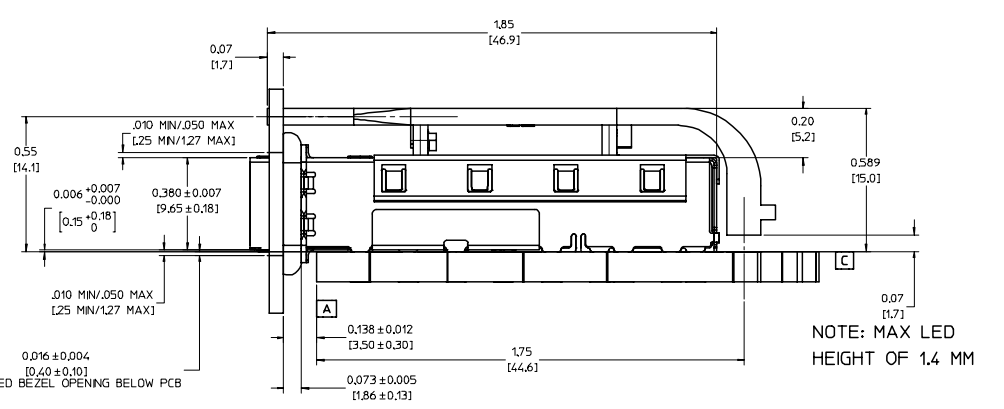
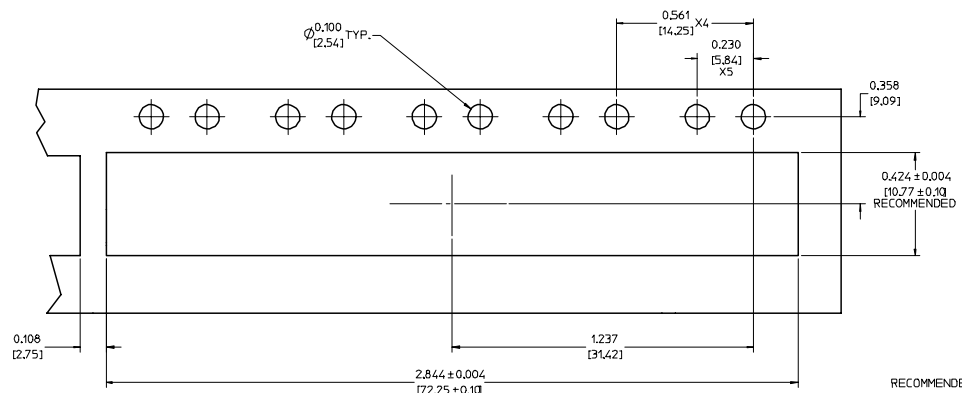


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DRAWN BY KS IMONSO	DATE 2004/07/08	CHECKED BY BRUSSELL	DATE 2004/07/08	TITLE 1X5 SFP LIGHT PIPE ASSEMBLY, BACK-TOP																				
APPROVED BY BRUSSELL	DATE 2004/07/08	MATERIAL NO. 747290001			DOCUMENT NO. SD-74729-001	SHEET NO. 3 OF 5																		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				

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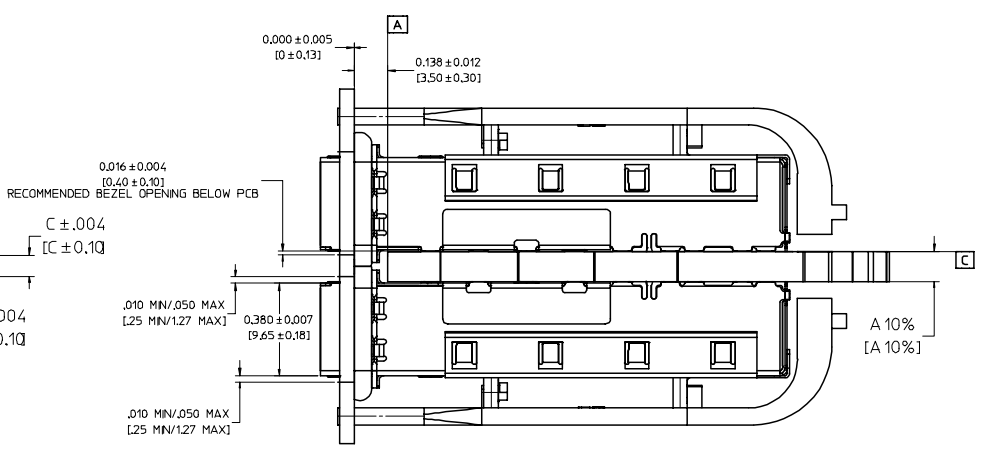
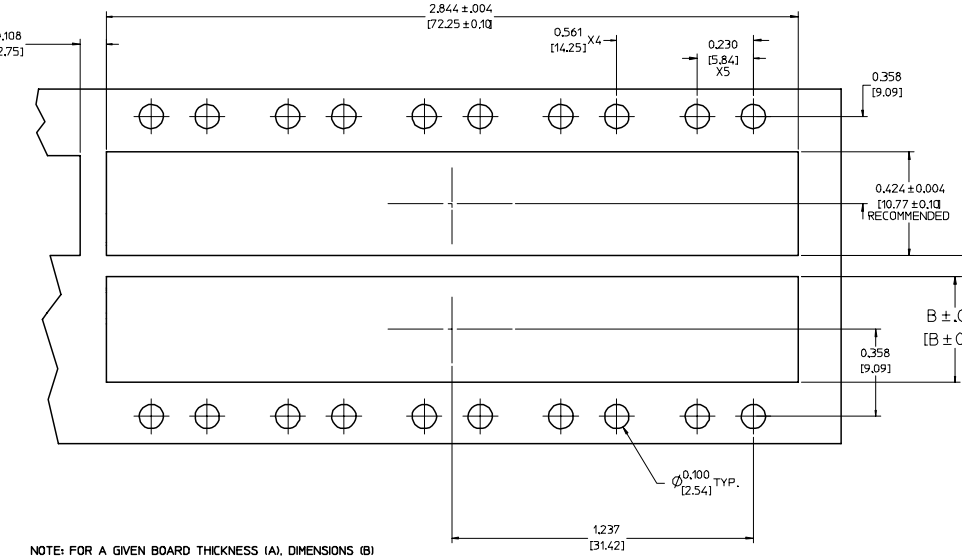
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BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING

BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



NOTE: FOR A GIVEN BOARD THICKNESS (A), DIMENSIONS (B) AND (C) ARE DIRECTLY AFFECTED.

USE RECOMMENDED DIMENSIONS AND TOLERANCES TO AID IN DEVELOPING BEZEL OPENING.

FOR EXAMPLE USING A BOARD THICKNESS OF .125" THE RECOMMENDED VALUES WOULD BE:

- A= .125/3.18 ± 10%
- B= .434/11.03 ± .004
- C= .088/2.23 ± .004

Rev. D 2004/06/28

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		3 PLACES ± --- ± .005		CHECKED BY	DATE	MOLEX INCORPORATED		
		2 PLACES ± 0.13 ± .01		BRUSSELL	2004/07/08	MATERIAL NO: 747290001		SHEET NO: 4 OF 5
		1 PLACE ± 0.25 ± ---		APPROVED BY	DATE	DOCUMENT NO: SD-74729-001		
		ANGULAR ± 1 °		BRUSSELL	2004/07/08	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D						

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



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