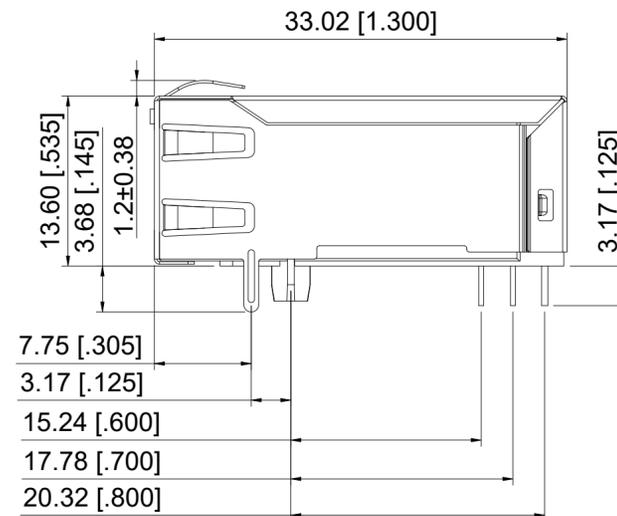
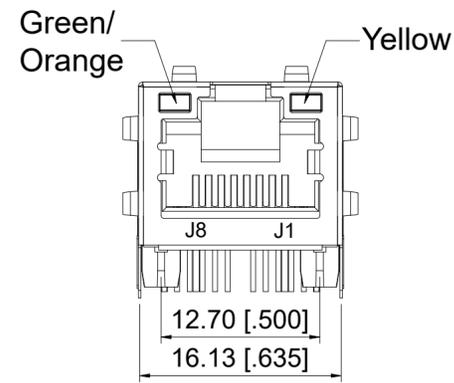
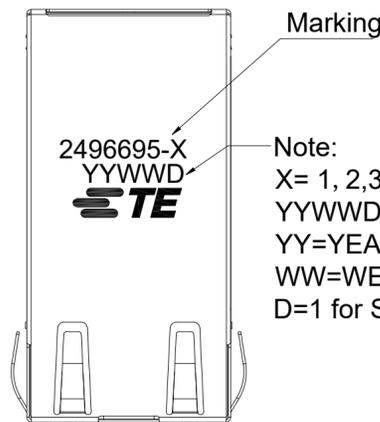
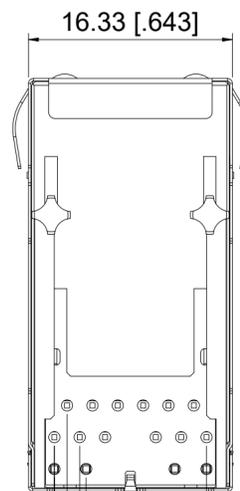


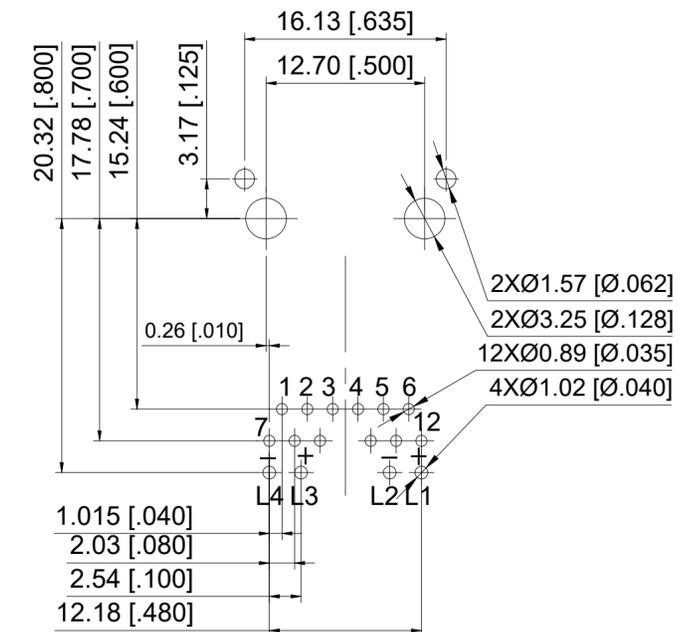
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-302719	24JAN2025	TR	RCG



- NOTE :**
- 1.HOUSING:GLASS FILLED PA46(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.

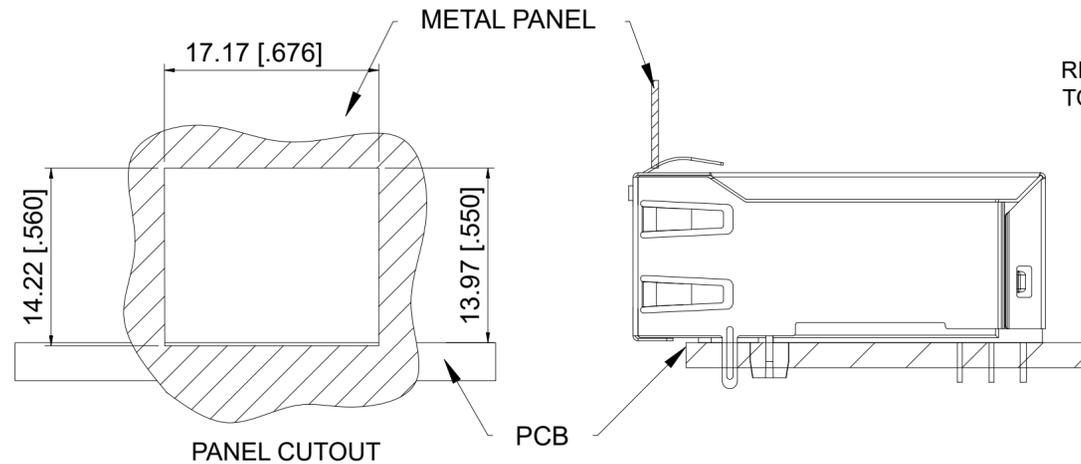
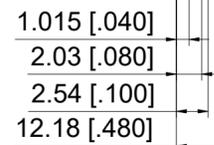


**Note:**  
 X= 1, 2,3,4,5,6  
 YYWWD  
 YY=YEAR  
 WW=WEEK  
 D=1 for Sunday - 7 for Saturday



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

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

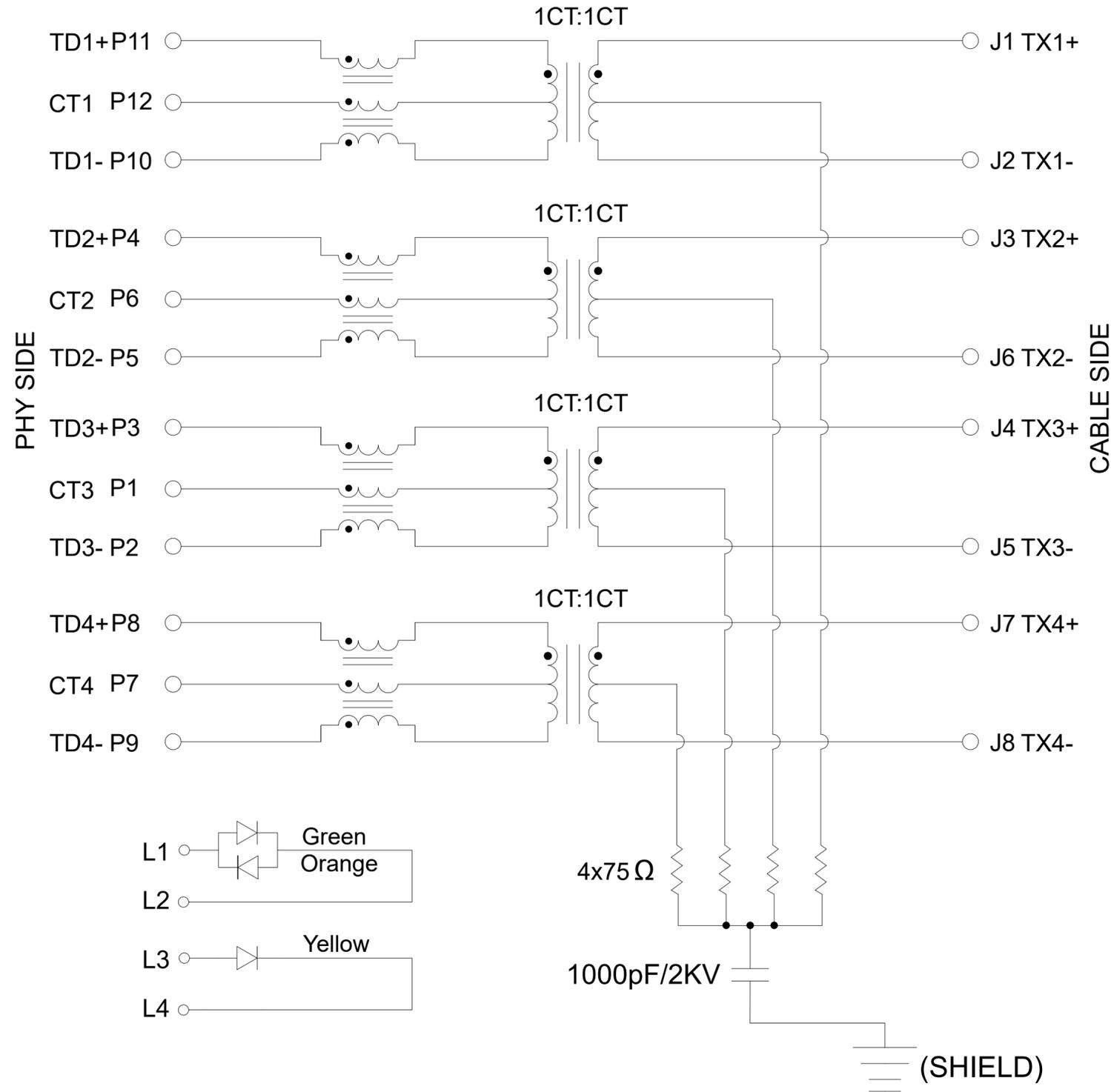


GF	2496695-6
0.0762 μm [3μ"]	2496695-5
0.1524 μm [6μ"]	2496695-4
0.381 μm [15μ"]	2496695-3
0.762 μm [30μ"]	2496695-2
1.27 μm [50μ"]	2496695-1
<b>GOLD PLATING THICKNESS</b>	<b>PART NUMBER</b>

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	TARUN, R	05NOV2024	TE Connectivity	NAME		RJ45 W/MAGNET 1X1 5G LED	
DIMENSIONS:		CHK	RAMESH, KIVADER	05NOV2024		PRODUCT SPEC		108-161620	
mm [INCHES]		APVD	RAGHAVAN, CG	05NOV2024		APPLICATION SPEC		114-161217	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		MATERIAL		FINISH		WEIGHT	SCALE	CAGE CODE	DRAWING NO
0 PLC	± -	-		-	-	A2	00779	C=2496695	-
1 PLC	± 0.35	-		-	-	CUSTOMER DRAWING		SCALE	1:1
2 PLC	± 0.25	-		-	-	SHEET		1 OF 2	REV
3 PLC	± 0.15	-		-	-	REV		A	
4 PLC	± -	-		-	-				
ANGLES	± 2°	-		-	-				

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)	-0.5dB MAX@1MHz-50MHz; -1.0dB MAX@50MHz-125MHz; -2.0dB MAX@125MHz-200MHz; -2.5dB MAX@200MHz-250MHz;
RETURN LOSS(RL) (Z out=100 OHM)	-20dB MIN@1MHz-50MHz; -20+15LOG(f/40MHz)dB MIN@50MHz-250MHz;
CROSSTALK (ADJACENT CHANNELS)	-25dB MIN@1MHz-125MHz; -20dB MIN@125MHz-250MHz;
COMMON MODE REJECTION RATIO(CMRR)	-23dB MIN@1MHz-250MHz;
COMMON TO DIFFERENTIAL MODE REJECTION(REF)	-23dB MIN@1MHz-250MHz;
HI-POT	2250 VDC@60 SECONDS

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Forward V(max)	TYP
GREEN	570nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V
ORANGE	605nm	2.5V	2.1V

\*WITH A FORWARD CURRENT OF 20mA

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 05NOV2024																				
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024																				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05NOV2024	NAME RJ45 W/MAGNET 1X1 5G LED																			
<table border="0"> <tr> <td>0 PLC</td> <td>±</td> <td>-</td> </tr> <tr> <td>1 PLC</td> <td>±</td> <td>0.35</td> </tr> <tr> <td>2 PLC</td> <td>±</td> <td>0.25</td> </tr> <tr> <td>3 PLC</td> <td>±</td> <td>0.15</td> </tr> <tr> <td>4 PLC</td> <td>±</td> <td>-</td> </tr> <tr> <td>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	
0 PLC	±	-																				
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=2496695																		
				SCALE 1:1																		
				SHEET 2 OF 2																		
				REV A																		
CUSTOMER DRAWING																						