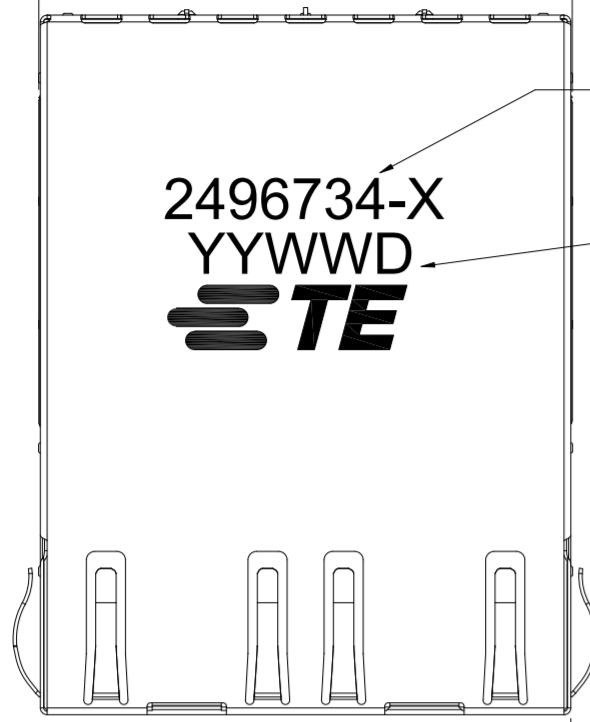


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-301496	10JAN2025	TR	RCG

31.35±0.38 [1.234±.015] Ref.



Marking

2496734-X
YYWWD
TE

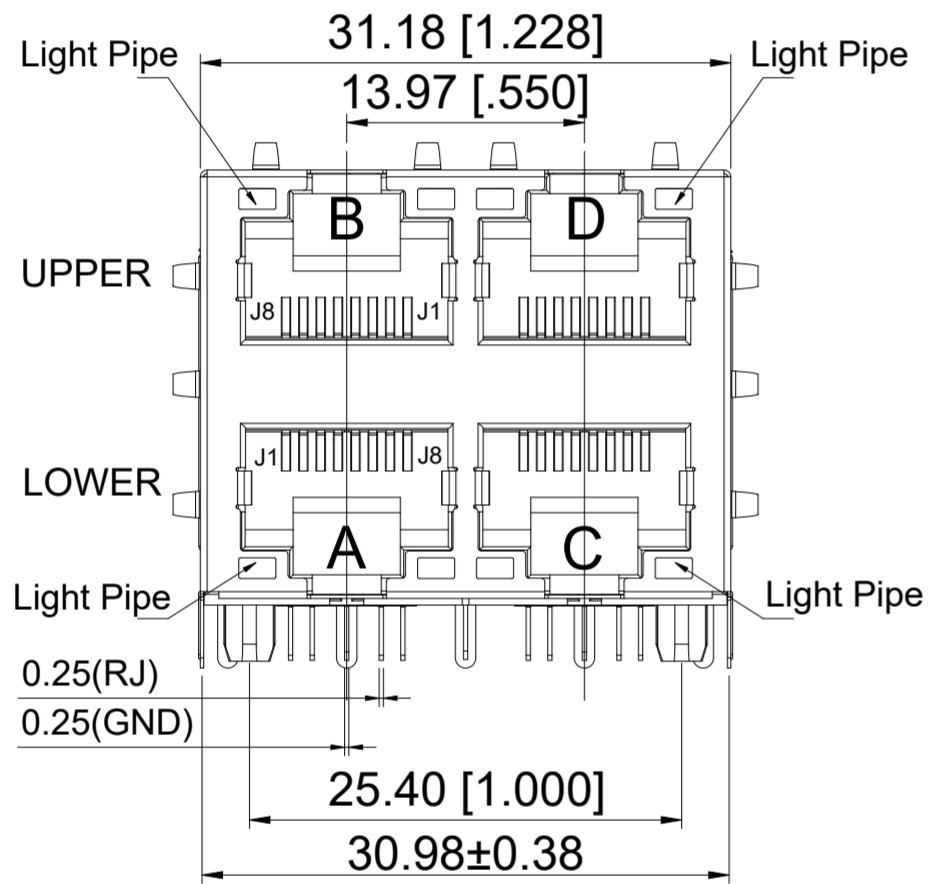
Note:

X= 1,2,3,4,5,6
YY=YEAR
WW=WEEK
D=1 for Sunday - 7 for Saturday

1.60±0.38

NOTE :

- 1.HOUSING:GLASS FILLED PA6T(BLACK) UL94V-0(ROHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
- 3.SHIELD:0.2mm THICKNESS WITH BRASS.
- 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F
- 5.THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX,10 SECS MAX.
- 6.OPERATING TEMPERATURE: -40°C TO +85°C. STORAGE TEMPERATURE:-40°C TO +85°C.



Light Pipe

31.18 [1.228]

13.97 [.550]

UPPER

J8 J1

UPPER

LOWER

J1 J8

LOWER

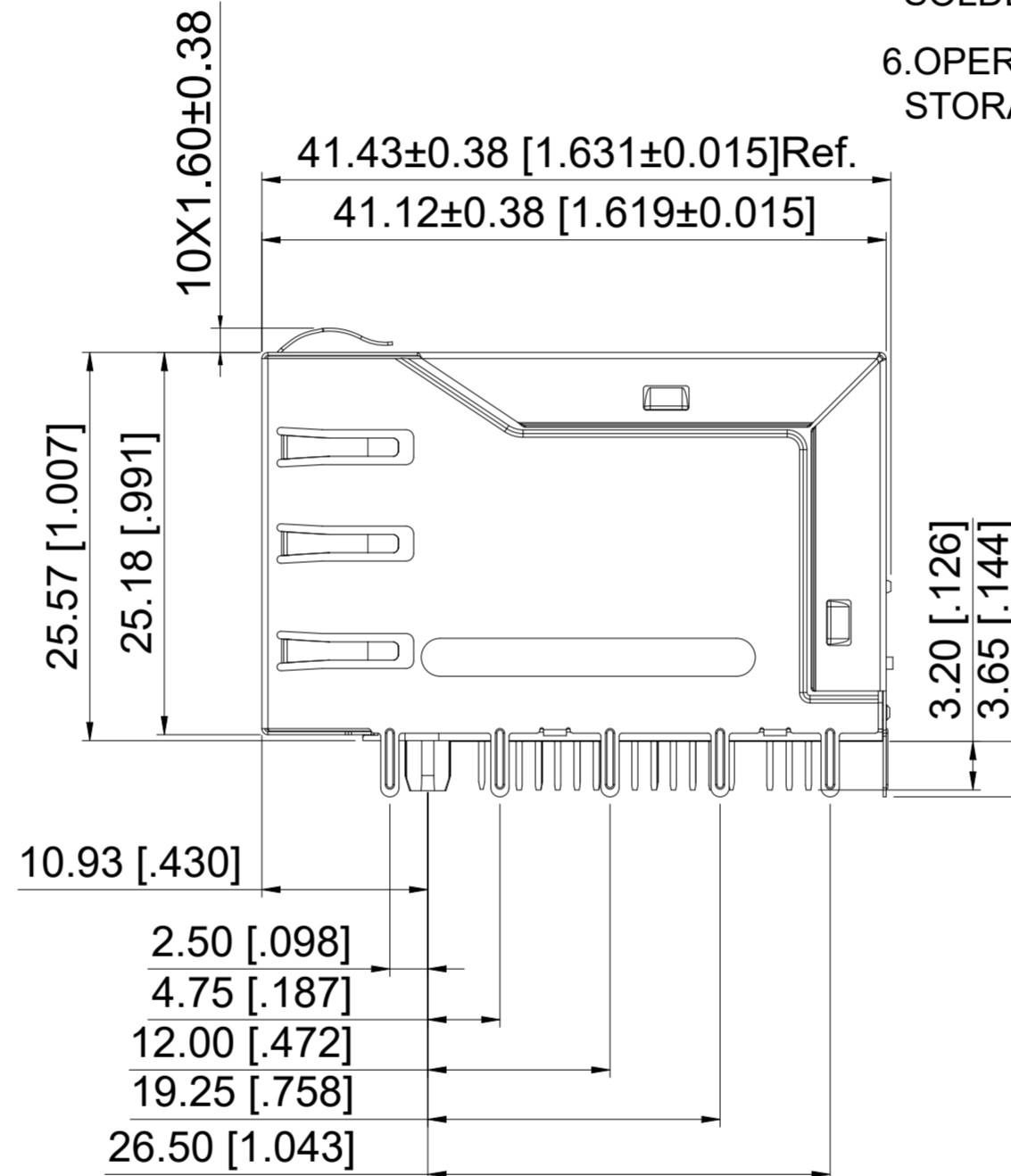
Light Pipe

0.25(RJ)

0.25(GND)

25.40 [1.000]

30.98±0.38



10X1.60±0.38

41.43±0.38 [1.631±0.015]Ref.

41.12±0.38 [1.619±0.015]

25.57 [1.007]

25.18 [.991]

3.20 [.126]

3.65 [.144]

10.93 [.430]

2.50 [.098]

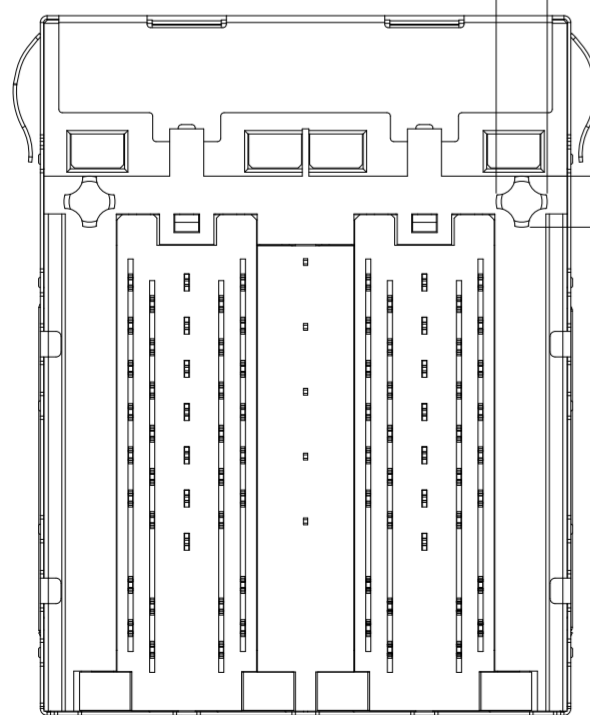
4.75 [.187]

12.00 [.472]

19.25 [.758]

26.50 [1.043]

3.00 [.118]

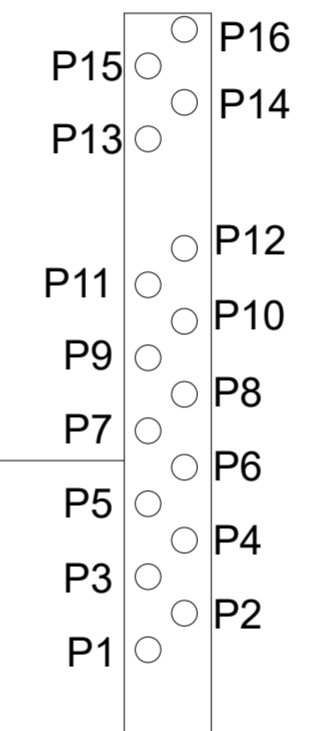
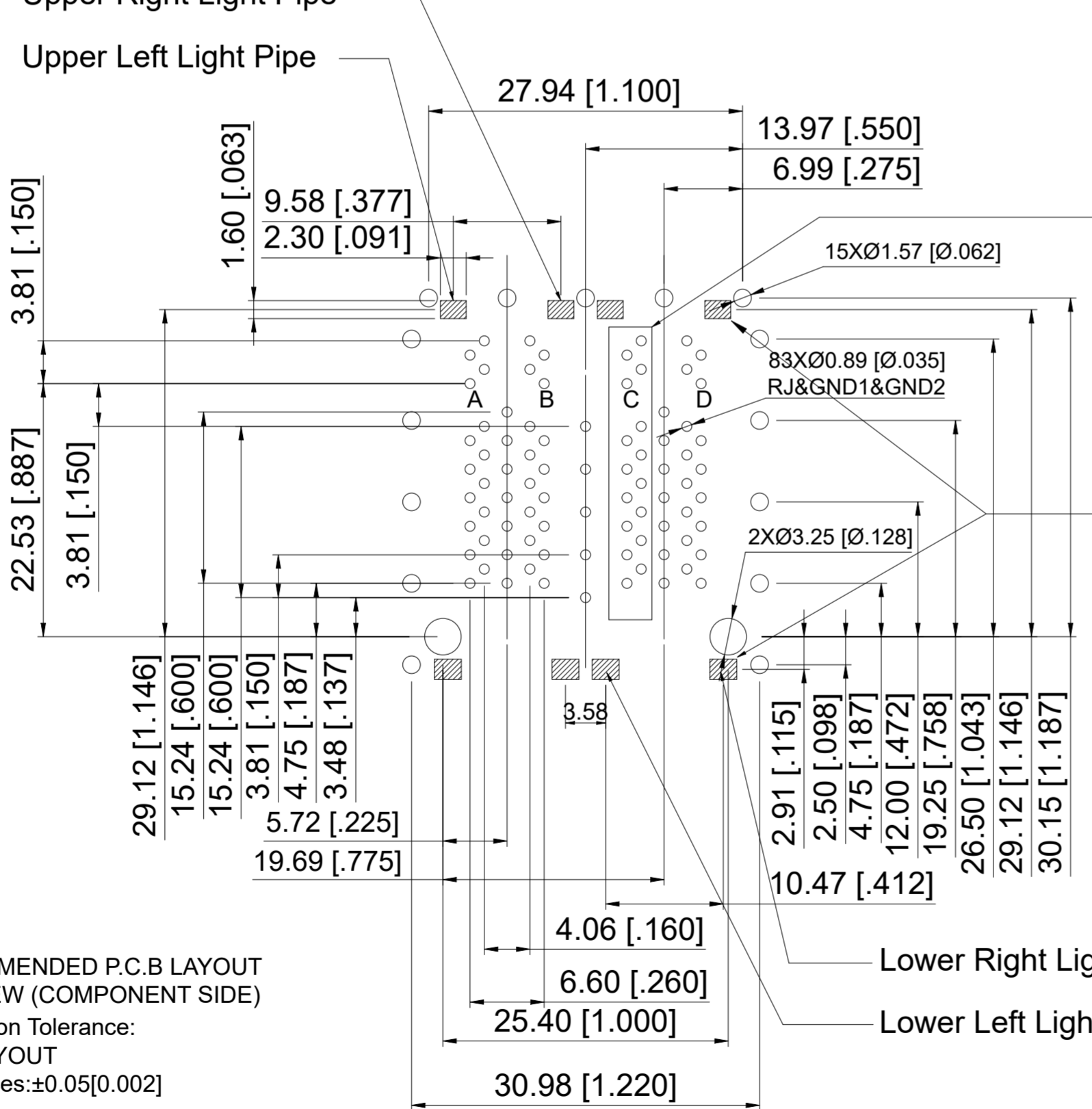
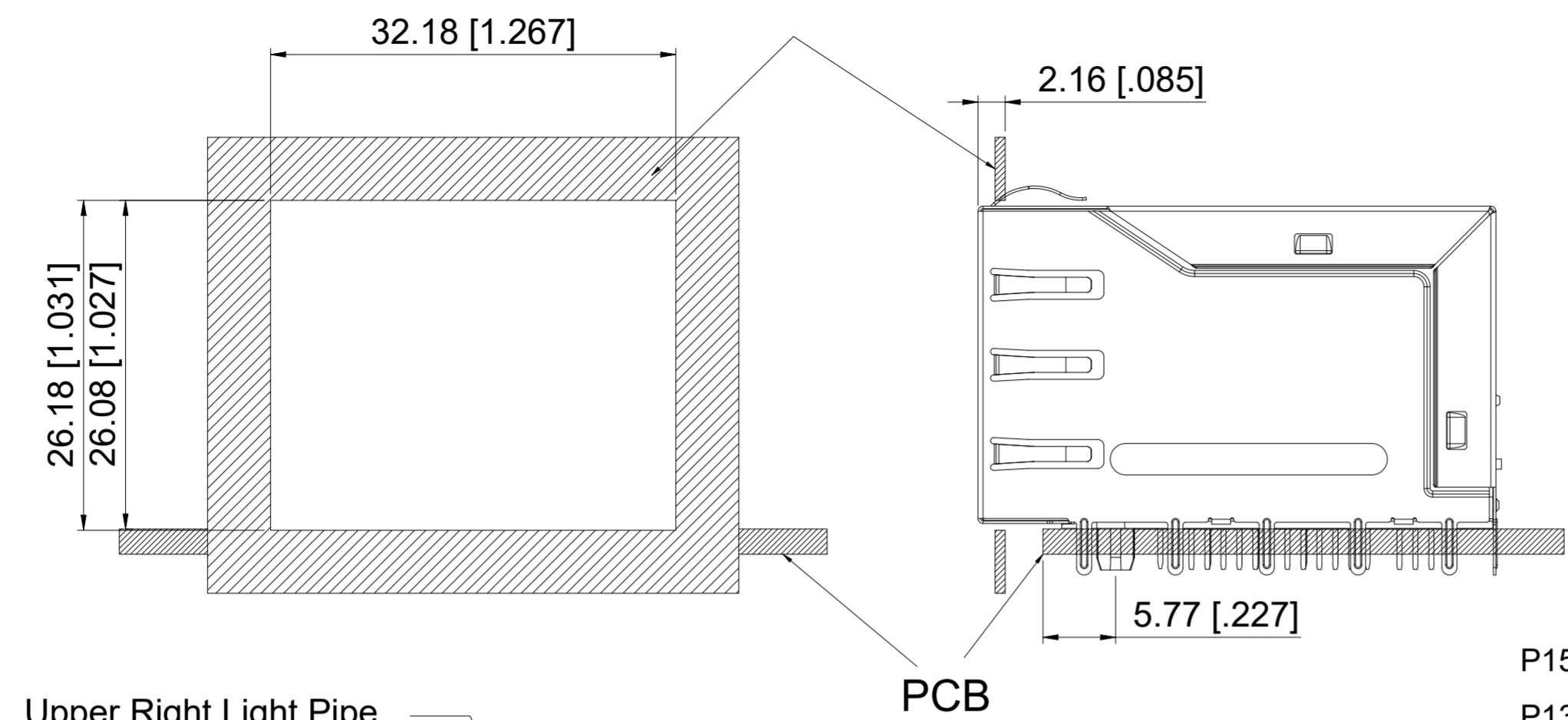


3.00 [.118]

GOLD PLATING THICKNESS	PART NUMBER
GF	2496734-6
0.0762 μm [3μ"]	2496734-5
0.1524 μm [6μ"]	2496734-4
0.381 μm [15μ"]	2496734-3
0.762 μm [30μ"]	2496734-2
1.27 μm [50μ"]	2496734-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R	04NOV2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER	05OCT2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG	05OCT2024	NAME RJ45 W/MAGNET 2X2 5G POE 60W LIGHT PIPE	
0 PLC ± -		PRODUCT SPEC	108-161622	SIZE	
1 PLC ± 0.35		APPLICATION SPEC	114-161219	CAGE CODE	DRAWING NO
2 PLC ± 0.25		MATERIAL	0	00779	C=246734
3 PLC ± 0.15		FINISH	-	SCALE	SHEET
4 PLC ± -				1:1	1 of 3
ANGLES ± 2°				REV	A
CUSTOMER DRAWING					

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



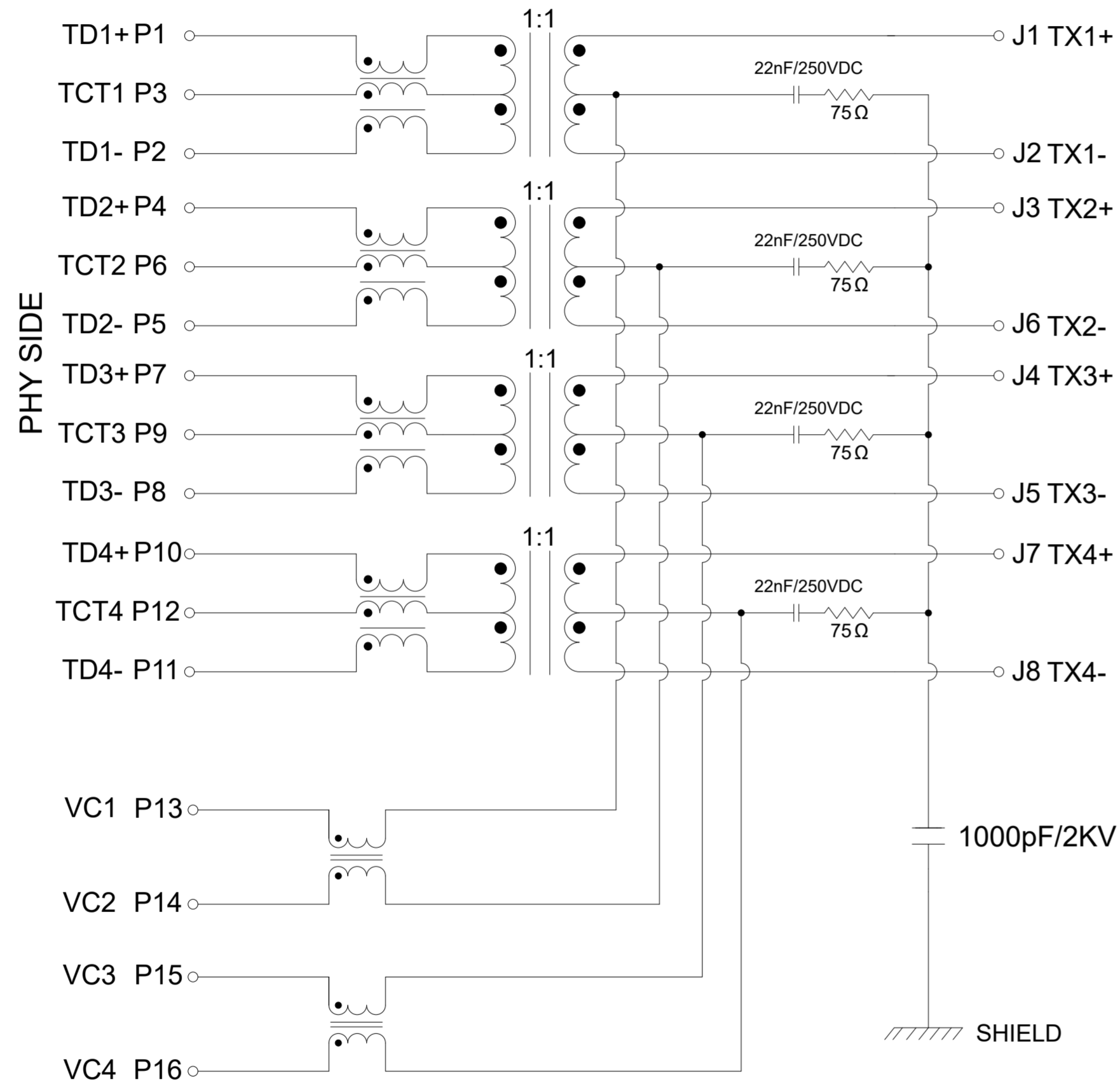
SMT LED position area, LED height is less than 1.60mm

RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)
Dimension Tolerance:
PCB LAYOUT
Tolerances:±0.05[0.002]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05OCT2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05OCT2024	NAME RJ45 W/MAGNET 2X2 5G POE 60W LIGHT PIPE	
0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161622	RESTRICTED TO	
MATERIAL		APPLICATION SPEC 114-161219	SIZE A2	CAGE CODE 00779
FINISH		WEIGHT	DRAWING NO C=246734	SCALE 1:1
		CUSTOMER DRAWING	SHEET 2 OF 3	REV A

P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	120uH MIN@100KHz/100mV With 15mA DC Bias For(CHANNEL1,2,3,4)
INSERTION LOSS(IL)	-0.5dB MAX@1MHz-50MHz; -1.0dB MAX@50MHz-125MHz; -2.0dB MAX@125MHz-200MHz; -2.5dB MAX@200MHz-250MHz;
RETURN LOSS(RL) (Z out=100 OHM)	-20dB MIN@1MHz-50MHz; -20+15LOG(f/40MHz)dB MIN@50MHz-250MHz;
CROSSTALK (ADJACENT CHANNELS)	-25dB MIN@1MHz-125MHz; -20dB MIN@125MHz-250MHz;
COMMON MODE REJECTION RATIO(CMRR)	-20dB MIN@1MHz-250MHz;
COMMON TO DIFFERENTIAL MODE REJECTION(REF)	-20dB MIN@1MHz-250MHz;
HI-POT	2250 VDC@60 SECONDS
DC CURRENT/VOLTAGE RATING-PSE PINS	720mA MAXIMUM@57VDC(CONTINUOUS)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024																				
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05OCT2024																				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05OCT2024	NAME RJ45 W/MAGNET 2X2 5G POE 60W LIGHT PIPE																			
<table border="1"> <tr><td>0 PLC</td><td>±</td><td>-</td></tr> <tr><td>1 PLC</td><td>±</td><td>0.35</td></tr> <tr><td>2 PLC</td><td>±</td><td>0.25</td></tr> <tr><td>3 PLC</td><td>±</td><td>0.15</td></tr> <tr><td>4 PLC</td><td>±</td><td>-</td></tr> <tr><td>ANGLES</td><td>±</td><td>2°</td></tr> </table>		0 PLC	±	-	1 PLC	±	0.35	2 PLC	±	0.25	3 PLC	±	0.15	4 PLC	±	-	ANGLES	±	2°	PRODUCT SPEC 108-161622	RESTRICTED TO	
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FINISH		WEIGHT -	DRAWING NO C=246734																			
		CUSTOMER DRAWING		SCALE 1:1																		
		SHEET 3 OF 3		REV A																		