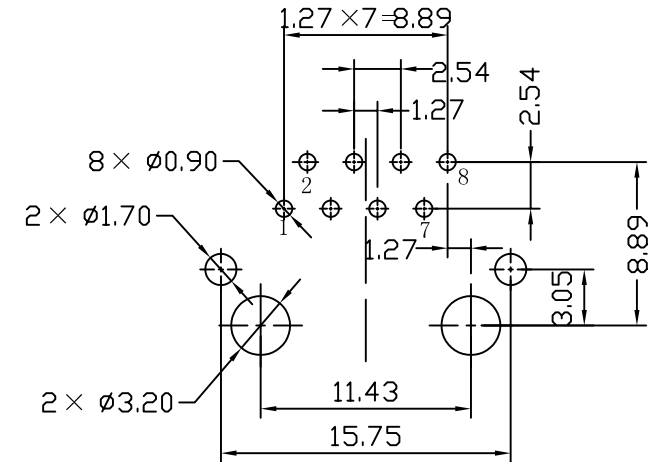
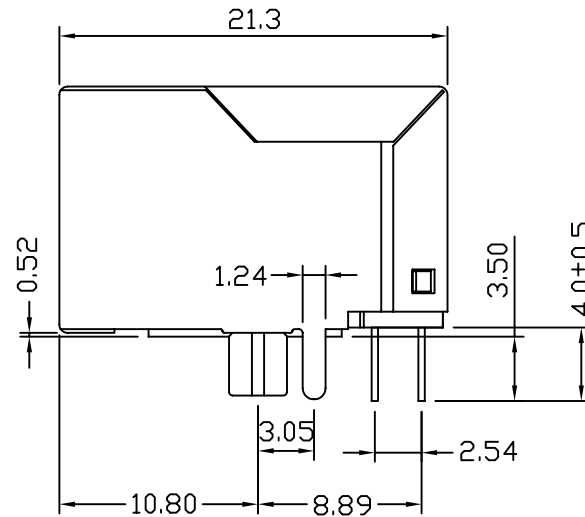
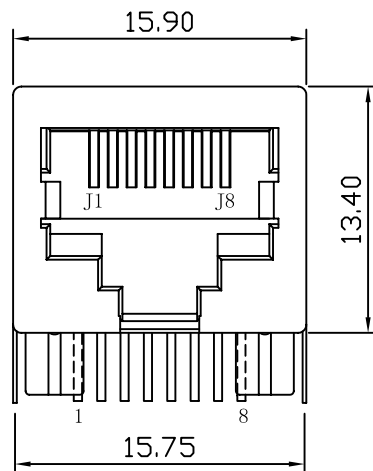
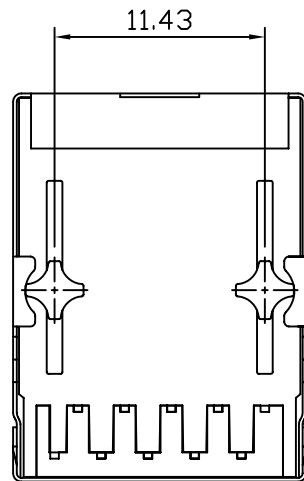


Mechanical:



SUGGESTED PCB LAYOUT (TOP VIEW)



NOTES:

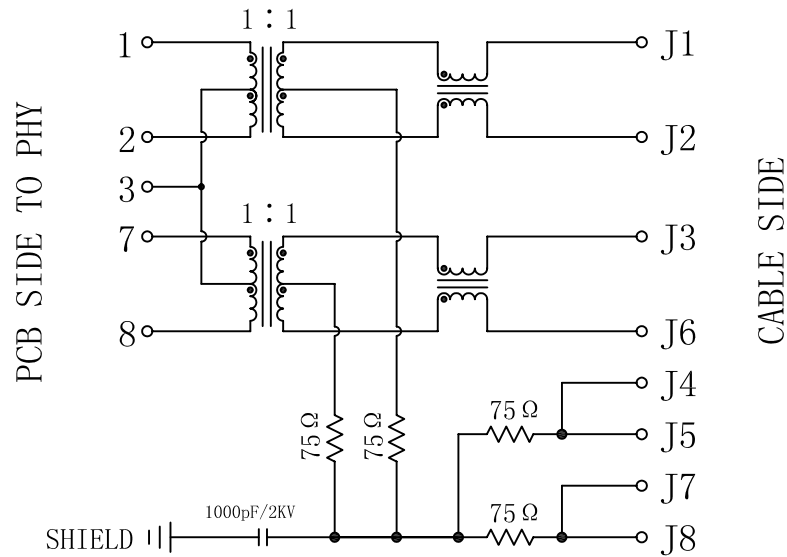
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
Housing: High Temperature Thermoplastic, Black, UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max
Wave solder tip temperature time: 10 +/-1 Sec
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 10/100 Base-TX Integrated Magnetics	
ANGLES ±1°	UNIT: mm	PART NO. : TRJ0013DNL	
	SCALE: 2/1	SHEET: 1/2	REV: A DWG NO. : TRC08090502

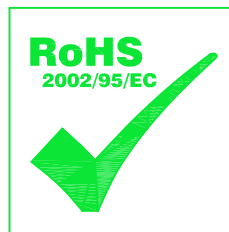
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		05/09/2008	



ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio($\pm 2\%$):
TX=1CT : 1CT RX=1CT : 1CT
- Inductance OCL: 350uH MIN
@100KHz/0.1V, 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @1-100MHz
- Return Loss:
-18dB MIN @1-30MHz
-16dB MIN @30-60MHz
-12dB MIN @60-80MHz
- Cross talk:
-30dB MIN @1-100MHz
- Common Mode Rejection:
-30dB MIN @1-100MHz
- Hipot Test: 1500Vrms MIN
- Operating Temperature Range: 0°C TO 70°C



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 10/100 Base-TX Integrated Magnetics		
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO. : TRJ0013DNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : TRC08090502