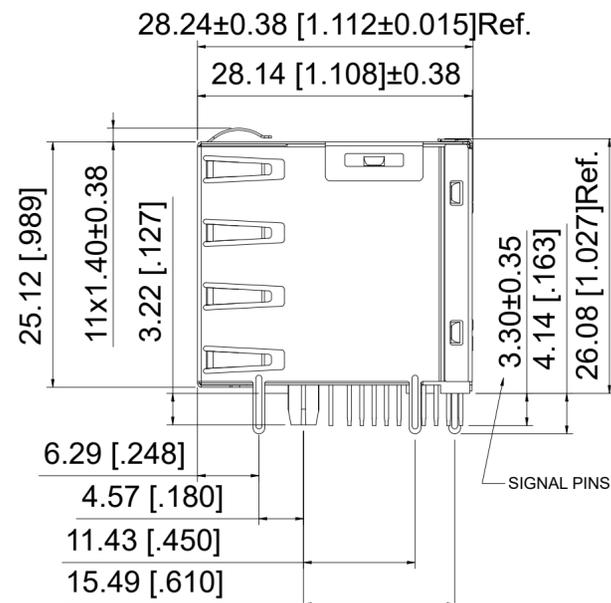
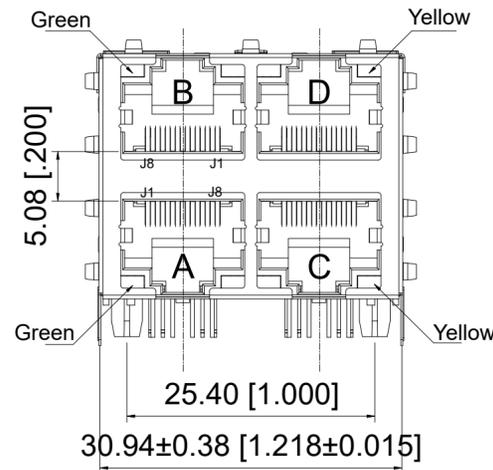
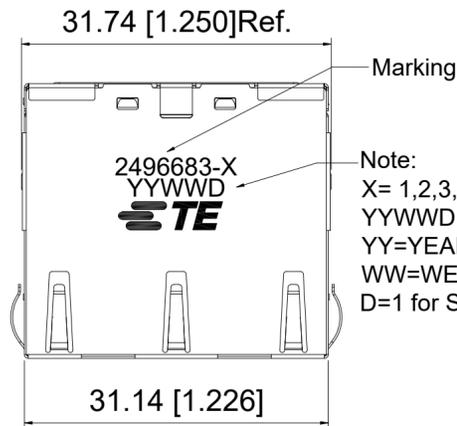
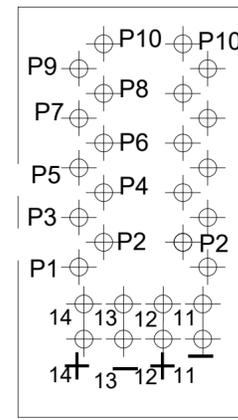


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-302719	21JAN2025	TR	RCG

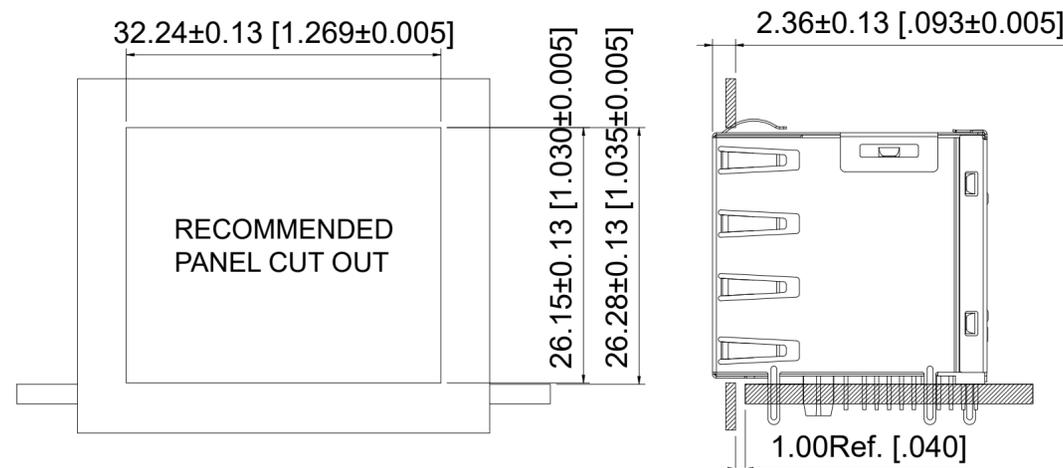
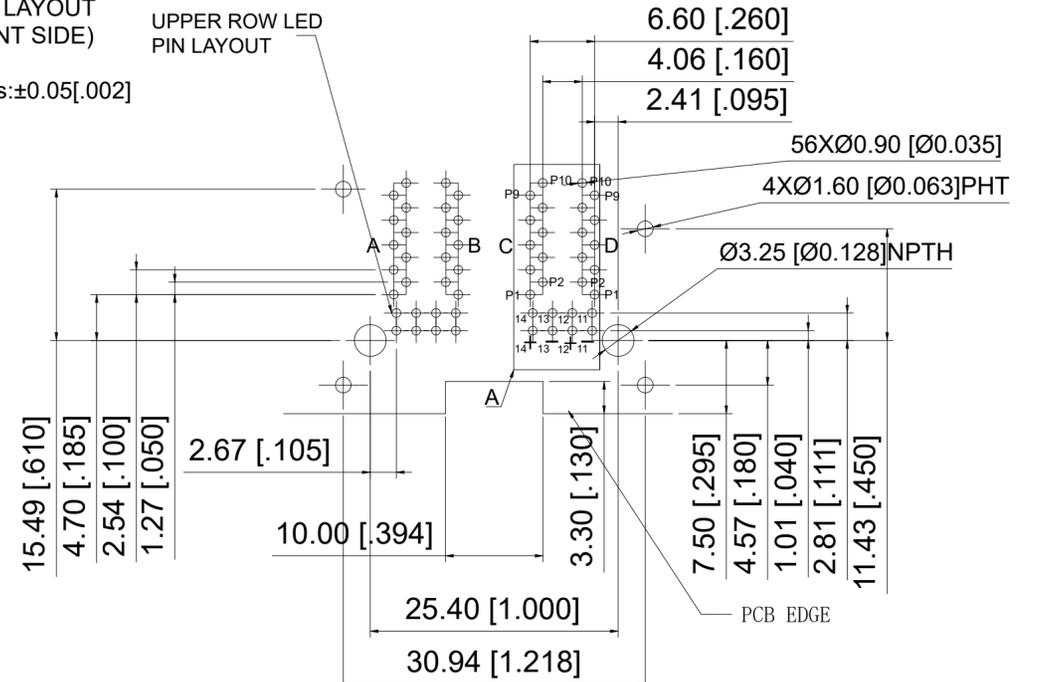
- NOTE :
- 1.HOUSING:GLASS FILLED PA46(BLACK) UL94V-0(RoHS)
 - 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
 - 3.SHIELD:0.2mm THICKNESS WITH BRASS.
 - 4.JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 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.



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



DETAIL A
 SCALE 2:1

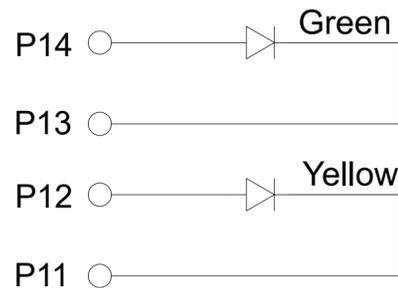
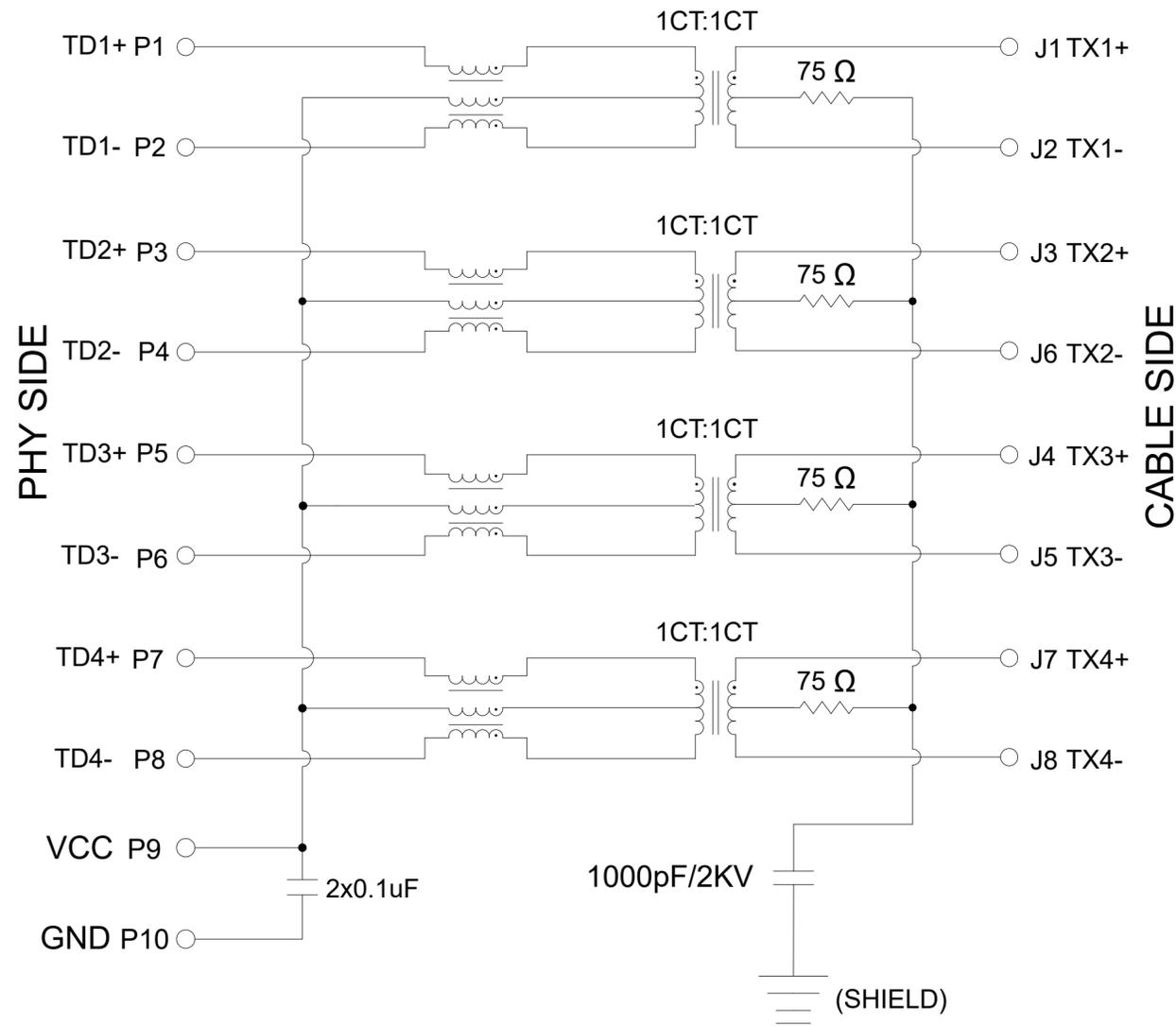


GOLD PLATING THICKNESS	PART NUMBER
GF	2496683-6
0.0762 μm [3μ"]	2496683-5
0.1524 μm [6μ"]	2496683-4
0.381 μm [15μ"]	2496683-3
0.762 μm [30μ"]	2496683-2
1.27 μm [50μ"]	2496683-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 04NOV2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024	NAME RJ45 W/MAGNET 2x2 2.5G LED	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05NOV2024	PRODUCT SPEC 108-161620	
0 PLC ± -	1 PLC ± 0.35	APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779
2 PLC ± 0.25	3 PLC ± 0.15	WEIGHT -	DRAWING NO C=2496683	RESTRICTED TO -
4 PLC ± -	ANGLES ± 2°	FINISH -	SCALE 1:1	SHEET 1 of 2
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)	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		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05NOV2024	NAME RJ45 W/MAGNET 2x2 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	RESTRICTED TO	
MATERIAL		APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779
FINISH		WEIGHT -	DRAWING NO C=2496683	
		CUSTOMER DRAWING		SCALE 1:1
		SHEET 2 OF 2		REV A