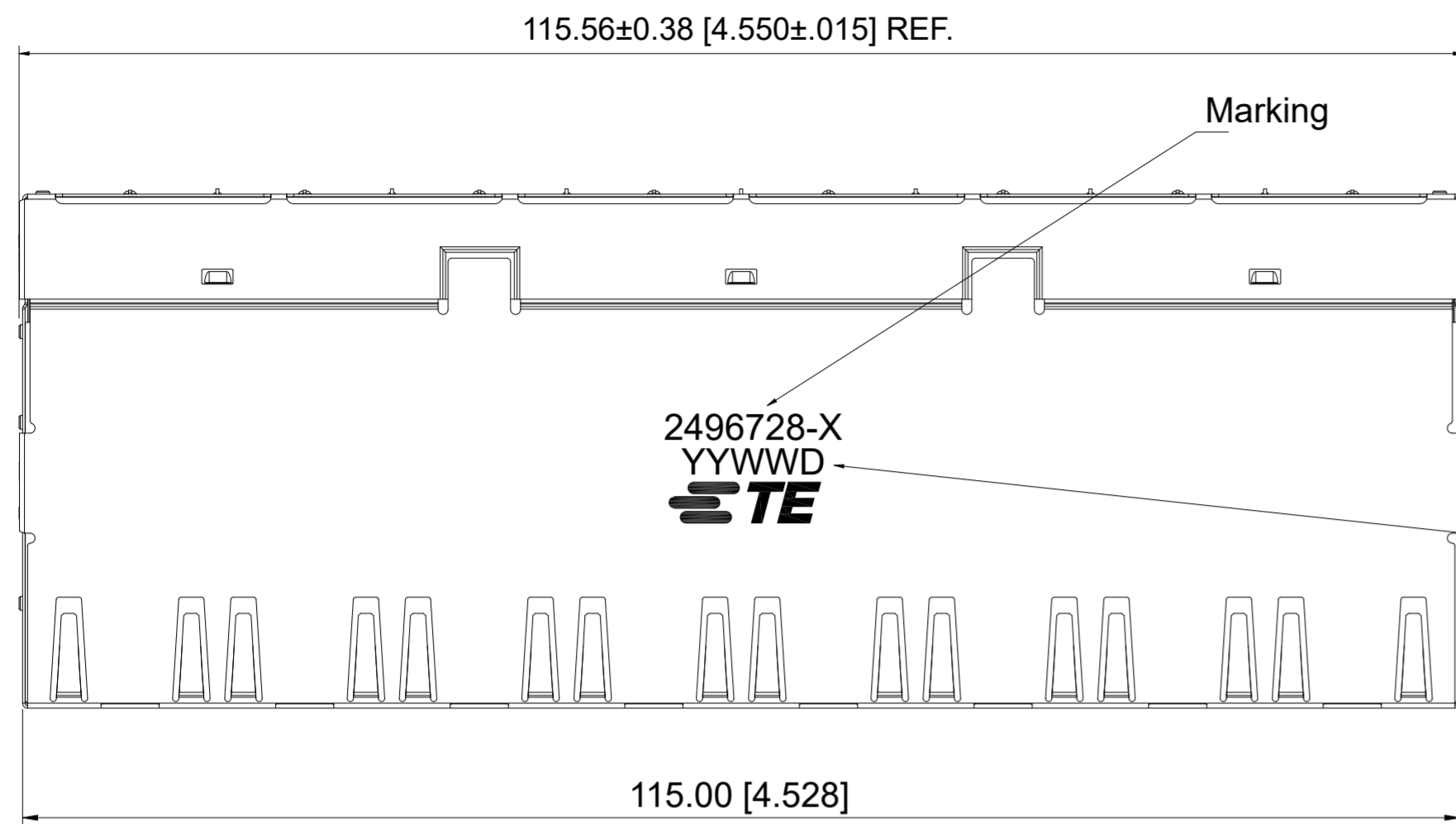


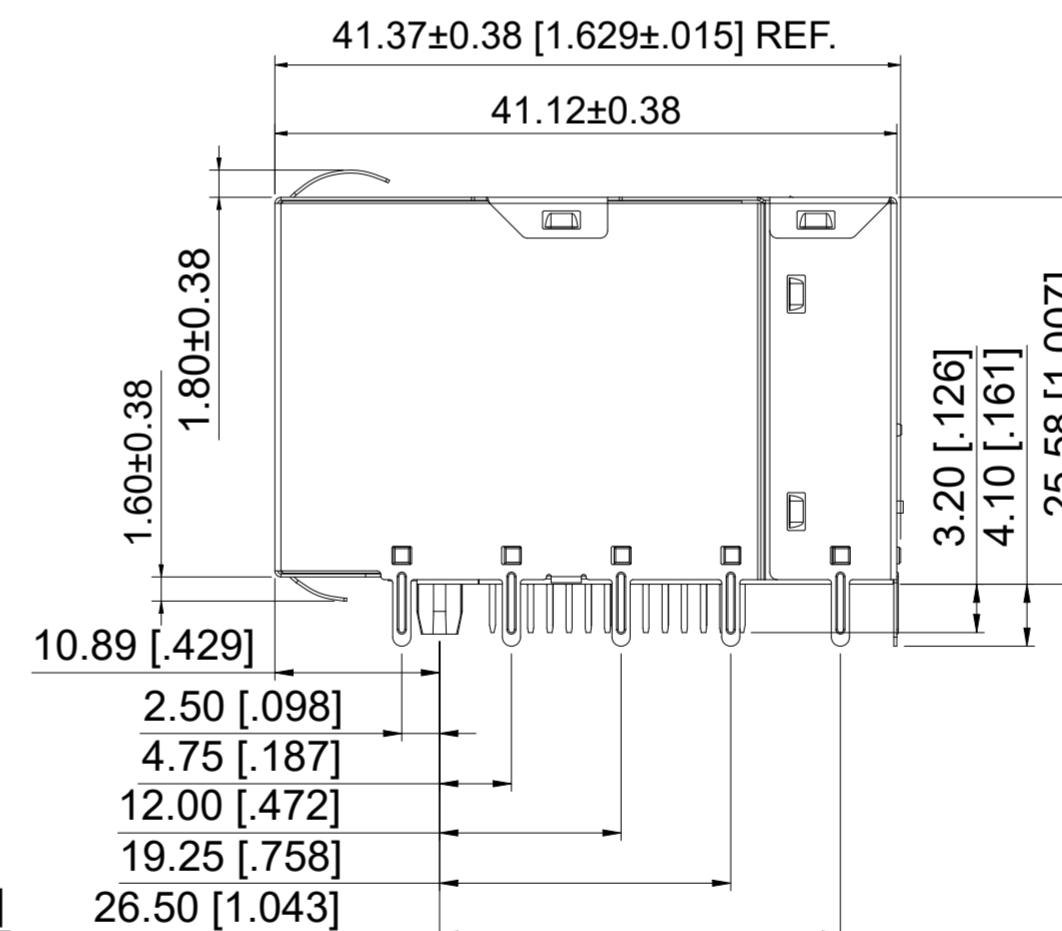
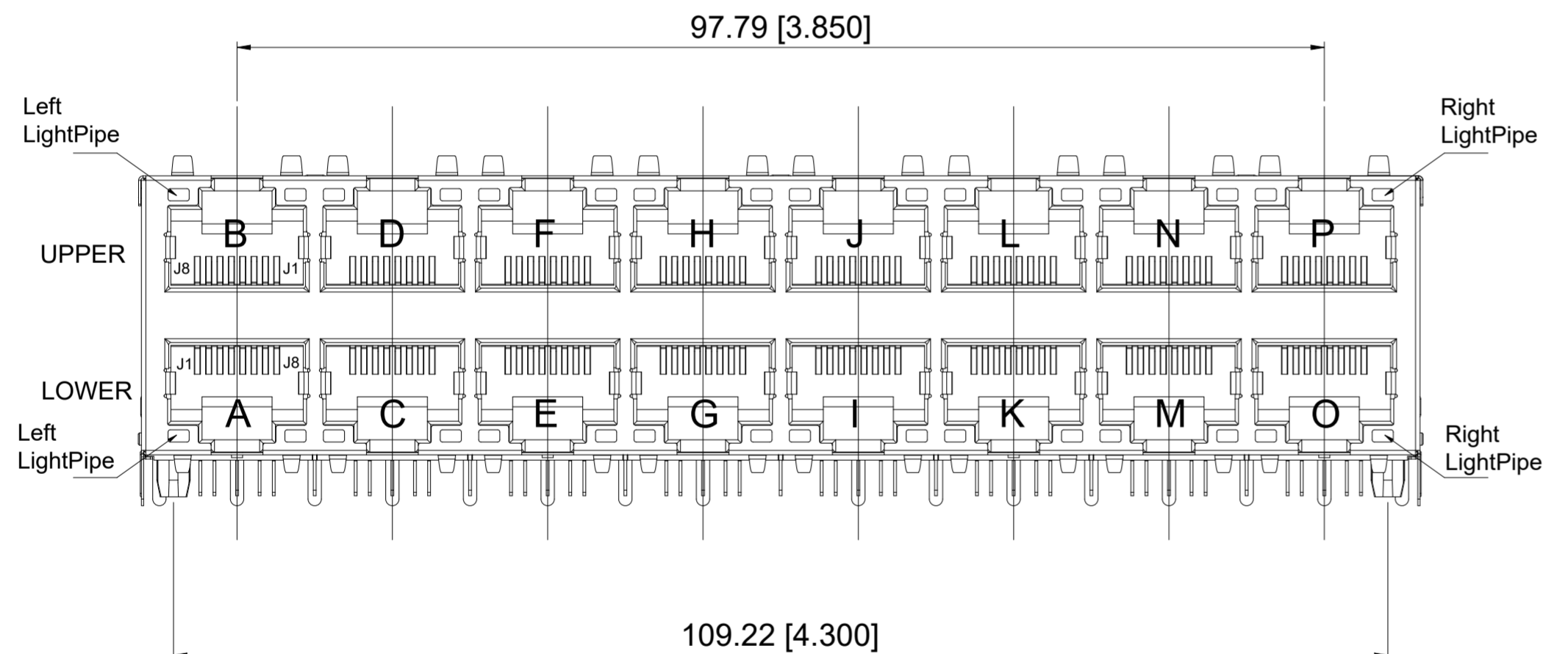
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-302719	22JAN2025	TR	RCG



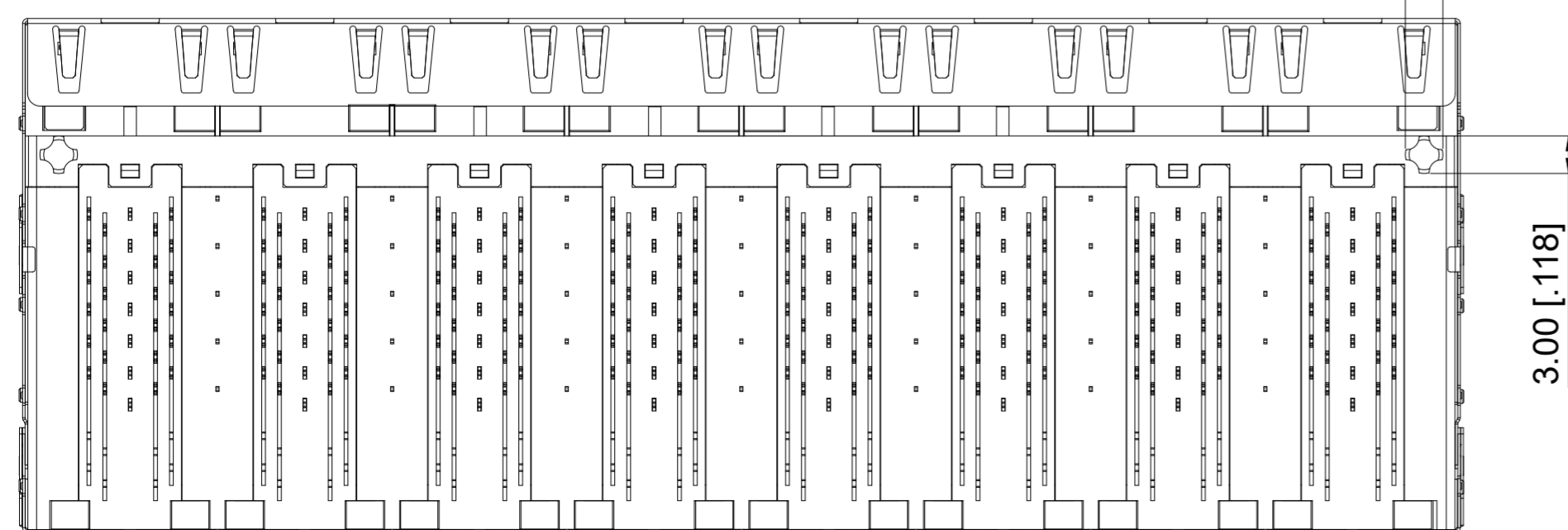
NOTE :

- 1.HOUSING:GLASS FILLED PA6T(BLACK) UL94V-0(RoHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICRINCHES 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.

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

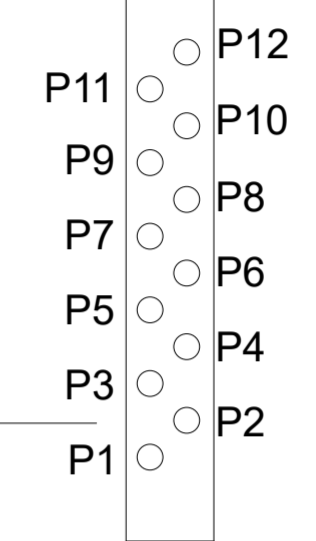
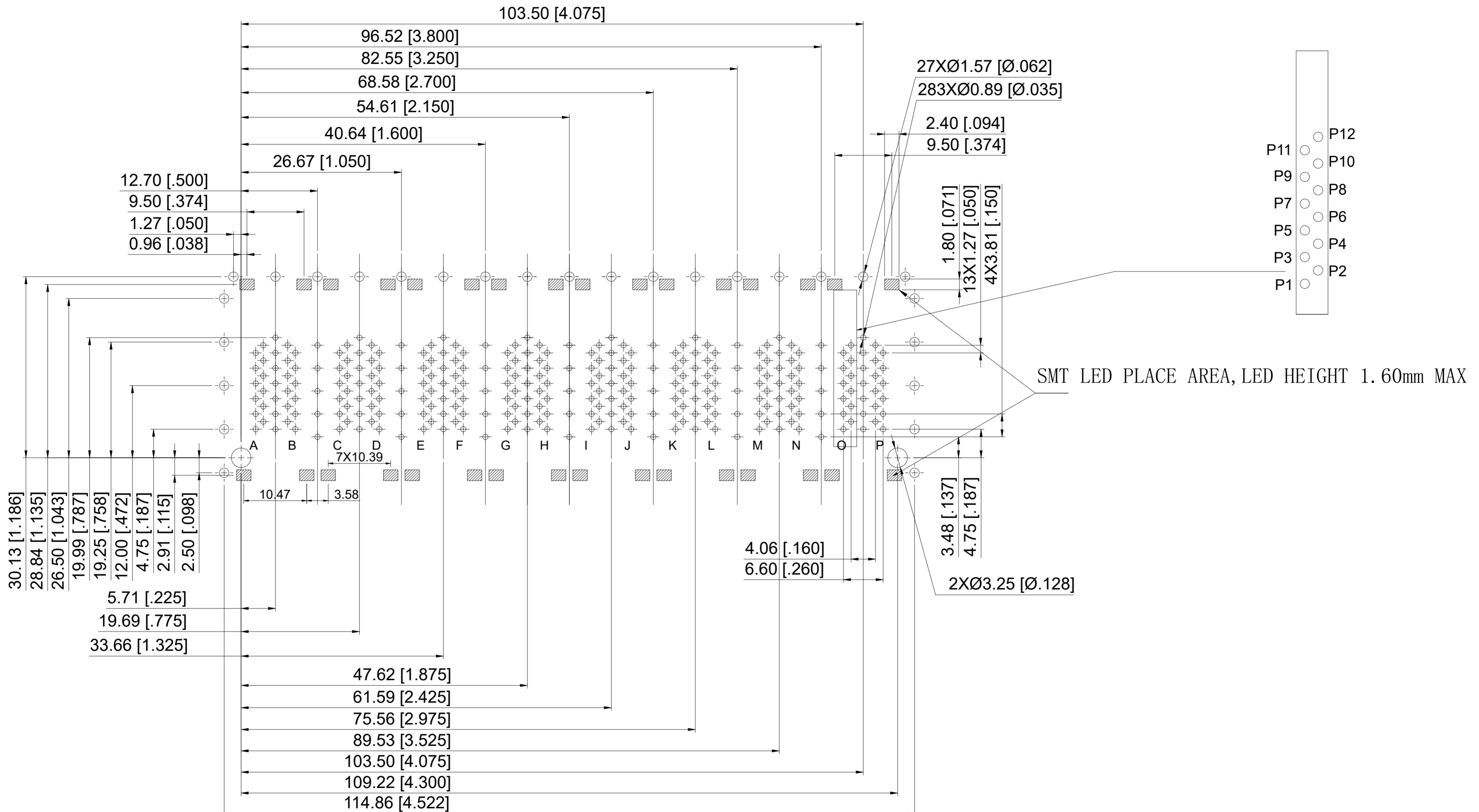


GF	PART NUMBER
0.0762 μm [3μ"]	2496728-6
0.1524 μm [6μ"]	2496728-5
0.381 μm [15μ"]	2496728-4
0.762 μm [30μ"]	2496728-3
1.27 μm [50μ"]	2496728-2
	2496728-1
<b>GOLD PLATING THICKNESS</b>	<b>PART NUMBER</b>



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 14NOV2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 15NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 15NOV2024	NAME RJ45 W/MAGNET 2X8 5G LIGHT PIPE	
0 PLC ± -		PRODUCT SPEC 108-161620	SIZE A2	
1 PLC ± 0.35		APPLICATION SPEC 114-161217	CAGE CODE 00779	DRAWING NO C=2496728
2 PLC ± 0.25		WEIGHT -	RESTRICTED TO -	
3 PLC ± 0.15		MATERIAL -	SCALE 1:1	SHEET 1 OF 4
4 PLC ± -		FINISH -	REV A	
ANGLES ± 2°		CUSTOMER DRAWING		

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

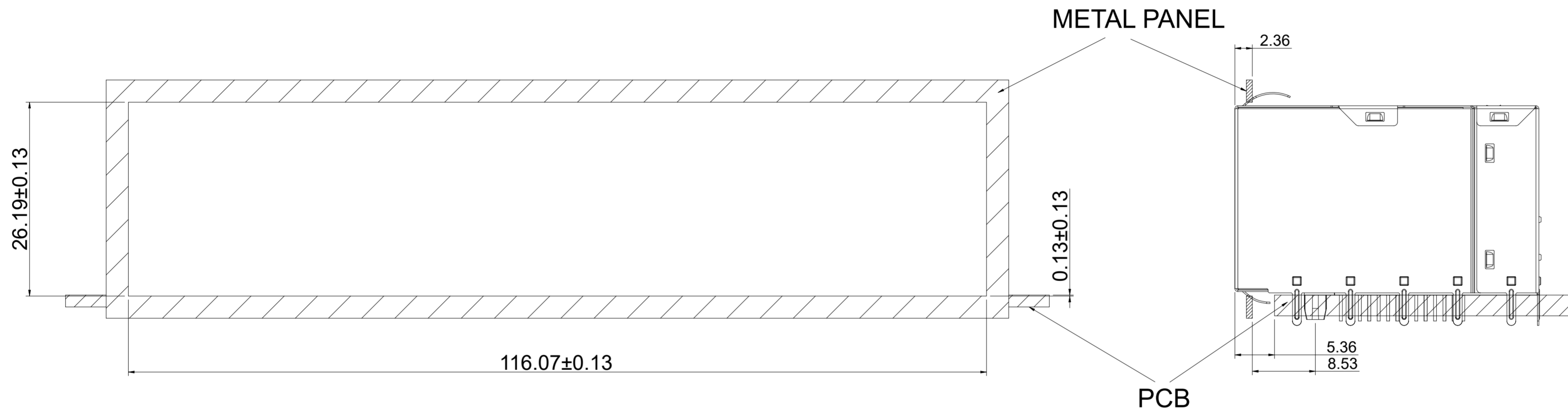


RECOMMENDED P.C.B LAYOUT  
TOP VIEW (COMPONENT SIDE)

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 14NOV2024		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 15NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 15NOV2024	NAME RJ45 W/MAGNET 2X8 5G LIGHT PIPE	
0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161620	RESTRICTED TO	
MATERIAL		APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779
FINISH		WEIGHT -	DRAWING NO C=2496728	SCALE 1:1
		CUSTOMER DRAWING	SHEET 2 of 4	REV A

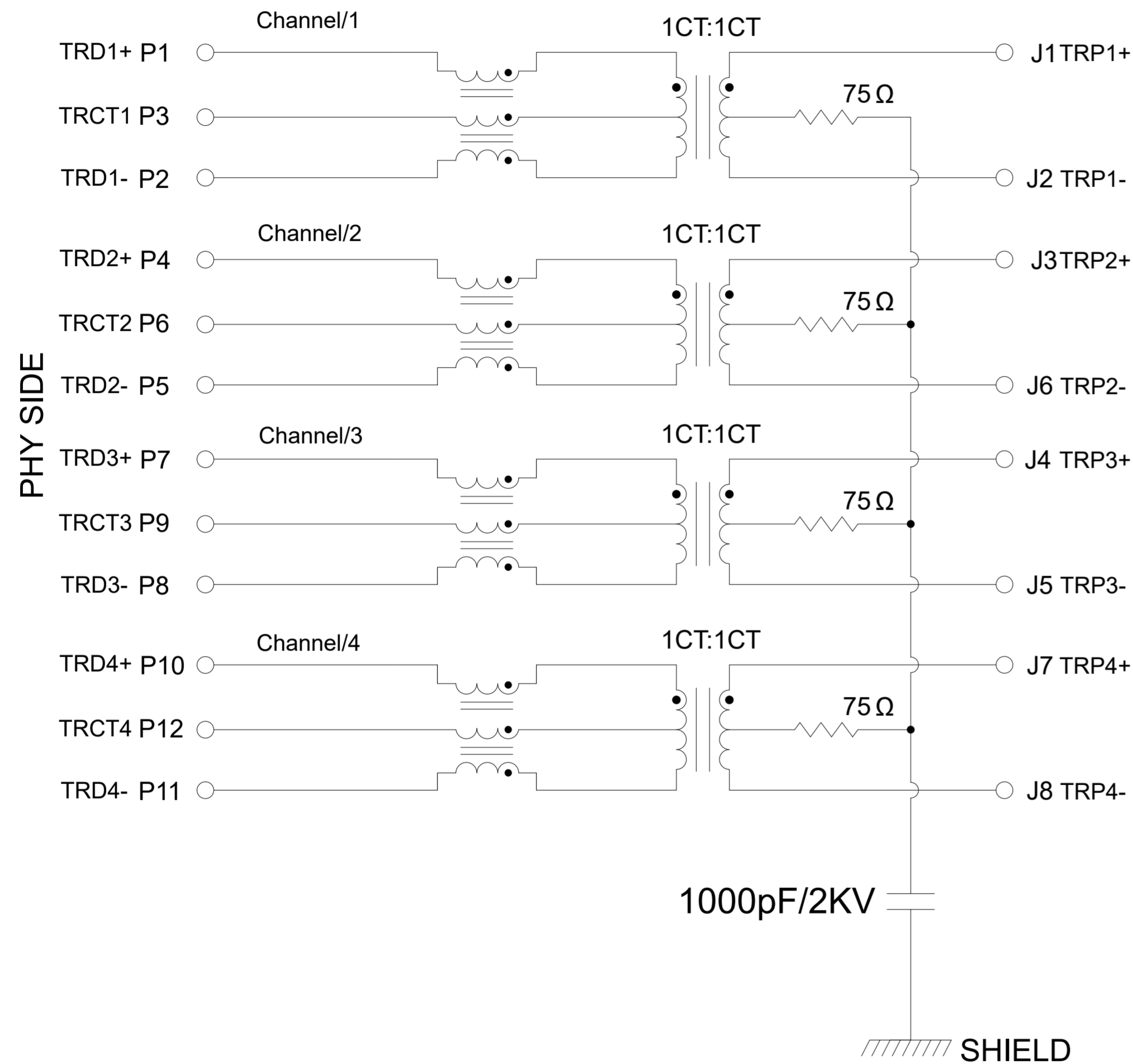
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 14NOV2024																				
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 15NOV2024																				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 15NOV2024	NAME RJ45 W/MAGNET 2X8 5G 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 108-161620	RESTRICTED TO -	
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ANGLES	±	2°																				
MATERIAL		APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779	DRAWING NO C=2496728																	
FINISH		WEIGHT -	SCALE 1:1		SHEET 3 OF 4																	
		CUSTOMER DRAWING		REV A																		

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

# Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
URNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	120uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL 1,2,3,4)
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

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DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 15NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 15NOV2024	NAME RJ45 W/MAGNET 2X8 5G LIGHT PIPE	
0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161620	RESTRICTED TO	
MATERIAL		APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779
FINISH		WEIGHT -	DRAWING NO C=2496728	SCALE 1:1
		CUSTOMER DRAWING	SHEET 4 OF 4	REV A