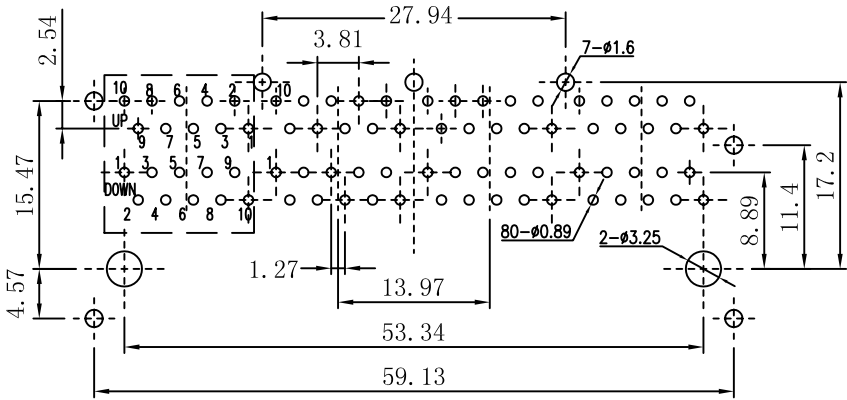
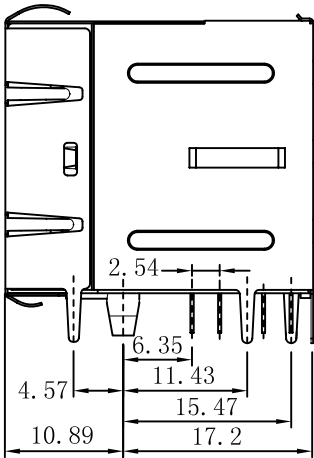
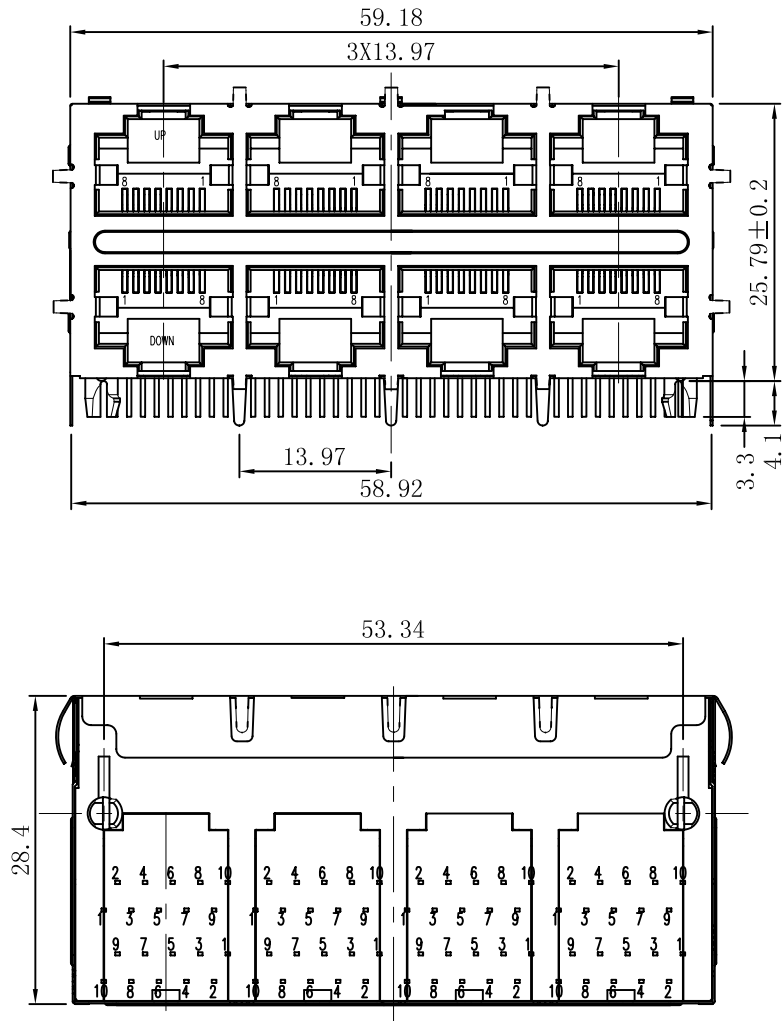


Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		05/01/2009	



SUGGESTED PCB LAYOUT (TOP VIEW)

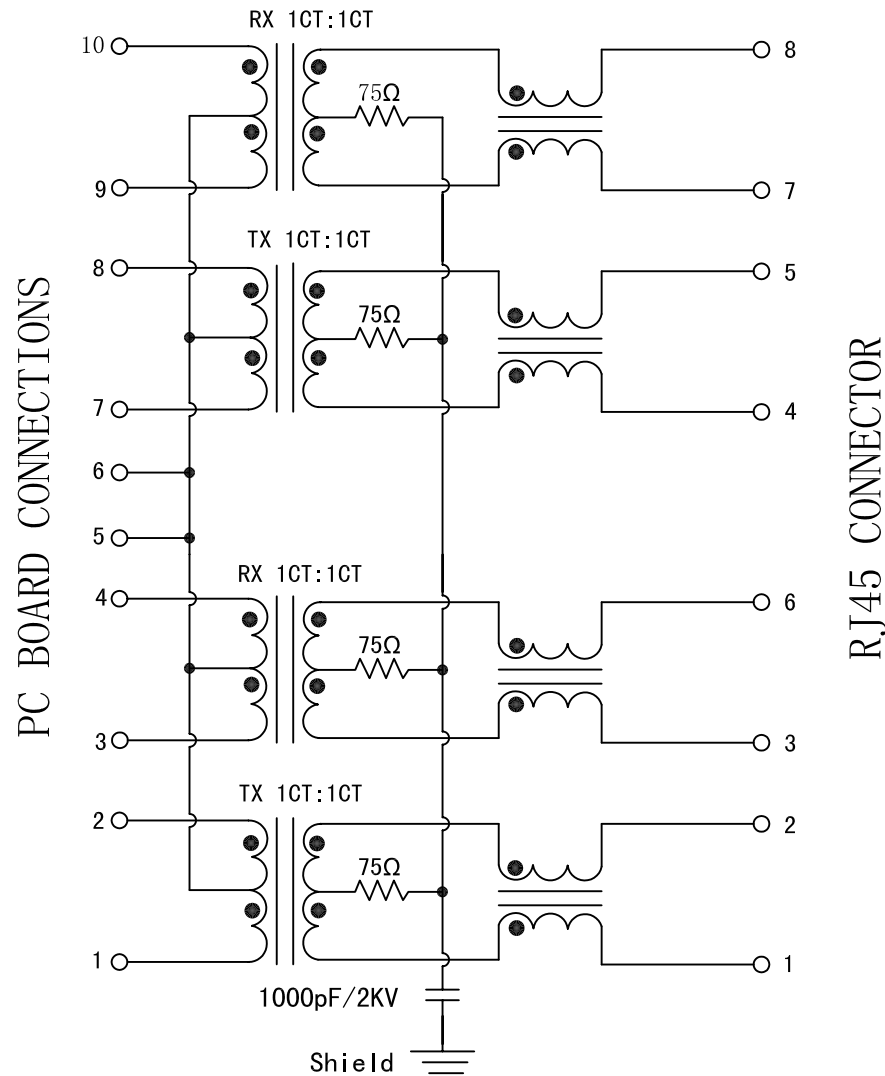
- NOTES:1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.



X:X	±0.20	APPD:	Trxcom	
X:XX	±0.10	CHKD:	ShenZhen Trxcom Electronics Co., ltd	
X:XXX	±0.05	DR: C. H. Y	Title: RJ45 .Transformer. 1000 Base-T W/LED. 2×4	
ANGLES	±1°	UNIT: mm	PART NO. : TRJG47801CNL	
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO. : TRC09010501	

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		05/01/2009	



Electrical Specifications @25°C:

- Turns Ratio ($\pm 2\%$) :
TX=1CT:1CT RX=1CT:1CT
- 0CL:
350uH Min @100KHz/0.1V With 8mA DC Bias
- Return Loss(dB MIN) :
1-30MHz:-18 30-60MHz:-16
60-80MHz:-12 80-100MHz:-10
- Crosstalk(dB MIN) :
1-30MHz:-40 30-60MHz:-35
60-100MHz:-30
- Insertion Loss:
1-100MHz:-1.0dB MAX
- CMR(dB MIN) :
1-50MHz:-40 50-150MHz:-30
- HI-POT:1500Vrms
- Operating Temperature: 0°C~+70°C.
- Wave Solder tip temperature: 260 MAX
Wave Solder tip temperature time: 5 sec MAX



X:X	± 0.20	APPD:	Trxcom	
X:XX	± 0.10	CHKD:	ShenZhen Trxcom Electronics Co.,ltd	
X:XXX	± 0.05	DR: C. H. Y	Title: RJ45 .Transformer. 1000 Base-T W/LED. 2×4	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : TRJG47801CNL	
SCALE: 2/1		SHEET: 2/2	REV: A	DWG NO. : TRC09010501