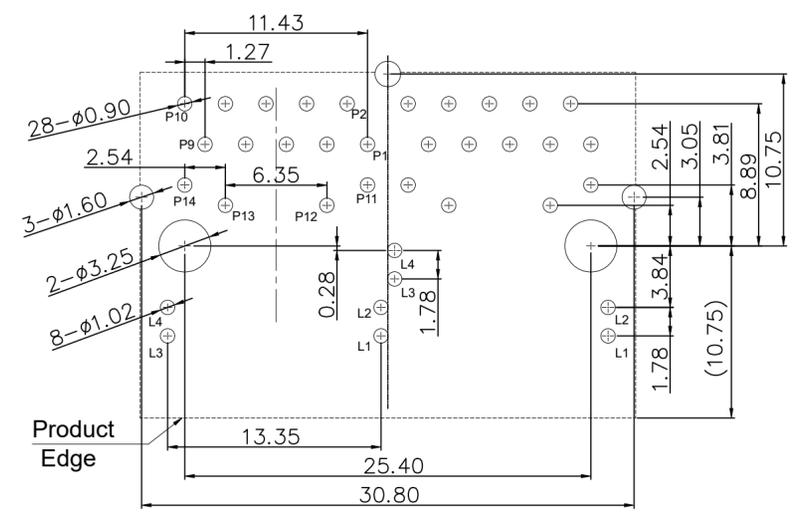
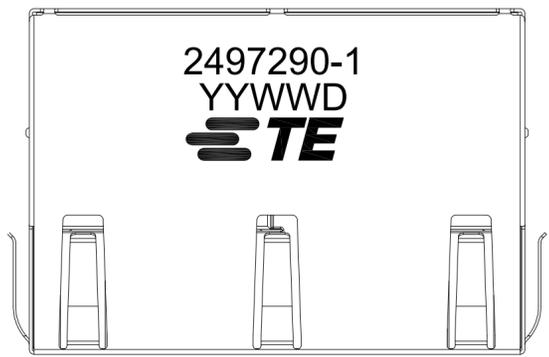
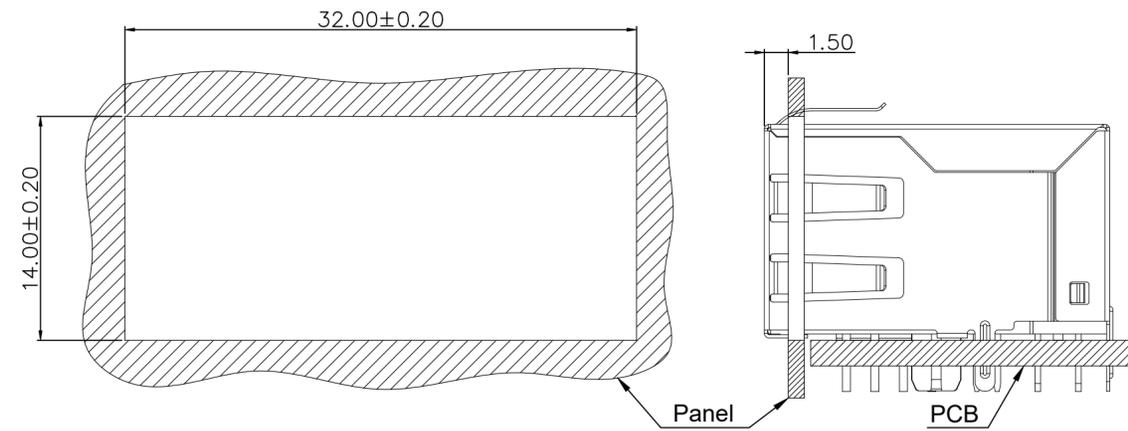
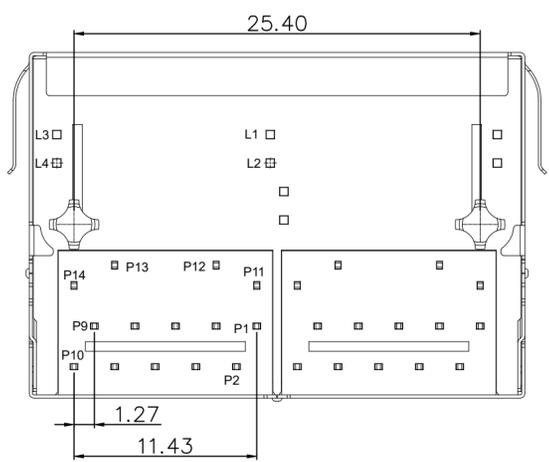
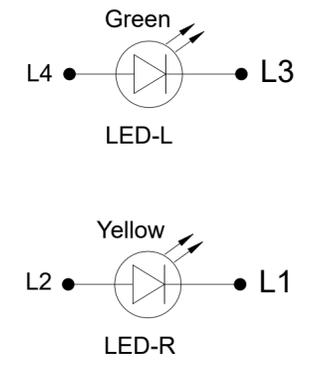
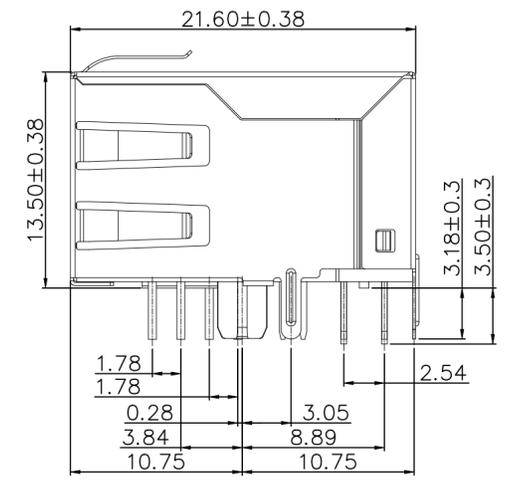
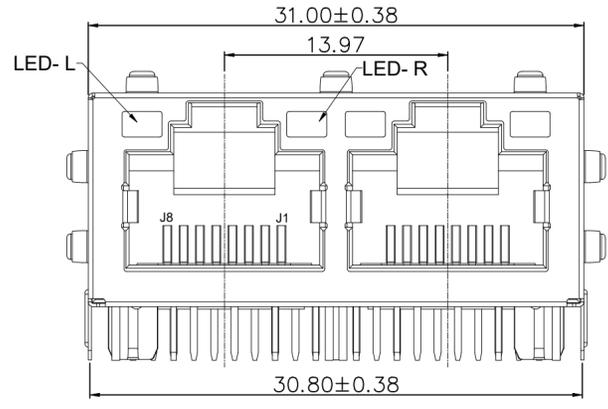


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-336663	13AUG2025	TR	RK



Recommended PCB Layout  
Top View(T=1.60mm, Tol:±0.05)

- NOTE:**
- MATERIAL:**
    - HOUSING: HIGH TEMPERATURE UL94V-0 BLACK
    - INSULATOR: HIGH TEMPERATURE UL94V-0 BLACK
    - CONTACT: PHOSPHOR BRONZE
    - SHELL: COPPER ALLOY
  - FINISH:**
    - TERMINAL: CONTACT AREA PLATING GOLD 6u"
    - SHELL: PLATING Ni OVERALL



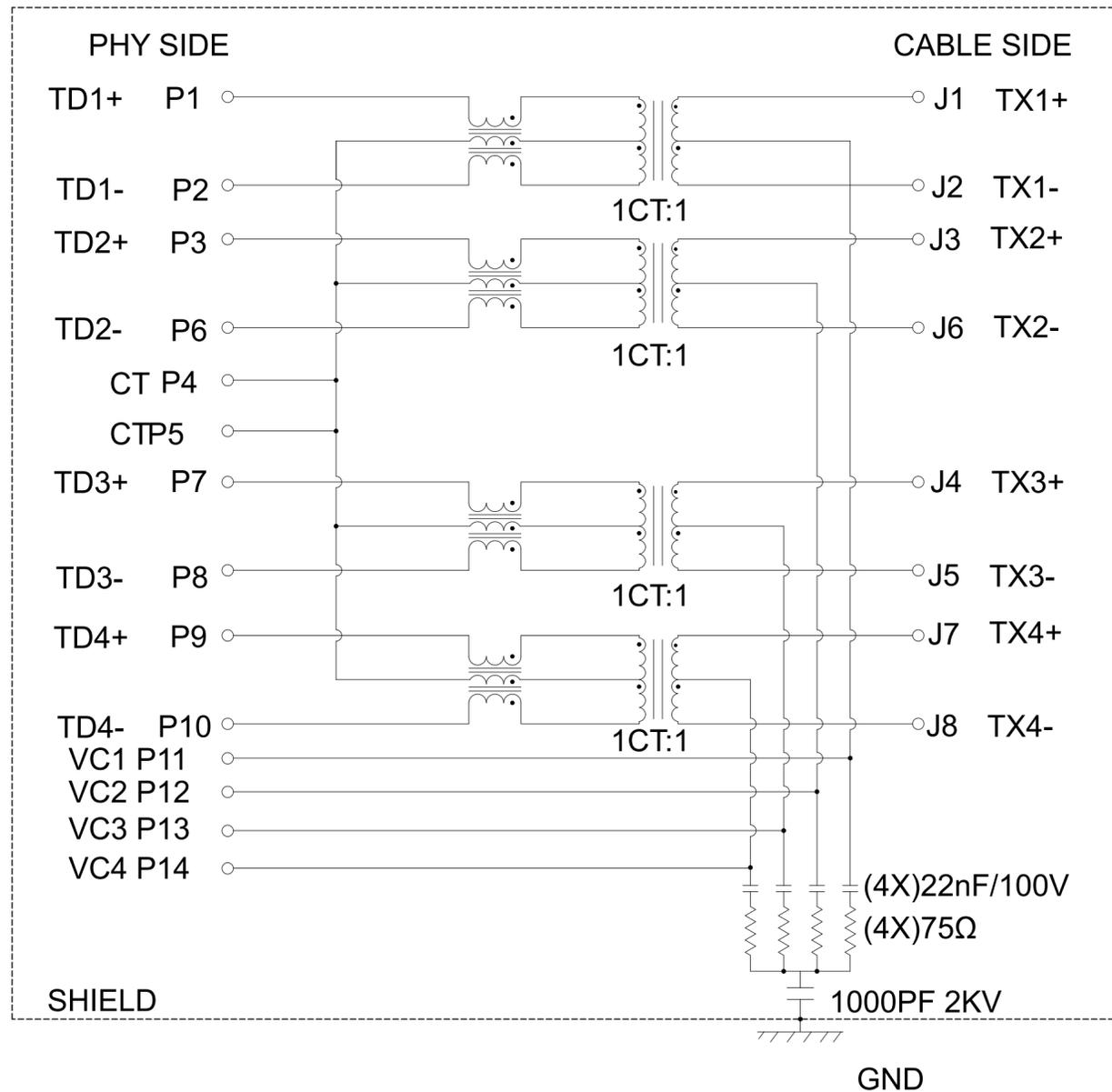
Recommended Panel Cutout

**2497290-1**  
**PART NUMBER**

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 28FEB2025	TE Connectivity Ltd.	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 28FEB2025	RJ45 TAB UP 1x2 TYPE 2.5G+POE W/ LED&SHELL	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28FEB2025	NAME	
0 PLC ± -	1 PLC ± 0.38	PRODUCT SPEC	108-161860	
2 PLC ± 0.25	3 PLC ± 0.13	APPLICATION SPEC	114-161364	
4 PLC ± -	ANGLES ± 2.5°	WEIGHT	SIZE	CAGE CODE
MATERIAL	FINISH	-	A2	00779
CUSTOMER DRAWING		SCALE	DRAWING NO	RESTRICTED TO
		1:1	C=2497290	-
		SHEET	1 of 2	REV
				A

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

### SCHEMATICS



### SPECIFICATIONS:

- 1.2.5G BASE-T Ethernet Application;
- 2.Meets IEEE 802.3 & ANSI X 3.263 Standards;
- 3.EU Rohs/ELV and GP Compliant,
- 4.Reflow Soldering Temperature:260°C±5°C 10s Max;
- 5.Operation Temperature: -40°C to +85°C;  
Storage Temperature: -40°C to +85°C;
- 6.Contact Resistance: 30mΩ Max.;
- 7.Insertion Force With The Latch Depressed: 30N Max.;;  
Removal Force With The Latch Depressed: 30N Max.;;  
Durability: 750 Cycles;
- 8.Transmitter Filter & Receiver Filter:  
Insertion Loss:1~50MHz -0.5dB Max.;;  
50~125MHz -1.0dB Max.;;  
Return Loss: 1~40MHz -20dB Min. ;  
40~200MHz -20+15\*log(Freq MHz/40MHz)dB Min. ;
- 9.Comm Mode Rejection: @1~200 MHz -30dB Min.;
- 10.Cross Talk: 1~125 MHz -30dB Min.;;  
125~200 MHz -25dB Min.;
- 11.Inductance: @100 KHz, 0.1V, 8mA DC BIAS, 180uH Min.;
- 12.HiPot Test: Input To Output: 1500Vrms Min;
- 13.DC current/Voltage rating-PSE pins: 600mA Max@57VDC(Continuous)

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DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 28FEB2025		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28FEB2025	NAME RJ45 TAB UP 1x2 TYPE 2.5G+POE W/ LED&SHELL	
0 PLC ± - 1 PLC ± 0.38 2 PLC ± 0.25 3 PLC ± 0.13 4 PLC ± - ANGLES ± 2.5°		PRODUCT SPEC 108-161860	SIZE A2	CAGE CODE 00779
MATERIAL		APPLICATION SPEC 114-161364	DRAWING NO C=2497290	RESTRICTED TO
FINISH		WEIGHT -	SCALE 1:1	SHEET 2 OF 2
		CUSTOMER DRAWING	REV A	