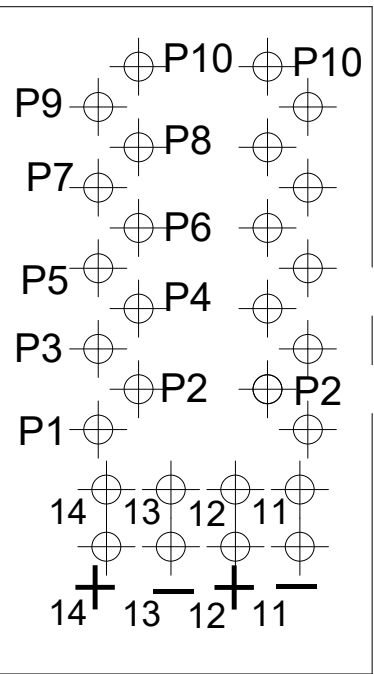
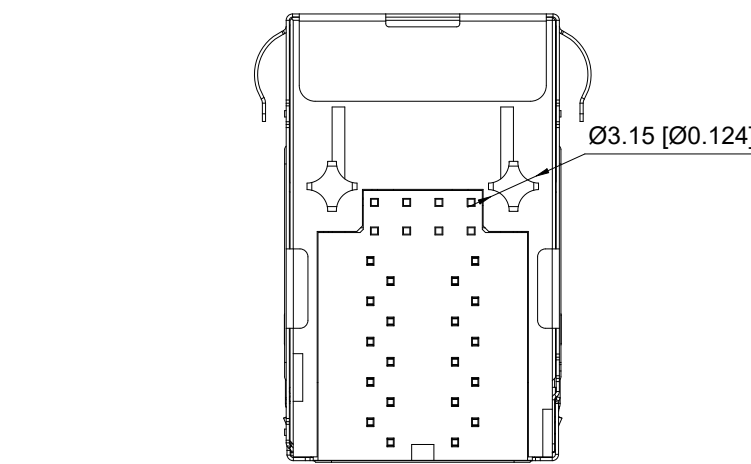
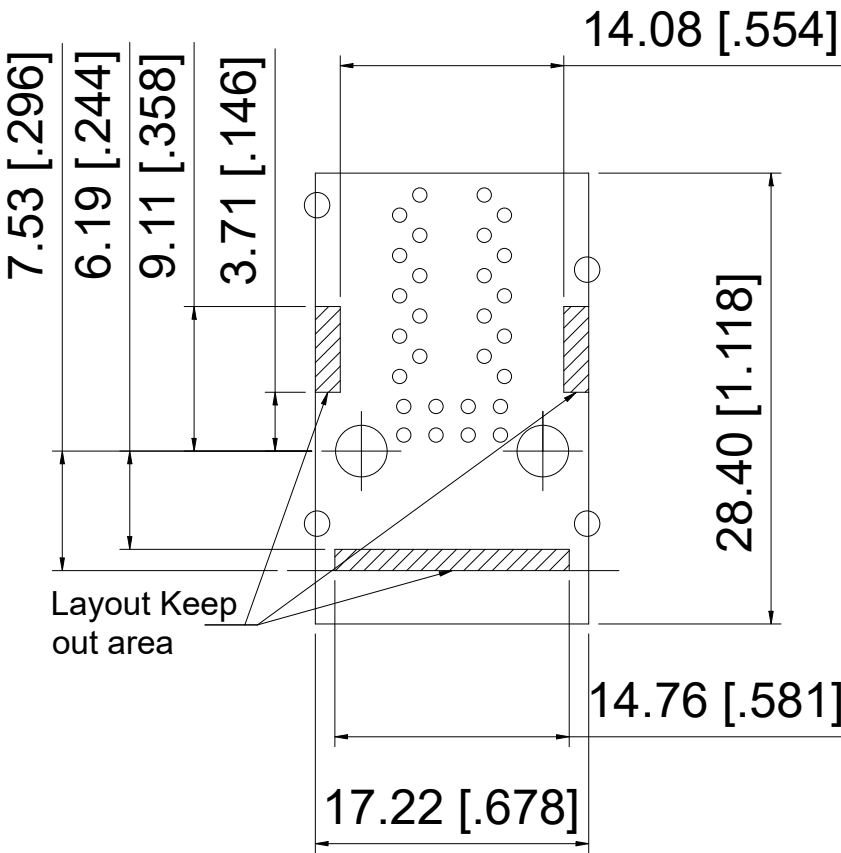
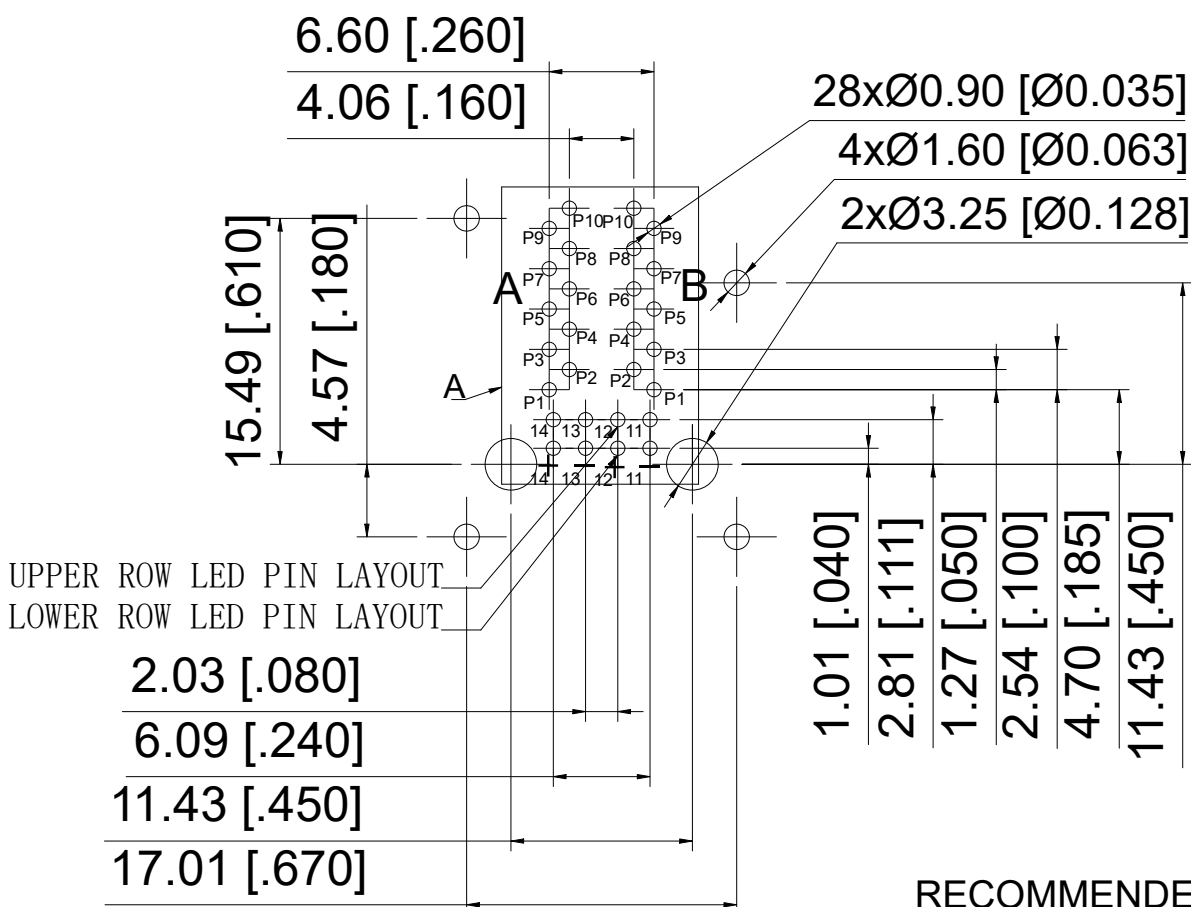
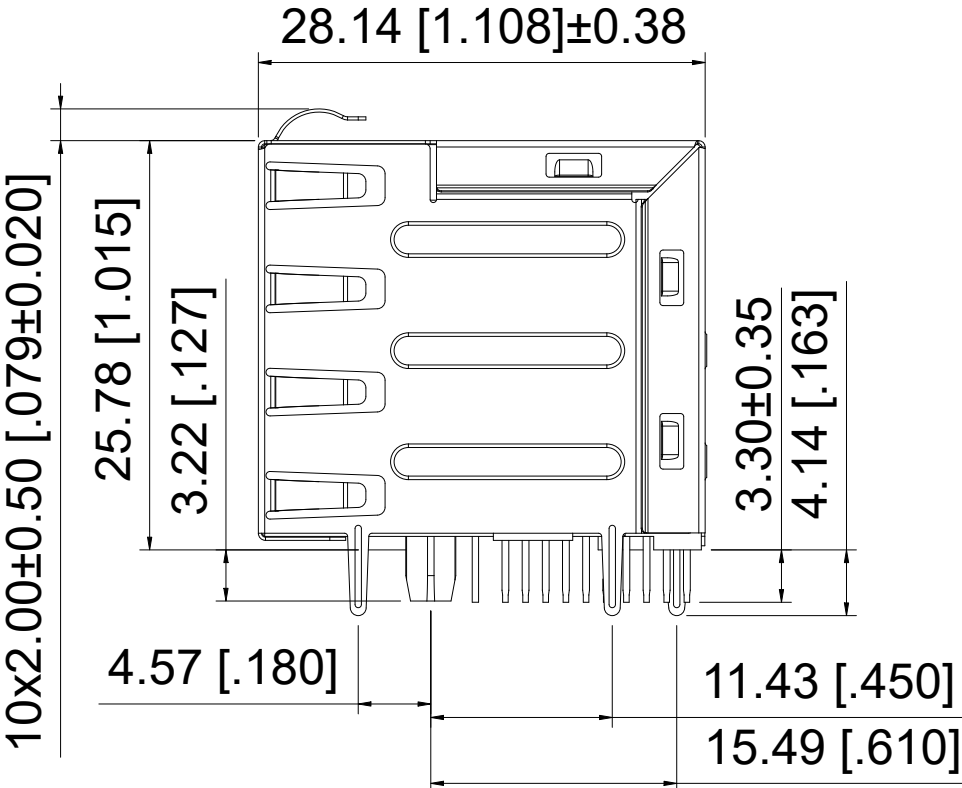
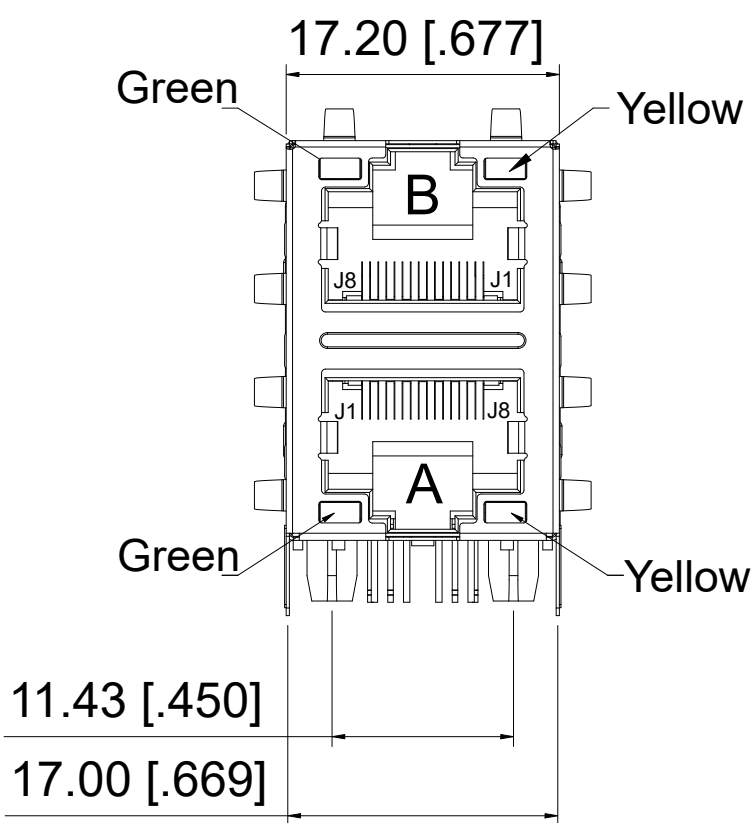
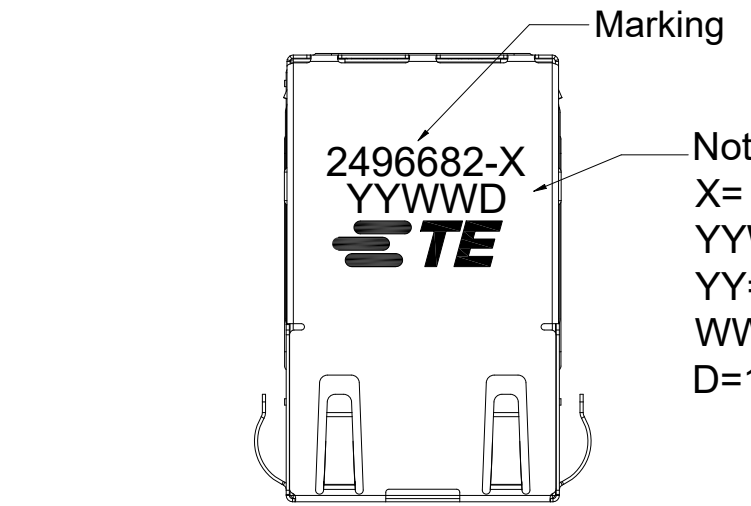


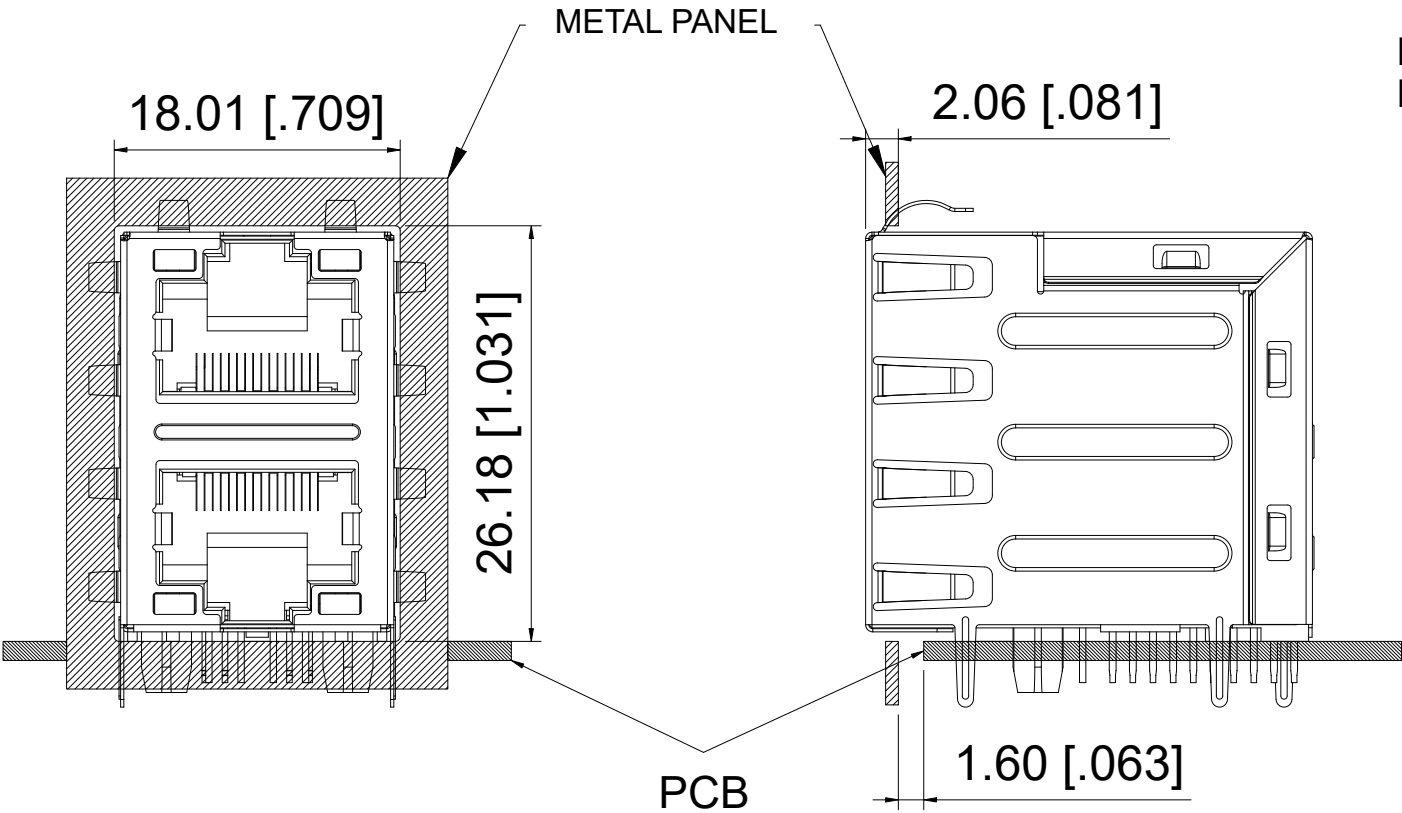
REVISIONS					
P	LTR	DESCRIPTION	DATE	OWN	APVD
A		REVISED PER ECN-25-302719	21JAN2025	TR	RCG

MATERIALS

- 1.HOUSING:GLASS FILLED PA46(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.



DETAIL A
SCALE 2:1

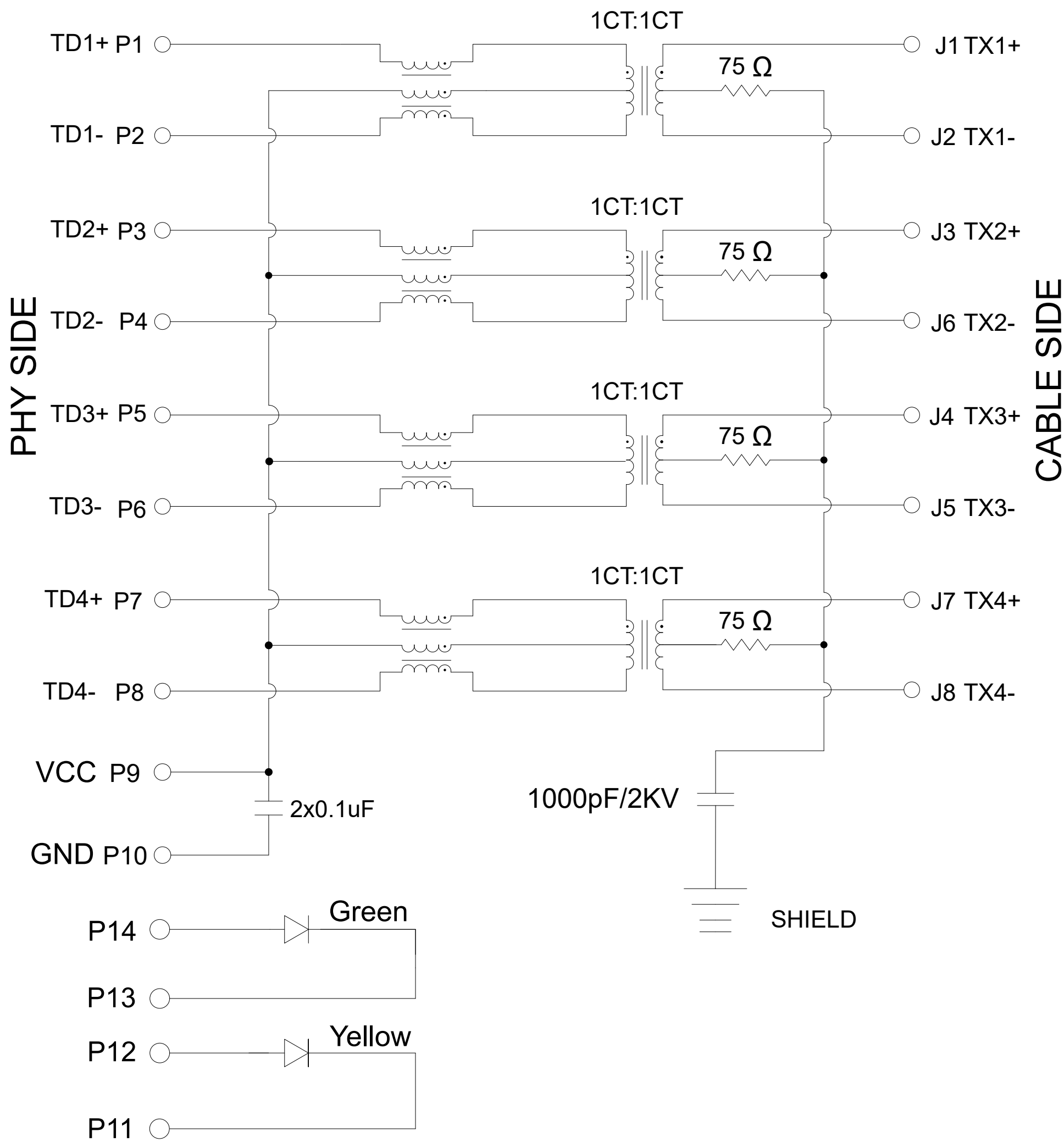


RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)
Dimension Tolerance:
PCB LAYOUT Tolerances:±0.05[.002]

GF	2496682-6
0.0762 µm [3µ"]	2496682-5
0.1524 µm [6µ"]	2496682-4
0.381 µm [15µ"]	2496682-3
0.762 µm [30µ"]	2496682-2
1.27 µm [50µ"]	2496682-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R	04NOV2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER	05NOV2024		
TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG	05NOV2024	NAME RJ45 W/MAGNET 2X1 2.5G LED	
0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161620	DRAWING NO 114-161217		RESTRICTED TO
MATERIAL -		FINISH -	WEIGHT -	SIZE A2	00779
		CUSTOMER DRAWING		SCALE 1:1	SHEET 1 OF 2
				REV A	

Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	180uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL 1,2,3,4)
INSERTION LOSS(IL)	-1.0dB MAX@1MHz-100MHz; -1.5dB MAX@100MHz-125MHz;
RETURN LOSS(RL) (Z out=100 OHM)	-18dB MIN@1MHz-40MHz; -18+15LOG (f/40MHz)dB MIN@40MHz-200MHz;
CROSSTALK (ADJACENT CHANNELS)	-35dB MIN@1MHz-40MHz; -35+15LOG (f/40MHz)dB MIN@40MHz-125MHz;
COMMON MODE REJECTION RATIO(CMRR)	-30dB MIN@1MHz-200MHz;
COMMON TO DIFFERENTIAL MODE REJECTION(REF)	-35dB MIN@1MHz-125MHz;
DIFFERENTIAL TO COMMON MODE REJECTION(REF)	-40dB MIN@1MHz-10MHz; -28dB MIN@40MHz-100MHz; -23dB MIN@200MHz;
HI-POT	2250 VDC@60 SECONDS

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Farward V(max)	TYP
GREEN	570nm	2.6V	2.2V
YELLOW	590nm	2.6V	2.0V

*WITH A FORWARD CURRENT OF 20mA

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024	TE Connectivity		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024			
	TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME RAGHAVAN, CG 05NOV2024		
	0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°		PRODUCT SPEC 108-161620		
	MATERIAL -		APPLICATION SPEC 114-161217		
FINISH -		WEIGHT -	SIZE A2	CAGE CODE 00779	DRAWING NO C=2496682
CUSTOMER DRAWING				SCALE 1:1	SHEET 2 OF 2
				REV A	RESTRICTED TO -