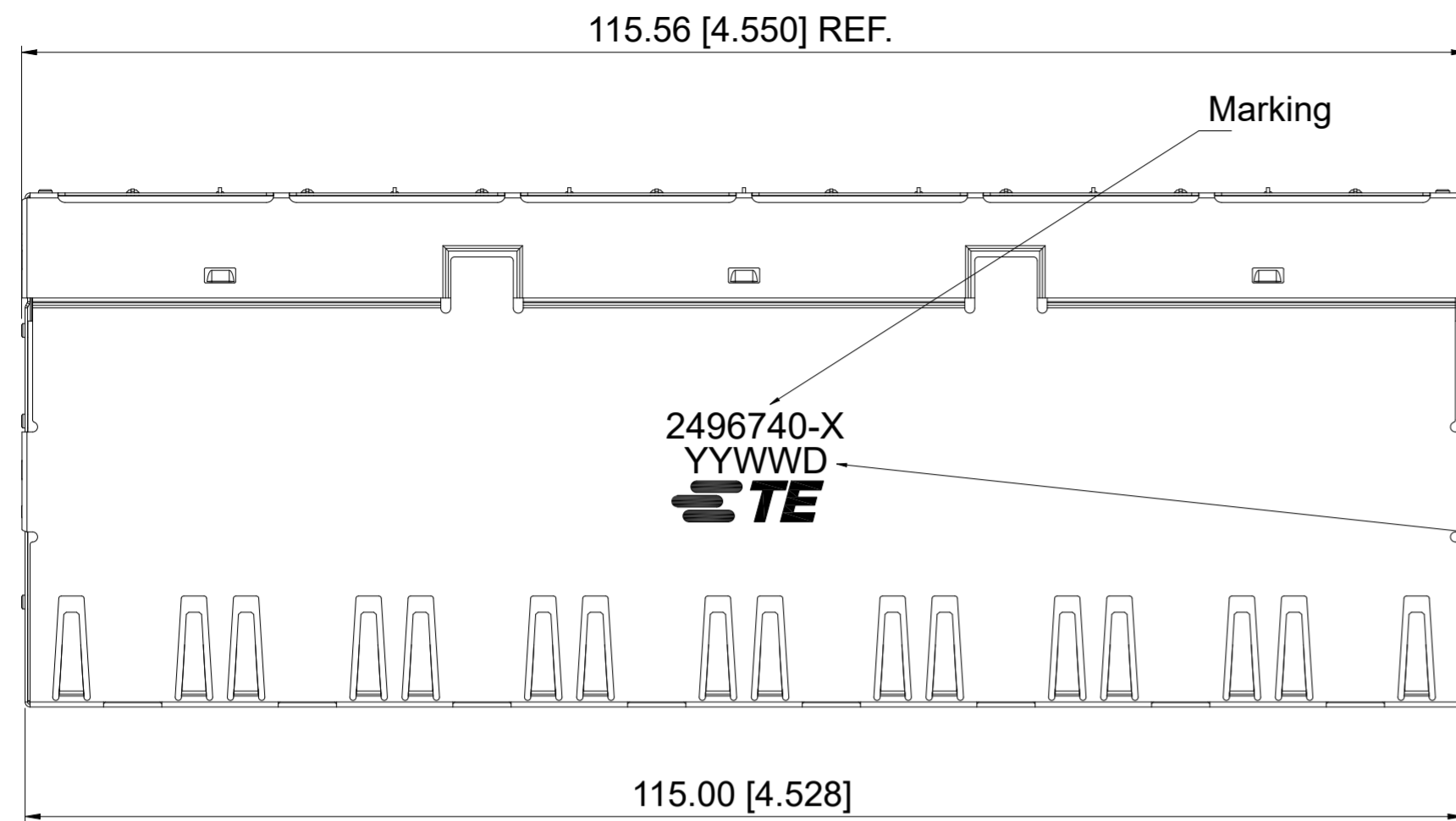
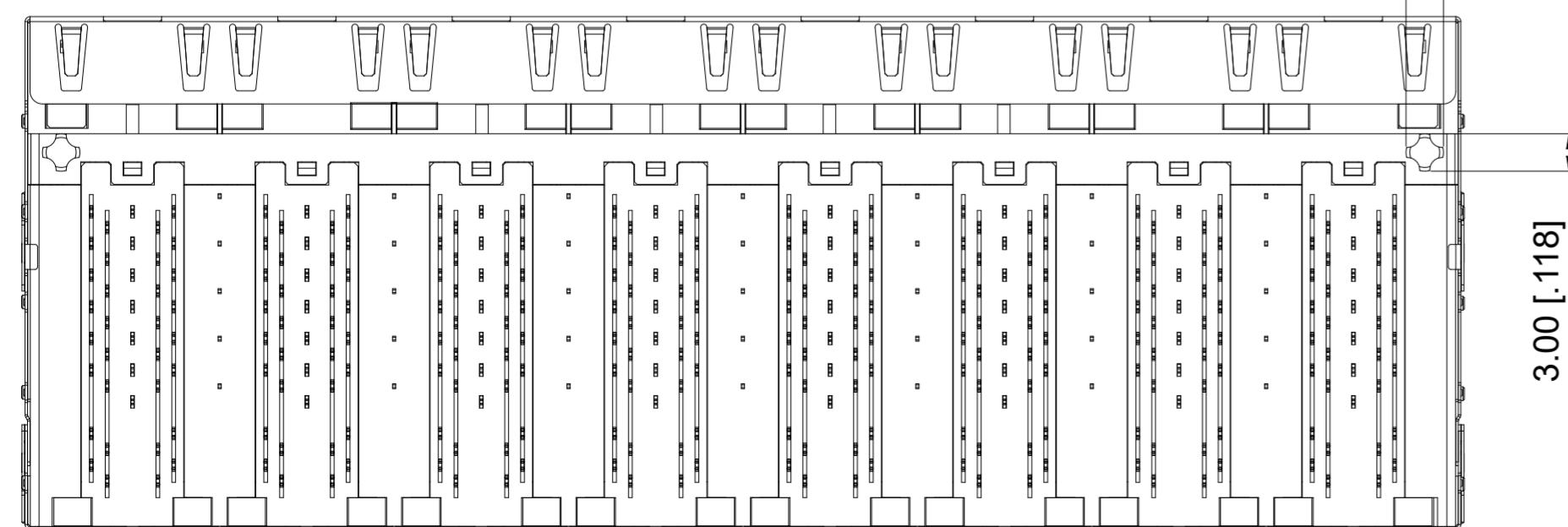
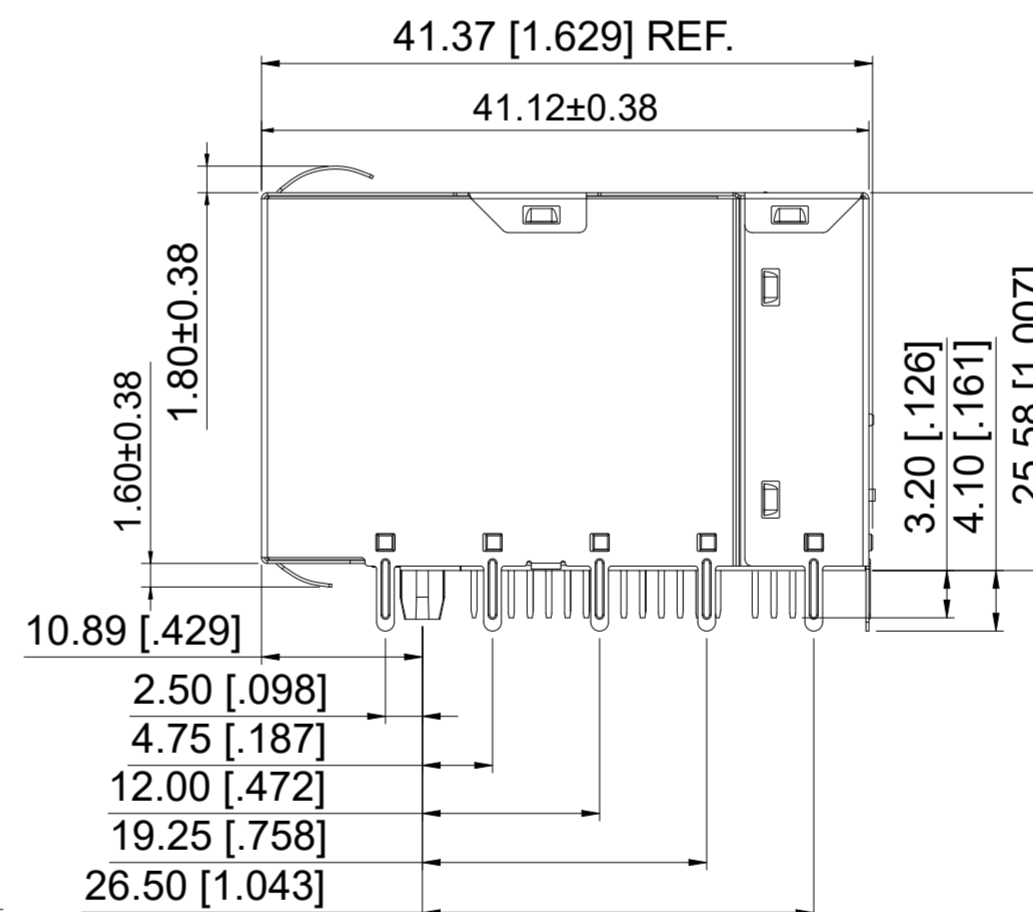
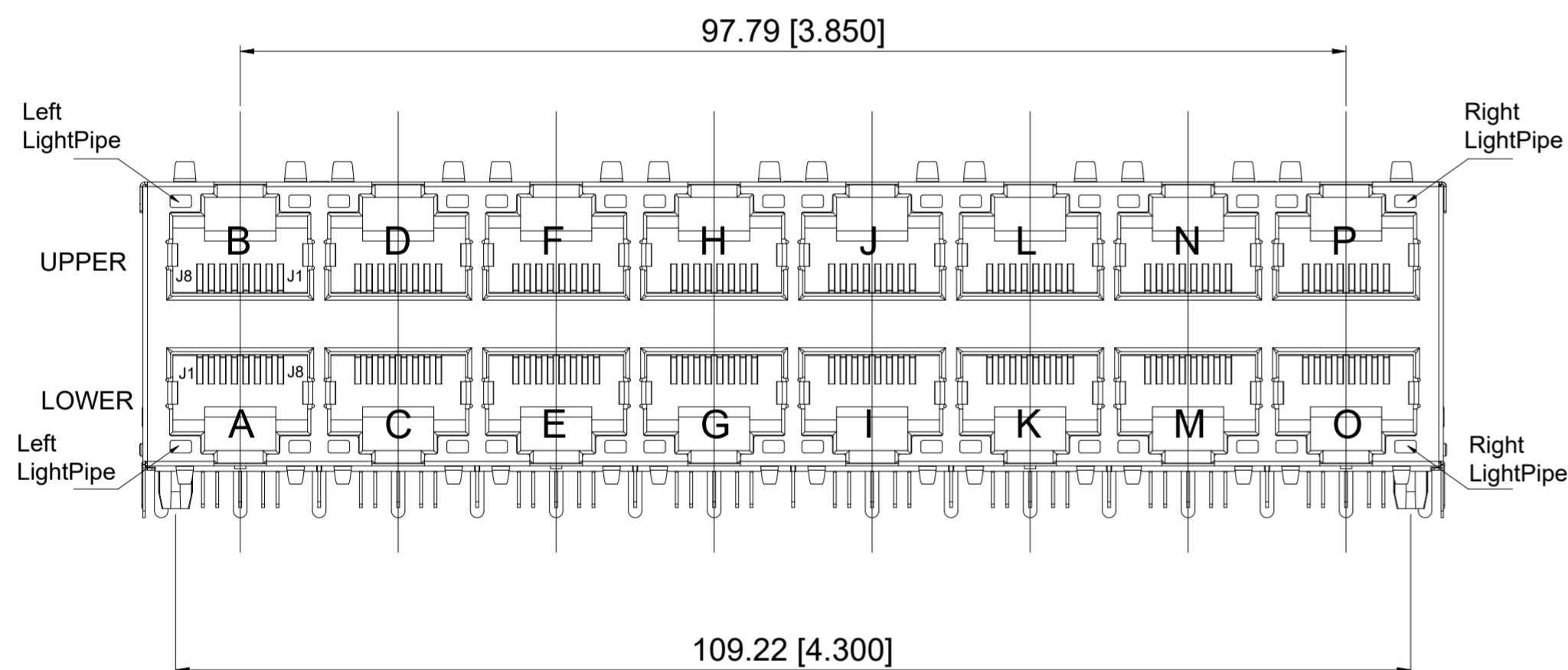


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-301496	10JAN2025	TR	RCC



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

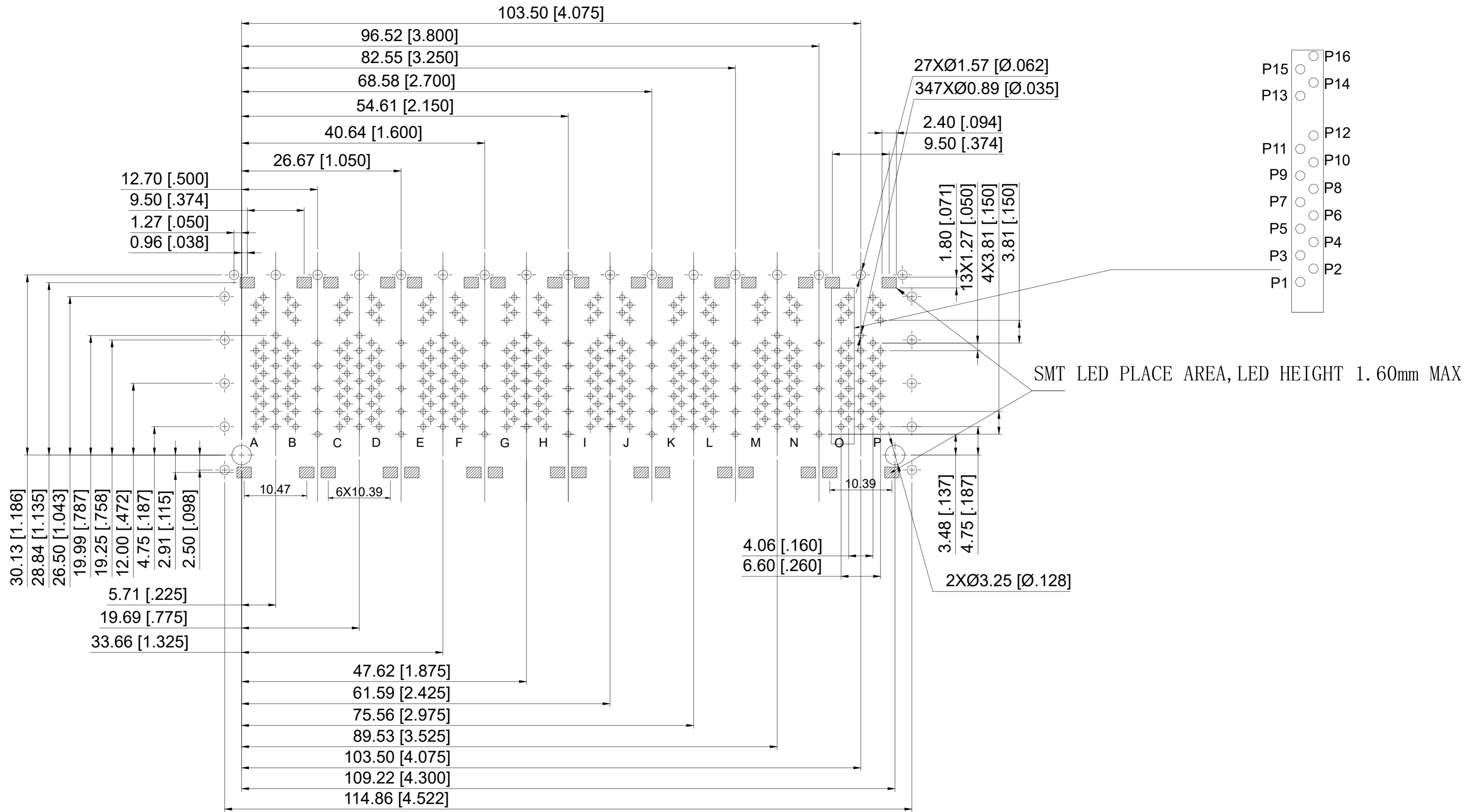
- NOTE :
- 1.HOUSING:GLASS FILLED PA6T(BLACK) UL94V-0(RoHS)
 - 2.CONTACT: PHOSPHOR BRONZE,50 MICRINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
 - 3.SHIELD:0.2mm THICKNESS WITH BRASS.
 - 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68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



GOLD PLATING THICKNESS	PART NUMBER
GF	2496740-6
0.0762 μm [3μ"]	2496740-5
0.1524 μm [6μ"]	2496740-4
0.381 μm [15μ"]	2496740-3
0.762 μm [30μ"]	2496740-2
1.27 μm [50μ"]	2496740-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 14NOV2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 22NOV2024	NAME RJ45 W/MAGNET 2X8 10G POE 60W LIGHT PIPE	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 22NOV2024	PRODUCT SPEC 108-161622	
0 PLC ± -		APPLICATION SPEC 114-161219	SIZE A2	CAGE CODE 00779
1 PLC ± 0.35		WEIGHT -	DRAWING NO C=2496740	RESTRICTED TO -
2 PLC ± 0.25		CUSTOMER DRAWING	SCALE 1:1	SHEET 1 OF 4
3 PLC ± 0.15			REV A	
4 PLC ± -				
ANGLES ± 2				
FINISH				

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

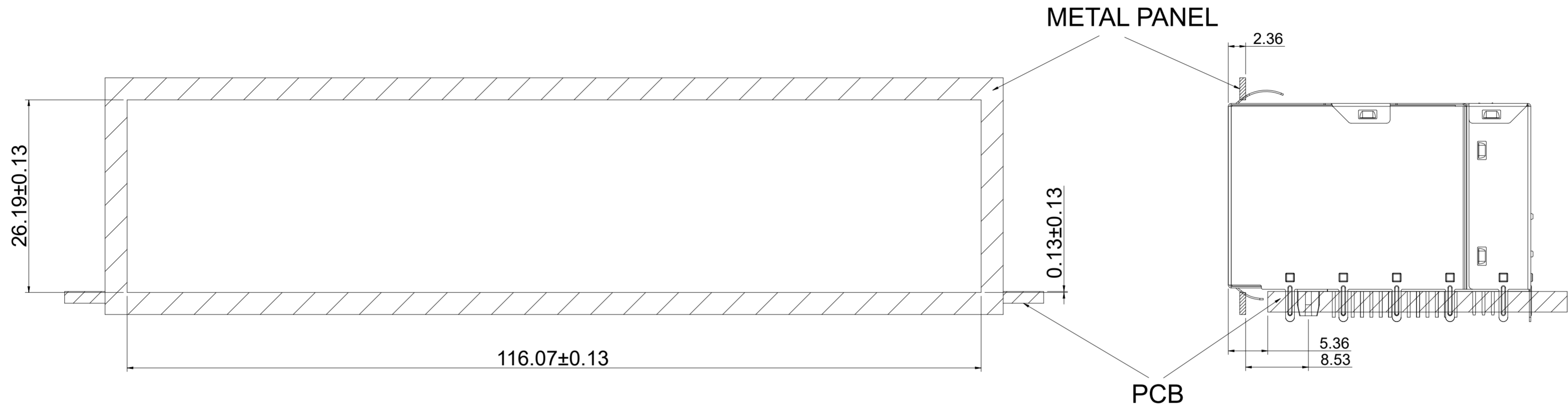


RECOMMENDED P.C.B LAYOUT TOP VIEW (COMPONENT SIDE) Dimension Tolerances: PCB LAYOUT Tolerances: ±0.05[0.002]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 14NOV2024		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 22NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 22NOV2024	NAME RJ45 W/MAGNET 2X8 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	SIZE A2	
MATERIAL		APPLICATION SPEC 114-161219	CAGE CODE 00779	DRAWING NO C=2496740
FINISH		WEIGHT -	SCALE 1:1	SHEET 2 of 4
CUSTOMER DRAWING			RESTRICTED TO -	REV A

REVISIONS

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

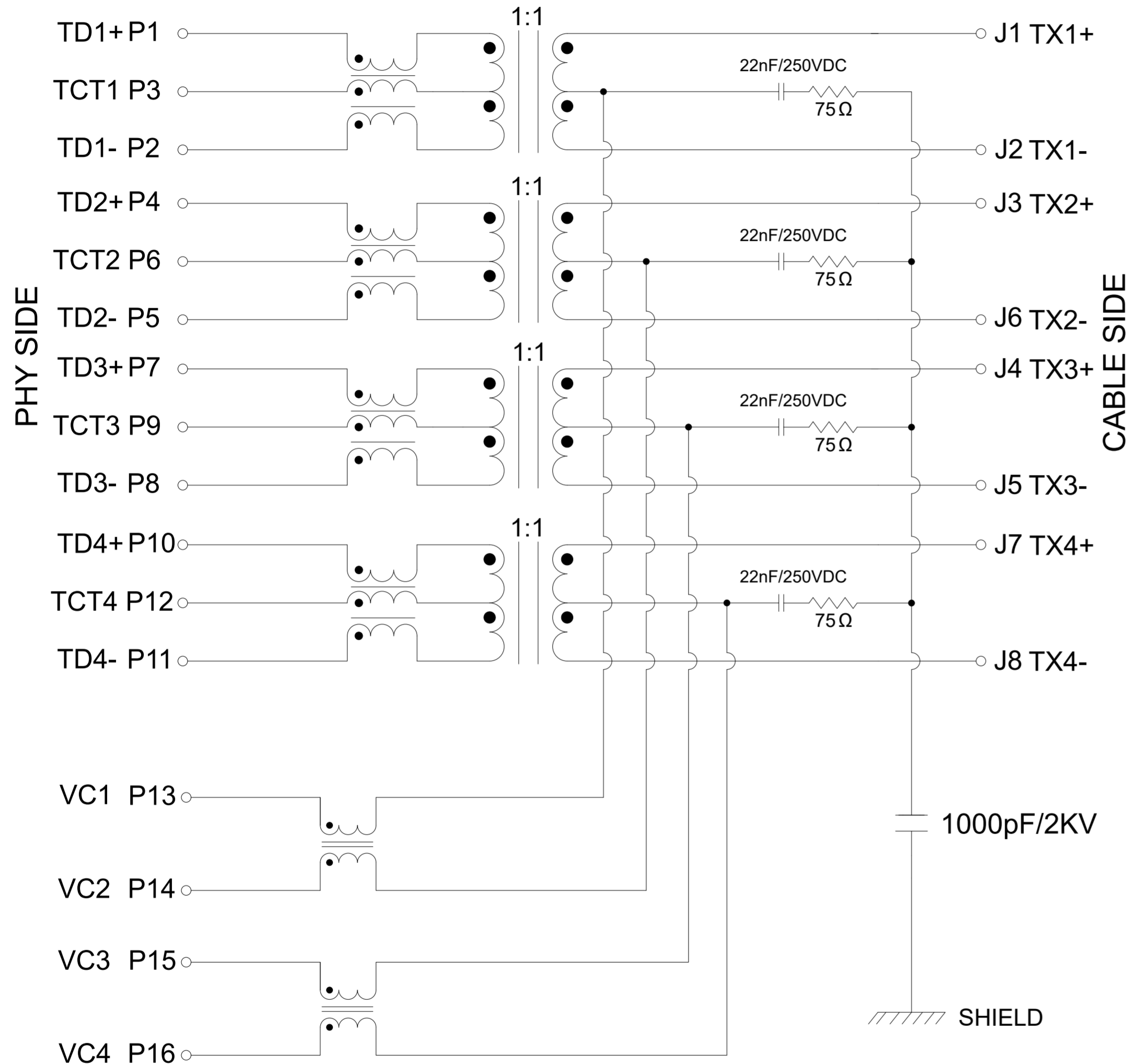


2496740

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 14NOV2024		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 22NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 22NOV2024	NAME RJ45 W/MAGNET 2X8 10G POE 60W LIGHT PIPE	
0 PLC ± -		PRODUCT SPEC 108-161622	RESTRICTED TO	
1 PLC ± 0.35		APPLICATION SPEC 114-161219	SIZE A2	CAGE CODE 00779
2 PLC ± 0.25		WEIGHT -	DRAWING NO C=2496740	SCALE 1:1
3 PLC ± 0.15		MATERIAL -	SHEET 3 of 4	REV A
4 PLC ± -		FINISH -	CUSTOMER DRAWING	
ANGLES ± 2				

REVISIONS				
P	LTR	DESCRIPTION	DATE	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 14NOV2024		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 22NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 22NOV2024	NAME RJ45 W/MAGNET 2X8 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=2496740	SCALE 1:1
		CUSTOMER DRAWING	SHEET 4 OF 4	REV A