

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
- LIGHTPIPE HOUSING: ZINC
- LIGHTPIPER: POLYCARBONATE, COLOR: CLEAR

2. FINISHES:

TERMINALS: CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD OVER 1.27 MICROMETERS MINIMUM NICKEL.

COMPLIANT TAIL: 0.76 TO 1.52 MICROMETERS MATTE TIN OVER 0.76 MICROMETERS MINIMUM NICKEL.

LIGHTPIPE HOUSING: 80 MICROMETERS MINIMUM NICKEL OVER COPPER

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-75450-001 FOR ALL PACKAGING SPECIFICATIONS.

6. ALL EXTERIOR SURFACES TO BE CLASS "B" SURFACE EXCEPT THE UNDER SIDE OF THE CAGE (CLASS "C") WHERE THE PCB WOULD BE LOCATED AND AS OTHERWISE NOTED.

THE SURFACES TO CONFORM TO THE MOLEX COSMETIC DOC PS-45499-002.

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

8. DATE CODE LOCATION IS SHOWN ABOVE.

DATE CODE FORMAT: DDDY MX A1

DDD = DAY OF THE YEAR

Y = YEAR

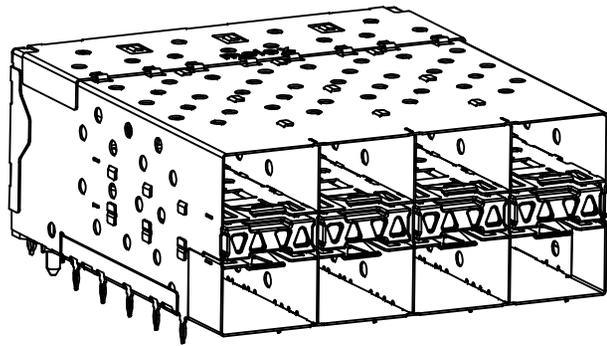
MX = MOLEX

A = ALPHA CHARACTER - INDICATES MANUFACTURING LINE

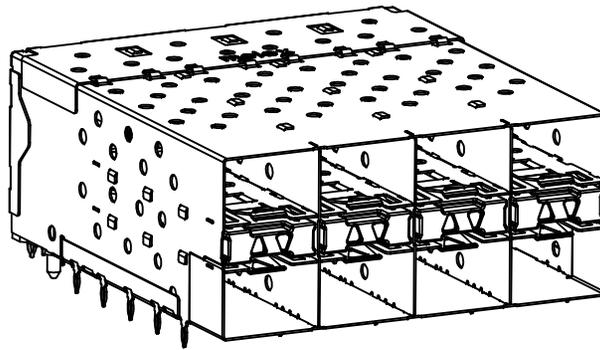
1 = NUMERIC CHARACTER - INDICATES PRODUCTION SHIFT

PART NUMBER	LIGHT PIPE CONFIGURATION - SEE SHEET 2	CAGE PLATING
76046-5901	4 LIGHT PORTS	NONE
	INNER 2 PORTS	NONE
	OUTER 2 PORTS	NONE

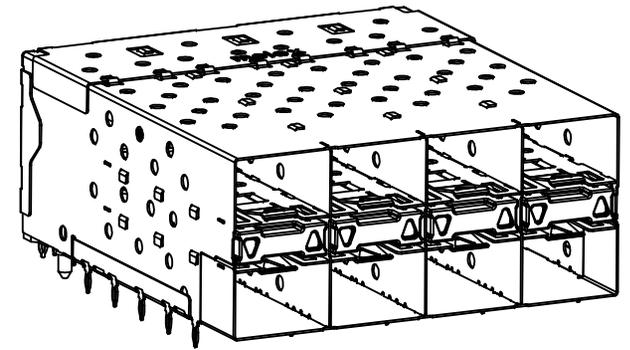
INITIAL RELEASE EC NO: UCP2014-0581 DRWN:BBARKER 2013/08/06 CHKD: APPR:SMILLER 2013/12/20	DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.13 ± ---	1 PLACE ± 0.25 ± ---	0 PLACE ± ±	DRAWN BY BBARKER	DATE 2013/08/06	STACKED SFP+ 2X4 ASS'Y NO GASKET/FLANGE WITH LIGHTPIPER molex RSD-76046-5900		
		ANGULAR ± 5 °					CHECKED BY TIBARRA	DATE 2013/08/08			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					APPROVED BY SMILLER	DATE 2013/12/20			
SIZE C					MATERIAL NO. SEE TABLE	DOCUMENT NO. RSD-76046-5900	SHEET NO. 1 OF 4				
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											



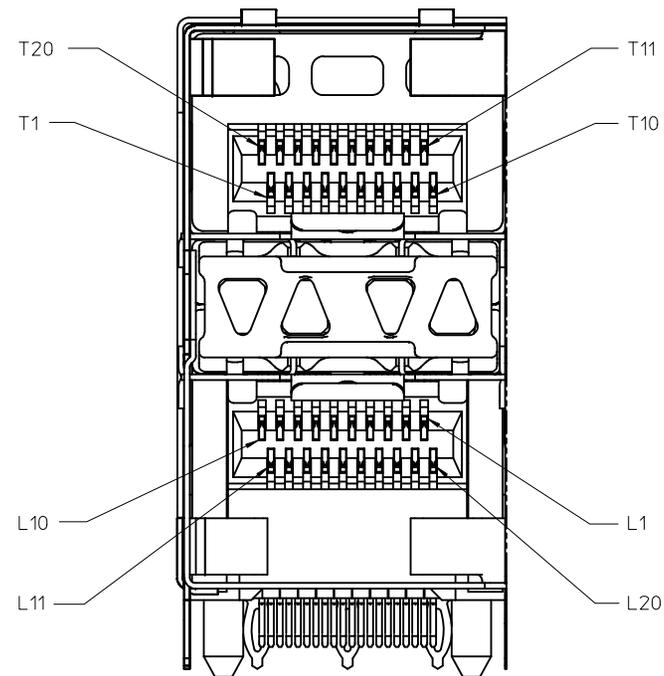
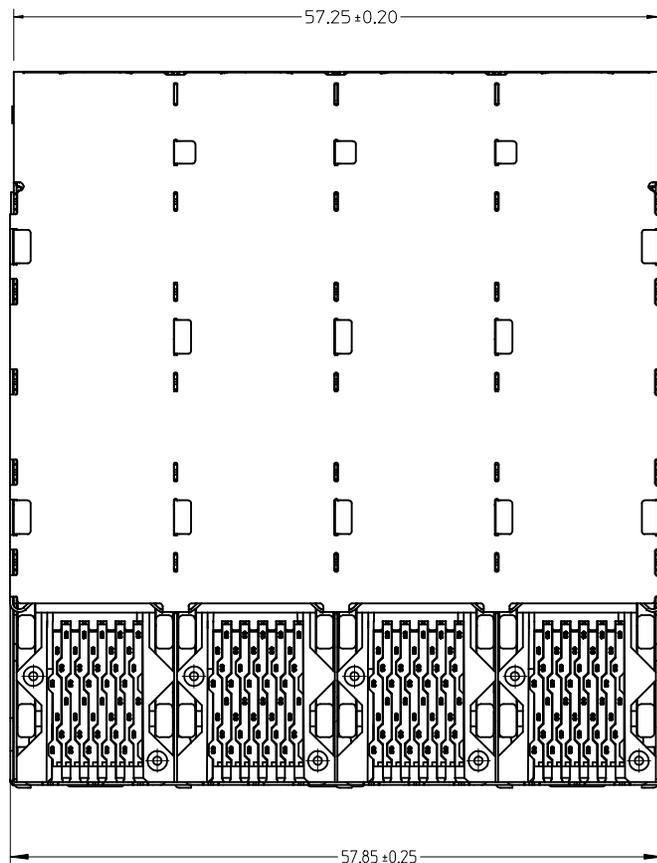
76046-5901
WITH INNER & OUTER LIGHTPIPE PORTS



WITH INNER LIGHTPIPE PORTS

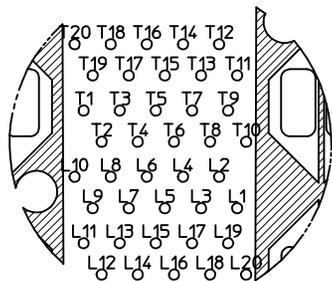


WITH OUTER LIGHTPIPE PORTS

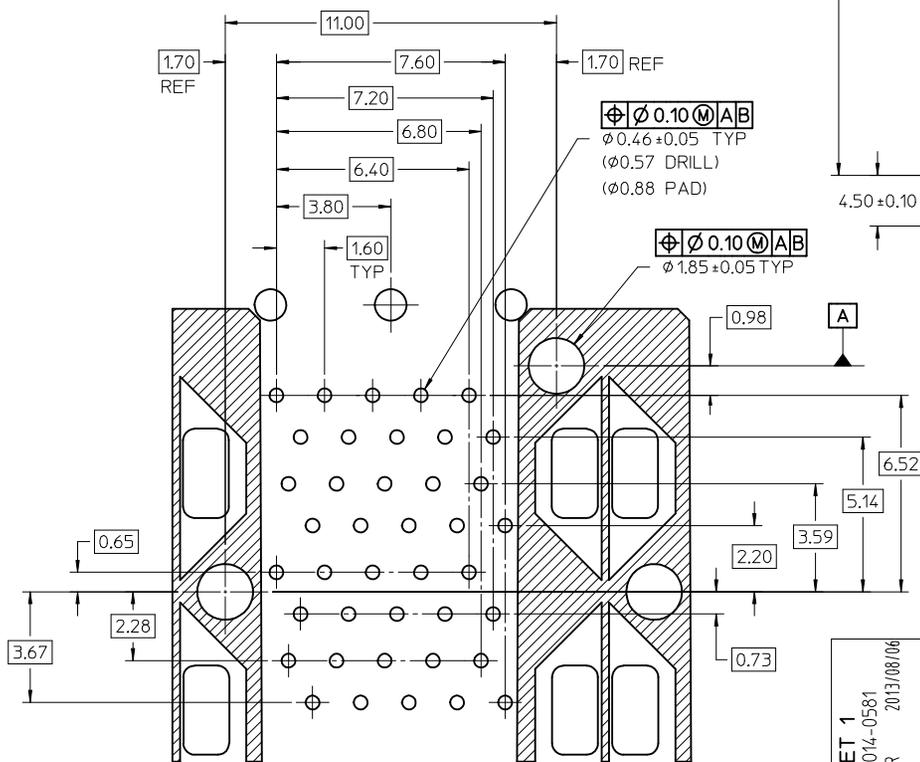


DETAIL B SCALE 6:1
CIRCUIT NUMBERING AND LIGHTPIPE IDENTIFICATION

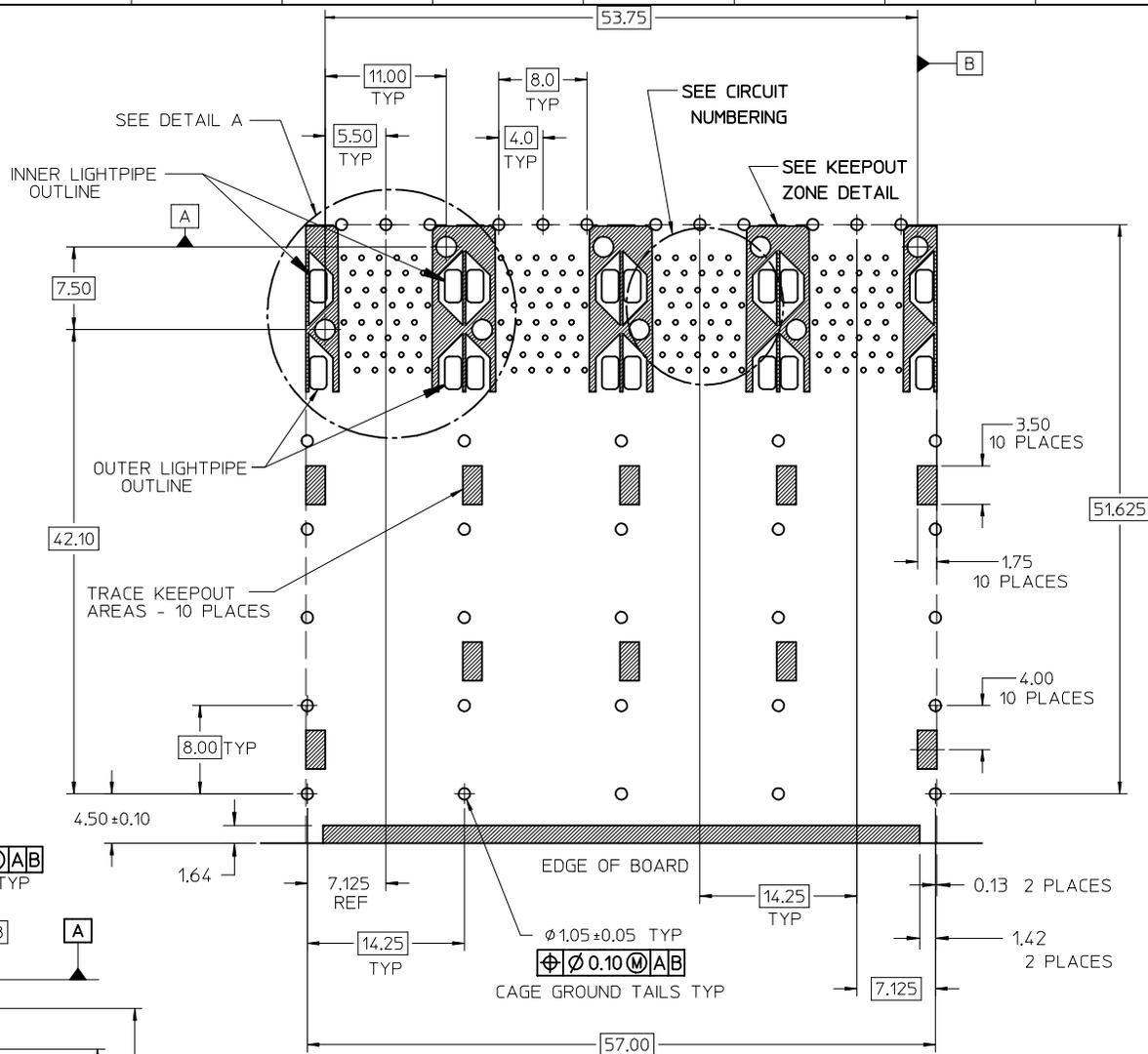
SEE SHEET 1 EC NO: UCP2014-0581 DRWN:BBARKER 2013/08/06 CHKD: APPR:SMILLER 2013/12/20 REVISIONS A	QUALITY SYMBOLS 	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	mm INCH ± --- ± --- ± --- ± --- ± 0.13 ± --- ± 0.25 ± --- ± ±	DRAWN BY BBARKER	DATE 2013/08/06	TITLE STACKED SFP+ 2X4 ASS'Y NO GASKET/FLANGE WITH LIGHTPIPES		
		ANGULAR ± 5 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY TIBARRA	DATE 2013/08/08	molex		
				APPROVED BY SMILLER	DATE 2013/12/20	MATERIAL NO. SEE TBL, SHT 1	DOCUMENT NO. RSD-76046-5900	SHEET NO. 2 OF 4



CIRCUIT NUMBERING
COMPONENT SIDE OF BOARD

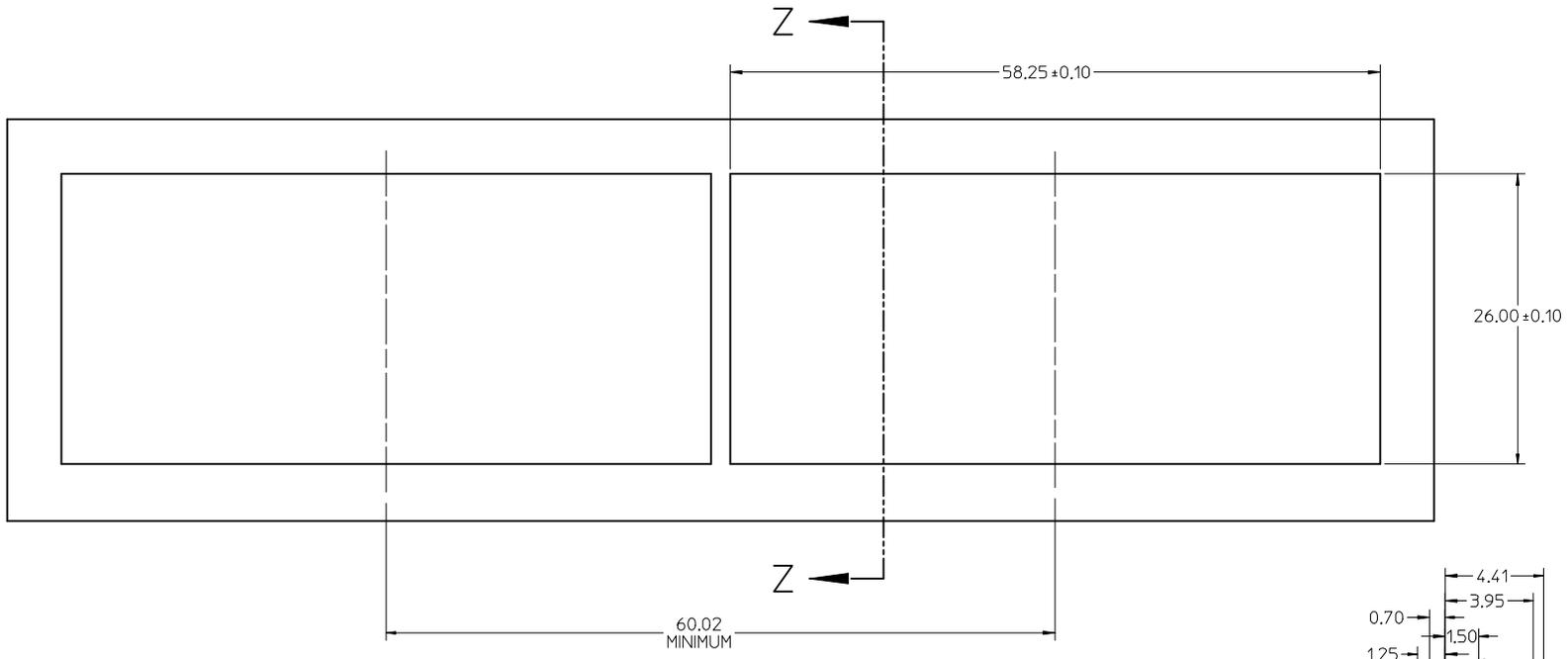


DETAIL A
SCALE 8:1

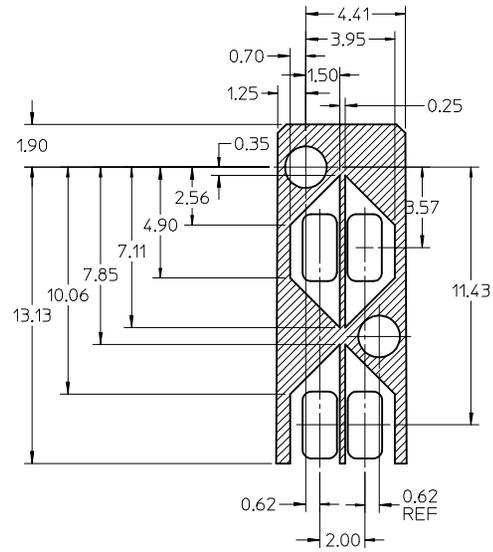
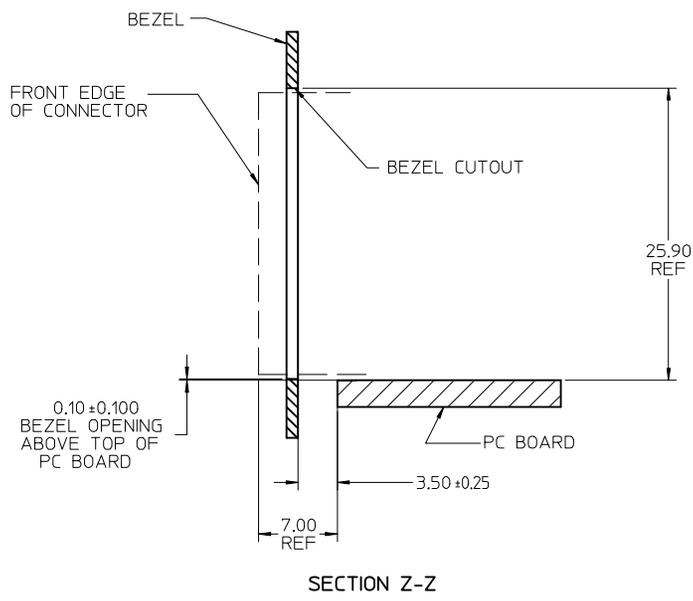


RECOMMENDED PCB LAYOUT - COMPONENT SIDE
MINIMUM PCB THICKNESS OF 157MM
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA INDICATED
BY THE DASHED LINE

SEE SHEET 1 EC NO: UCP2014-0581 DRAWN: BBARKER 2013/08/06 CHKD: APPR: MILLER 2013/12/20 REV: A	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
	▽=0	mm INCH	DRAWN BY DATE BBARKER 2013/08/06	TITLE	STACKED SFP+ 2X4 ASS'Y NO GASKET/FLANGE WITH LIGHTPIPES	
	▽=0	4 PLACES ± --- ± ---	CHECKED BY DATE TIBARRA 2013/08/08	APPROVED BY DATE SMILLER 2013/12/20	molex	
	▽=0	2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ±	ANGULAR ± 5 °	MATERIAL NO. SEE TBL, SHT 1	DOCUMENT NO. RSD-76046-5900	SHEET NO. 3 OF 4
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				

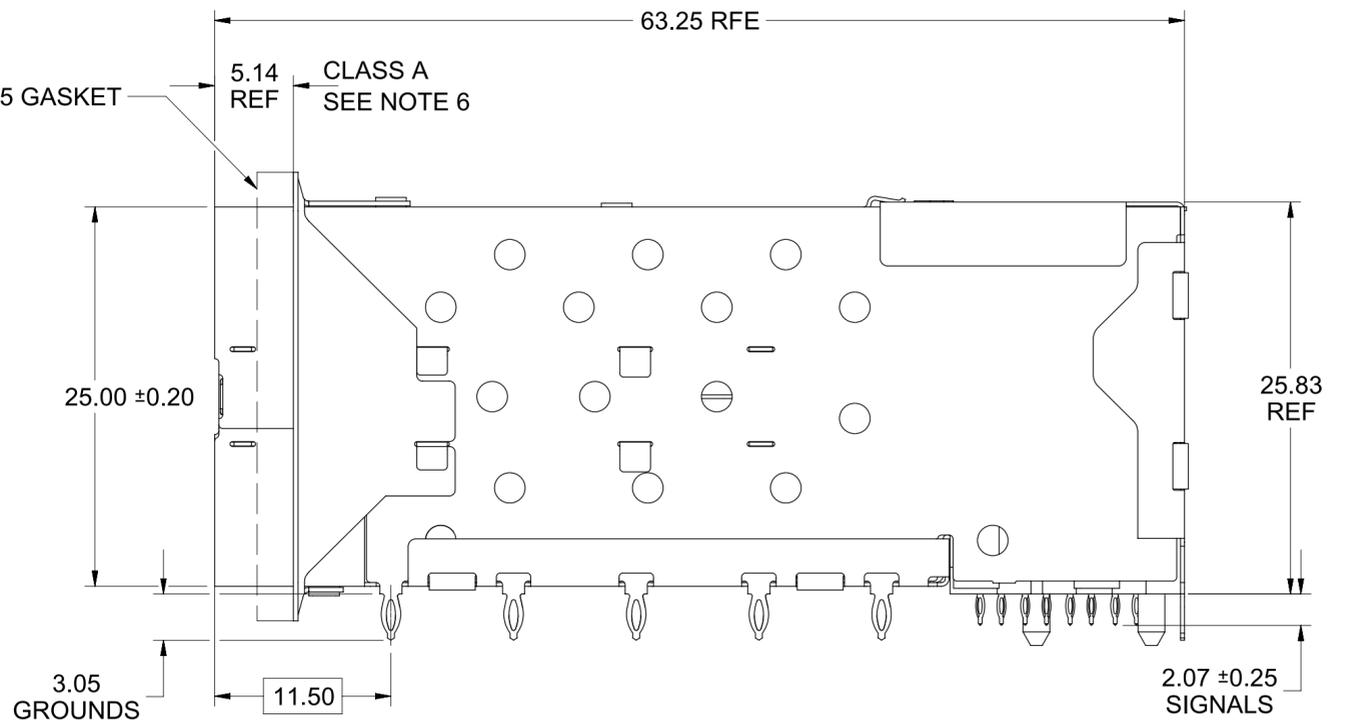
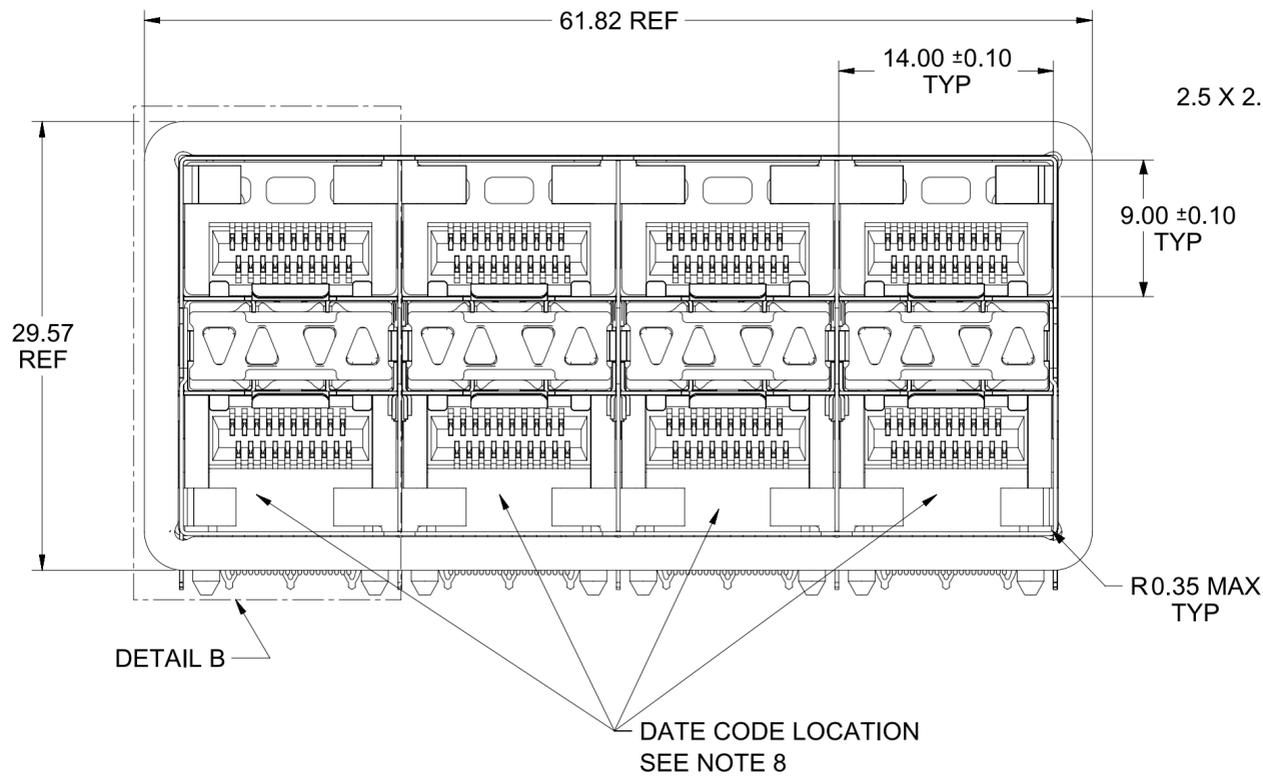


BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8-2.6



KEEP OUT ZONE DETAIL - LIGHTPIPE LOCATION AND OTHER ZONES
SCALE 6:1

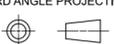
SEE SHEET 1 EC NO: UCP2014-0581 DRWN:BBARKER 2013/08/06 CHKD: APPR:SMILLER 2013/12/20 REV: A	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
	▽=0	mm INCH	MM ONLY	3:1	METRIC	
	▽=0	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	▽=0	3 PLACES ± --- ± ---	BBARKER 2013/08/06	STACKED SFP+ 2X4 ASS'Y NO GASKET/FLANGE WITH LIGHTPIPES		
	▽=0	2 PLACES ± 0.13 ± ---	CHECKED BY DATE	DOCUMENT NO.		
	1 PLACE ± 0.25 ± ---	TIBARRA 2013/08/08	RSD-76046-5900			
	0 PLACE ± ±	APPROVED BY DATE	SHEET NO.			
		SMILLER 2013/12/20	4 OF 4			
		MATERIAL NO.	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX. INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
		ANGULAR ± 5 °	SEE TBL. SHT 1			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				

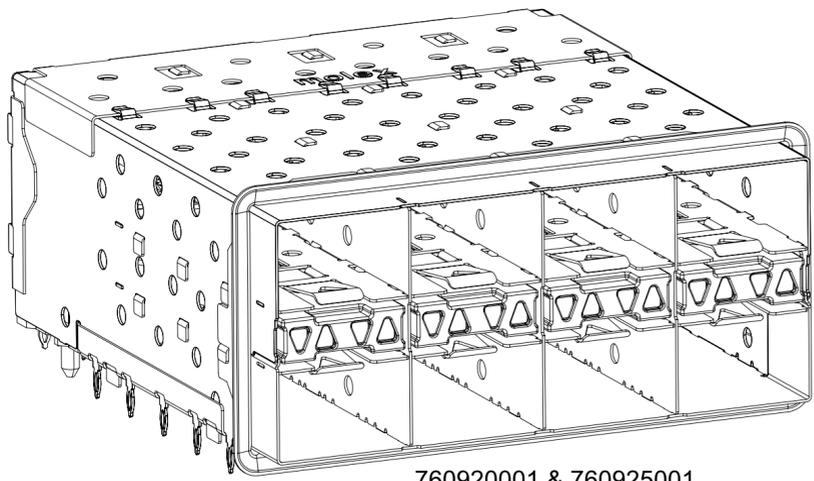


NOTES

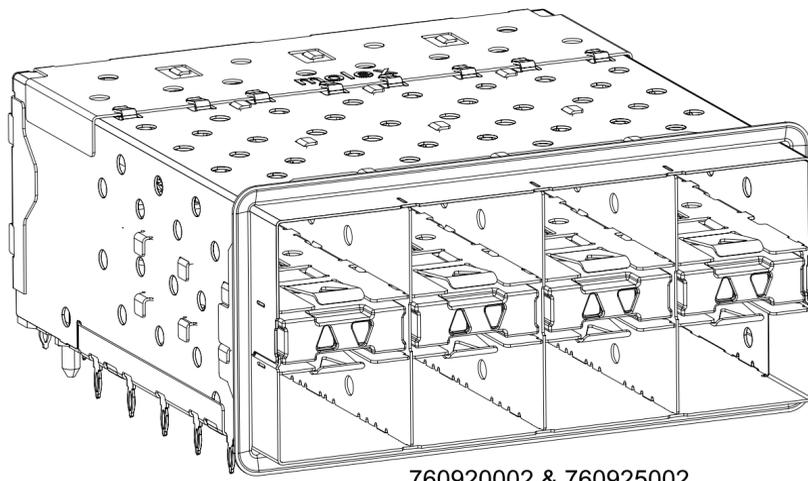
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 - TERMINALS: TIN BRASS
 - EMI GASKET: CONDUCTIVE ELASTOMER
 - LIGHTPIPE HOUSING: ZINC
 - LIGHTPIPES: POLYCARBONATE, COLOR: CLEAR
2. FINISHES:
 - TERMINALS: CONTACT AREA: 0.76 MICROMETERS MINIMUM HARD GOLD
3.8 MICROMETERS MINIMUM NICKEL
OVER 1.27 MICROMETERS 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.
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 - DDD = DAY OF THE YEAR
 - Y = YEAR
 - MX = MOLEX
 - A = ALPHA CHARACTER - INDICATES MANUFACTURING LINE
 - 1 = NUMERIC CHARACTER - INDICATES PRODUCTION SHIFT

PART NUMBER	DESCRIPTION	VIEW	COMPLIANT TAIL PLATING	CAGE PLATING
760925001	4 LIGHT PORTS	SEE PG 2	MATTE TIN	N/A
760925002	INNER 2 PORTS	SEE PG 2	MATTE TIN	N/A

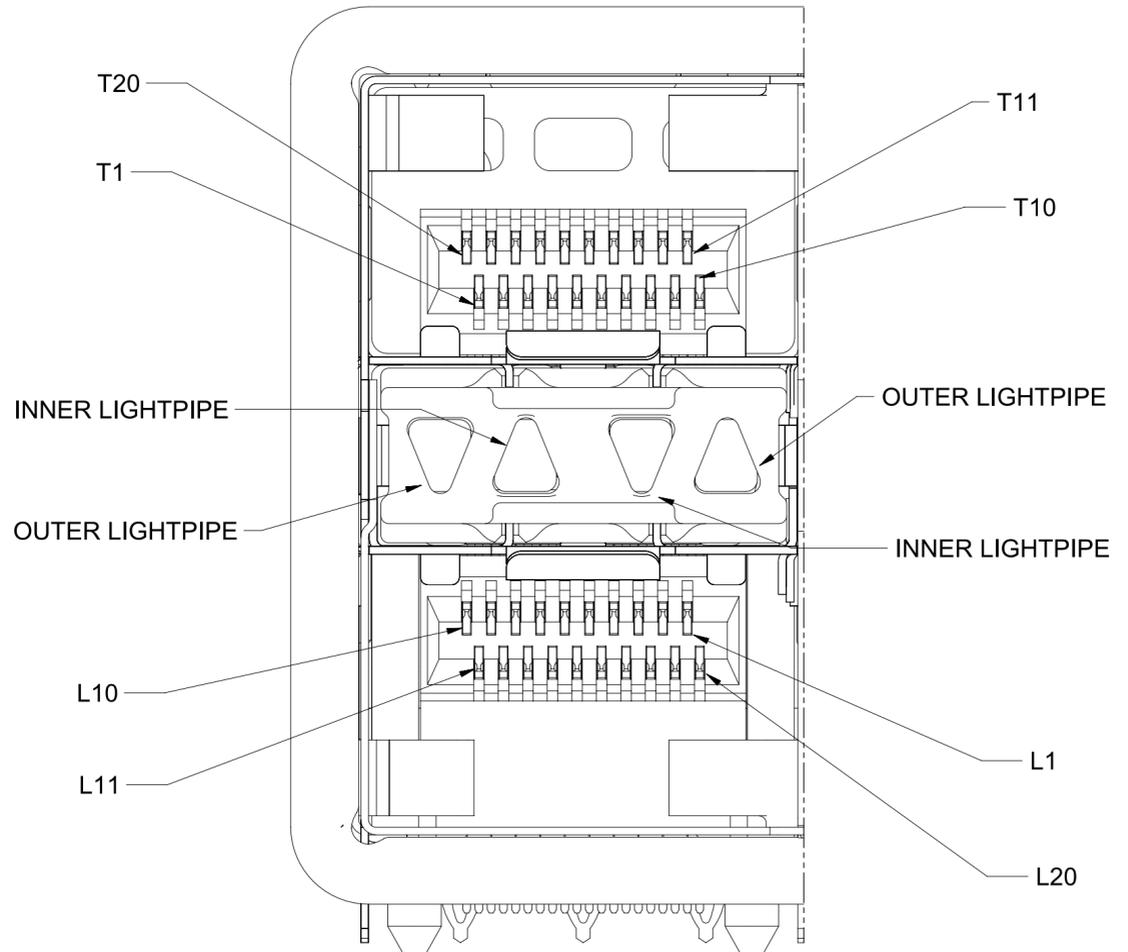
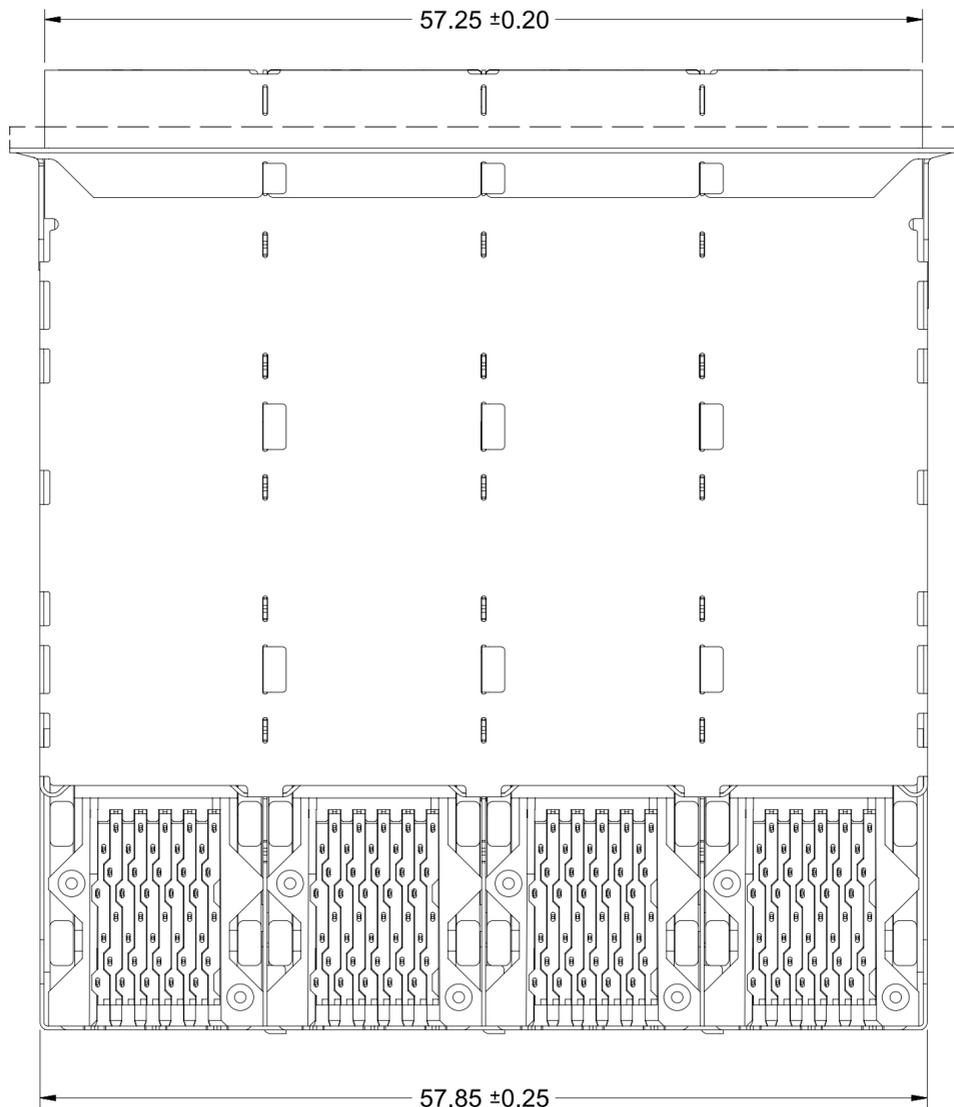
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS MM		SCALE 3:1		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514336					
GENERAL TOLERANCES (UNLESS SPECIFIED)				 STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET AND LIGHTPIPES PRODUCT CUSTOMER DRAWING					
ANGULAR TOL ± 5°									
4 PLACES ±									
3 PLACES ±									
2 PLACES ± 0.130									
1 PLACE ± 0.25				STATUS: Production		2025-06-20		DOCUMENT NUMBER	
0 PLACES ±				DRWN: J Sanat Kumar		2025-06-27		SD-76092-001	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				CHK'D: Ganesh Rao B		2025-06-27		PSD 001 F2	
THIRD ANGLE PROJECTION				APPR: Gurunandan GA		SERIES		MATERIAL NUMBER	
				DRAWING		76092		CUSTOMER	
				C-SIZE		GENERAL MARKET		SHEET NUMBER	
								1 OF 4	



760920001 & 760925001
WITH INNER & OUTER LIGHTPIPE PORTS

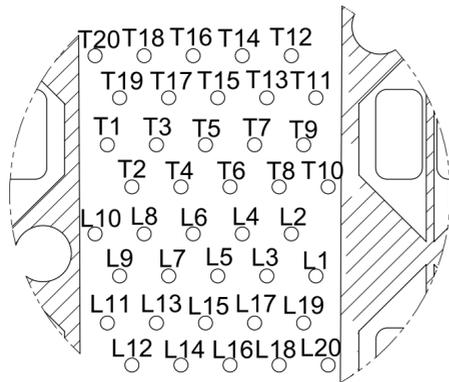


760920002 & 760925002
WITH INNER LIGHTPIPE PORTS

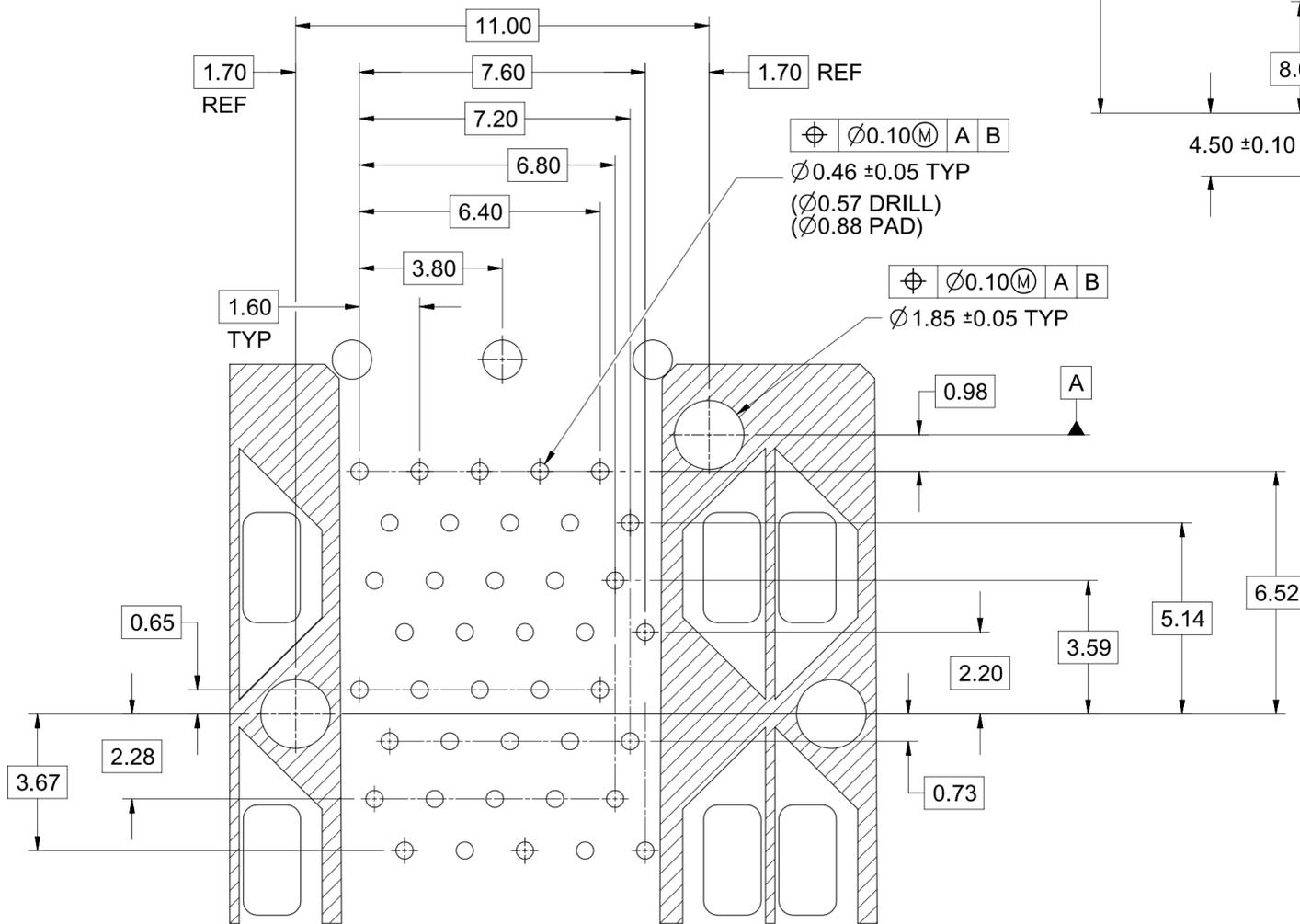


DETAIL B SCALE 6:1
CIRCUIT NUMBERING AND LIGHTPIPE IDENTIFICATION

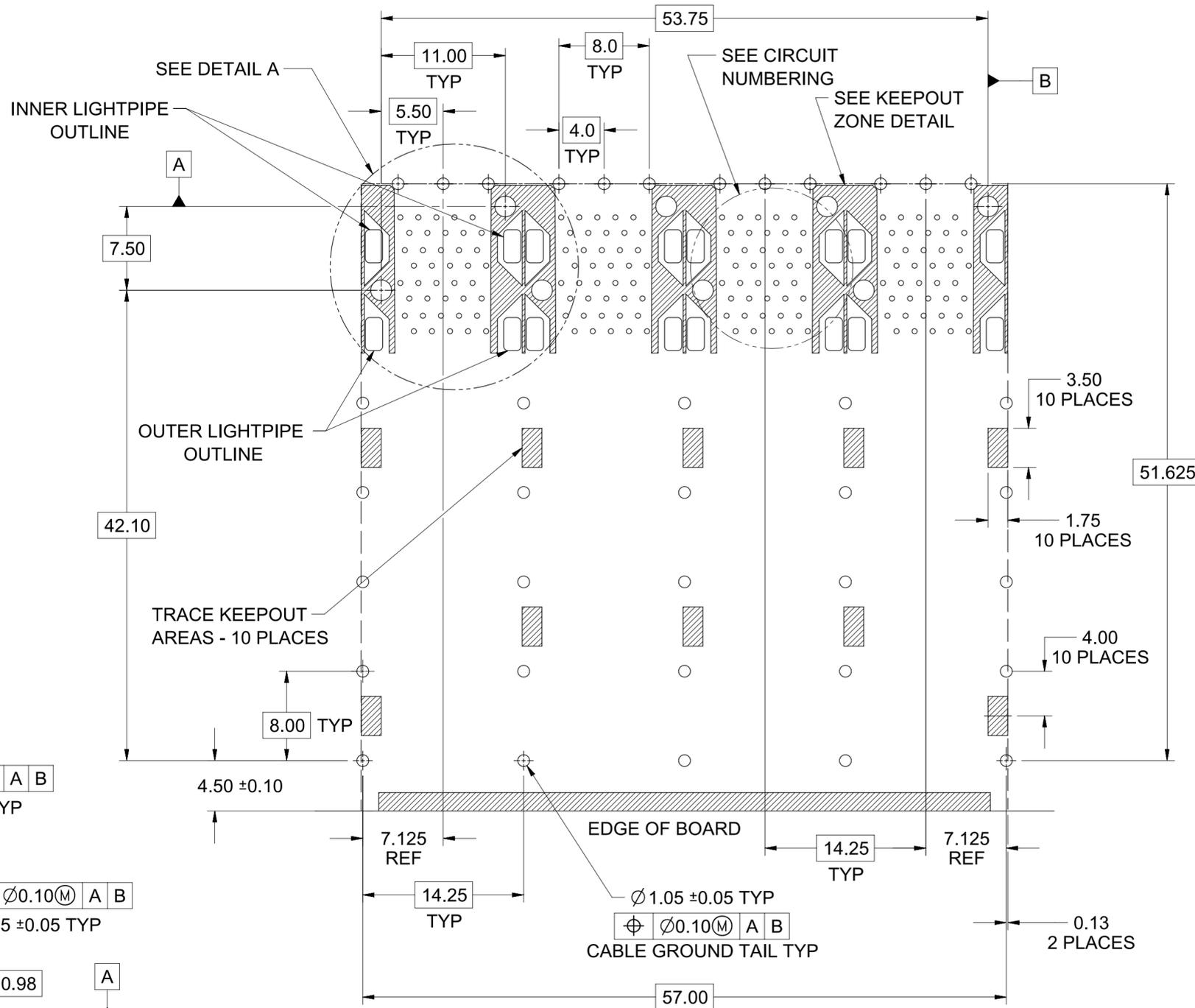
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DIMENSION UNITS MM		SCALE 3:1		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514336					
GENERAL TOLERANCES (UNLESS SPECIFIED)				<p>molex</p> <p>STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET AND LIGHTPIPES</p> <p>PRODUCT CUSTOMER DRAWING</p> <p>DOCUMENT NUMBER: SD-76092-001 DOC TYPE: PSD DOC PART: 001 REVISION: F2</p> <p>STATUS: Production DRWN: J Sanat Kumar 2025-06-20 APPR: Gurunandan GA 2025-06-27</p> <p>CHK'D: Ganesh Rao B 2025-06-27</p> <p>DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</p> <p>THIRD ANGLE PROJECTION</p> <p>DRAWING: C-SIZE SERIES: 76092</p> <p>MATERIAL NUMBER: SEE TABLE CUSTOMER: GENERAL MARKET SHEET NUMBER: 2 OF 4</p>					
ANGULAR TOL		± 5°							
4 PLACES		±							
3 PLACES		±							
2 PLACES		± 0.130							
1 PLACE		± 0.25							
0 PLACES		±							



CIRCUIT NUMBERING
COMPONENT SIDE OF BOARD



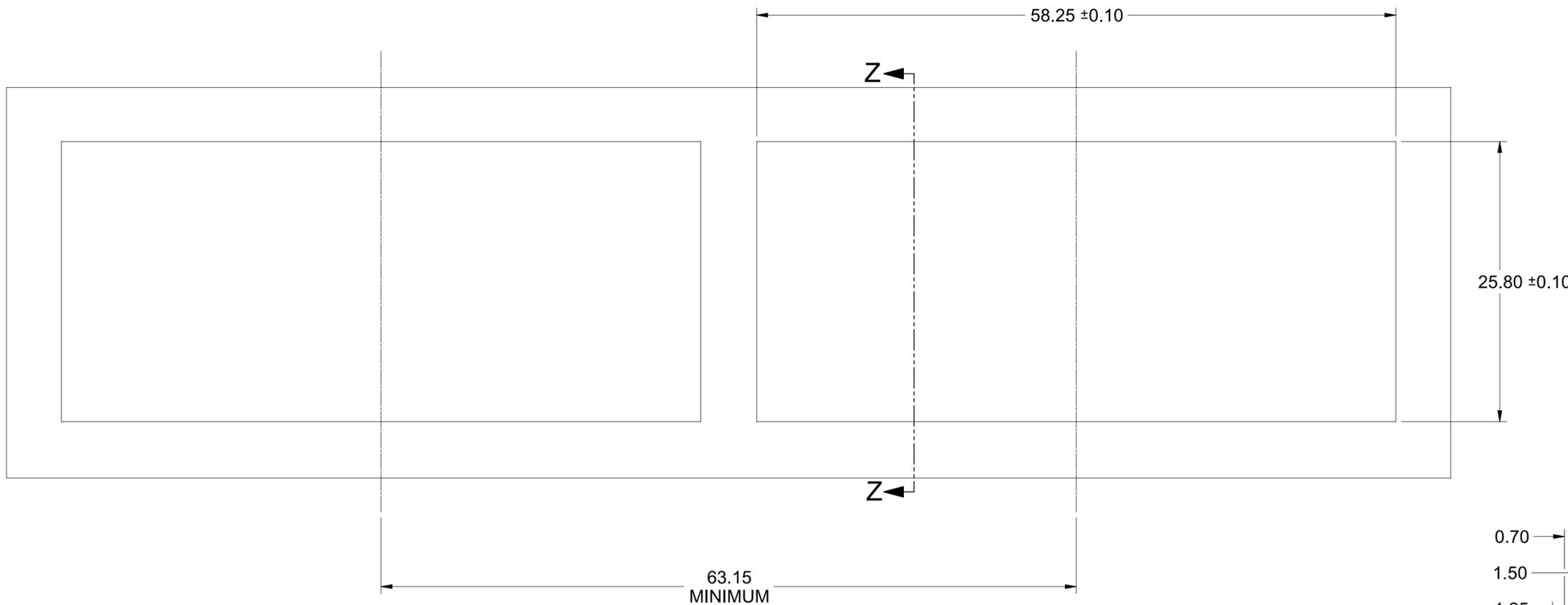
DETAIL A
SCALE 8:1



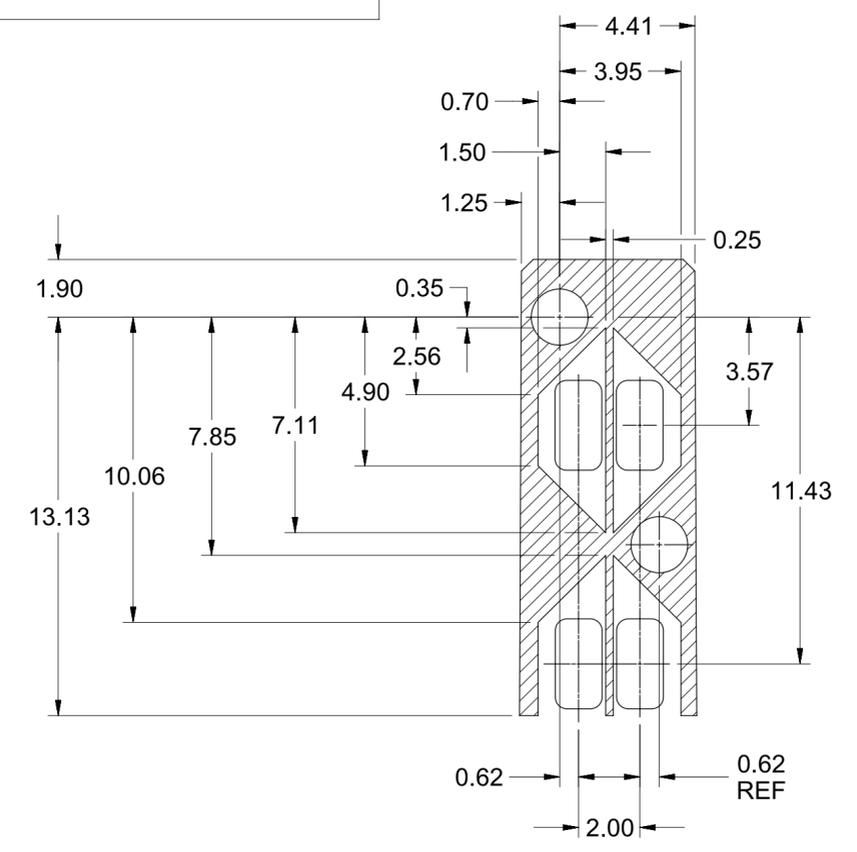
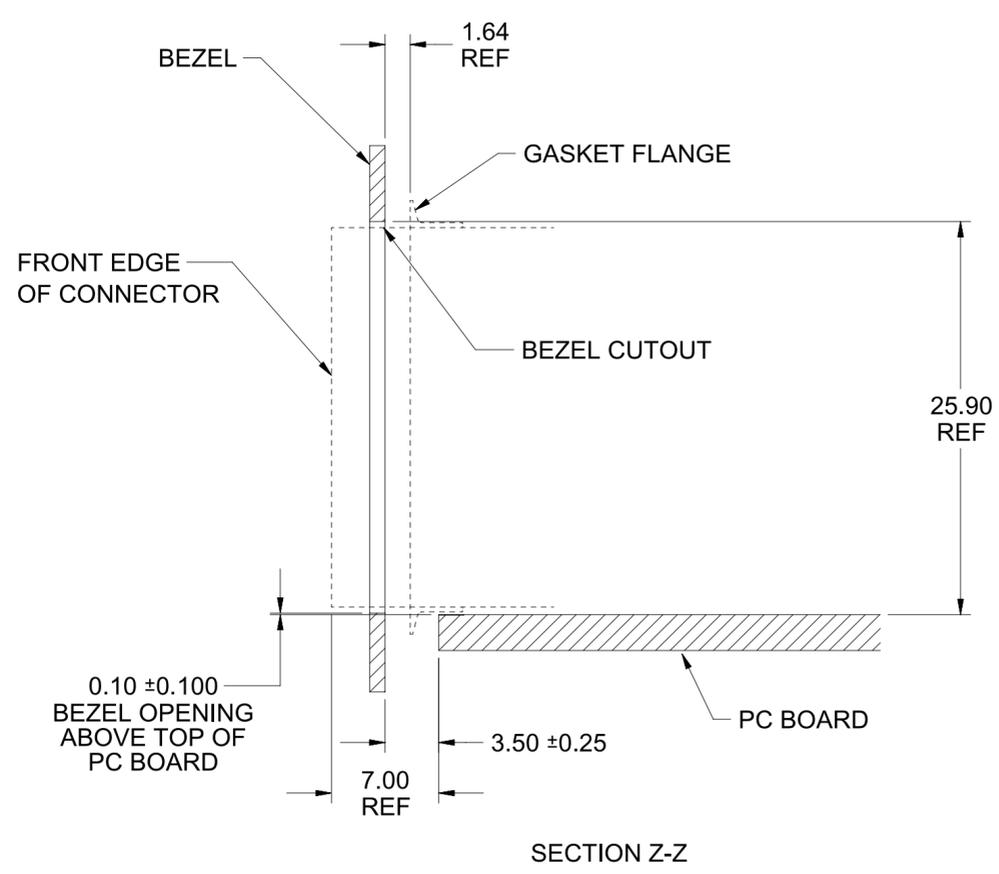
RECOMMENDED PCB LAYOUT - COMPONENT SIDE
MINIMUM PCB THICKNESS OF 1.57 mm
THE ENTIRE AREA OF THE CONNECTOR FOOTPRINT
TO BE CONSIDERED THE KEEP OUT AREA INDICATED
BY THE DASHED LINE

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: REMOVED OBSOLETE PART NUMBERS AS PER PCN#514336																					
MM		3:1		<p>molex</p> <p>STACKED SFP+ 2X4 ASS'Y WITH ELASTOMERIC GASKET AND LIGHTPIPES</p> <p>PRODUCT CUSTOMER DRAWING</p> <table border="1"> <tr> <td colspan="4">DOCUMENT NUMBER</td> <td>DOC TYPE</td> <td>DOC PART</td> <td>REVISION</td> </tr> <tr> <td colspan="4">SD-76092-001</td> <td>PSD</td> <td>001</td> <td>F2</td> </tr> </table>								DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION	SD-76092-001				PSD	001	F2
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				C-SIZE		76092		SEE TABLE		CUSTOMER															
								GENERAL MARKET		SHEET NUMBER															
										3 OF 4															

STATUS: Production
DRWN: J Sanat Kumar 2025-06-20
CHK'D: Ganesh Rao B 2025-06-27
APPR: Gurunandan GA 2025-06-27



**BEZEL CUTOUT CENTER SPACING DETAIL
BEZEL THICKNESS 0.8-2.6**



**KEEP OUT ZONE DETAIL - LIGHTPIPE LOCATION AND OTHER ZONES
SCALE 6:1**

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