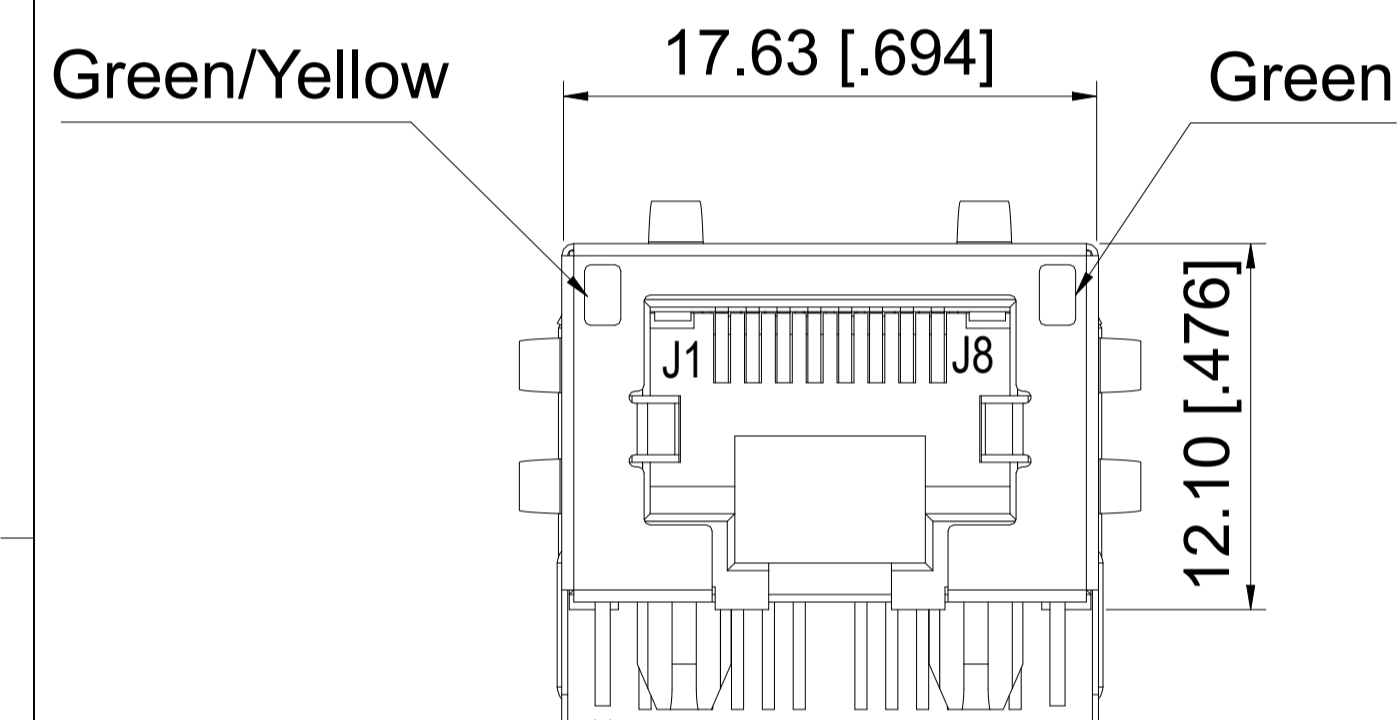
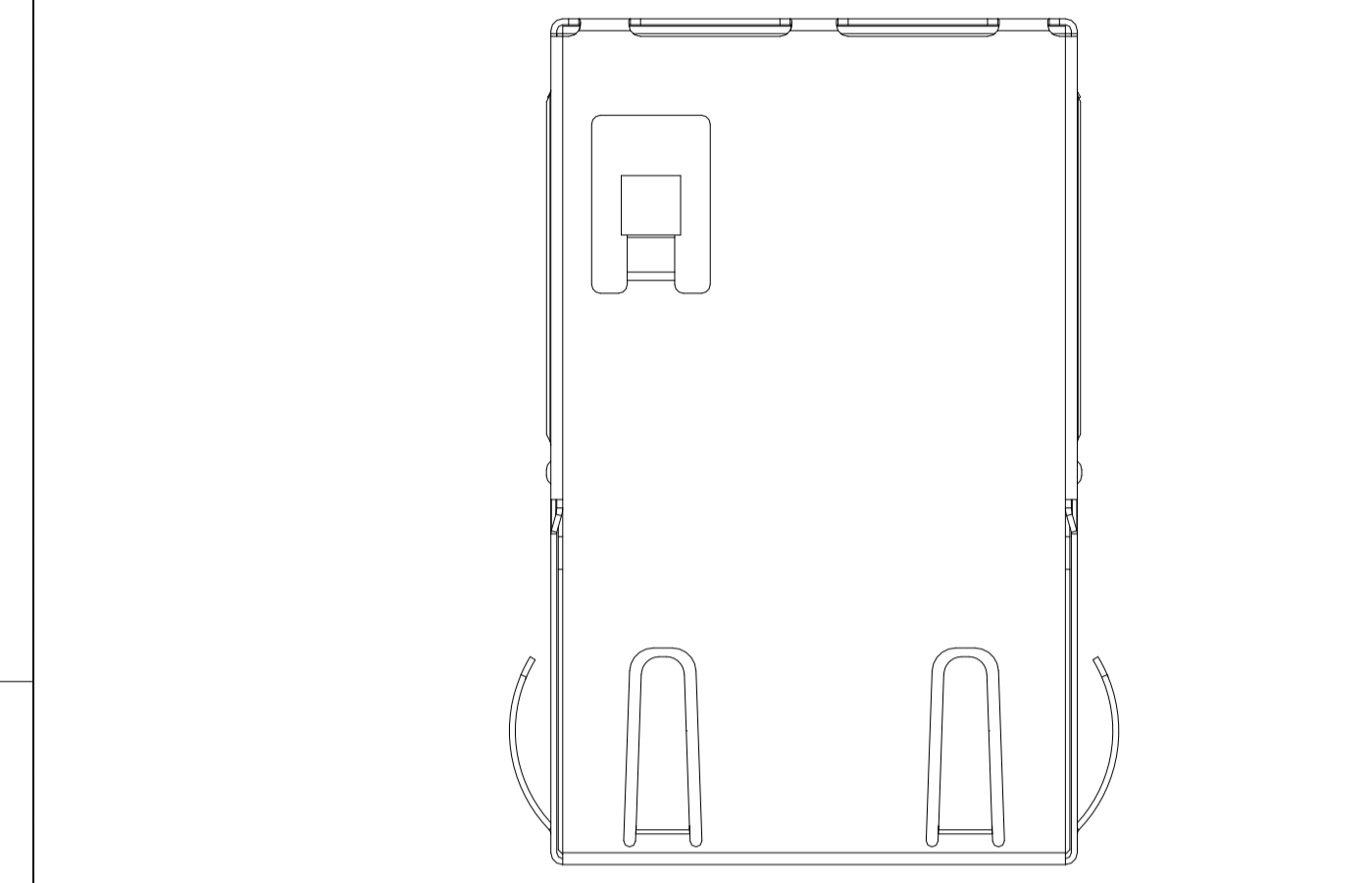


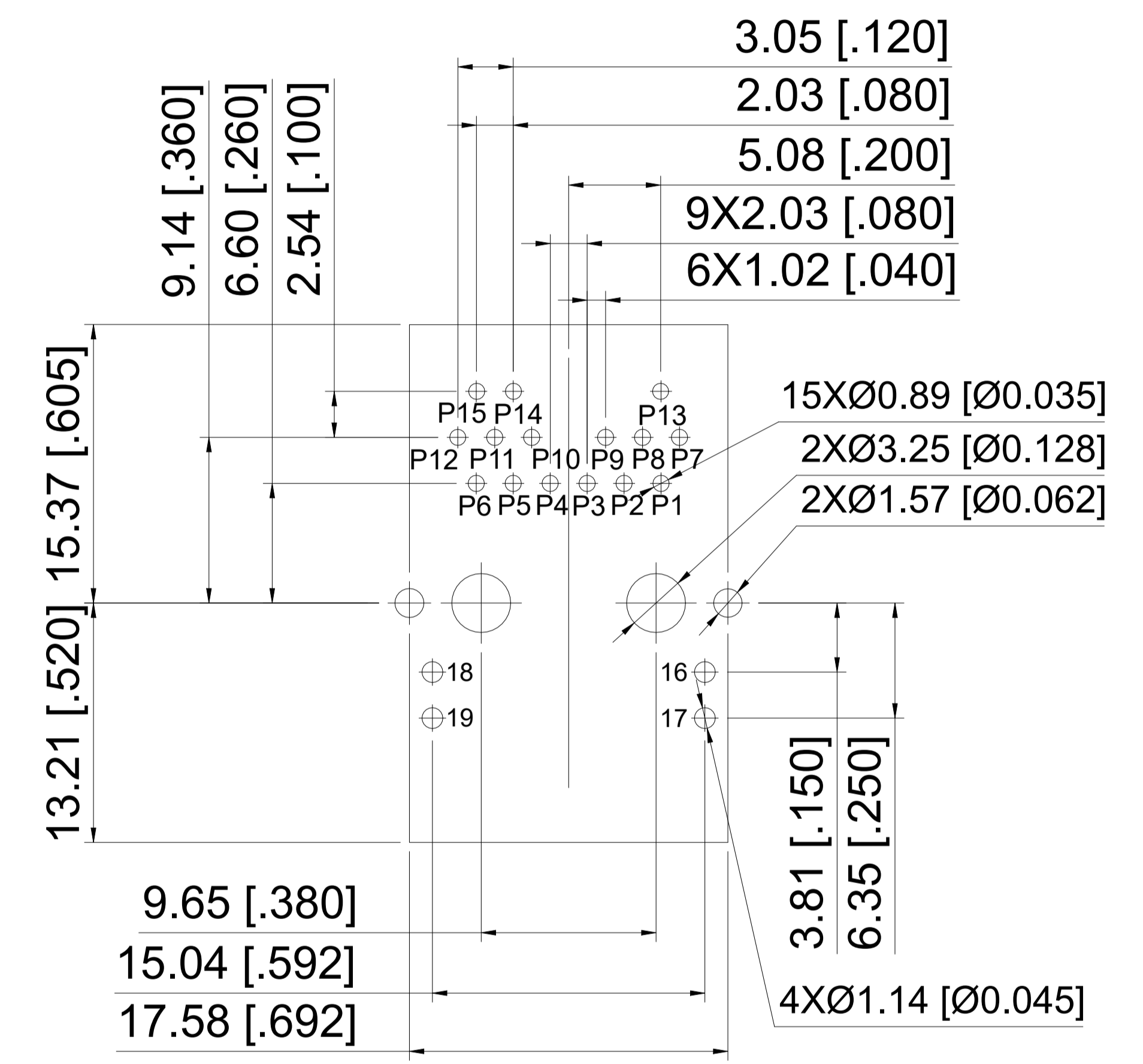
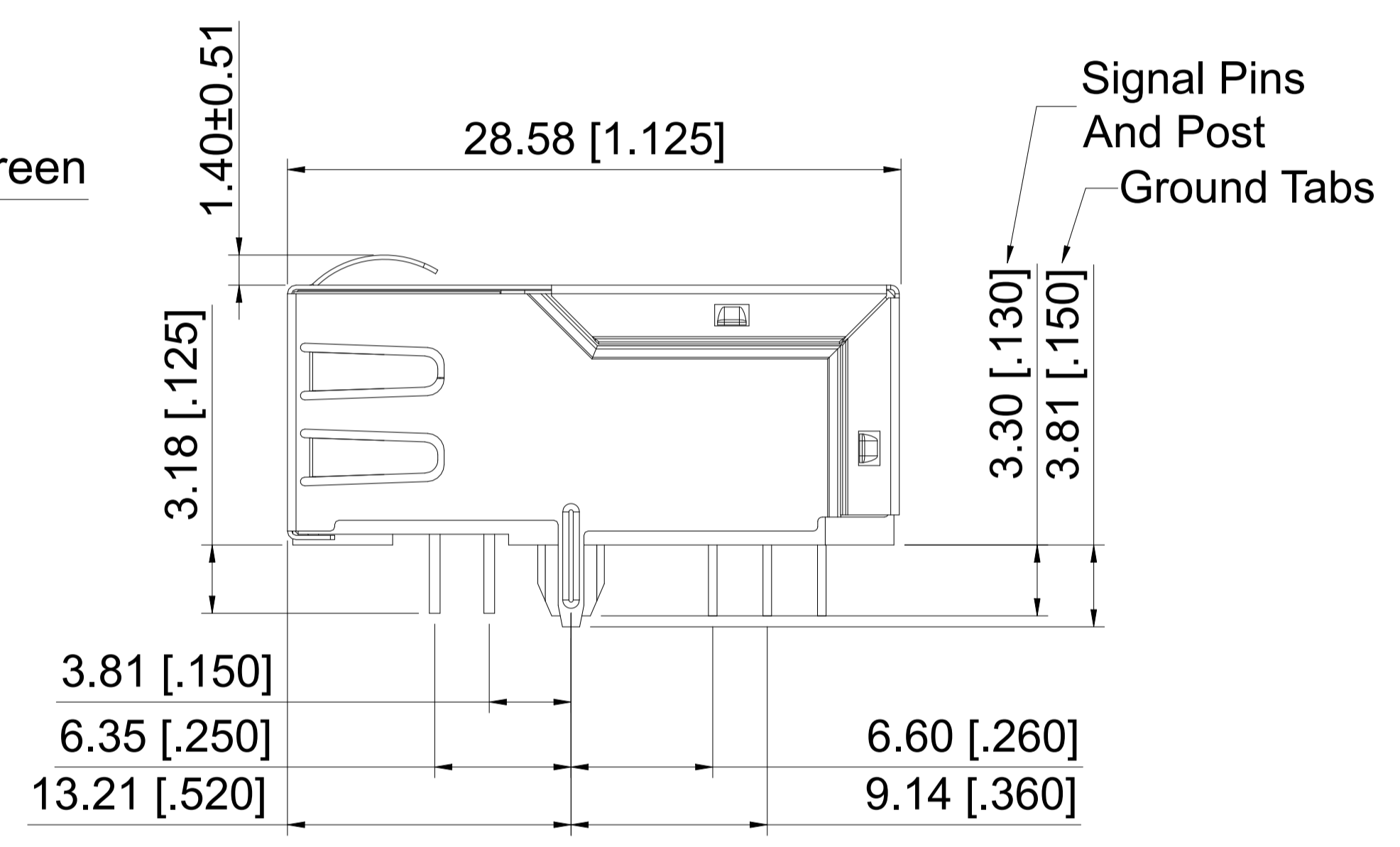
REVISIONS				
REV	DESCRIPTION	DATE	BY	APP'D
A	INITIAL RELEASE	11JUL2024	RK	PSS

NOTES

- HOUSING MATERIAL: GLASS FILLED PA46 (BLACK) UL94V-0 (ROHS)
- CONTACT: PHOSPHOR BRONZE .50 MICRONS MIN. OVERALL DUCTILE NICKEL UNDERPLATE WITH SELECTED (REFER P/N TABLE) MICRONS 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 265±5°C, 10 SECS.
- OPERATING TEMPERATURE: 0°C TO +70°C.
STORAGE TEMPERATURE: -40°C TO +85°C.

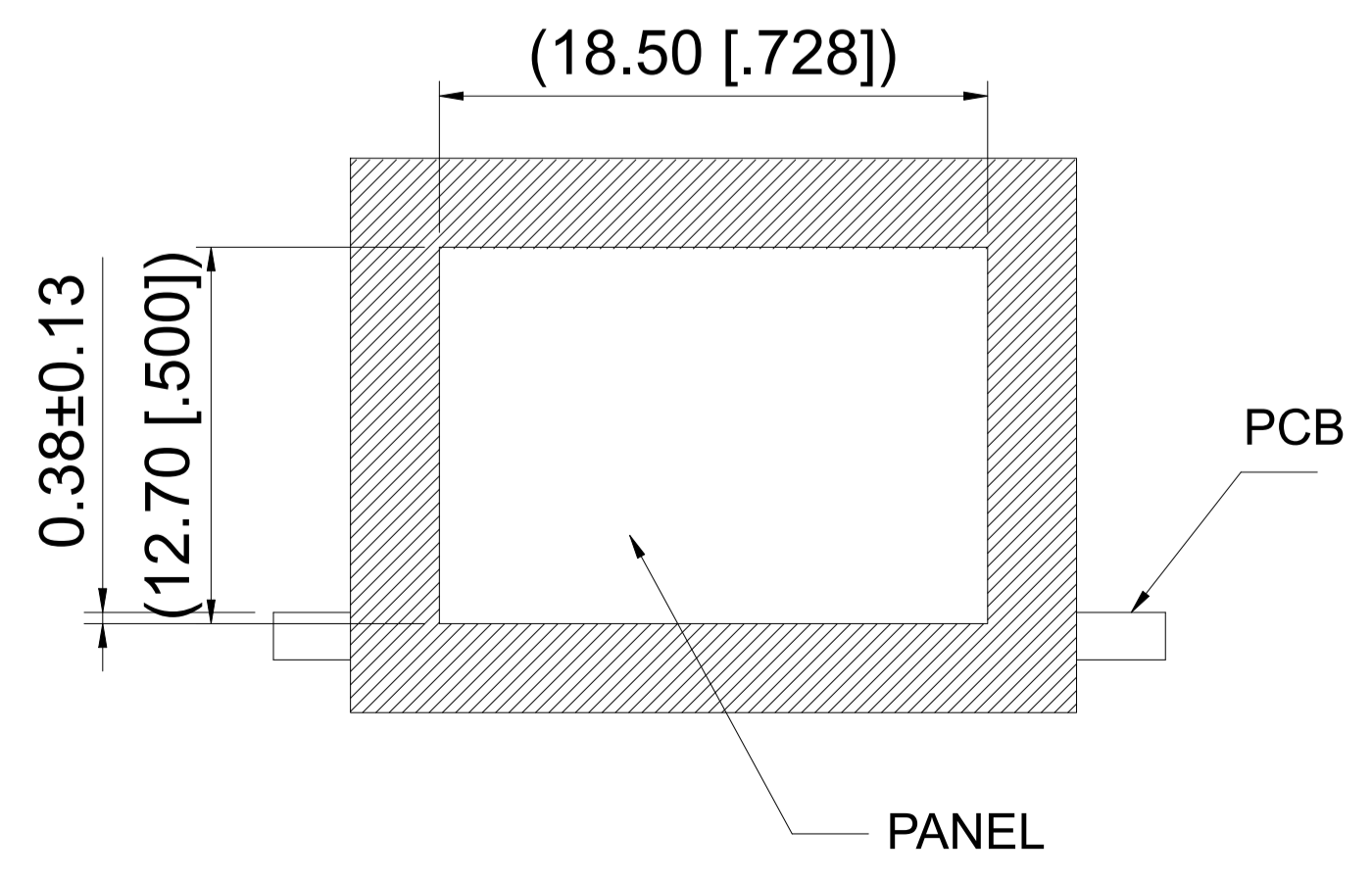
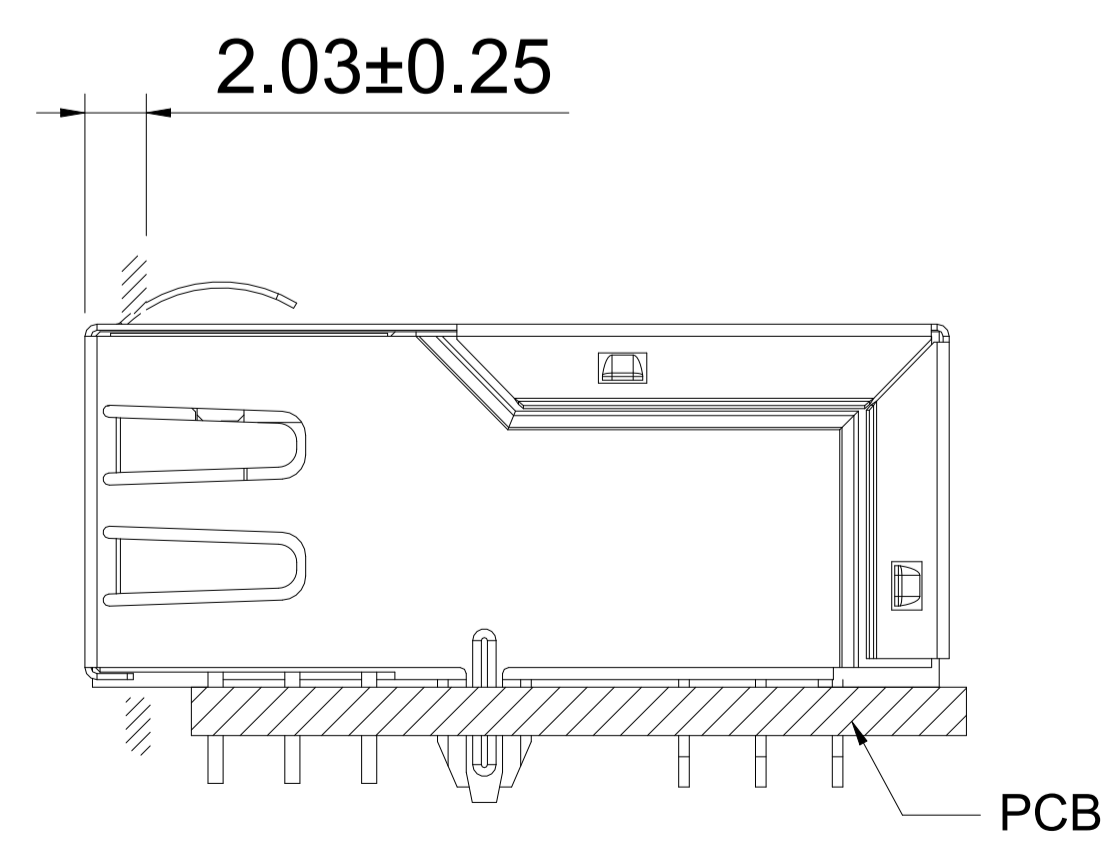
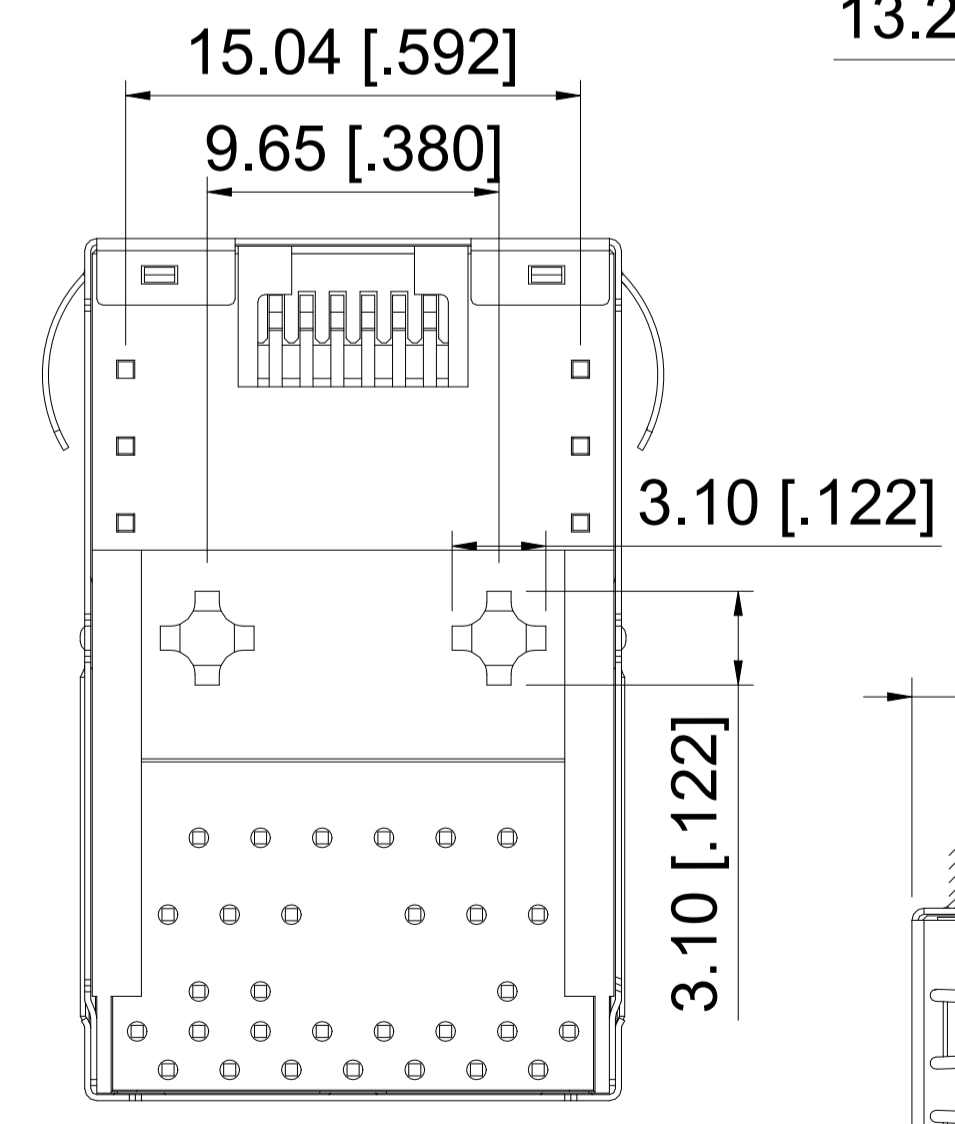


LED0.50 [.020]
RJ0.40 [.016]



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

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



0.04572 µm [1.8µ"]	2489048-6
0.0762 µm [3µ"]	2489048-5
0.1524 µm [6µ"]	2489048-4
0.381 µm [15µ"]	2489048-3
0.762 µm [30µ"]	2489048-2
1.27 µm [50µ"]	2489048-1
GOLD PLATING THICKNESS	PART NUMBER

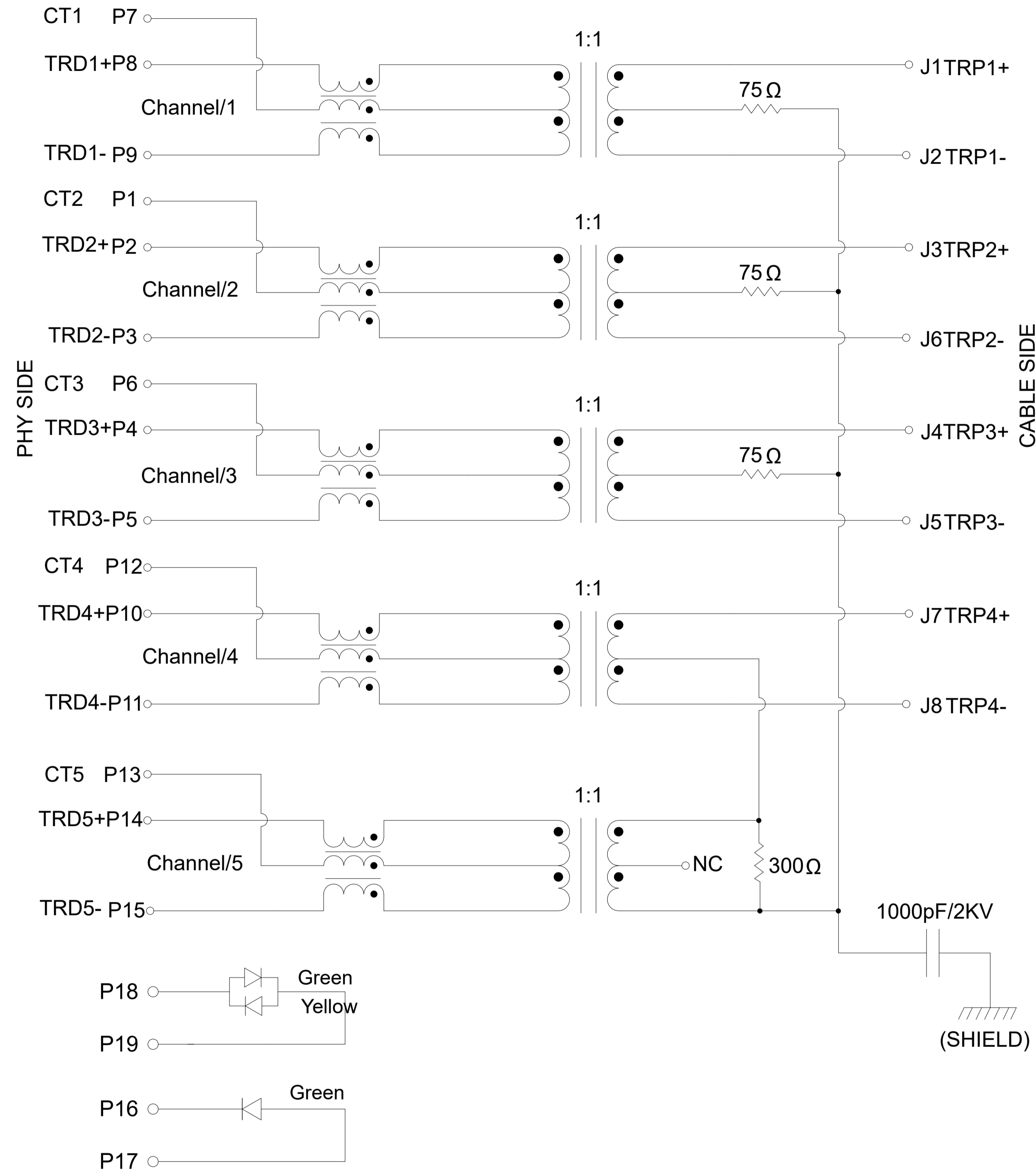
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWG RAMESH_KIVADER 11JUN2024	CHK RAMESH_KIVADER 11JUN2024	NAME RAMESH_KIVADER
0. PLC ± 0.1	1. PLC ± 0.25	APPROV PSS_SATHISH 11JUN2024	PRODUCT SPEC	APPLIC SPEC
2. PLC ± 0.25	3. PLC ± 0.25	SIZE A1	CAGE CODE 00779	DRAWING NO C=2489048
4. PLC ± 0.25	ANGLES ± 2	WEIGHT 0	SCALE 1:1	RESTRICTED TO 1 OF 2
MATERIAL	FINISH	CUSTOMER DRAWING		REV A

TE Connectivity

RJ45 1X1 Tab_Down/Through Hole
10G Base-T W/LED

Schematic



PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	0°C To +70°C
TURNS RATIO	1:1±2%
INDUCTANCE(OCL)	120uH MIN@100KHz/100mV With 8mA DC Bias
INSERTION LOSS	-3.0dBMAX@1-500MHz;
RETURN LOSS	-22dBMIN@1-100MHz; -22+20.75xLOG(f/100)dBMIN@100-500MHz;
CROSSTALK (ADJACENT CHANNELS)	-28dBMIN@1-100MHz; -19dBMIN@100-500MHz;
COMMON MODE REJECTION RATIO	-30dBMIN@1-100MHz; -20dBMIN@100-500MHz;
COMMON MODE TO DIFFERENTIAL MODE ATTENUATION	-30dBMIN@1-250MHz; -22dBMIN@250-500MHz;
HI-POT	2250VDC@60 SECONDS(Channel1/2/3/4)

LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Forward V(max)	TYP
GREEN	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V

*WITH A FORWARD CURRENT OF 20mA

REVISIONS				
REV	DATE	DESCRIPTION	BY	APP'D
-	-	SEE SHEET 1	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG: RAMESH_KIVADER 11JUN2024	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK: RAMESH_KIVADER 11JUN2024		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D: PS_SATHISH 11JUN2024	NAME: RJ45 1X1 Tab_Down/Through Hole 10G Base-T W/LED	
0. PLC ± 0.1 1. PLC ± 0.25 2. PLC ± 0.25 3. PLC ± 0.25 4. PLC ± 0.25 ANGLES ± 2°		PRODUCT SPEC: -	RESTRICTED TO: -	
MATERIAL: -		APPLICATION SPEC: -	SIZE: A1	CAGE CODE: 00779
FINISH: -		WEIGHT: -	DRAWING NO: C=2489048	
		CUSTOMER DRAWING		SCALE: 1:1 SHEET 2 OF 2 REV A