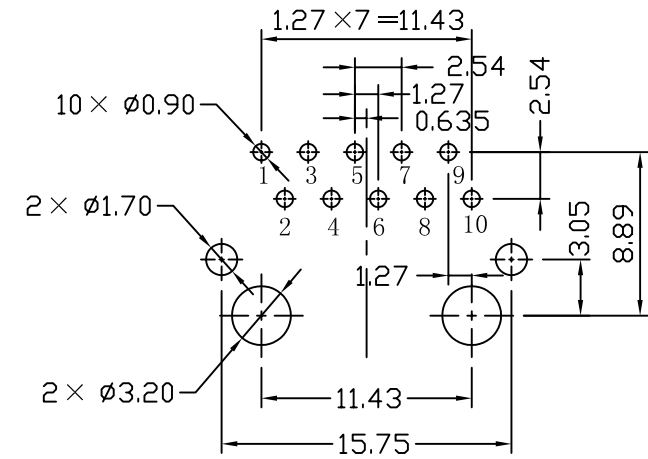
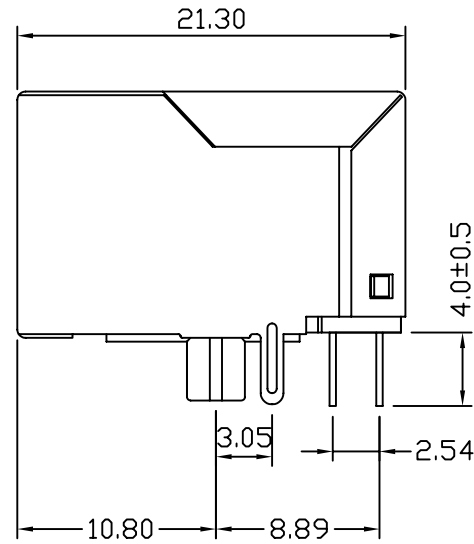
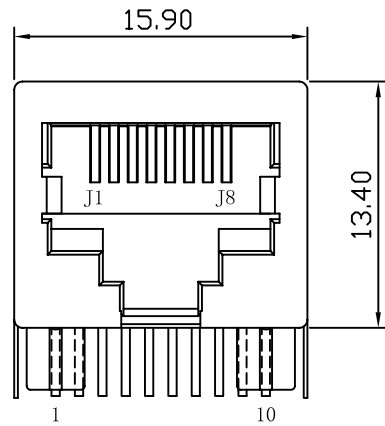
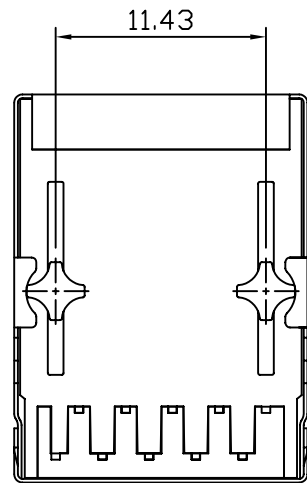


Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/11/26	



SUGGESTED PCB LAYOUT(TOP VIEW)



NOTES:

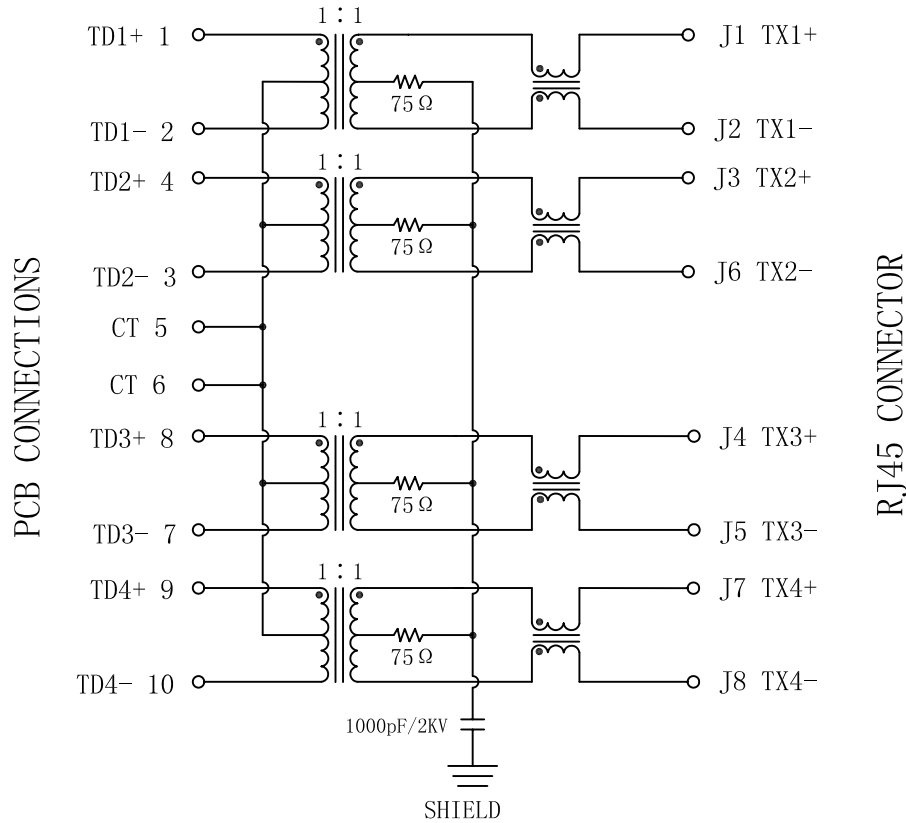
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
 Housing: Thermoplastic UL94V-0
 Contact/Shield: Copper alloy
 Shield plating: Nickel
 Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max
 Wave solder tip temperature time: 5 Sec Max
5. UL Certification: File Number E321120



X:X	±0.30	APPD:	Trxcom	
X:XX	±0.20	CHKD:	ShenZhen Trxcom Electronics Co., ltd	
X:XXX	±0.05	DR: C.H.Y	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.: TRJG0904DNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: TRC12112601

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/11/26	



Electrical Specifications @ 25°C

- Turns Ratio ($\pm 5\%$):
TX=1CT : 1CT RX=1CT : 1CT
- INDUCTANCE (@100KHz, 100mV, 8mA DC BIAS):
J1-J2; J3-J6; J4-J5; J7-J8: 350uH min
- Insertion Loss:
1~100MHz: -1.0dB Max
- Return Loss (dB Min. load 100 Ω):
1~30MHz: -16 30~40MHz: -13.5
40~50MHz: -11.5 50~80MHz: -10
- Crosstalk (dB Min):
0.3~30MHz: -40 30~60MHz: -35
60~100MHz: -30
- Common Mode Rejection (dB Min):
1~30MHz: -30 30~60MHz: -25
60~125MHz: -20
- Isolation Voltage: 1500Vrms
- Operating Temperature Range: 0°C ~ 70°C.



X:X	± 0.30	APPD:	Trxcom ShenZhen Trxcom Electronics Co., Ltd	
X:XX	± 0.20	CHKD:		
X:XXX	± 0.05	DR: C.H.Y	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: TRJG0904DNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: TRC12112601