

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

31.38±0.38 [1.235±.015]Ref.



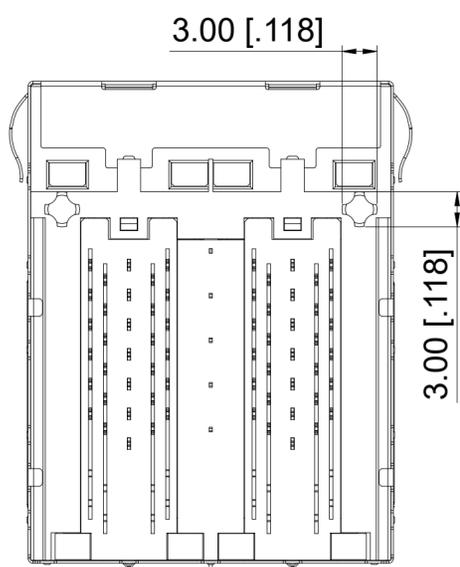
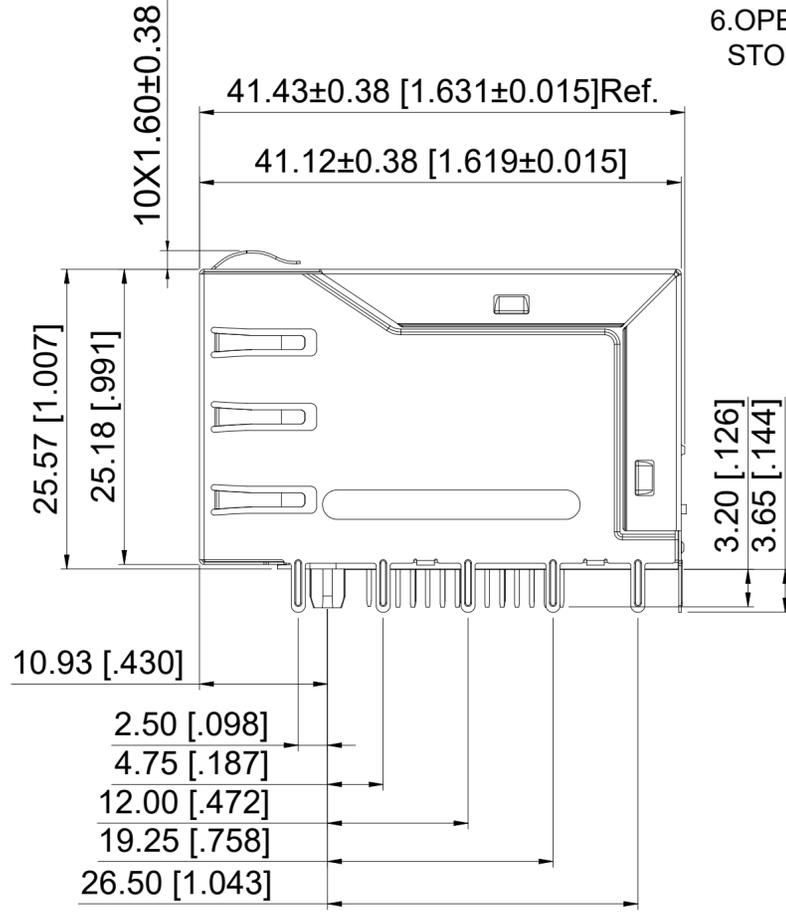
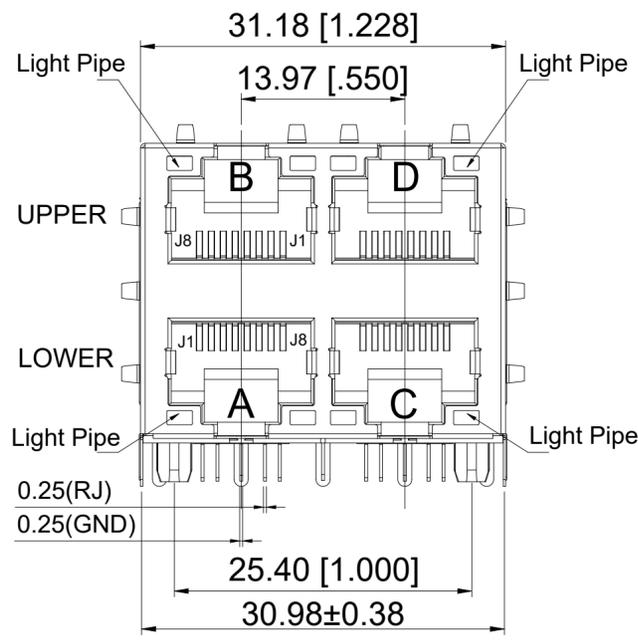
Marking

2496730-X
YYWWD
TE

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

NOTE :

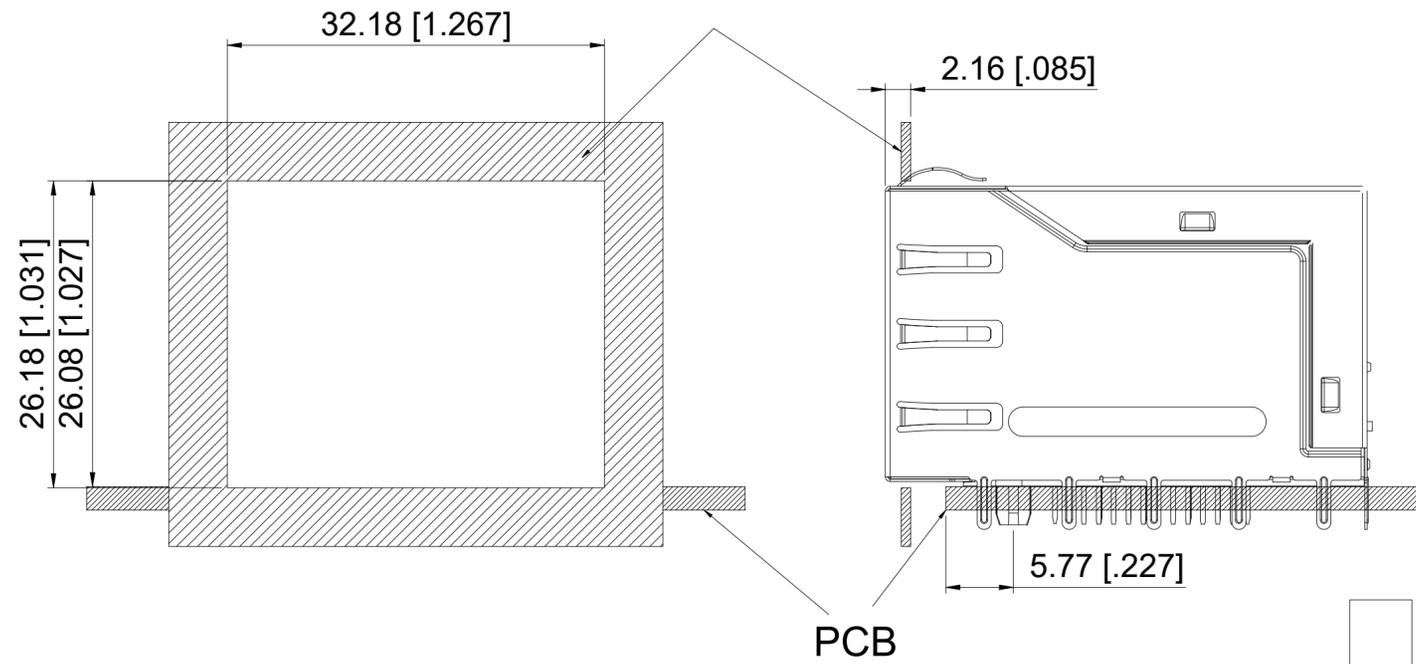
- 1.HOUSING:GLASS FILLED PA6T(BLACK) UL94V-0(ROHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICRINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
- 3.SHIELD:0.2mm THICKNESS WITH BRASS.
- 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F
-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



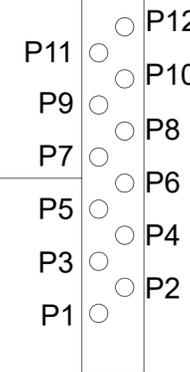
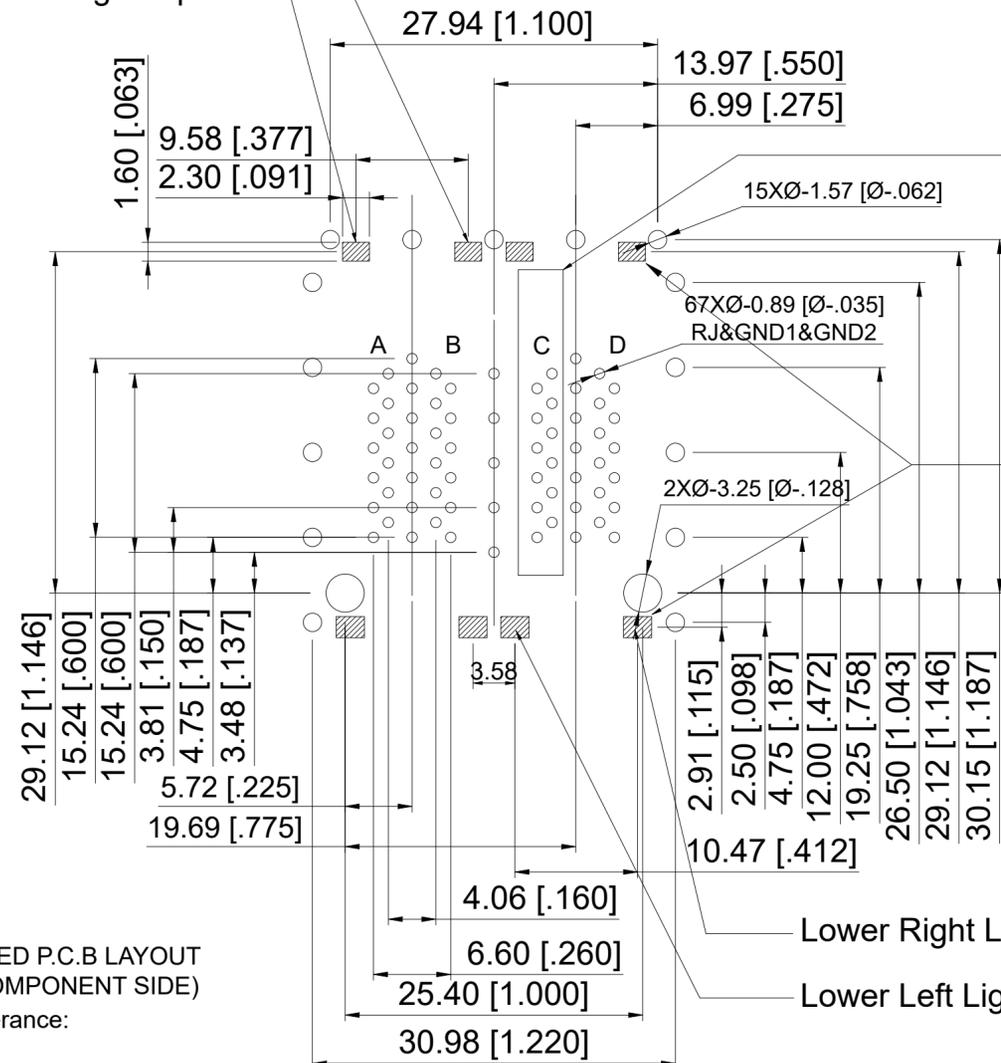
GF	2496730-6
0.0762 μm [3μ"]	2496730-5
0.1524 μm [6μ"]	2496730-4
0.381 μm [15μ"]	2496730-3
0.762 μm [30μ"]	2496730-2
1.27 μm [50μ"]	2496730-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TARUN, R	29OCT2024	TE Connectivity RJ45 W/MAGNET 2X2 10G LIGHT PIPE
DIMENSIONS: mm [INCHES]		CHK	RAMESH, KIVADER	30OCT2024	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	RAGHAVAN, CG	30OCT2024	
0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC	108-161620	NAME	
MATERIAL	FINISH	WEIGHT	-	APPLICATION SPEC	SIZE
-	-	CUSTOMER DRAWING	SCALE	114-161217	A2
			1:1	114-161217	CAGE CODE
			1:1	114-161217	00779
			1:1	114-161217	DRAWING NO
			1:1	114-161217	C=2496730
			1:1	114-161217	RESTRICTED TO
			1:1	114-161217	-
			1:1	114-161217	SCALE
			1:1	114-161217	1:1
			1:1	114-161217	SHEET
			1:1	114-161217	1 OF 3
			1:1	114-161217	REV
			1:1	114-161217	A

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



Upper Right Light Pipe
Upper Left Light Pipe



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

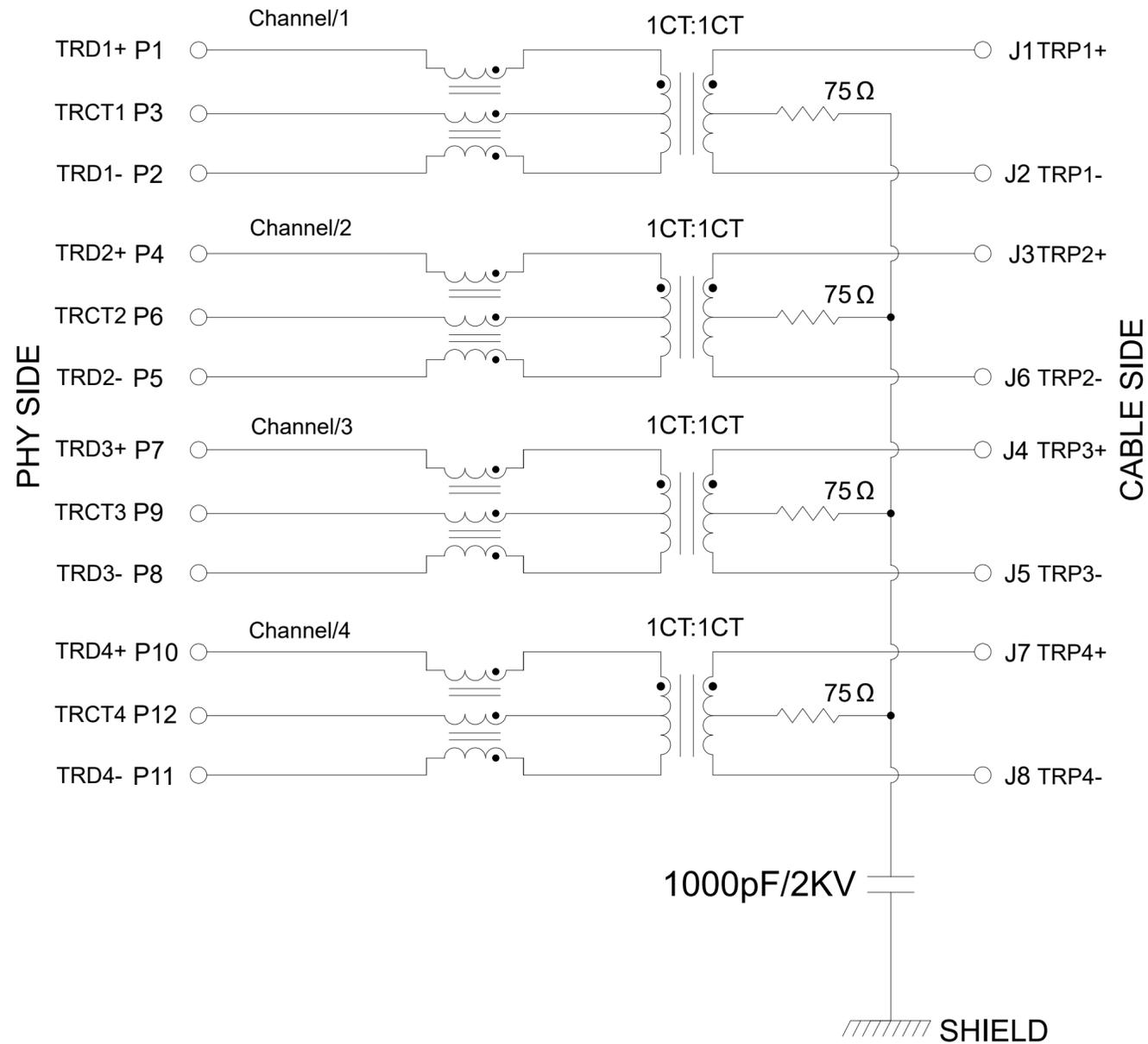
RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)
Dimension Tolerance:
PCB LAYOUT
Tolerances: ±0.05[0.002]

Lower Right Light Pipe
Lower Left Light Pipe

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 29OCT2024																										
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 30OCT2024																										
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 30OCT2024	NAME RJ45 W/MAGNET 2X2 10G LIGHT PIPE																									
<table border="0"> <tr><td>0</td><td>PLC</td><td>±</td><td>-</td></tr> <tr><td>1</td><td>PLC</td><td>±</td><td>0.35</td></tr> <tr><td>2</td><td>PLC</td><td>±</td><td>0.25</td></tr> <tr><td>3</td><td>PLC</td><td>±</td><td>0.15</td></tr> <tr><td>4</td><td>PLC</td><td>±</td><td>-</td></tr> <tr><td colspan="2">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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			WEIGHT -	CAGE CODE 00779																								
			CUSTOMER DRAWING	DRAWING NO C=2496730																								
			SCALE 1:1	SHEET 2 OF 3																								
				REV A																								

REVISIONS					
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-	-	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 8mA 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;
HI-POT	2250VDC@60 SECONDS(Channel1/2/3/4)

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1 PLC ± 0.35		APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779
2 PLC ± 0.25		MATERIAL -	DRAWING NO C=2496730	SCALE 1:1
3 PLC ± 0.15		FINISH -	WEIGHT -	SHEET 3 OF 3
4 PLC ± -		CUSTOMER DRAWING		
ANGLES ± 2°		REV A		