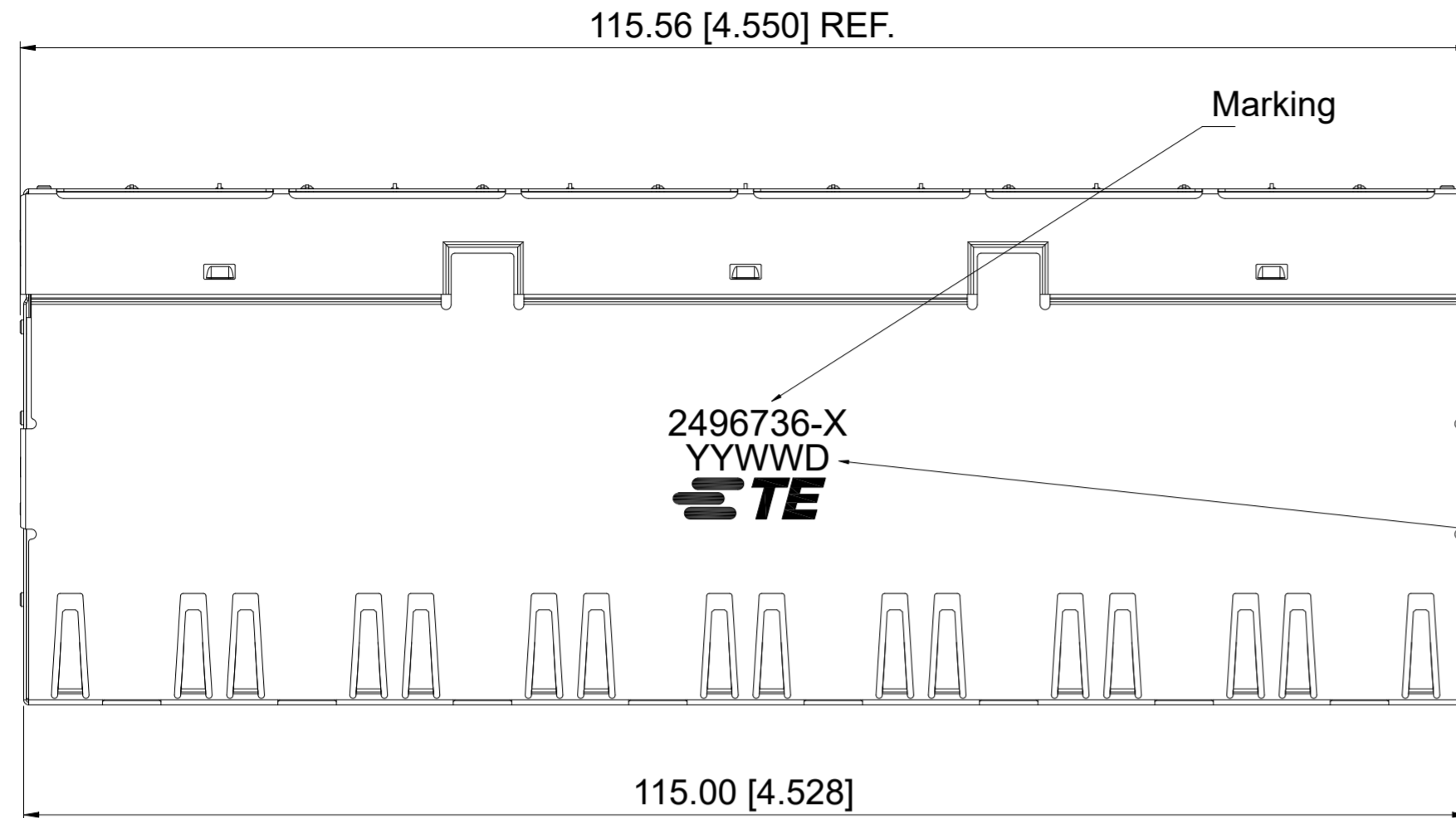


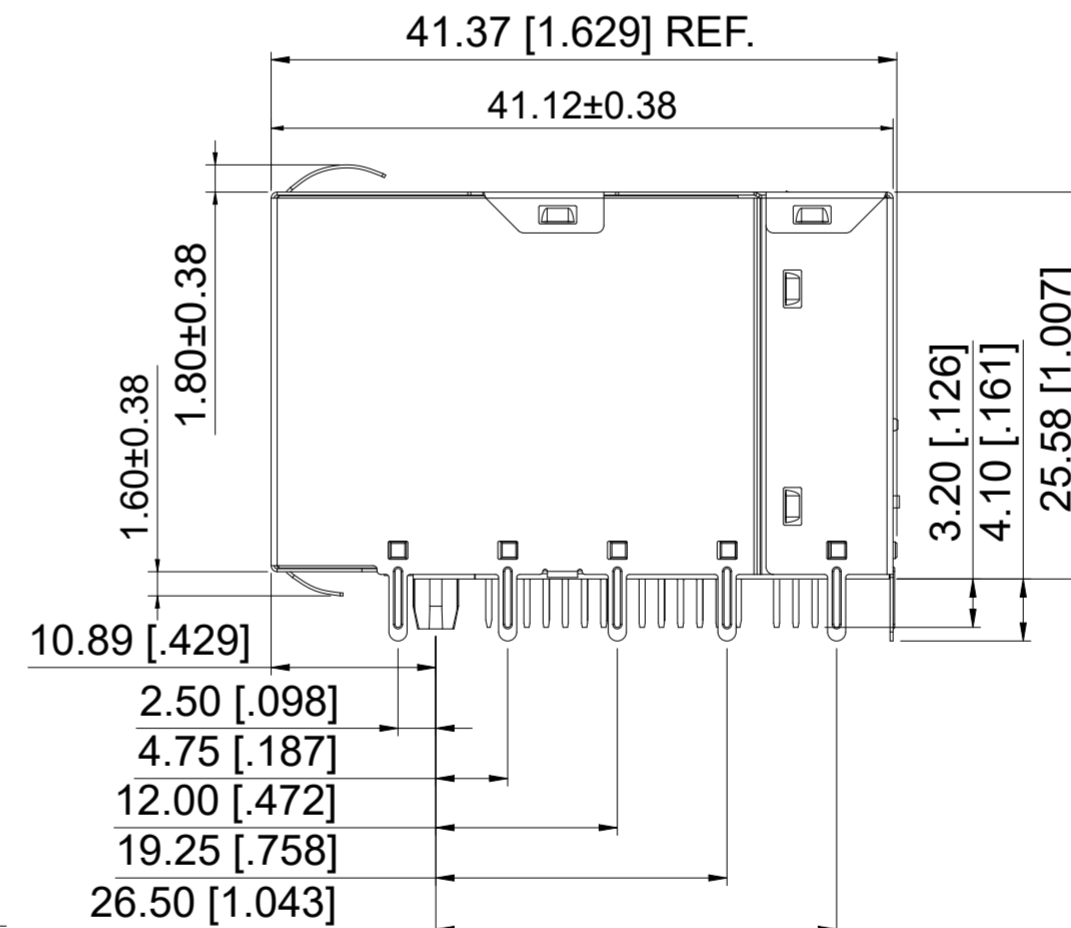
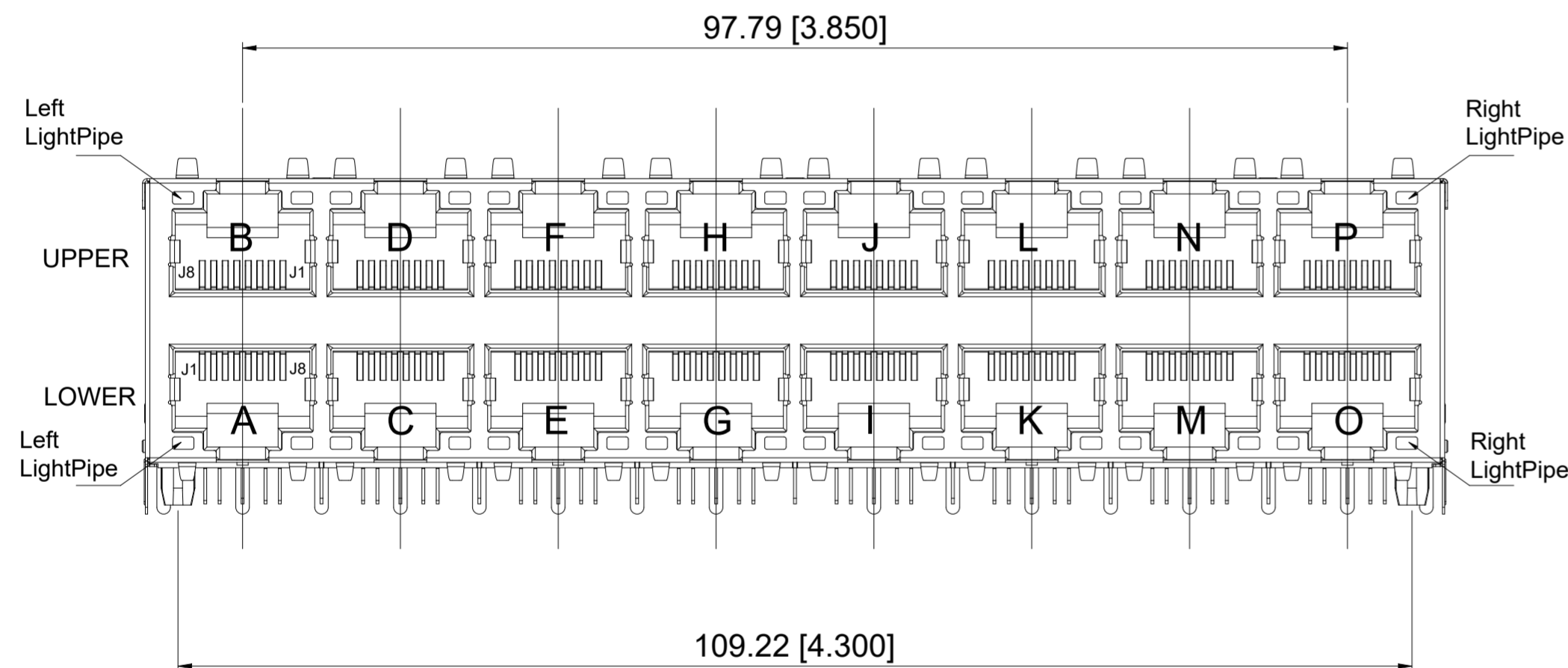
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-301496	10JAN2025	TR	RCG



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 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.

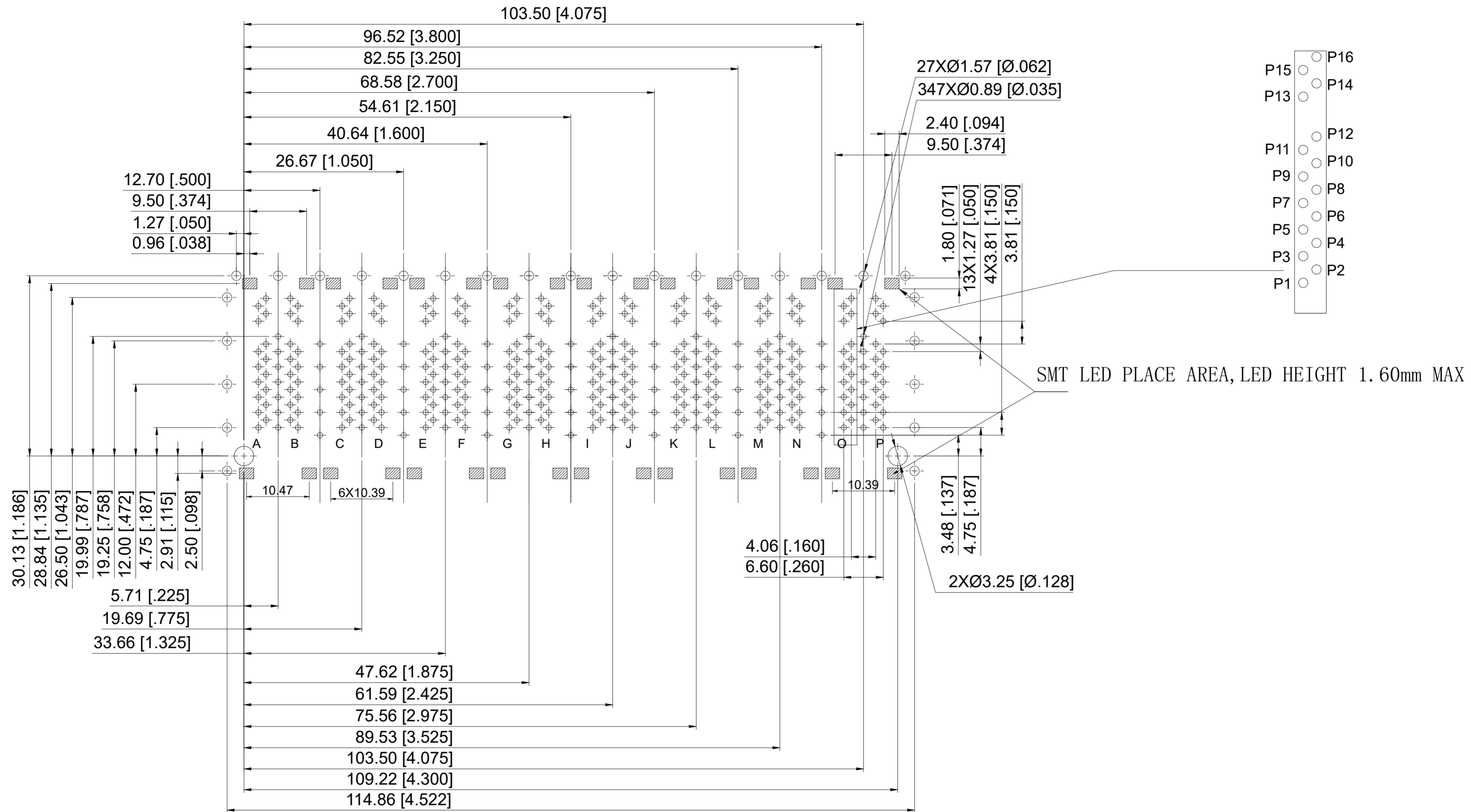
Note:
X= 1,2,3,4,5,6
YYWWD
YY=YEAR
WW=WEEK
D=1 for Sunday - 7 for Saturday



GF	2496736-6
0.0762 μm [3μ"]	2496736-5
0.1524 μm [6μ"]	2496736-4
0.381 μm [15μ"]	2496736-3
0.762 μm [30μ"]	2496736-2
1.27 μm [50μ"]	2496736-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TARUN, R	14NOV2024		TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK	RAMESH, KIVADER	15NOV2024		NAME		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	RAGHAVAN, CG	15NOV2024		RJ45 W/MAGNET 2X8 5G POE 60W LIGHT PIPE		
0 PLC ± -		PRODUCT SPEC		108-161622		-		
1 PLC ± 0.35		APPLICATION SPEC		114-161219	-			
2 PLC ± 0.25		WEIGHT		-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
3 PLC ± 0.15		CUSTOMER DRAWING		-	A2	00779	C=2496736	-
4 PLC ± -		SCALE		1:1	SHEET		1 OF 4	REV
ANGLES ± 2°		FINISH		-	REV		A	

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

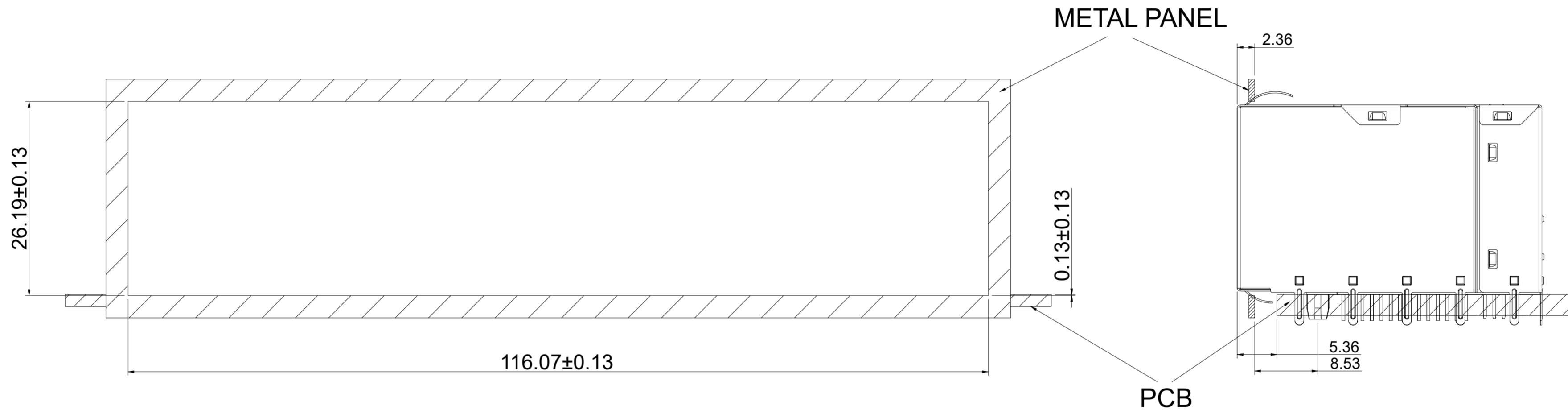


RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TARUN, R	14NOV2024		TE Connectivity					
DIMENSIONS: mm [INCHES]		CHK	RAMESH, KIVADER	15NOV2024		NAME					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	RAGHAVAN, CG	15NOV2024		RJ45 W/MAGNET 2X8 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		APPLICATION SPEC		114-161219			
MATERIAL		FINISH		WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO		
-		-		-		A2	00779	C=2496736	-		
CUSTOMER DRAWING						SCALE	1:1	SHEET	2 of 4	REV	A

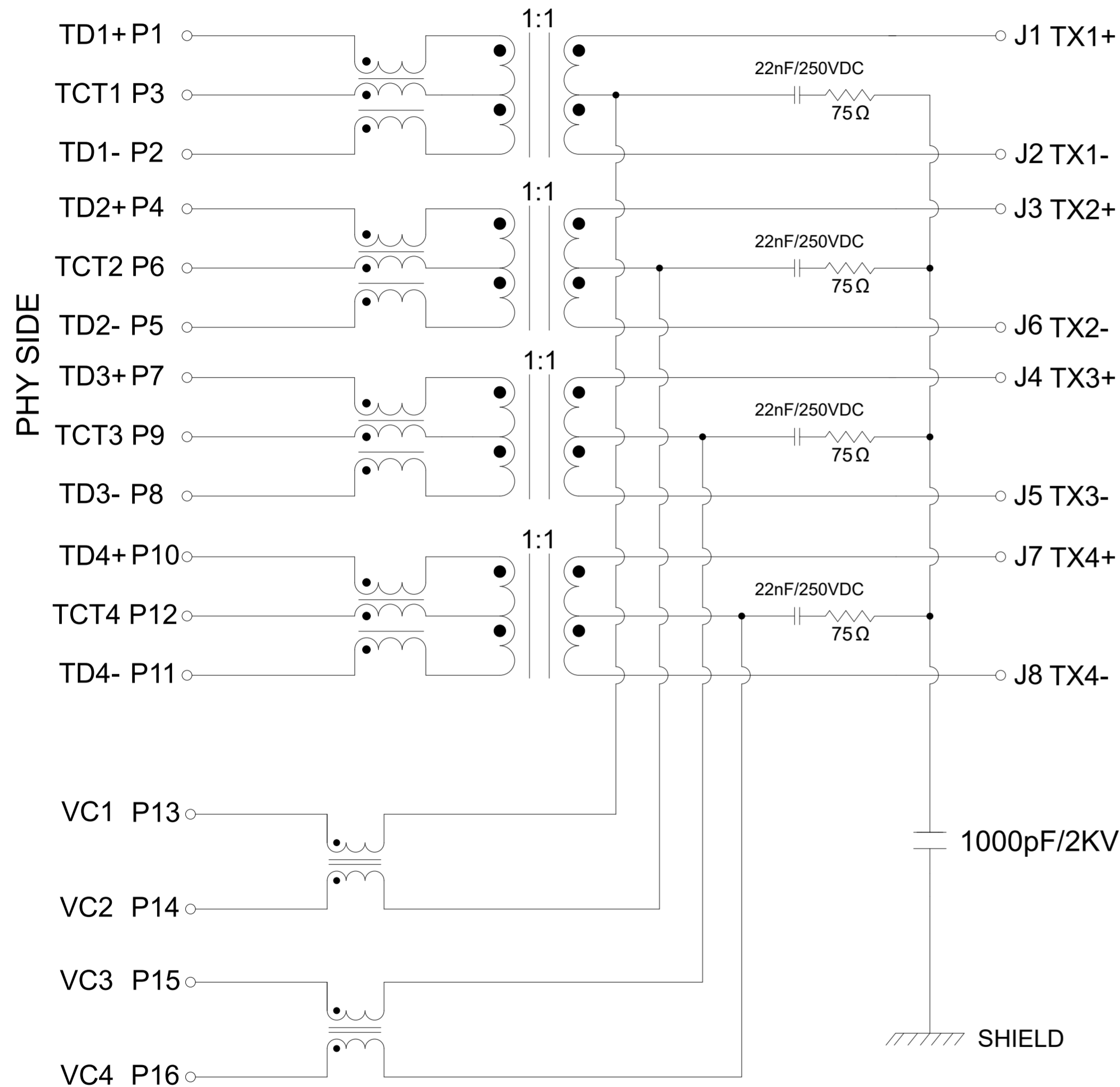
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



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 POE 60W LIGHT PIPE	
0 PLC ± -		PRODUCT SPEC 108-161622	-	
1 PLC ± 0.35		APPLICATION SPEC 114-161219	-	
2 PLC ± 0.25		WEIGHT -	SIZE A2	CAGE CODE 00779
3 PLC ± 0.15		FINISH -	DRAWING NO C=2496736	
4 PLC ± -			RESTRICTED TO -	
ANGLES ± 2°		SCALE 1:1		SHEET 3 of 4
MATERIAL -		CUSTOMER DRAWING		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(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;
DC CURRENT/VOLTAGE RATING-PSE PINS	720mA MAXIMUM@57VDC(CONTINUOUS)
HI-POT	2250 VDC@60 SECONDS

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 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	DRAWING NO C=2496736
FINISH		WEIGHT -	SCALE 1:1		
		CUSTOMER DRAWING		SHEET 4 OF 4	REV A