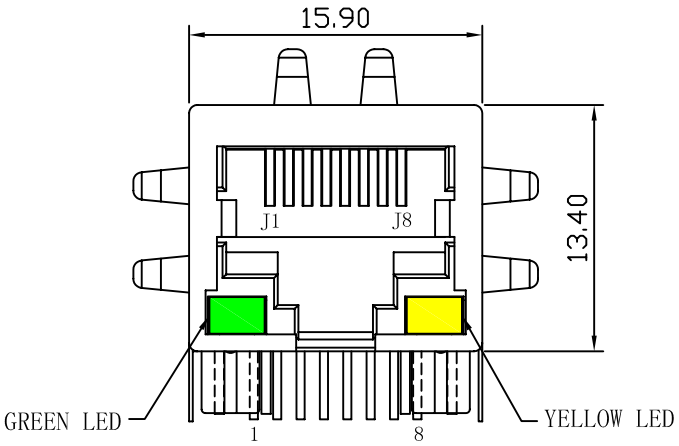
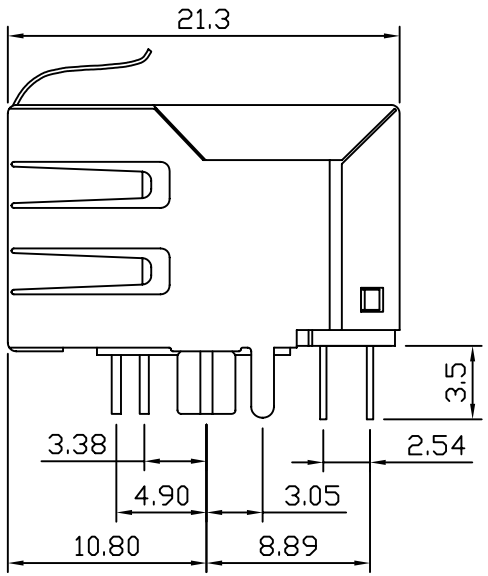
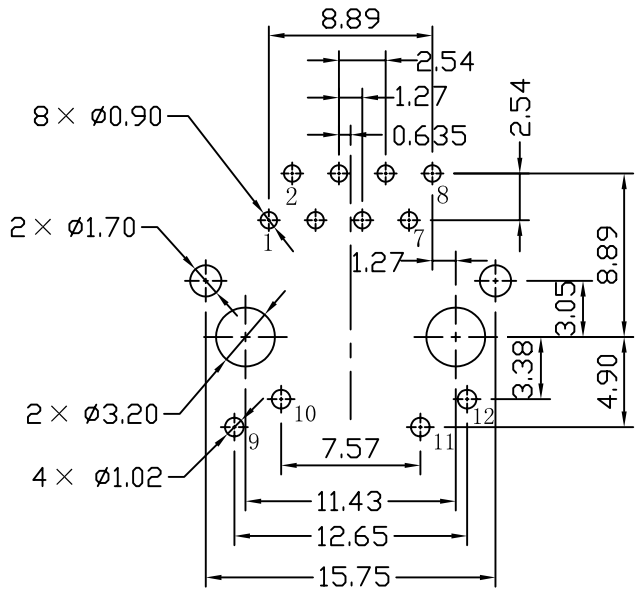
Mechanical:

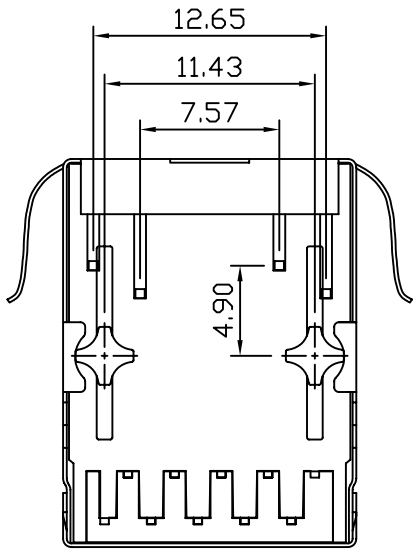
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		14/12/2009	







SUGGESTED PCB LAYOUT(TOP VIEW)



NOTES:

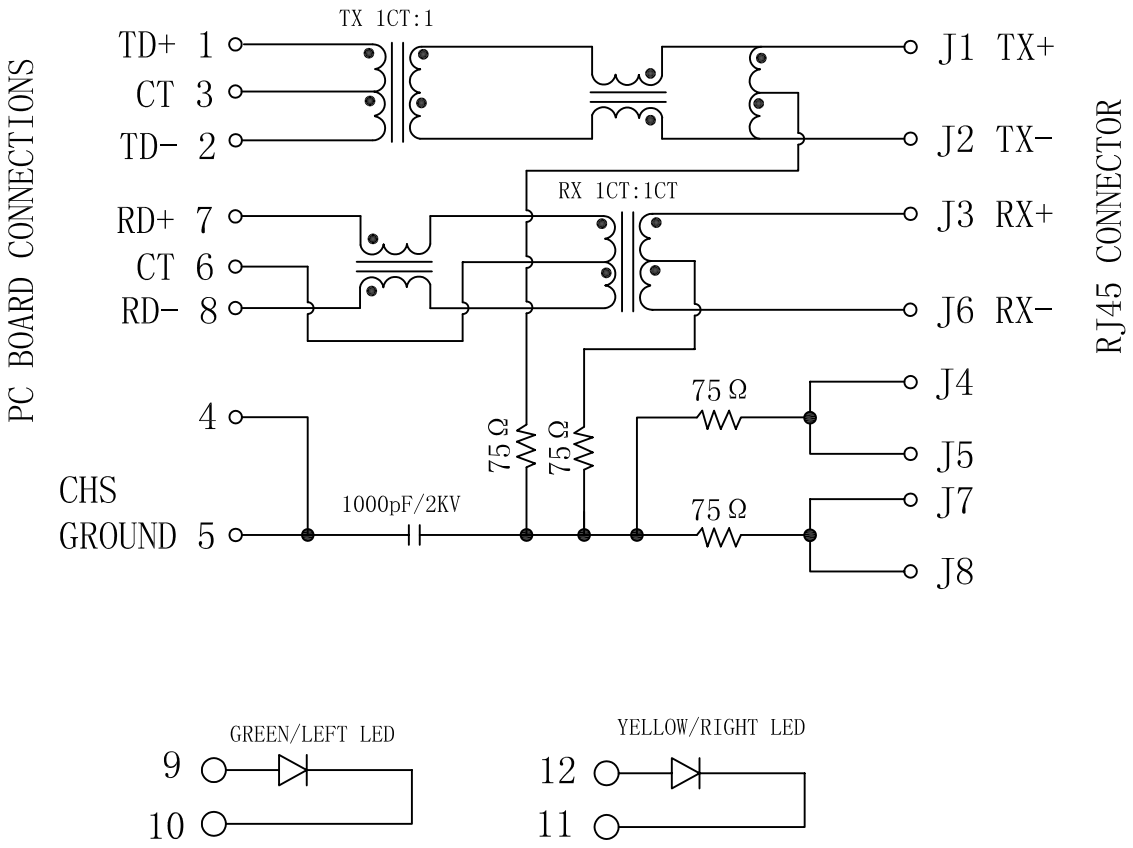
1. Designed to support application, such as SOHO(ADSL modems), LAN-on-Motherboard(LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
   Housing:Thermoplastic UL94V-0
   Contact/Shield: Copper alloy
   Shield plating: Nickel
   Contact plating: Gold 6 micro-inches min. In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

RoHS 2002/95/EC

X:X ±0.25	APPD:	Trxcom ShenZhen Trxcom Electronics Co.,ltd	
X:XX ±0.20	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
X:XXX ±0.05	DR: C.H.Y		
ANGLES ±1°	UNIT: mm	PART NO.: TRJ0026ABNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: TRC09121401

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		14/12/2009	



ELECTRICAL SPECFICATIONS @25℃

1. Turn Ratio(±2%):
   TX=1CT:1 RX=1CT:1CT
2. Inductance OCL: 350uH MIN
   @ 100KHz, 0.1V, 8mA DC Bias
3. Insertion Loss:
   -1.0dB MAX @ 1-65MHz
4. Return Loss:
   -20dB MIN @ 1-10MHz
   -16dB MIN @ 10-30MHz
   -12dB MIN @ 30-60MHz
   -10dB MIN @ 60-100MHz
5. Cross talk:
   -40dB MIN @ 1-30MHz
   -35dB MIN @ 30-60MHz
   -30dB MIN @ 60-100MHz
6. Common Mode Rejection:
   -30dB MIN @ 1-50MHz
   -20dB MIN @ 50-150MHz
7. Hipot Test: 1500Vrms MIN
8. Operating Temperature Range: 0℃ TO 70℃.

RoHS 2002/95/EC

X:X ±0.25	APPD:	Trxcom ShenZhen Trxcom Electronics Co.,ltd	
X:XX ±0.20	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
X:XXX ±0.05	DR: C.H.Y		
ANGLES ±1°	UNIT: mm	PART NO.: TRJ0026ABNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: TRC09121401