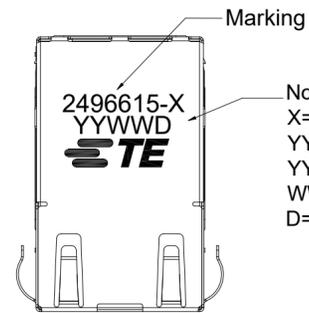
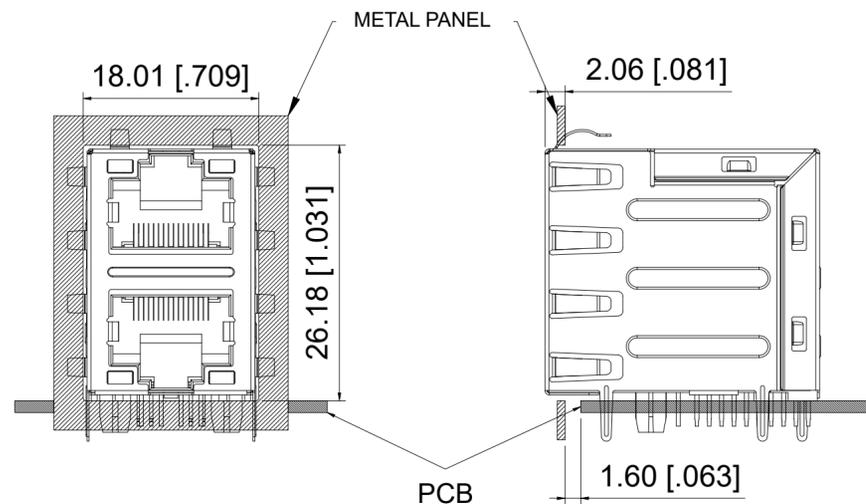


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-302719	21JAN2025	TR	RCG

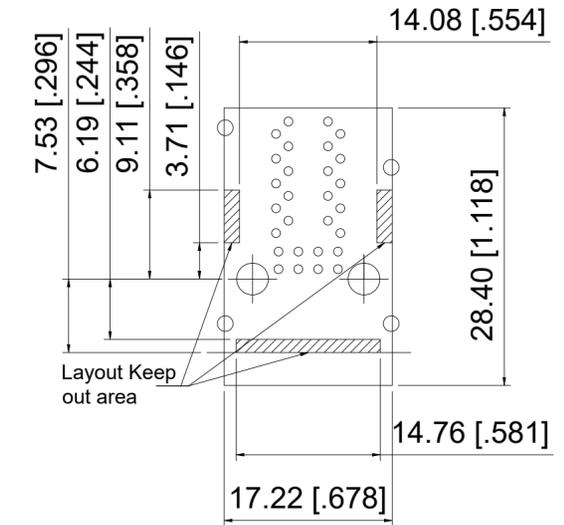
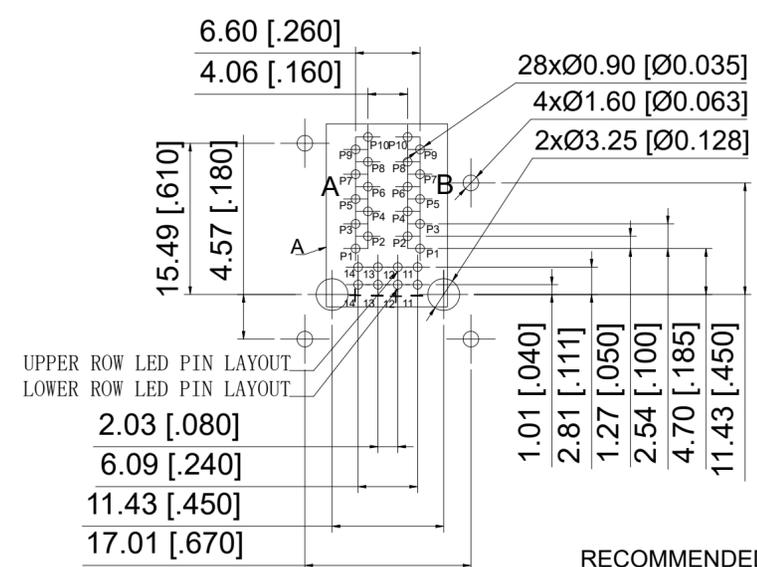
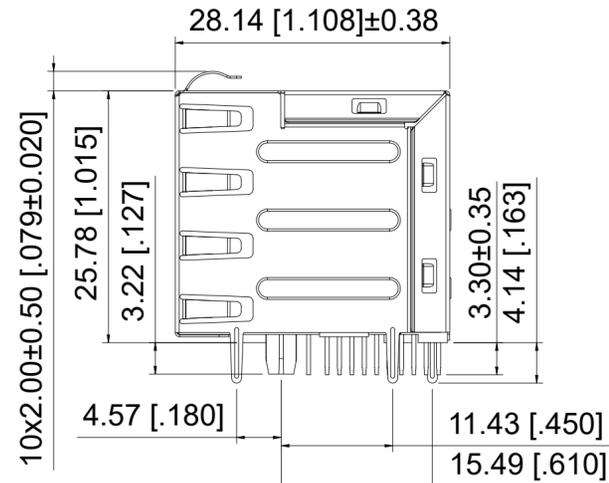
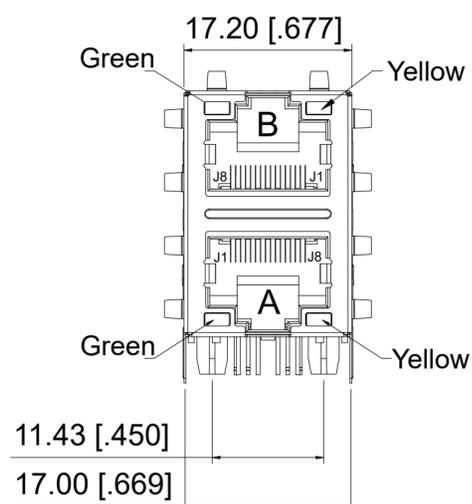


Note:
 X= 1,2,3,4,5,6
 YYWWD
 YY=YEAR
 WW=WEEK
 D=1 for Sunday - 7 for Saturday

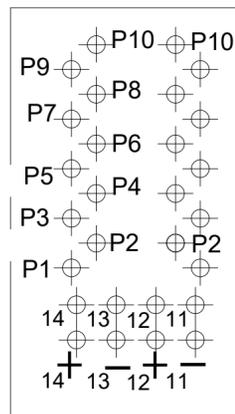
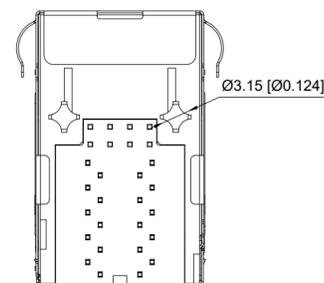


NOTE :

- HOUSING: GLASS FILLED PA46 (BLACK) UL94V-0 (RoHS)
- CONTACT: PHOSPHOR BRONZE, 50 MICRONS MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH (REFER PART NUMBER TABLE) GOLD AT MATING INTERFACE
- SHIELD: 0.2mm THICKNESS WITH BRASS.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUBPART F
- THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS PEAK SOLDERING TEMPERATURE IS 260°C MAX, 10 SECS MAX.
- 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]



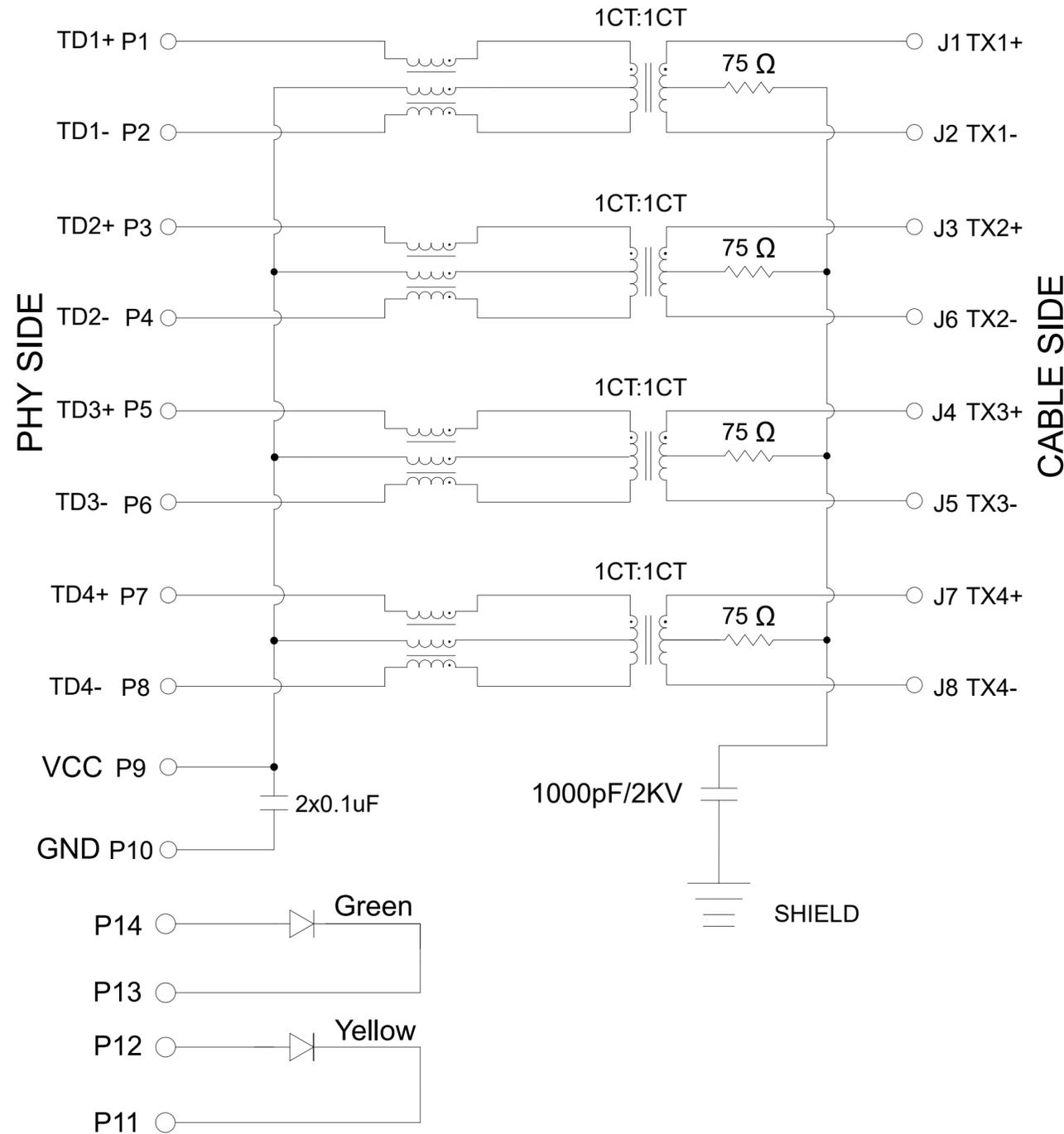
DETAIL A
 SCALE 2:1

GOLD PLATING THICKNESS	PART NUMBER
GF	2496615-6
0.0762 μm [3μ"]	2496615-5
0.1524 μm [6μ"]	2496615-4
0.381 μm [15μ"]	2496615-3
0.762 μm [30μ"]	2496615-2
1.27 μm [50μ"]	2496615-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 24OCT2024	TE Connectivity	
DIMENSIONS: mm		CHK RAMESH, KIVADER 25OCT2024	NAME RJ45 W/MAGNET 2X1 1G LED	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± - 1 PLC ± 0.35 2 PLC ± 0.25 3 PLC ± 0.15 4 PLC ± - ANGLES ± 2°		APVD RAGHAVAN, CG 25OCT2024	PRODUCT SPEC 108-161620	
MATERIAL		FINISH	APPLICATION SPEC 114-161217	RESTRICTED TO
		WEIGHT	SIZE A2	CAGE CODE 00779
		CUSTOMER DRAWING	DRAWING NO C=2496615	SCALE 1:1
			SHEET 1 of 2	REV A

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

Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C TO +85°C.
TURNS RATIO	1:1±2%
INDUCTANCE(OCL)	350uH MIN@100KHz/100mV With 8mA DC Bias
INSERTION LOSS	-1.0dB MAX@0.3MHz-100MHz;
RETURN LOSS (Z out=100 OHM)	-18dB MIN@1MHz-30MHz; -16dB MIN@30MHz-60MHz; -12dB MIN@60MHz-80MHz;-10dB MIN@80MHz-100MHz;
CROSSTALK (ADJACENT CHANNELS)	-30dB MIN@1-100MHz;
COMMON MODE REJECTION RATIO	-30dB MIN@1-100MHz;
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 24OCT2024		
DIMENSIONS: mm		CHK RAMESH, KIVADER 25OCT2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 25OCT2024	NAME RJ45 W/MAGNET 2X1 1G 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		FINISH	SIZE A2	CAGE CODE 00779
		WEIGHT	DRAWING NO C=2496615	SCALE 1:1
		CUSTOMER DRAWING	SHEET 2 OF 2	REV A