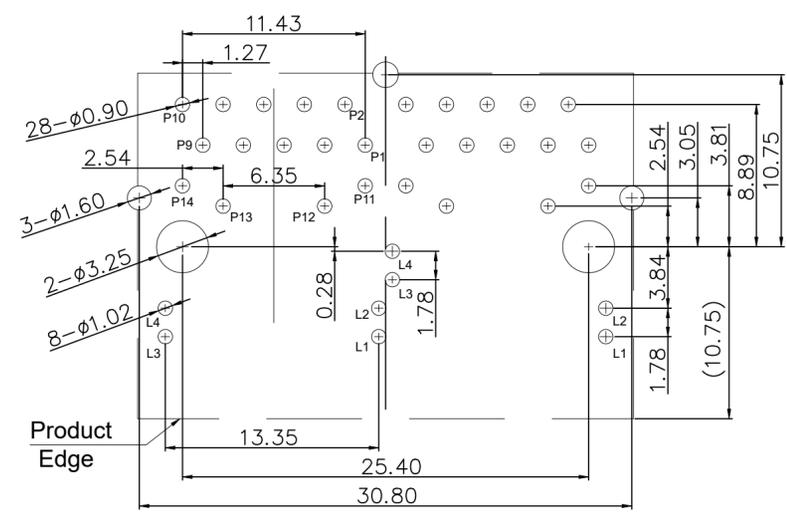
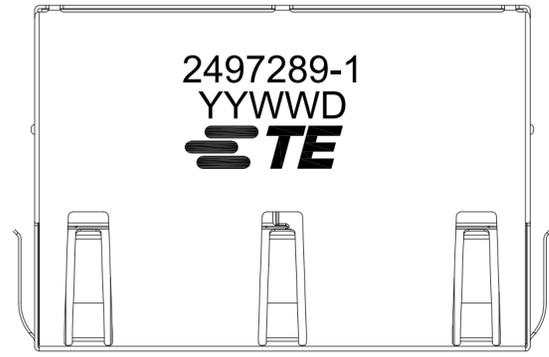


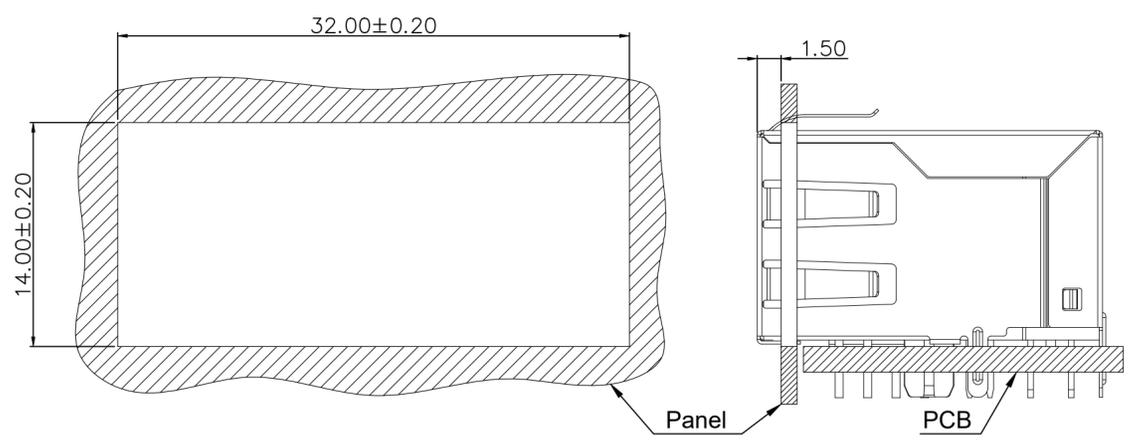
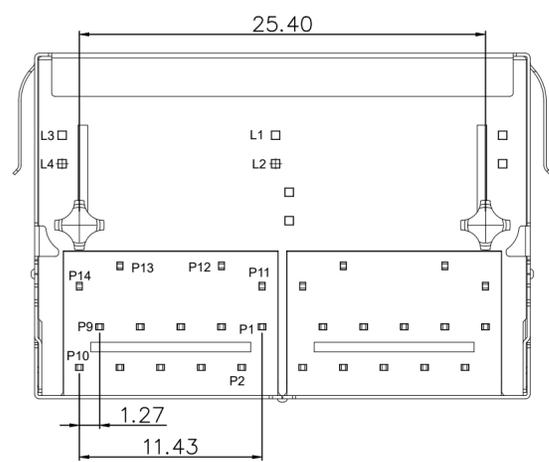
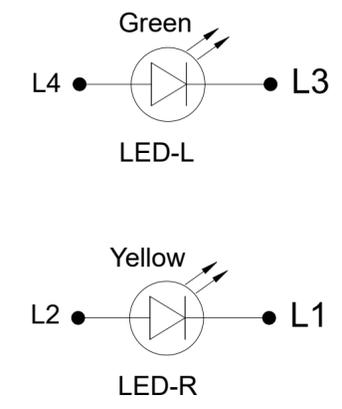
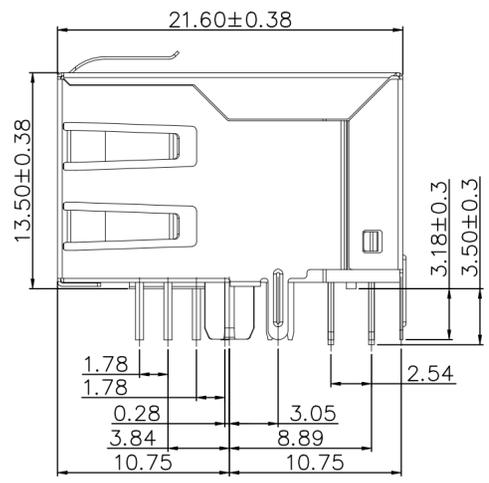
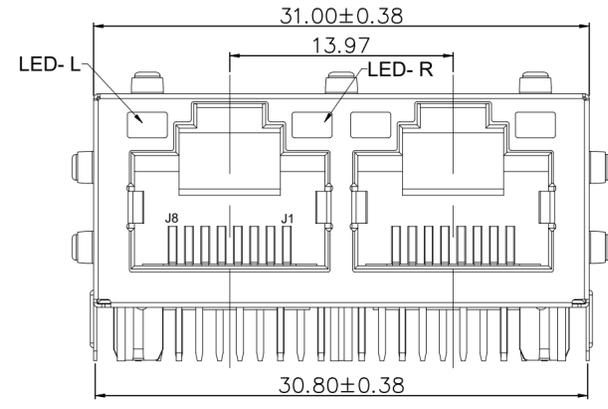
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
A		REVISED PER ECN-25-336663	13AUG2025	TR	RK



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

**NOTE:**

- 1. MATERIAL:
  - 1.1 HOUSING: HIGH TEMPERATURE UL94V-0 BLACK
  - 1.2 INSULATOR: HIGH TEMPERATURE UL94V-0 BLACK
  - 1.3 CONTACT: PHOSPHOR BRONZE
  - 1.4 SHELL: COPPER ALLOY
- 2. FINISH:
  - 2.1 TERMINAL: CONTACT AREA PLATING GOLD 6u"
  - 2.2 SHELL: PLATING Ni OVERALL



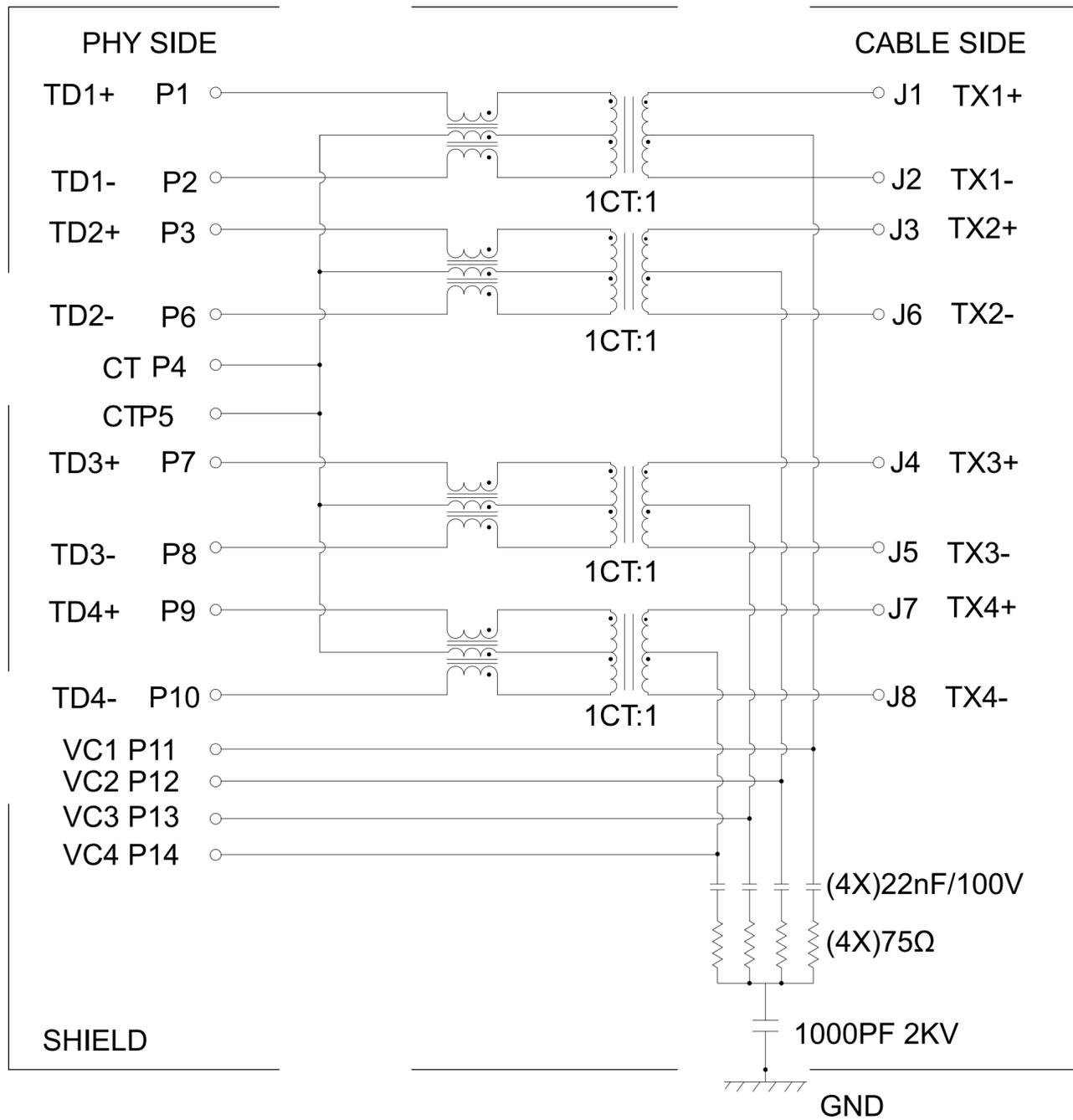
Recommended Panel Cutout

**2497289-1**  
**PART NUMBER**

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 28FEB2025	TE Connectivity Ltd.	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 28FEB2025		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28FEB2025	NAME RJ45 TAB UP 1x2 TYPE 1000M+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 -		FINISH -	DRAWING NO C=2497289	RESTRICTED TO -
		WEIGHT -	SCALE 1:1	SHEET 1 of 2
		CUSTOMER DRAWING	REV A	

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

### SCHEMATICS



### SPECIFICATIONS:

- 100/1000 BASE-T Ethernet Application;
- Meets IEEE 802.3 & ANSI X 3.263 Standards;
- EU Rohs/ELV and GP Compliant,
- Reflow Soldering Temperature: 260°C ± 5°C;
- Operation Temperature: -40°C to +85°C;  
Storage Temperature: -40°C to +85°C;
- Contact Resistance: 30mΩ Max.;
- Insertion Force With The Latch Depressed: 30N Max.;
- Removal Force With The Latch Depressed: 30N Max.;
- Durability: 750 Cycles;
- Transmitter Filter & Receiver Filter:  
Insertion Loss: 1~100MHz -1.0dB Max.;
- Return Loss: 1~30MHz -18dB Min. ;  
30~60MHz -16dB Min. ;  
60~80MHz -12dB Min. ;  
80~100MHz -10dB Min. ;
- Comm Mode Rejection: @1~100 MHz -30dB Min.;
- Cross Talk: @1~100 MHz -30dB Min.;
- Inductance: @100 KHz, 0.1V, 8mA DC BIAS, 350uH Min.;
- HiPot Test:  
Input To Output: 1500Vrms Min.;
- DC current/Voltage rating-PSE pins: 600mA Max@57VDC(Continuous)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TARUN, R 28FEB2025	TE Connectivity Ltd.	
DIMENSIONS: mm [INCHES]		CHK RAMESH, KIVADER 28FEB2025		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD RAGHAVAN, CG 28FEB2025	NAME RJ45 TAB UP 1x2 TYPE 1000M+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	RESTRICTED TO	
MATERIAL		APPLICATION SPEC 114-161364	SIZE A2	CAGE CODE 00779
FINISH		WEIGHT -	DRAWING NO C=2497289	
		CUSTOMER DRAWING		SCALE 1:1
		SHEET 2 OF 2		REV A

2497289