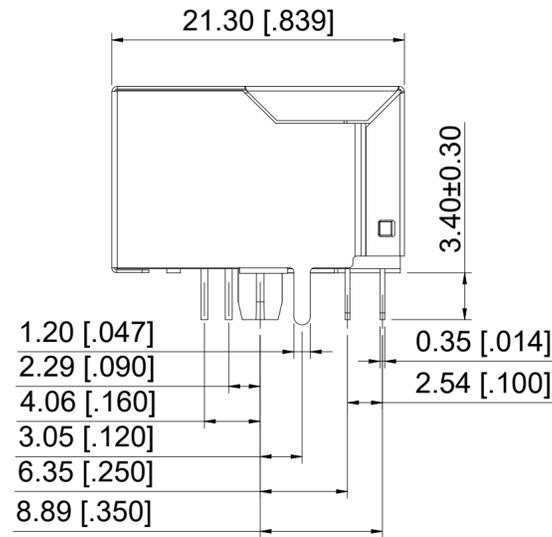
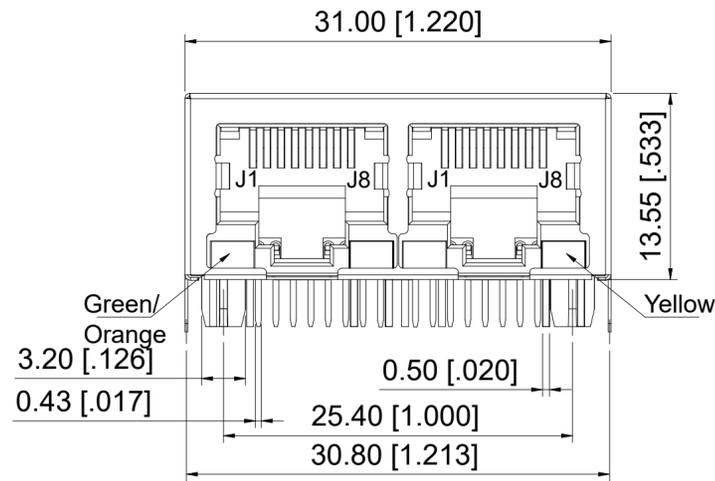
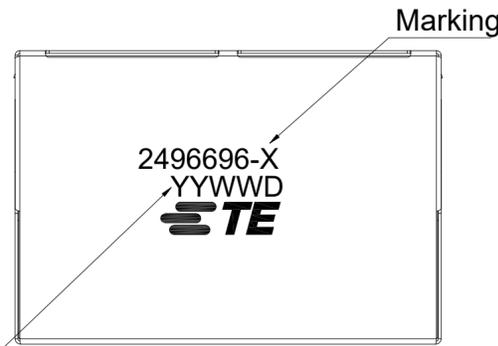
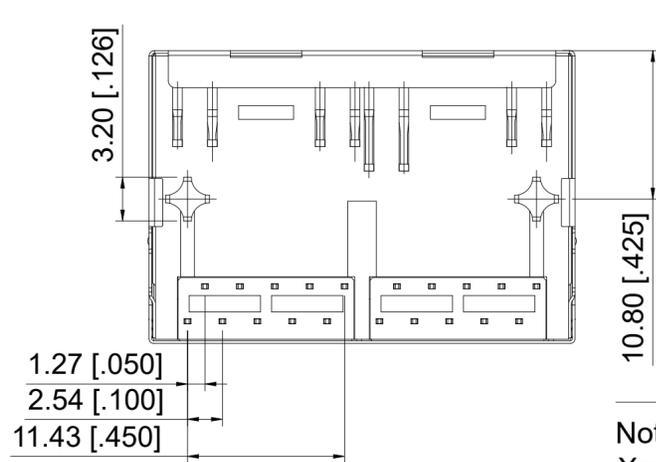


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-302719	24JAN2025	TR	RCG

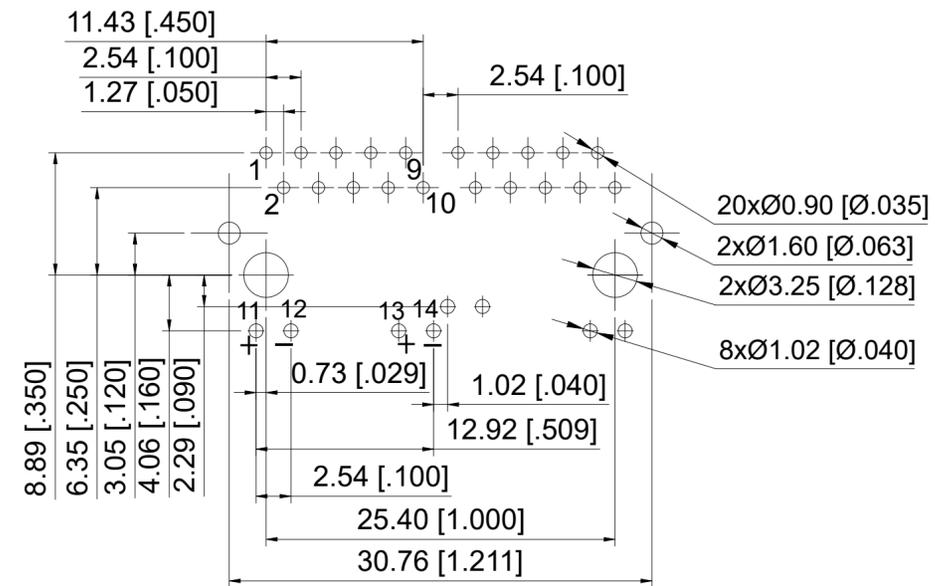


MATERIALS

- 1.HOUSING:GLASS FILLED PA46(BLACK) UL94V-0(RoHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICRONS 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.

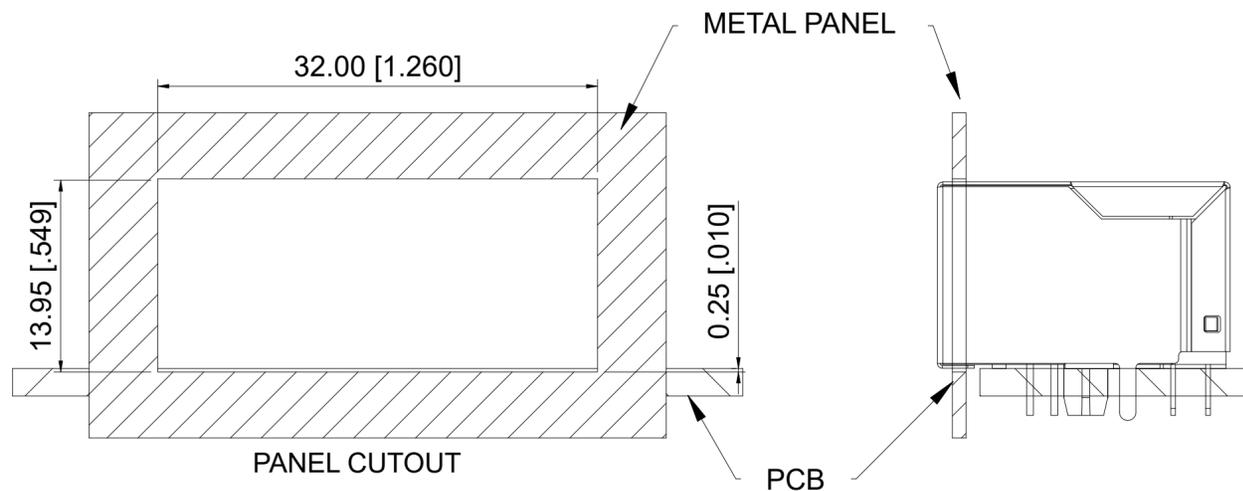


Note:
 X= 1, 2,3,4,5,6
 YYWWD
 YY=YEAR
 WW=WEEK
 D=1 for Sunday - 7 for Saturday



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

Dimensions Tolerance:
 All PCB LAYOUT
 Tolerances:±0.05[.002]

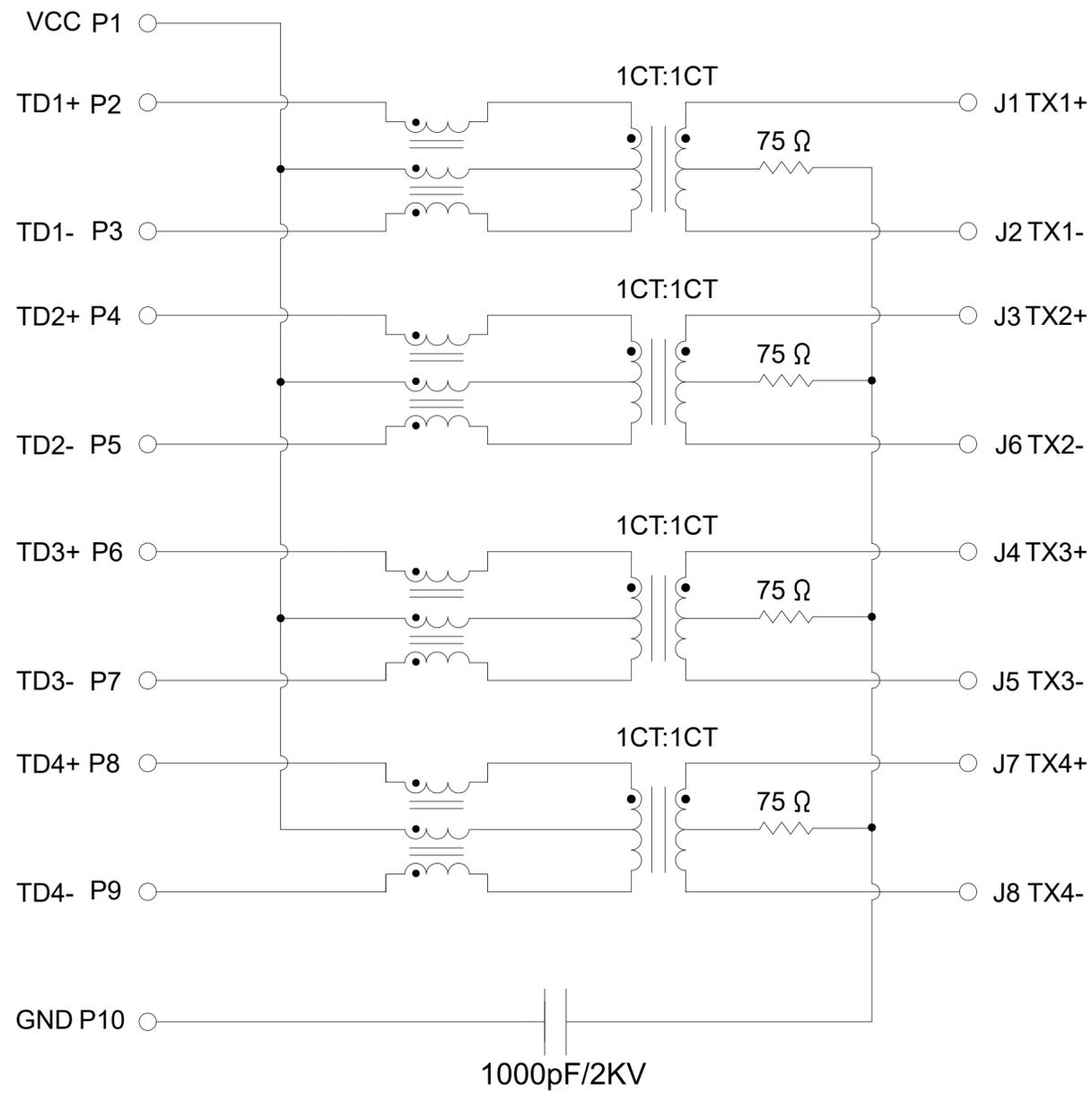


GOLD PLATING THICKNESS	PART NUMBER
GF	2496696-6
0.0762 µm [3µ"]	2496696-5
0.1524 µm [6µ"]	2496696-4
0.381 µm [15µ"]	2496696-3
0.762 µm [30µ"]	2496696-2
1.27 µm [50µ"]	2496696-1

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 1X2 5G LED	
0 PLC ± -		PRODUCT SPEC 108-161620	SIZE A2	
1 PLC ± 0.35		APPLICATION SPEC 114-161217	CAGE CODE 00779	DRAWING NO C=2496696
2 PLC ± 0.25		WEIGHT -	RESTRICTED TO -	
3 PLC ± 0.15		CUSTOMER DRAWING		
4 PLC ± -		SCALE 1:1 SHEET 1 OF 2 REV A		
ANGLES ± 2°				
FINISH				

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

Schematic



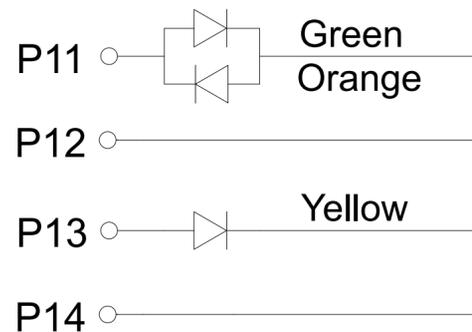
CABLE SIDE

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 04NOV2024		
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 05NOV2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 05NOV2024	NAME RJ45 W/MAGNET 1X2 5G LED	
0 PLC ± -		PRODUCT SPEC 108-161620	RESTRICTED TO	
1 PLC ± 0.35		APPLICATION SPEC 114-161217	SIZE A2	CAGE CODE 00779
2 PLC ± 0.25		WEIGHT -	DRAWING NO C=2496696	
3 PLC ± 0.15		FINISH -	SCALE 1:1	
4 PLC ± -		SHEET 2 OF 2		
ANGLES ± 2°		REV A		
MATERIAL -		CUSTOMER DRAWING		