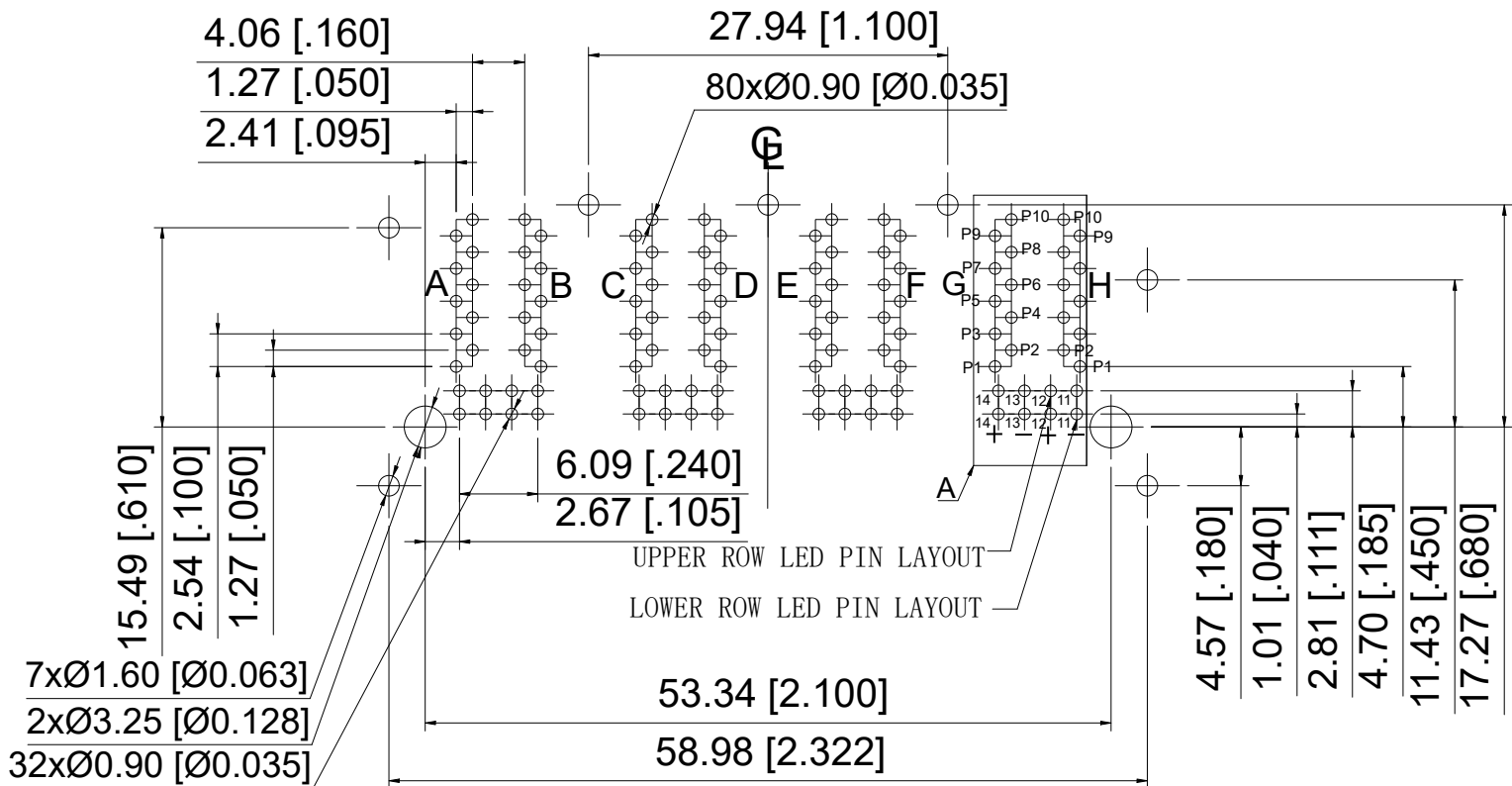
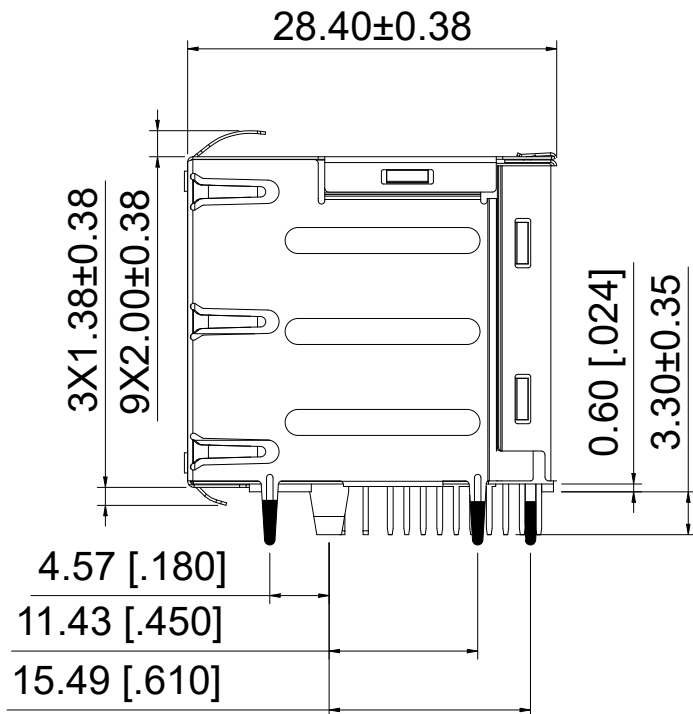
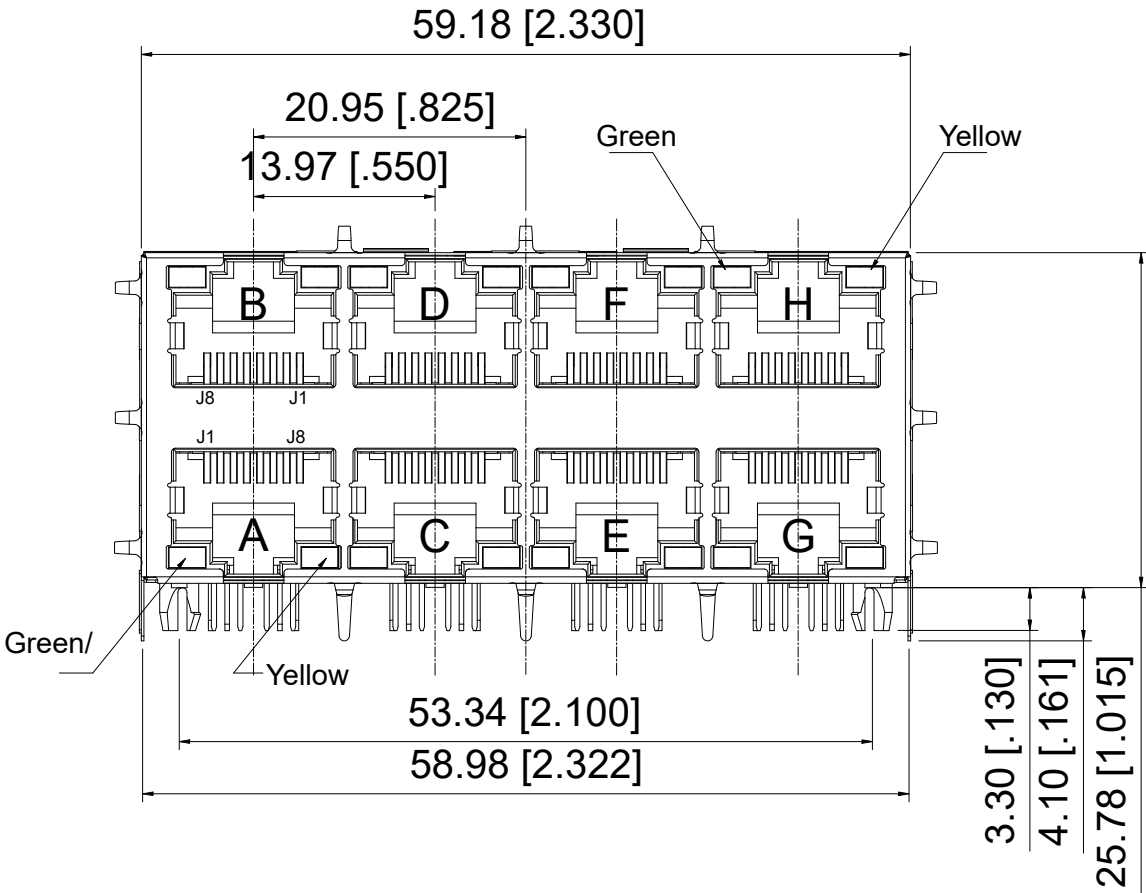
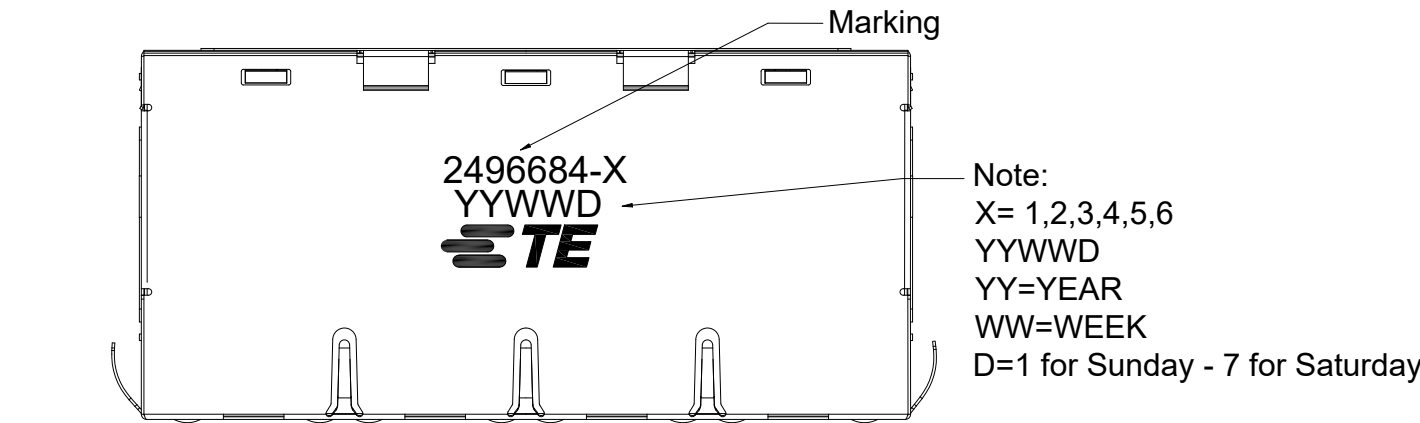


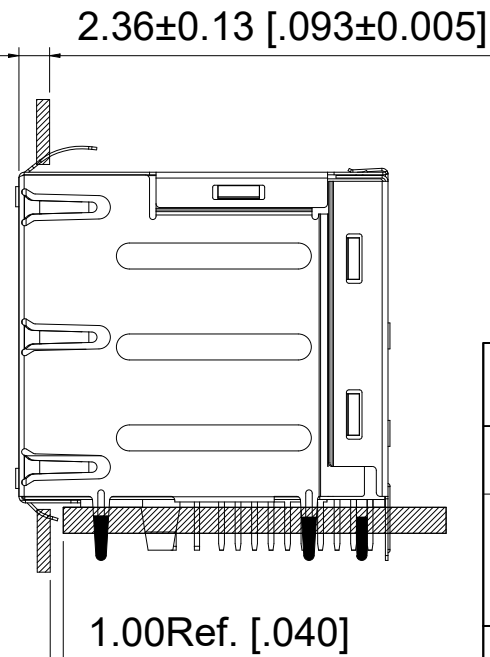
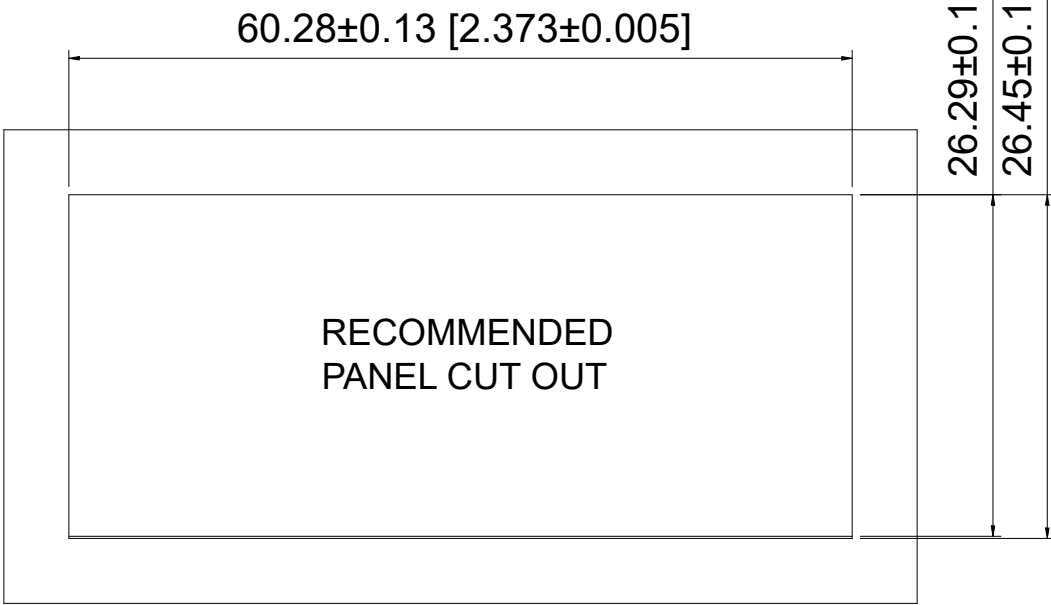
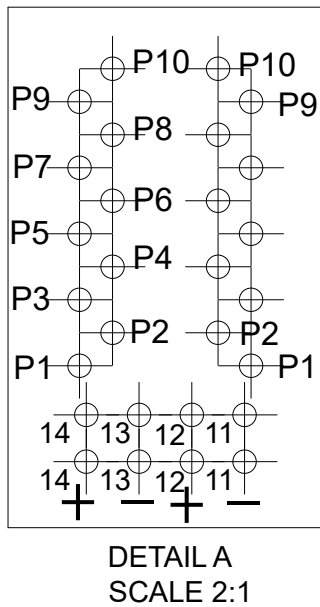
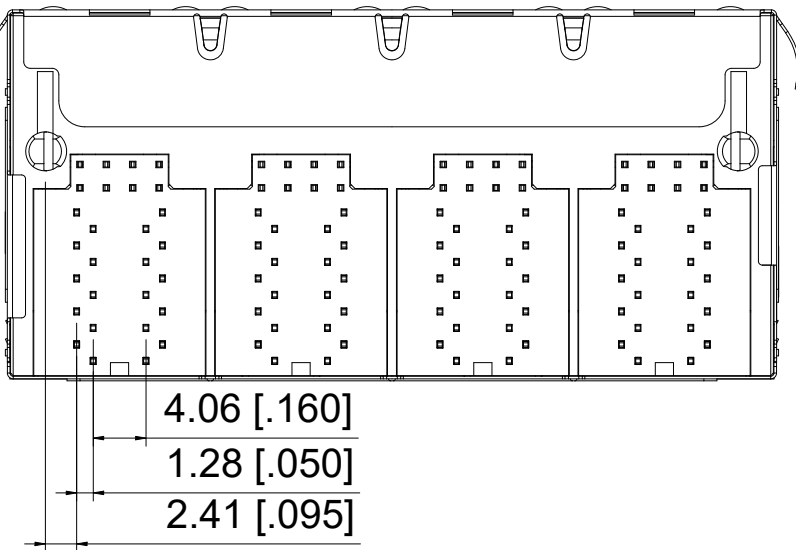
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER ECN-25-302719	21JAN2025	TR	RCG

- NOTE :
- 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 STAINLESS.
 - 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.



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

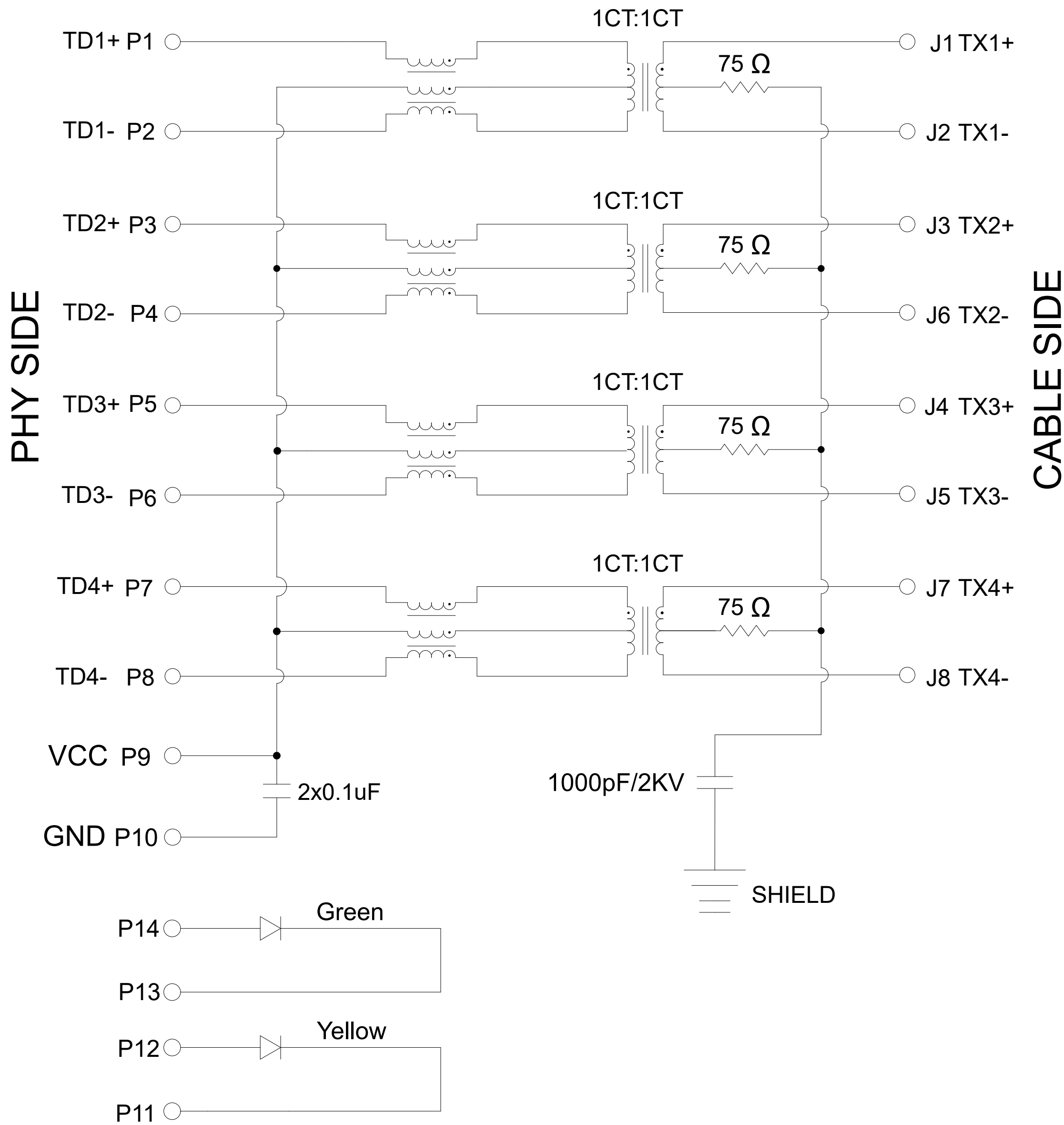
Dimension Tolerance:
PCB LAYOUT Tolerances:±0.05[.002]



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 2x4 2.5G LED	
0 PLC ± -		PRODUCT SPEC 108-161620		SIZE A2	
1 PLC ± 0.35		APPLICATION SPEC 114-161217		CAGE CODE 00779	
2 PLC ± 0.25		WEIGHT -		DRAWING NO C=2496684	
3 PLC ± 0.15		CUSTOMER DRAWING		RESTRICTED TO -	
4 PLC ± -		SCALE 1:1		SHEET 1 OF 2	
ANGLES ± 2°		REV A			
FINISH					

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

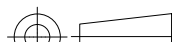
Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	180uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL1,2,3,4)
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			
		CHK RAMESH, KIVADER 05NOV2024					
DIMENSIONS: mm [INCHES]		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05NOV2024		NAME	
		0 PLC ± -		RJ45 W/MAGNET 2x4 2.5G LED			
		1 PLC ± 0.35		-			
		2 PLC ± 0.25		-			
		3 PLC ± 0.15					
		4 PLC ± -					
		ANGLES ± 2°					
MATERIAL -		FINISH -		WEIGHT -		SIZE A2	
				CAGE CODE 00779		DRAWING NO C=2496684	
				CUSTOMER DRAWING		RESTRICTED TO -	
				SCALE 1:1		SHEET 2 of 2	
				REV A			