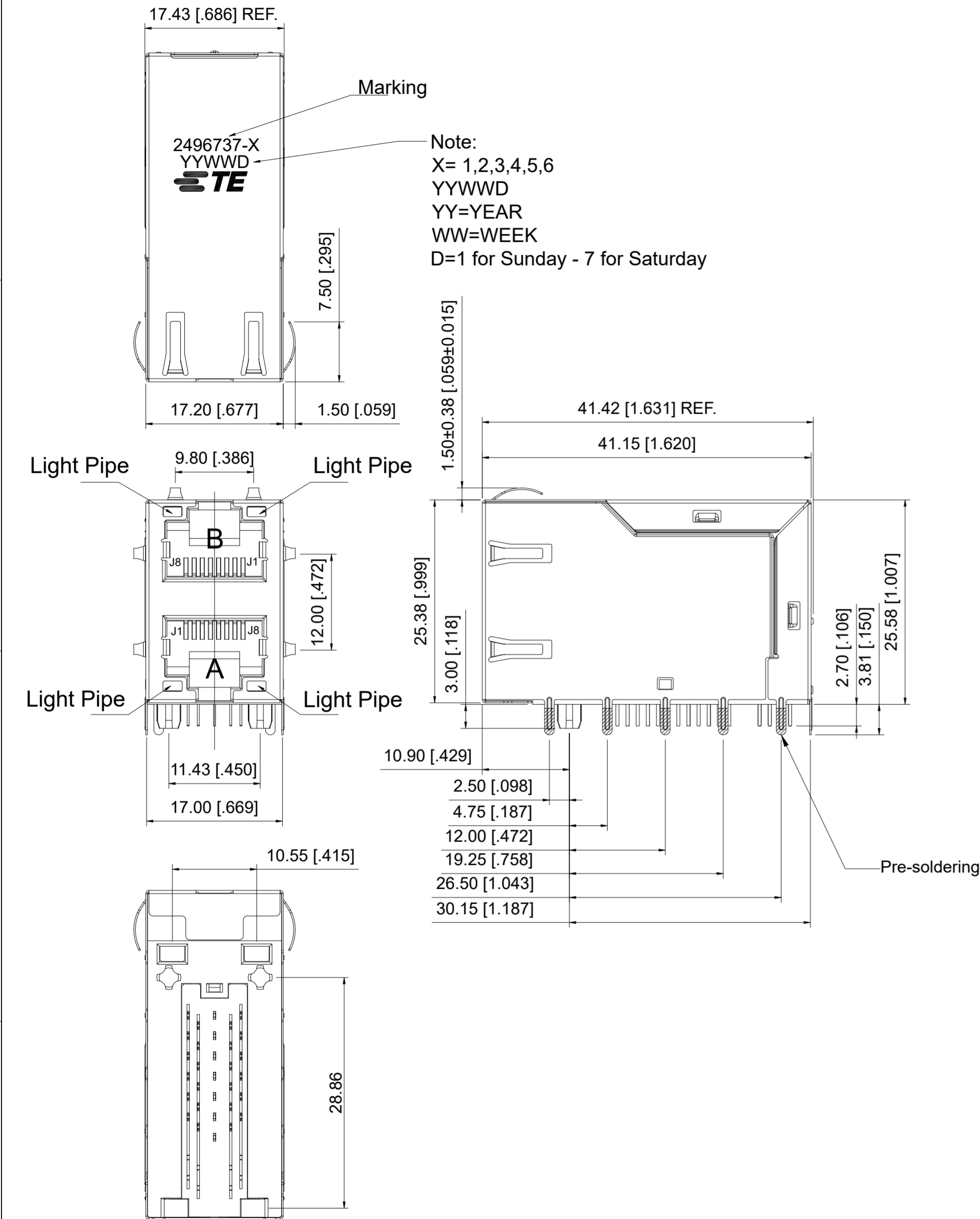
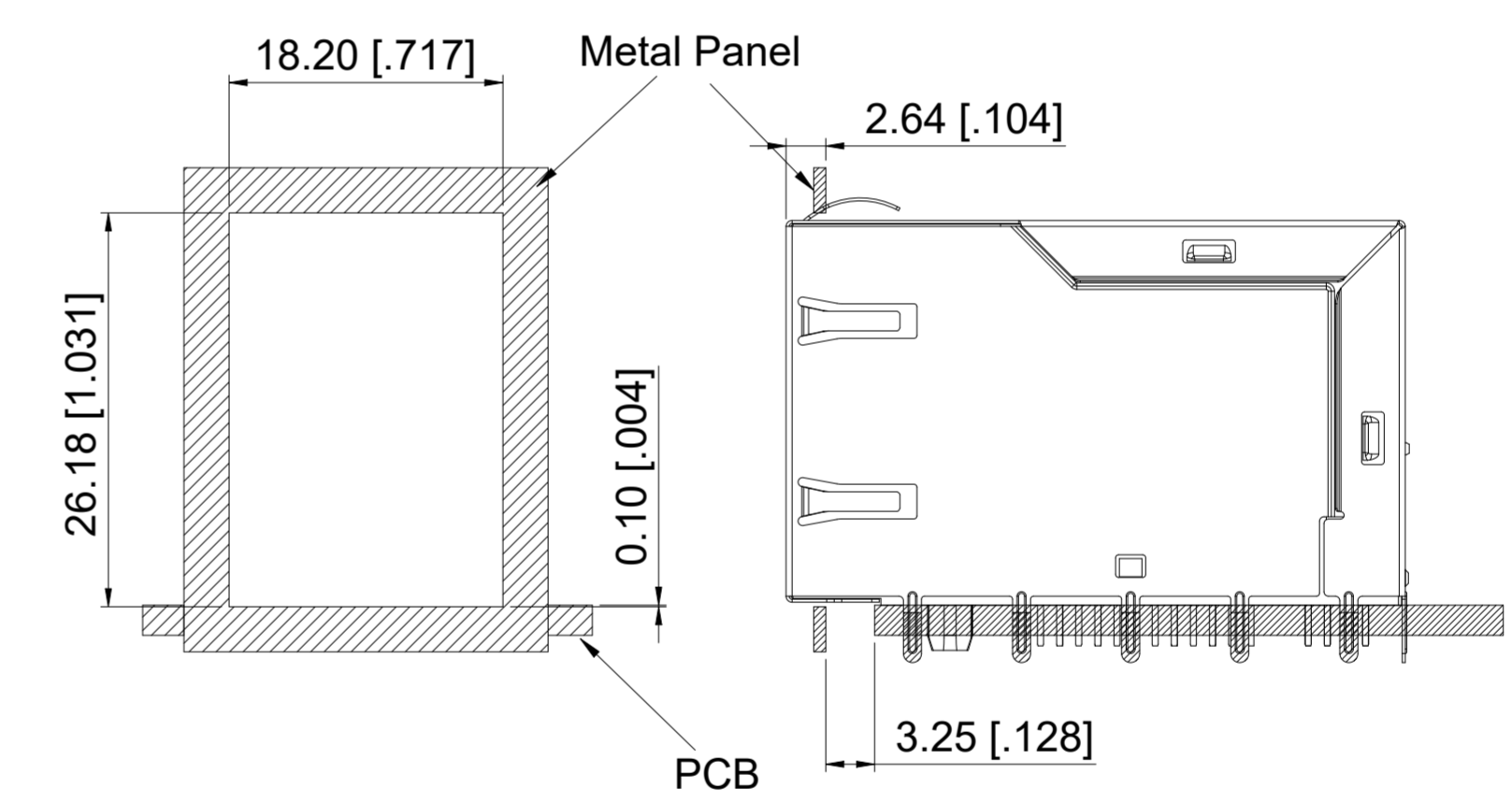


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-301496	10JAN2025	TR	RCG



**NOTE :**

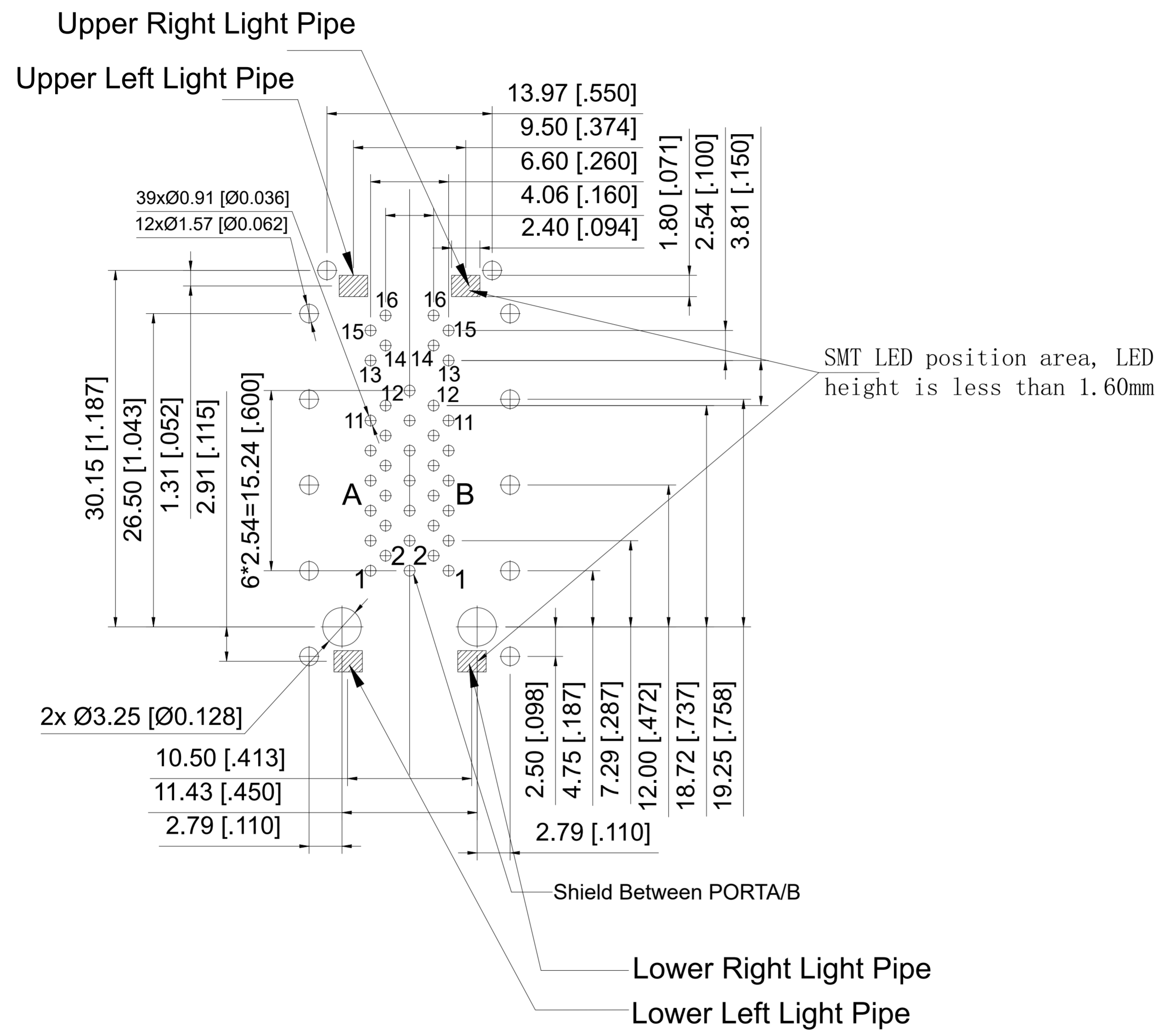
- 1.HOUSING:GLASS FILLED PA6T(BLACK) UL94V-0(RoHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
- 3.SHIELD:0.2mm THICKNESS WITH COPPER ALLOY.
- 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART 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.



GOLD PLATING THICKNESS	PART NUMBER
GF	2496737-6
0.0762 μm [3μ"]	2496737-5
0.1524 μm [6μ"]	2496737-4
0.381 μm [15μ"]	2496737-3
0.762 μm [30μ"]	2496737-2
1.27 μm [50μ"]	2496737-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024	<b>TE</b> TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05NOV2024	NAME RJ45 W/MAGNET 2X1 10G 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=2496737	
		CUSTOMER DRAWING		SCALE 1:1
				SHEET 1 OF 3
				REV A

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



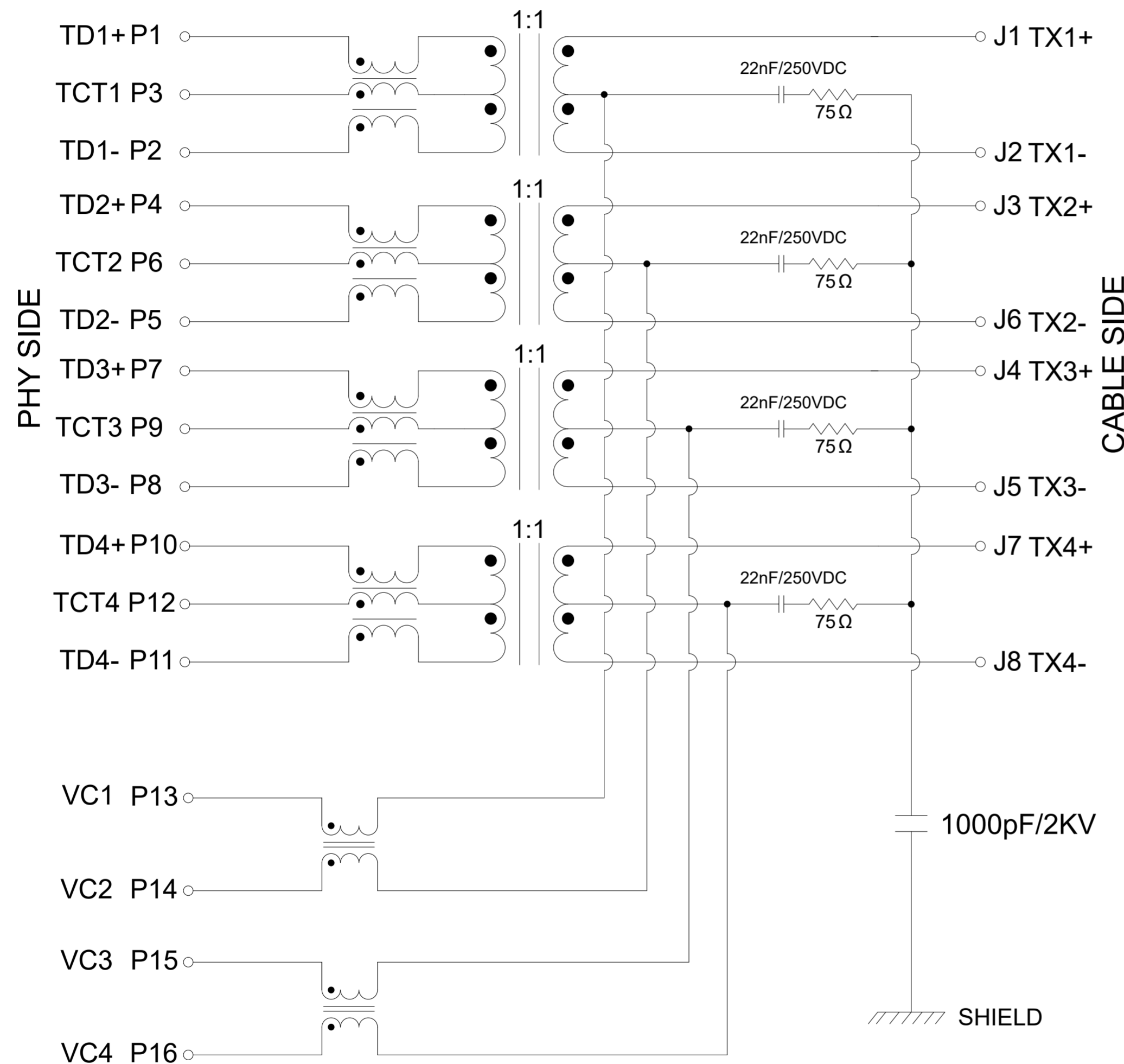
RECOMMENDED P.C.B LAYOUT  
TOP VIEW (COMPONENT SIDE)

Dimension Tolerances:  
PCB LAYOUT  
Tolerances:±0.05[0.002]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	04NOV2024		
DIMENSIONS: mm [INCHES]		CHK	TARUN, R		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	RAMESH, KIVADER		
0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC	RAGHAVAN, CG		
MATERIAL		APPLICATION SPEC	108-161622		NAME
FINISH		WEIGHT	114-161219		RJ45 W/MAGNET 2X1 10G POE 60W LIGHT PIPE
		CUSTOMER DRAWING	SCALE	1:1	SHEET
				2 OF 3	REV
				A	A

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

# Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±2%
INDUCTANCE(OCL)	120uH MIN@100KHz/100mV With 15mA DC Bias For(Channel1/2/3/4)
INSERTION LOSS	-3.0dBMAX@1-500MHz;
RETURN LOSS	-22dBMIN@1-100MHz; -22+20.75xLOG(f/100)dBMIN@100-500MHz;
CROSSTALK (ADJACENT CHANNELS)	-28dBMIN@1-100MHz; -19dBMIN@100-500MHz;
CROSSTALK (PORT TO PORT)	-50dBMIN@1-100MHz; -50dBMIN@100-500MHz;
COMMON MODE REJECTION RATIO	-30dBMIN@1-100MHz; -20dBMIN@100-500MHz;
COMMON MODE TO DIFFERENTIAL MODE ATTENUATION	-30dBMIN@1-100MHz; -20dBMIN@100-500MHz;
DC CURRENT/VOLTAGE RATING-PSE PINS	720mA MAXIMUM@57VDC(CONTINUOUS)
HI-POT	2250VDC@60 SECONDS(Channel1/2/3/4)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024																				
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024																				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05NOV2024	NAME RJ45 W/MAGNET 2X1 10G POE 60W LIGHT PIPE																			
<table border="0"> <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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MATERIAL		APPLICATION SPEC 114-161219	SIZE A2	CAGE CODE 00779	DRAWING NO C=2496737																	
FINISH		WEIGHT	SCALE 1:1		SHEET 3 OF 3																	
		CUSTOMER DRAWING		REV A																		