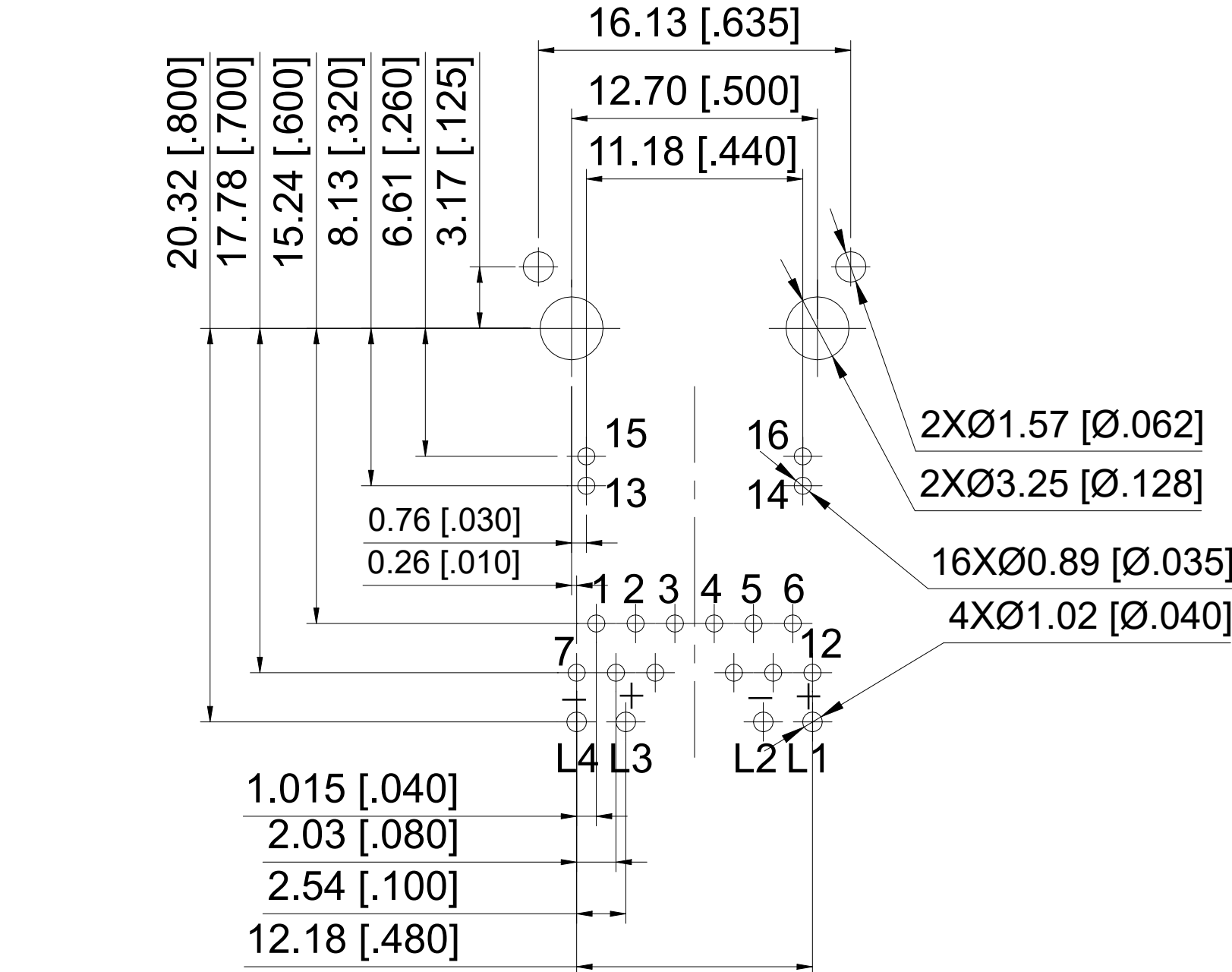
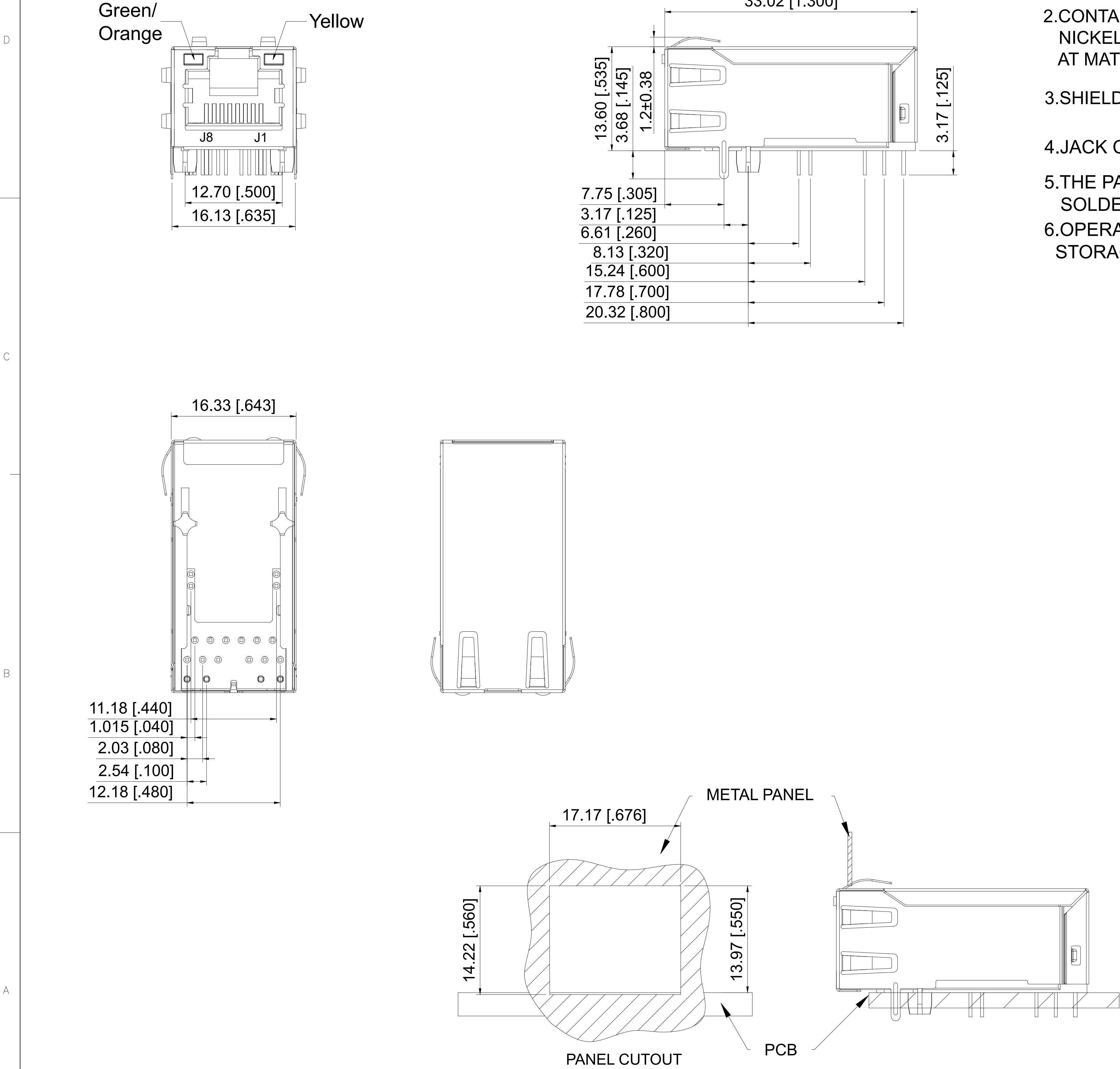


NOTES:

- 1.HOUSING MATERIAL:GLASS FILLED PA46(BLACK) UL94V-0(ROHS)
- 2.CONTACT: PHOSPHOR BRONZE,50 MICROINCHES MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH SELECTED (REFER P/N TABLE) MICROINCHES 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 RECOMMENDDDED 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.



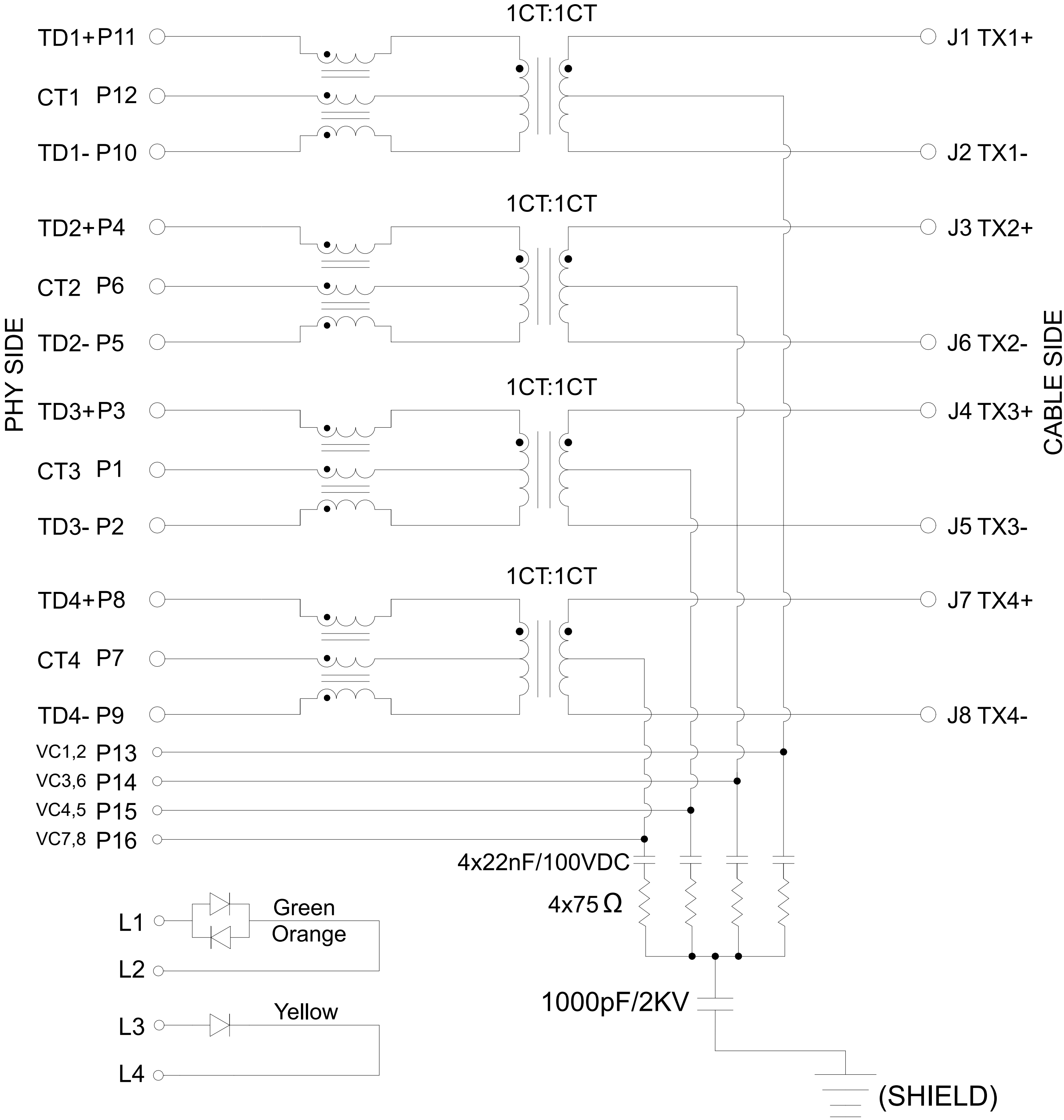
RECOMMENDED P.C.B LAYOUT
TOP VIEW (COMPONENT SIDE)

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

0.04572 μm [1.8μ"]	2489108-6
0.0762 μm [3μ"]	2489108-5
0.1524 μm [6μ"]	2489108-4
0.381 μm [15μ"]	2489108-3
0.762 μm [30μ"]	2489108-2
1.27 μm [50μ"]	2489108-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAMESH KIVADER 12JUN2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK RAMESH KIVADER 12JUN2024	NAME RJ45 1X1 Tab_Up/Through Hole/4PPoE+(100W) 5G Base-T W/LED	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD P.S. SATHISH 12JUN2024	APPLICATION SPEC	
0. PLC ± 0.10 1. PLC ± 0.25 2. PLC ± 0.25 3. PLC ± 0.25 4. PLC ± 0.25 ANGLES ± 2		SIZE A1		RESTRICTED TO
MATERIAL -		WEIGHT 0		SCALE 1:1
FINISH -		CUSTOMER DRAWING		SHEET 1 OF 2
		REV A		

Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
URNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	120uH MIN@100KHz/100mV With 19mA DC Bias For(CHANNEL 1,2,3,4) 180uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL 1,2,3,4)
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;
DC CURRENT/VOLTAGE RATING-PSE PINS	1000mA MAXIMUM@57VDC(CONTINUOUS)
HI-POT	2250 VDC@60 SECONDS

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Farward 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

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[TE Connectivity:](#)

[2489108-1](#)