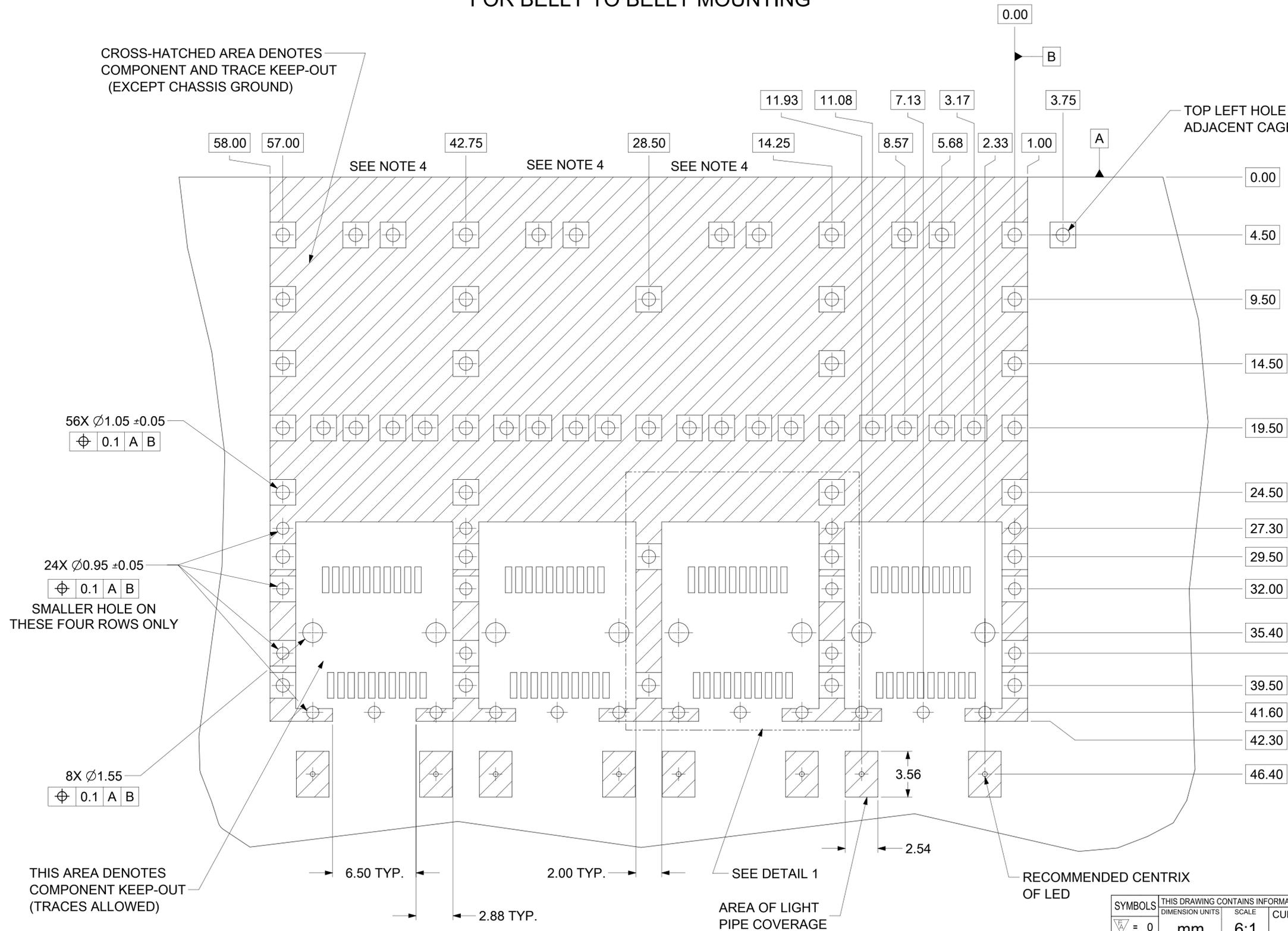


WEEK/YEAR DATE CODE TABLE	
WK	WEEK OF THE YEAR 01 THRU 52 (EXAMPLE: 01= FIRST WEEK OF YEAR 52= LAST WEEK OF YEAR)
YR	19,20,21,,ETC (EXAMPLE: YEAR 2019= 19)

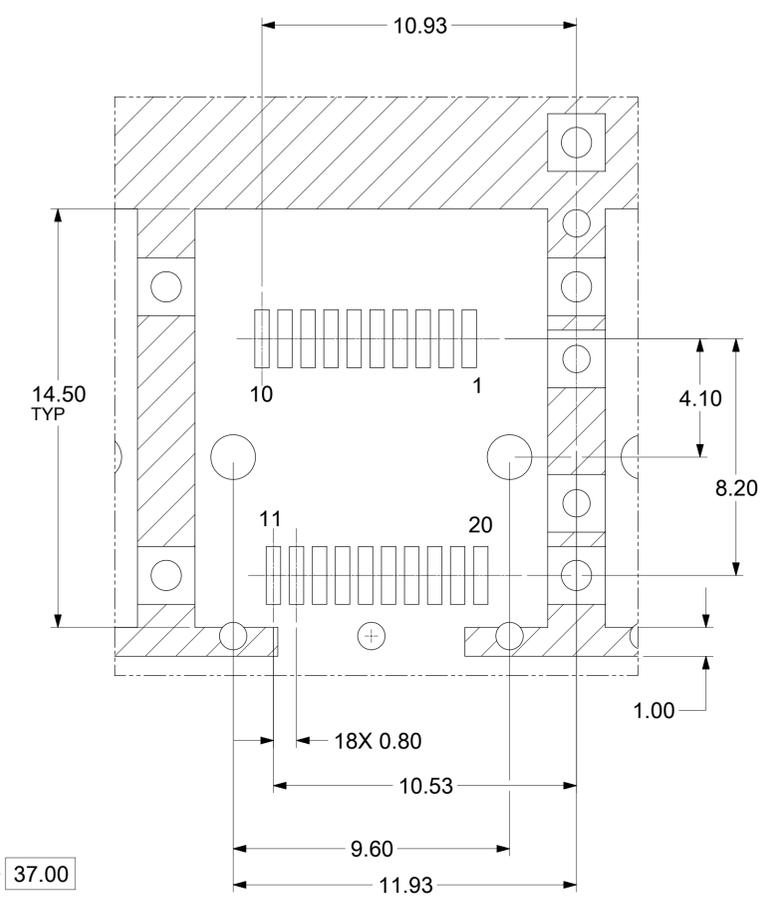
- NOTES:
- THIS LIGHT PIPE ASSEMBLY TO BE USED WITH SERIES 74728, 1X4 CAGES.
 - IT IS RECOMMENDED THAT THE CAGE ASSEMBLY BE PRESSED INTO OR SOLDERED TO THE PCB PRIOR TO ASSEMBLING THE LIGHT PIPE ASSEMBLY.
 - LED'S TO HAVE A MAXIMUM HEIGHT OF 1.4mm AND A MINIMUM HEIGHT OF 0.7mm
 - RECOMMENDED LED'S INCLUDE THE FOLLOWING MANUFACTURES:
 DIALIGHT: 597-77x1-5xx SERIES
 CHICAGO MINIATURE: 7016 SERIES
 KINGBRIGHT: APBL3025 SERIES (BICOLOR)
 APL3015 SERIES (SINGLE COLOR)
 - NO RoHS EXEMPTIONS.
 - DISCOLORATION IS NOT ALLOWED.

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE		
	DIMENSION UNITS	SCALE			
▽ = 0	mm	4:1			1X4 SFP LIGHT PIPE COVER ASSEMBLY, LOW PROFILE
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				
▽ = 0	ANGULAR TOL	± 1.0°	EC NO: 618645		PRODUCT CUSTOMER DRAWING
▽ = 0	4 PLACES	±	DRWN: JYEN01 2019/06/06		
▽ = 0	3 PLACES	±	CHK'D: JCHIANG 2019/06/06		DOCUMENT NUMBER: 747280002
▽ = 0	2 PLACES	± 0.13	APPR: JCHIANG 2019/06/06		
▽ = 0	1 PLACE	± 0.25	INITIAL REVISION:		DOC TYPE: PSD DOC PART: ASY REVISION: B1
▽ = 0	0 PLACES	±	DRWN: PMAHADEVAPPA 2018/12/18		
☒ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	MATERIAL NUMBER: 747280002 CUSTOMER:
■ = 0				SERIES: D-SIZE 74728	
▽ = 0				SHEET NUMBER	1 OF 5

PCB LAYOUT FOR BELLY TO BELLY MOUNTING



HOST CONNECTOR DETAIL



DETAIL 1
SCALE 8:1

- NOTES:
1. PADS AND VIAS GO TO CHASSIS GROUND, (64 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE.
 2. PLATING OPTIONAL FOR THROUGH HOLES, (16 PLACES).
 3. RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD OR SILVER), AND OSP.
 4. HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25.

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	mm	SCALE	6:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL	±	1.0°
▽ = 0	4 PLACES	±	
▽ = 0	3 PLACES	±	
▽ = 0	2 PLACES	±	0.13
▽ = 0	1 PLACE	±	0.25
▽ = 0	0 PLACES	±	
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0	CURRENT REV DESC: SEE REVISION TABLE		
EC NO: 618645		2019/06/06	
DRWN: JYEN01		2019/06/06	
CHK'D: JCHIANG		2019/06/06	
APPR: JCHIANG		2019/06/06	
INITIAL REVISION:			
DRWN: PMAHADEVAPPA		2018/12/18	
APPR: RCHEN08		2019/01/15	
THIRD ANGLE PROJECTION		DRAWING	SERIES
D-SIZE		74728	
DOCUMENT NUMBER		MATERIAL NUMBER	CUSTOMER
747280002		747280002	
DOC TYPE		DOC PART	REVISION
PSD		ASY	B1
DOCUMENT STATUS		RELEASE DATE	SHEET NUMBER
P1		2019/06/06 08:41:03	2 OF 5

molex

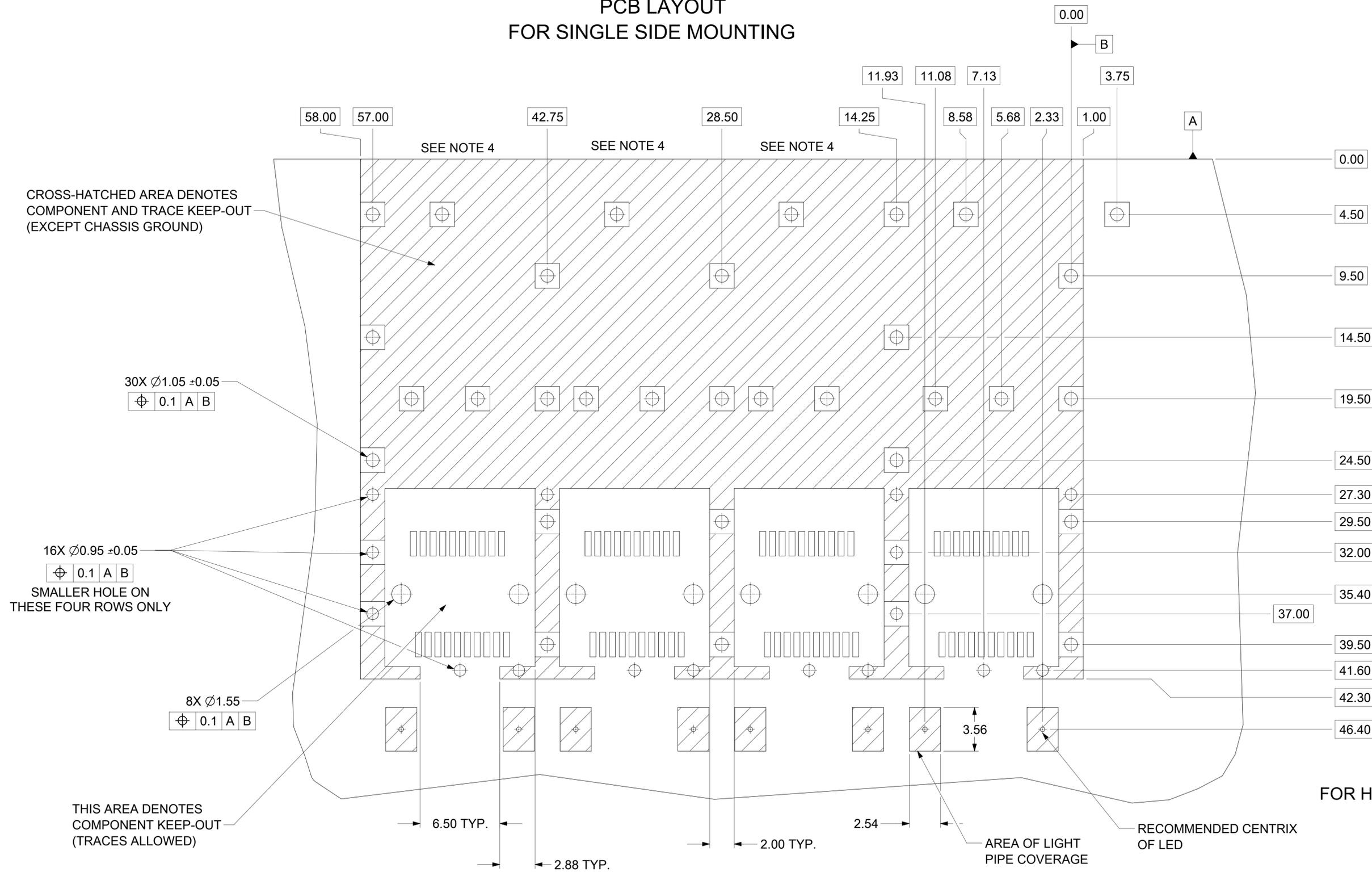
1X4 SFP LIGHT PIPE
COVER ASSEMBLY, LOW PROFILE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 747280002
DOC TYPE: PSD
DOC PART: ASY
REVISION: B1

MATERIAL NUMBER: 747280002
CUSTOMER: [Blank]
SHEET NUMBER: 2 OF 5

PCB LAYOUT FOR SINGLE SIDE MOUNTING



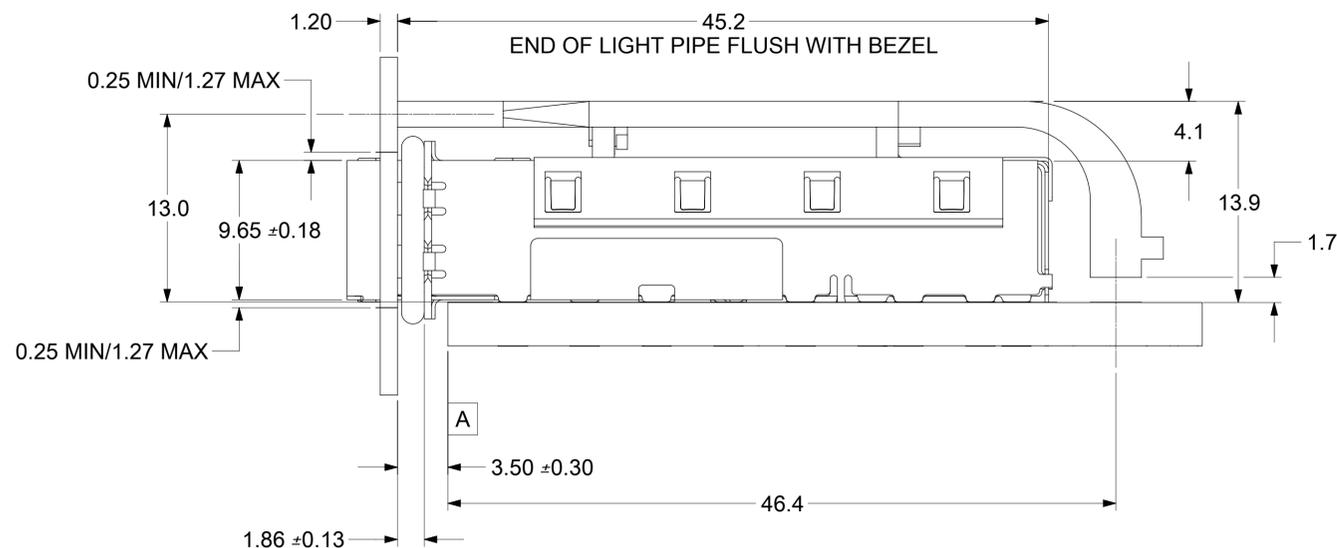
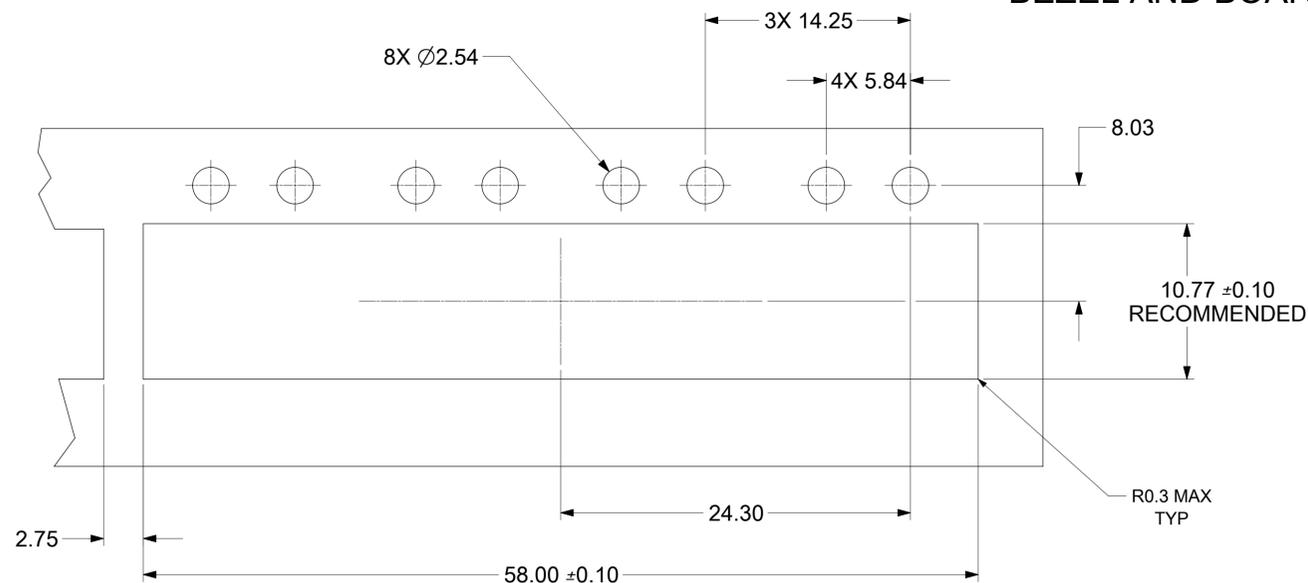
NOTES:

- PADS AND VIAS GO TO CHASSIS GROUND, (34 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE.
- PLATING OPTIONAL FOR THROUGH HOLES, (12 PLACES).
- RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD OR SILVER), AND OSP.
- HOLE PATTERN REPEATS FOR EACH PORT, SPACING BETWEEN PORTS IS 14.25.

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE	
▽ = 0	mm	6:1	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL	± 1.0°	
▽ = 0	4 PLACES	±	
▽ = 0	3 PLACES	±	
▽ = 0	2 PLACES	± 0.13	
▽ = 0	1 PLACE	± 0.25	
▽ = 0	0 PLACES	±	
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES
		D-SIZE	74728
		EC NO: 618645	
		DRWN: JYEN01	2019/06/06
		CHK'D: JCHIANG	2019/06/06
		APPR: JCHIANG	2019/06/06
		INITIAL REVISION:	
		DRWN: PMAHADEVAPPA	2018/12/18
		APPR: RCHEN08	2019/01/15
		MATERIAL NUMBER	CUSTOMER
		747280002	
		SHEET NUMBER	
		3 OF 5	

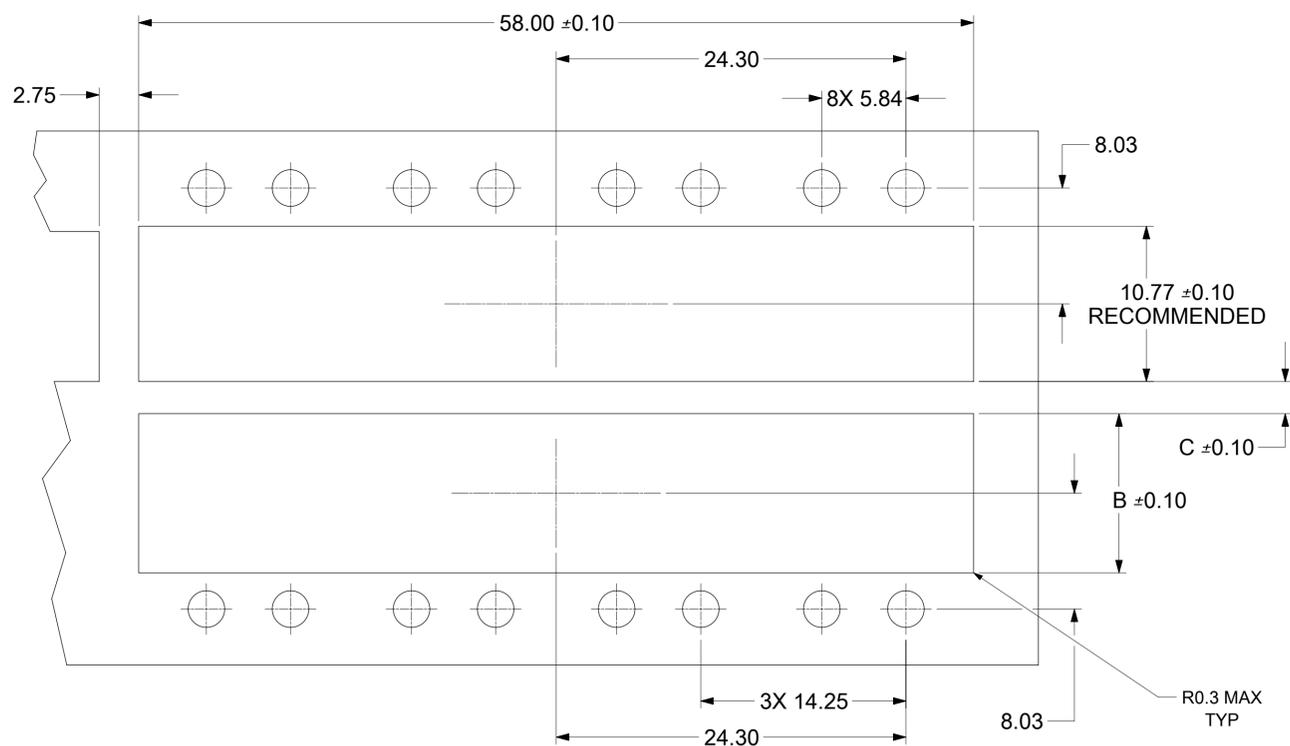
SEE SHEET 2
FOR HOST CONNECTOR DETAIL

BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING

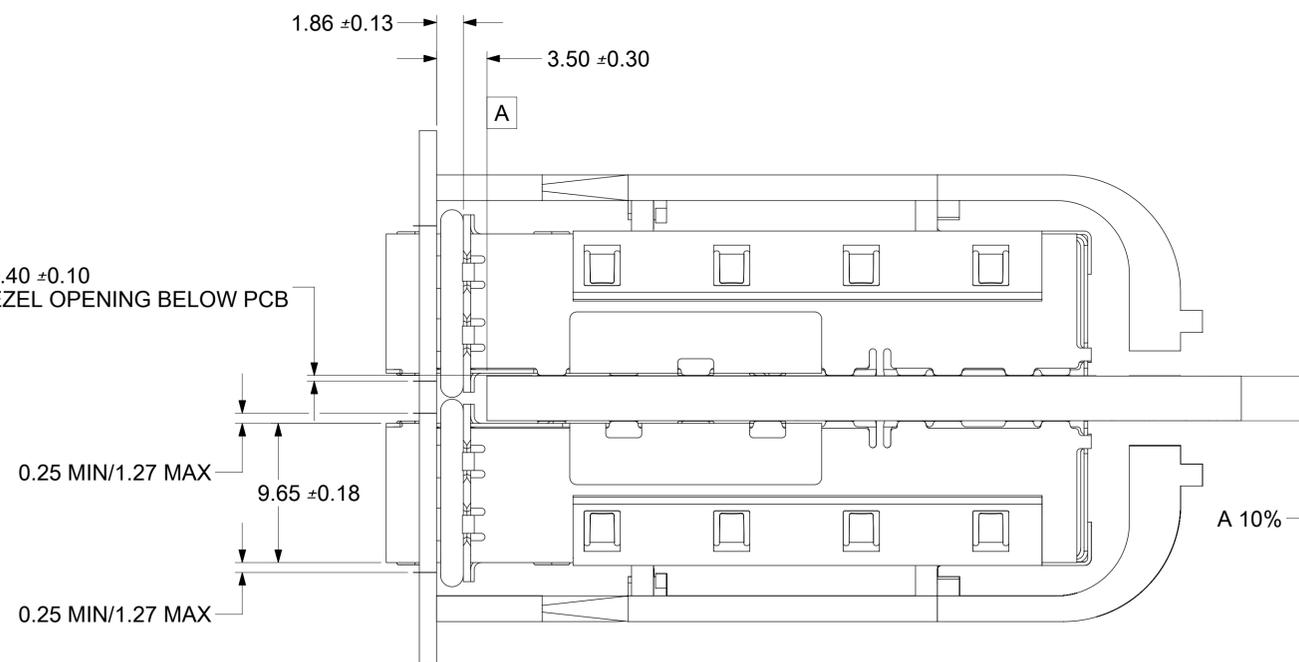


NOTE: MAX LED HEIGHT OF 1.40

BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING



0.40 ±0.10 RECOMMENDED BEZEL OPENING BELOW PCB



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 3.18mm THE RECOMMENDED VALUES WOULD BE:
 A= 3.18 ±10%
 B= 11.03 ±.10
 C= 2.23 ±.10

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
▽ = 0	DIMENSION UNITS	SCALE	CURRENT REV DESC: SEE REVISION TABLE
▽ = 0	mm	4:1	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		
▽ = 0	ANGULAR TOL	± 1.0°	
▽ = 0	4 PLACES	±	EC NO: 618645
▽ = 0	3 PLACES	±	DRWN: JYEN01 2019/06/06
▽ = 0	2 PLACES	± 0.13	CHK'D: JCHIANG 2019/06/06
▽ = 0	1 PLACE	± 0.25	APPR: JCHIANG 2019/06/06
▽ = 0	0 PLACES	±	INITIAL REVISION:
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRWN: PMAHADEVAPPA 2018/12/18
▽ = 0	THIRD ANGLE PROJECTION		APPR: RCHEN08 2019/01/15
DRAWING		SERIES	DOCUMENT NUMBER
D-SIZE		74728	747280002
CUSTOMER		MATERIAL NUMBER	DOC TYPE DOC PART REVISION
		747280002	PSD ASY B1
SHEET NUMBER		4 OF 5	

molex

1X4 SFP LIGHT PIPE COVER ASSEMBLY, LOW PROFILE

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER DOC TYPE DOC PART REVISION

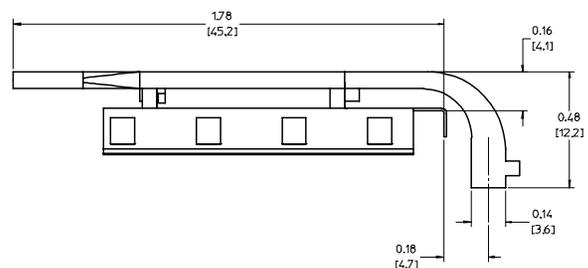
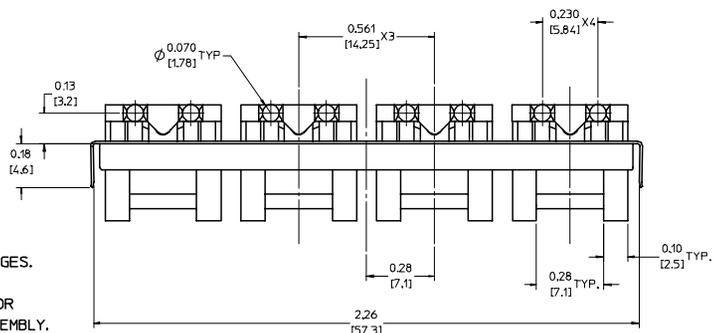
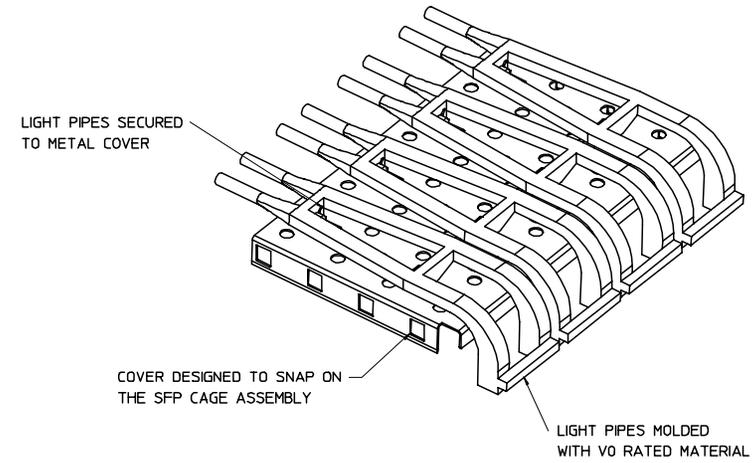
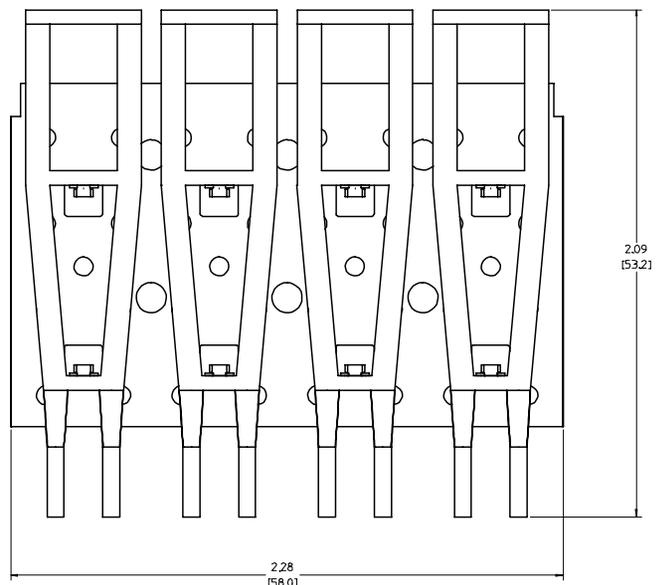
747280002

PSD ASY B1

MATERIAL NUMBER CUSTOMER SHEET NUMBER

747280002

4 OF 5



- NOTES:
1. THIS LIGHT PIPE ASSEMBLY TO BE USED WITH SERIES 74728, 1X4 CAGES.
 2. IT IS RECOMMENDED THAT THE CAGE ASSEMBLY BE PRESSED INTO OR SOLDERED TO 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 MANUFACTURES:

- 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: UST2006-0124 DRAWN BY: DRINKS MONSON 2005/11/05 CHECKED BY: CHFKBRUSSELL 2005/11/09 APPR: BRUSSELL 2005/11/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	mm INCH	DRAWN BY KS IMONSO	DATE 2005/11/05	CHECKED BY BRUSSELL	DATE 2005/11/05	
REVISIONS A	DESCRIPTION	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. 747280002	DOCUMENT NO. SD-74728-002	MOLEX INCORPORATED		SHEET NO. 1 OF 5
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

PCB LAYOUT FOR SINGLE SIDE MOUNTING

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

$\varnothing 0.041 \pm 0.002$
(1.05 ± 0.05)
[Φ] .004 [A/B] X30

$\varnothing 0.037 \pm 0.002$
(0.95 ± 0.05)
[Φ] .004 [A/B]
SMALLER HOLE ON
THESE FOUR ROWS ONLY

THIS AREA DENOTES
COMPONENT KEEP-OUT
(TRACES ALLOWED)

SEE NOTE 4

SEE NOTE 4

SEE NOTE 4

RECOMMENDED CENTRIX
OF LED

AREA OF LIGHT
PIPE COVERAGE

NOTES:

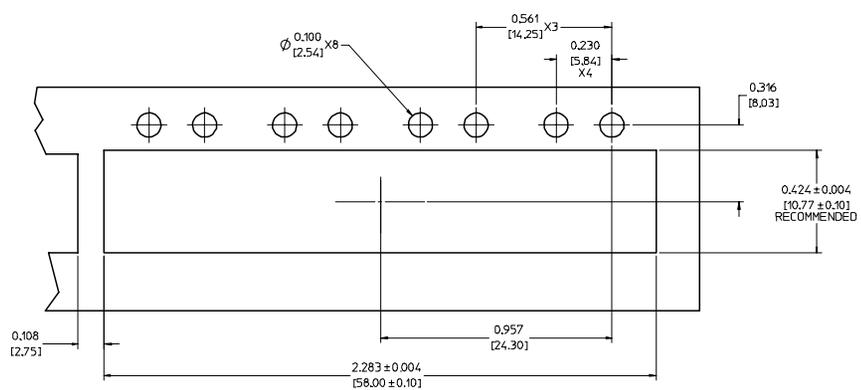
1. PADS AND VIAS GO TO CHASSIS GROUND. (34 PLACES). RECOMMENDED PADS TO BE 2mm SQUARE.
2. PLATING OPTIONAL FOR THROUGH HOLES. (12 PLACES).
3. RECOMMENDED PLATING INCLUDES HASL, IMMERSION (GOLD OR SILVER), AND OSP.
4. HOLE PATTERN REPEATS FOR EACH PORT. SPACING BETWEEN PORTS IS 5.61 [14.25].

ENTER DESCRIPTION EC NO: UST2006-0024 DRWNS:RMONSIN 2005/11/05 CHKD:BRUSSELL 2005/11/09 APPR:BRUSSELL 2005/11/16 A	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	6:1	METRIC	
	DESCRIPTION	DRAWN BY	DATE	TITLE	MOLEX INCORPORATED 1X4 SFP LIGHT PIPE COVER ASSEMBLY, LOW PROFILE	
		KS IMONSO 2005/11/05 BRUSSELL 2005/11/05 BRUSSELL 2005/11/05			MATERIAL NO: 747280002 DOCUMENT NO: SD-74728-002 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				

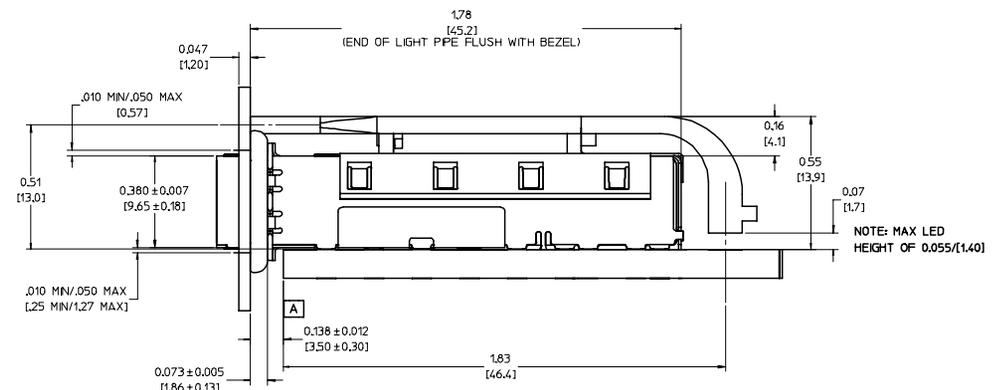
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

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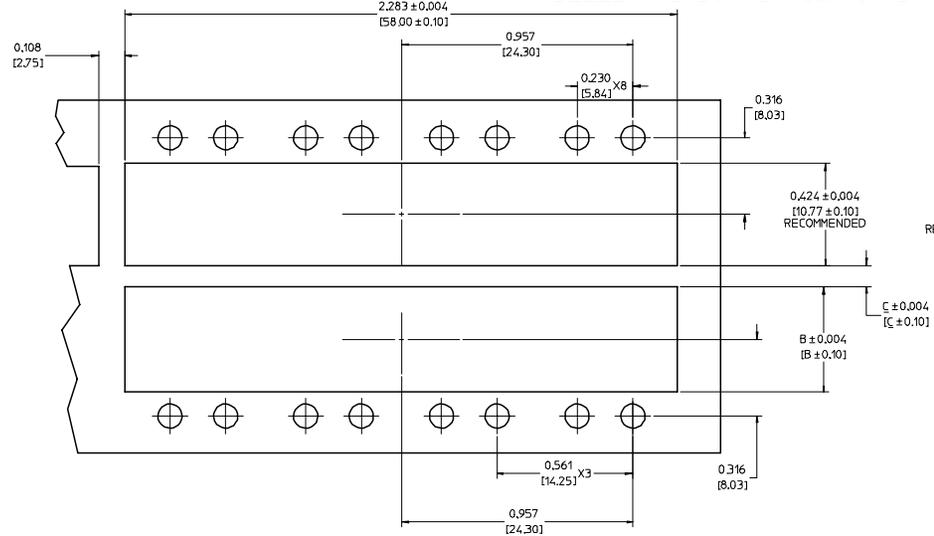


BEZEL AND BOARD POSITION DIMENSIONS FOR SINGLE SIDE MOUNTING



NOTE: MAX LED HEIGHT OF 0.055(1.40)

BEZEL AND BOARD POSITION DIMENSIONS FOR BELLY TO BELLY MOUNTING

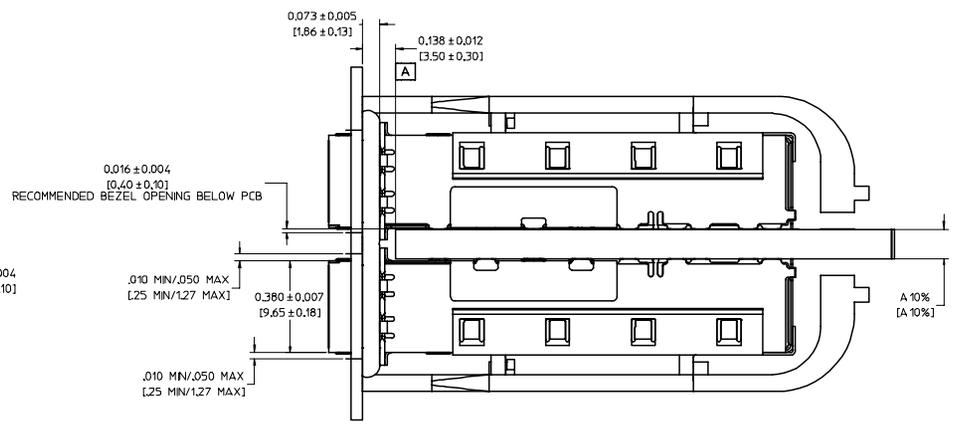


NOTE: FOR A GIVEN BOARD THICKNESS (A), DIMENSIONS (B) AND (C) ARE DIRECTLY AFFECTED.

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



ENTER DESCRIPTION EC NO: UST2006-0724 DRINKS MONSON 2005/11/05 CHFKBRUSSELL 2005/11/05 APPR:BRUSSELL 2005/11/16	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± ---	INCH	DRAWN BY KS IMONSO	DATE 2005/11/05	TITLE 1X4 SFP LIGHT PIPE COVER ASSEMBLY, LOW PROFILE		
		3 PLACES ± --- ± .005	INCH	CHECKED BY BRUSSELL	DATE 2005/11/05	MOLEX INCORPORATED		
		2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ± 1 °	INCH	APPROVED BY BRUSSELL	DATE 2005/11/05	MATERIAL NO. 747280002	DOCUMENT NO. SD-74728-002	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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

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

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DATE	REV	CHANGES	COMMENTS
2005/11/05	A	INITIAL RELEASE	N/A

ENTER DESCRIPTION EC NO: UST2006-0124 DRAWN BY: DRANKS MONSON 2005/11/05 CHECKED BY: CHUCK BRUSSELL 2005/11/05 APPROVED BY: BRUSSELL 2005/11/16 A	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 ± --- ANGULAR ± 1 °	DRAWN BY: KS IMONSO 2005/11/05 CHECKED BY: BRUSSELL 2005/11/05 APPROVED BY: BRUSSELL 2005/11/05	TITLE 1X4 SFP LIGHT PIPE COVER ASSEMBLY, LOW PROFILE			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO: 747280002	DOCUMENT NO: SD-74728-002	SHEET NO: 5 OF 5	
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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