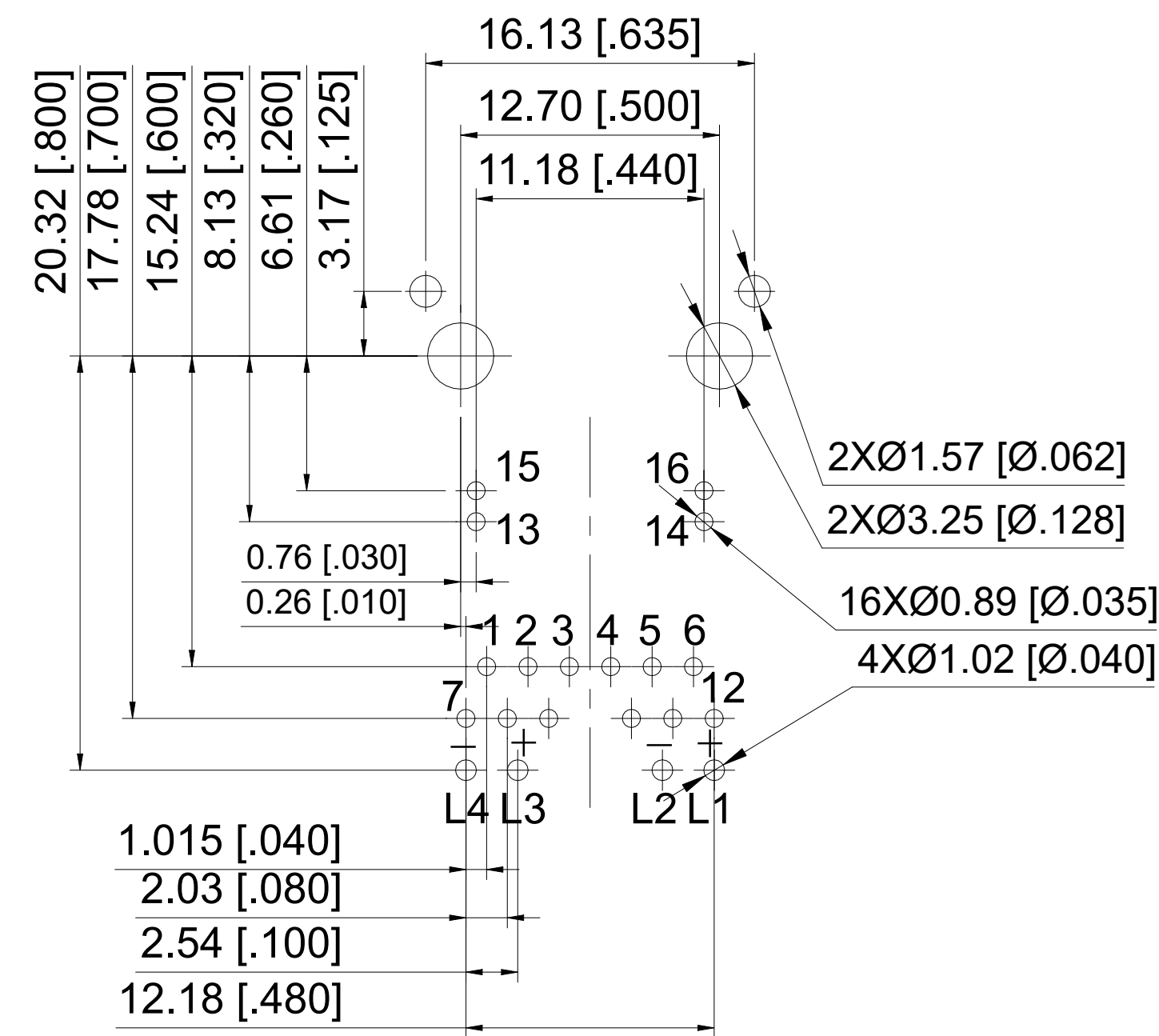
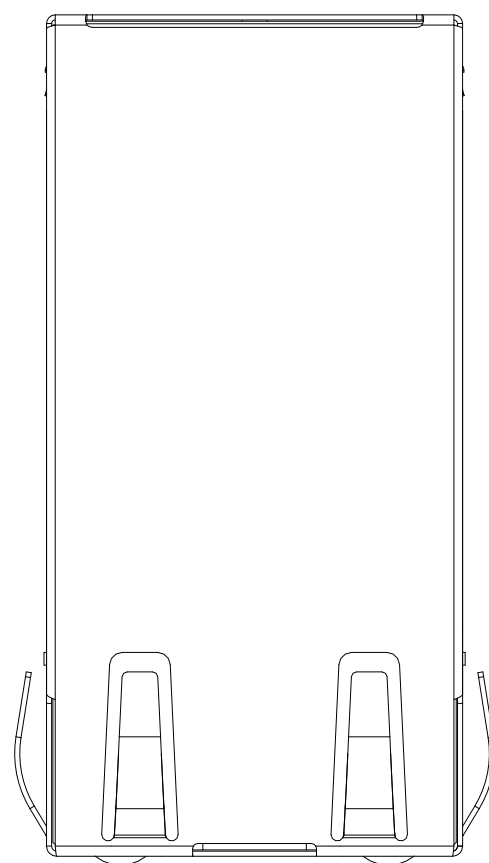
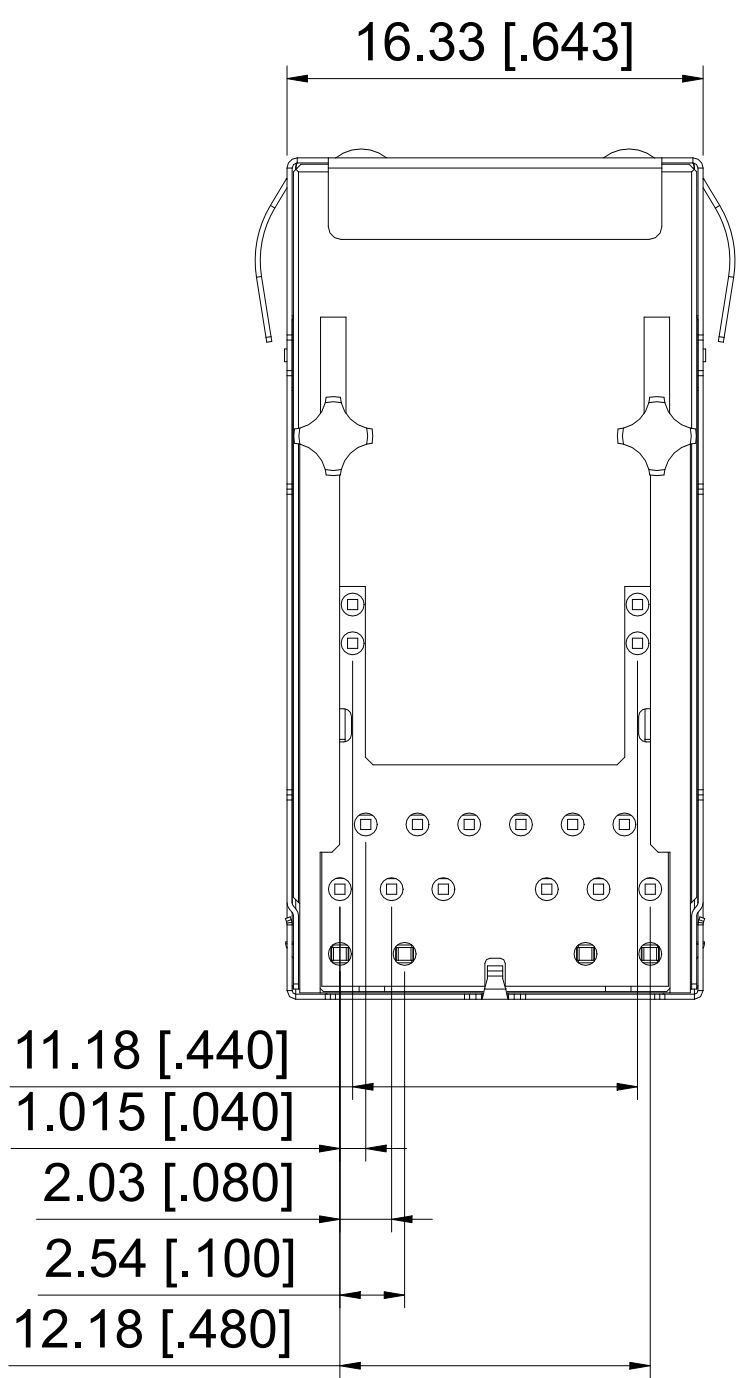
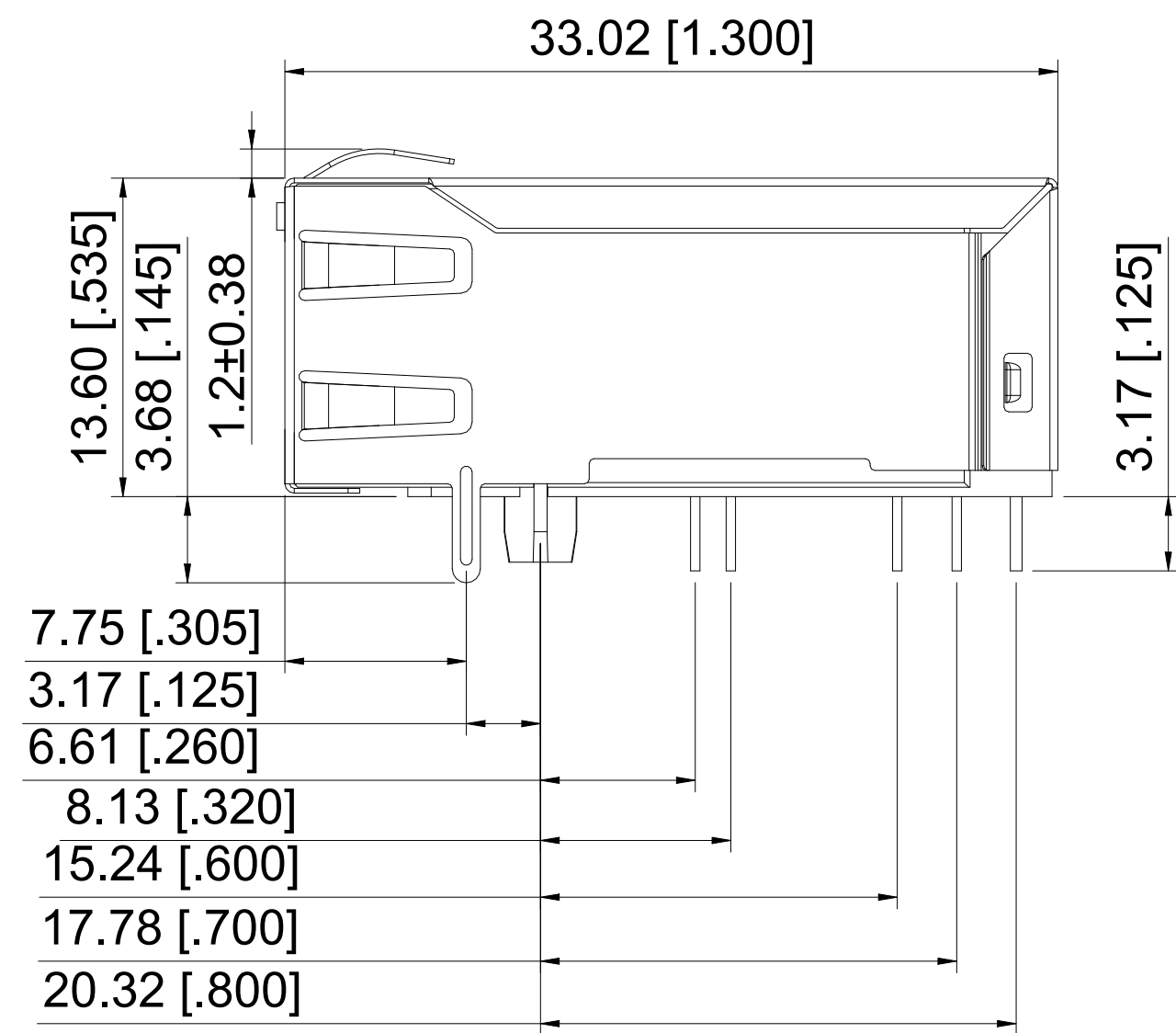
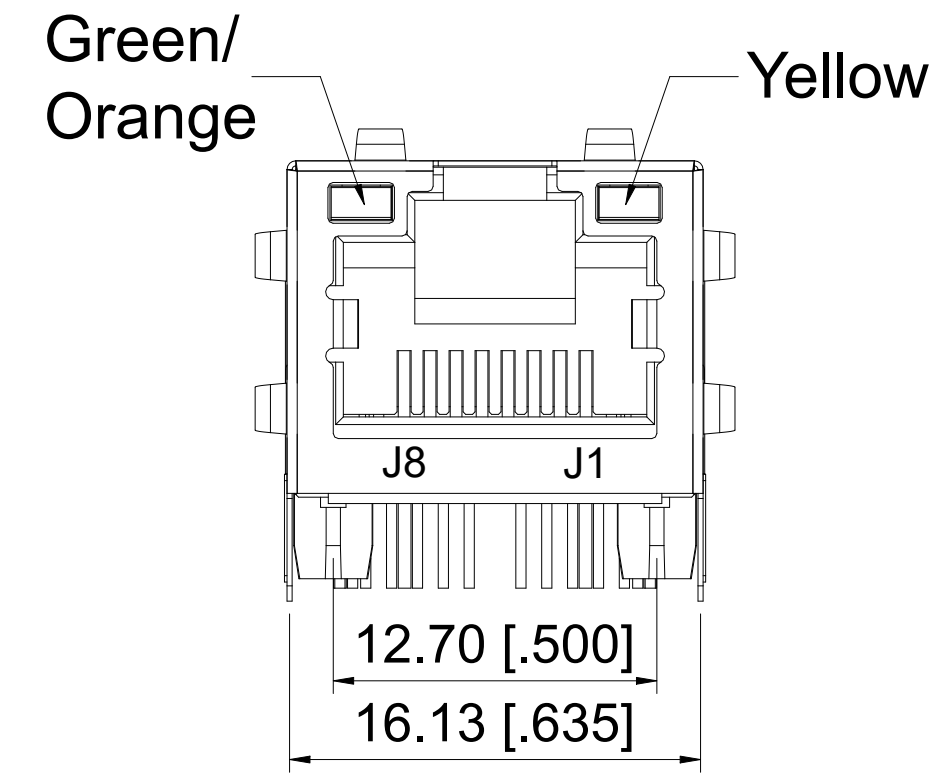


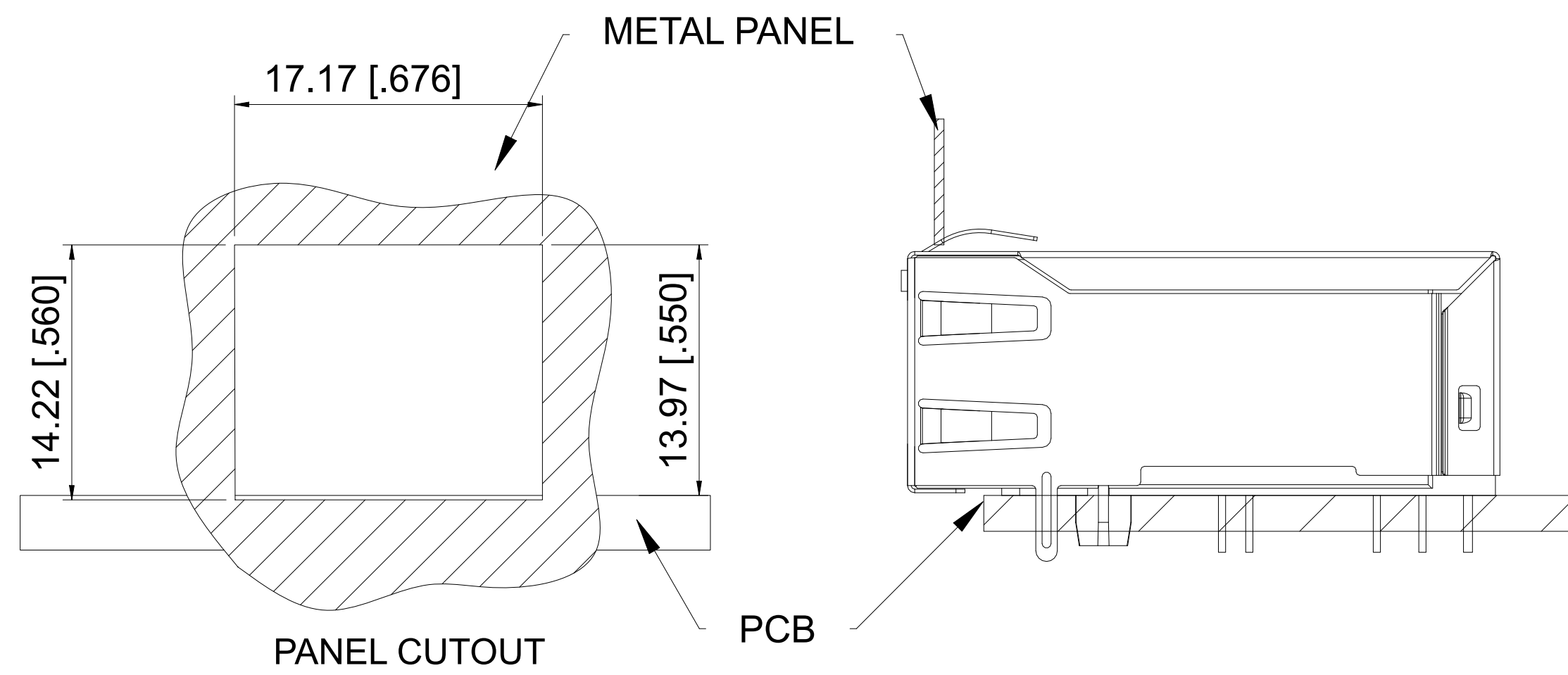
NOTES:

- 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 CHART) 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]

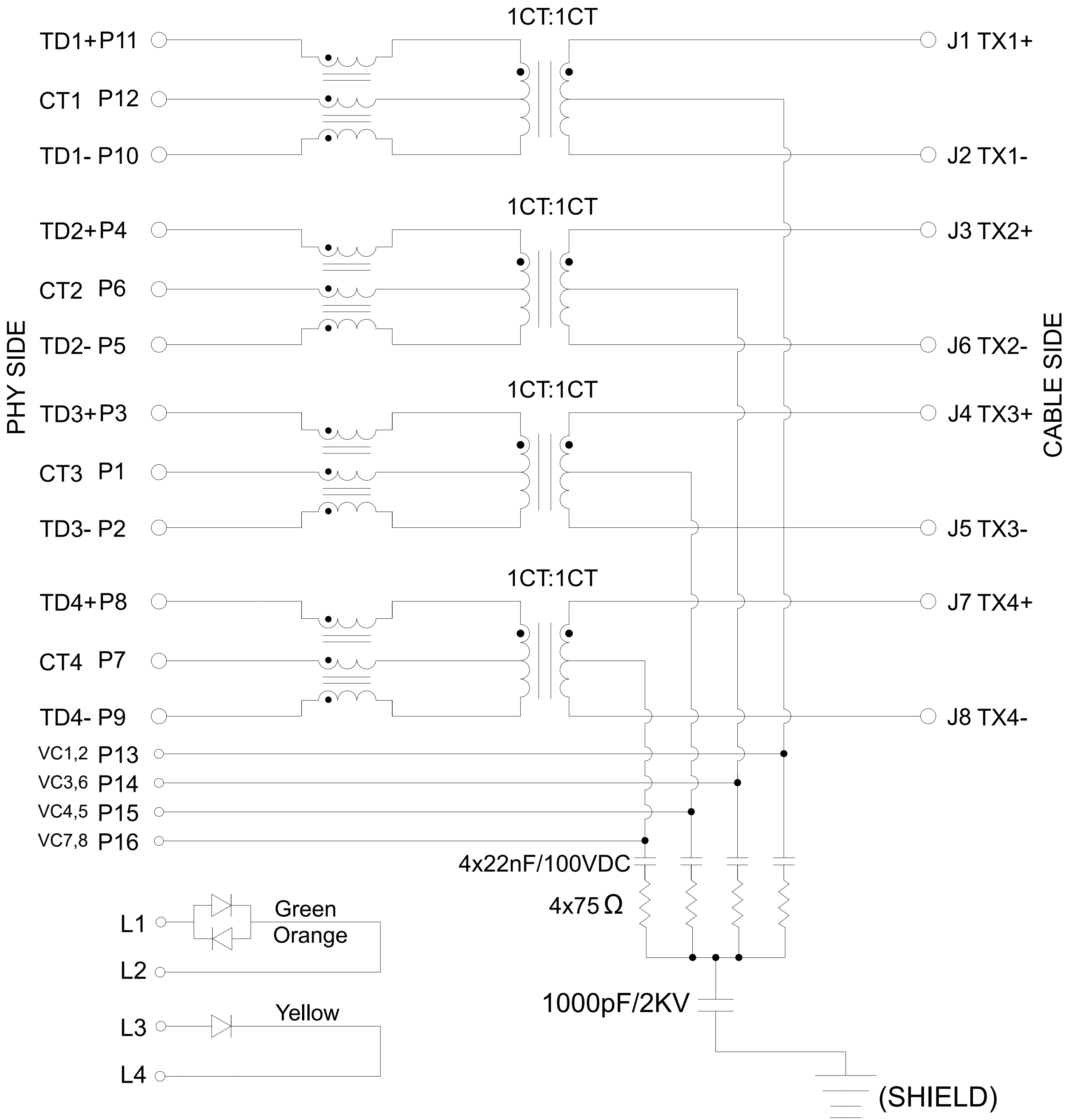


0.04572 μm [1.8μ"]	2489107-6
0.0762 μm [3μ"]	2489107-5
0.1524 μm [6μ"]	2489107-4
0.381 μm [15μ"]	2489107-3
0.762 μm [30μ"]	2489107-2
1.27 μm [50μ"]	2489107-1
GOLD PLATING THICKNESS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAMESH_KIVADER 12JUN2024	TE Connectivity	
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK RAMESH_KIVADER 12JUN2024	NAME RJ45 1X1 Tab_Up/Through Hole/UPoE+(60W) 2.5G Base-T W/LED	RESTRICTED TO
		APVD PSS_SATHISH 12JUN2024		
	0. PLC ± 0.10 1. PLC ± 0.25 2. PLC ± 0.25 3. PLC ± 0.25 4. PLC ± 0.25 ANGLES ± 0.2	APPLICATION SPEC	SIZE A1	CAGE CODE 00779
		WEIGHT 0	DRAWING NO 2489107	
MATERIAL -	FINISH -	CUSTOMER DRAWING		SCALE 1:1
		SHEET 1 OF 2		REV A

REVISIONS					
P	T	LTR	DESCRIPTION	DATE	DWN
—	—	—	SEE SHEET 1	—	—

Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C To +85°C
TURNS RATIO	1:1±2%
OPEN CIRCUIT INDUCTANCE(OCL)	120uH MIN@100KHz/100mV With 19mA DC Bias For(CHANNEL1,2,3,4) 180uH MIN@100KHz/100mV With 8mA DC Bias For(CHANNEL1,2,3,4)
INSERTION LOSS(IL)	-1.0dB MAX@1MHz-100MHz; -1.0dB MAX@100MHz-125MHz;
RETURN LOSS(RL) (Z out=100 OHM)	-20dB MIN@1MHz-40MHz; -20+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;
DC CURRENT/VOLTAGE RATING-PSE PINS	720mA 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

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAMESH KIVADER 12JUN2024		
		CHK RAMESH KIVADER 12JUN2024		
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD P.S. SATHISH 12JUN2024	NAME	RJ45 1X1 Tab_Up/Through Hole/UPoE+(60W) 2.5G Base-T W/LED
	0. PLC ± 0.10 1. PLC ± 0.25 2. PLC ± 0.25 3. PLC ± 0.25 4. PLC ± 0.25 ANGLES ± 2	PRODUCT SPEC	SIZE	CAGE CODE
		APPLICATION SPEC	DRAWING NO	RESTRICTED TO
MATERIAL	FINISH	WEIGHT	A1 00779	2489107
CUSTOMER DRAWING			SCALE	1:1
			SHEET	2 of 2
			REV	A

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[2489107-1](#)