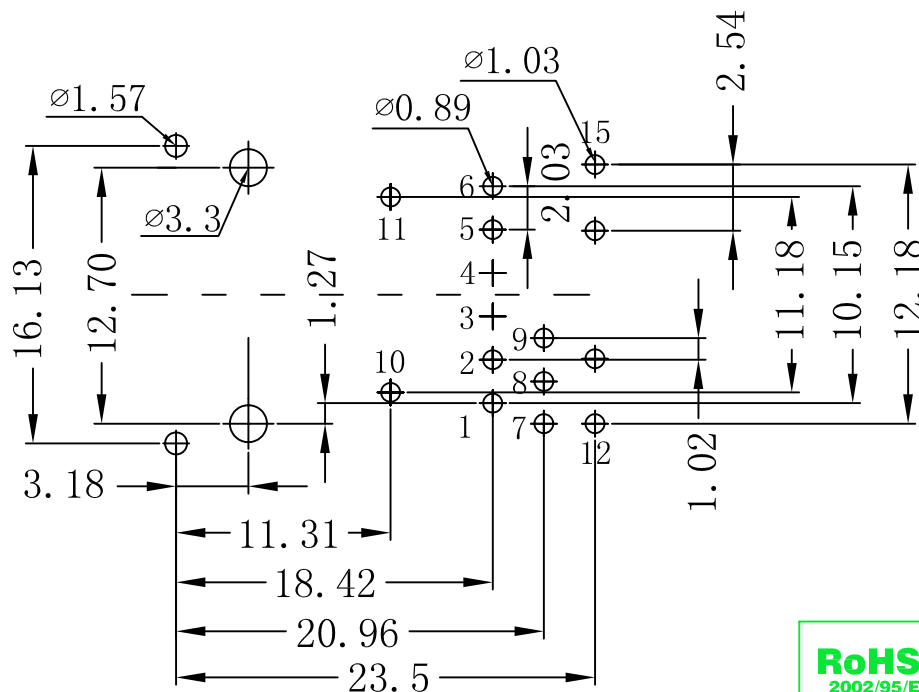
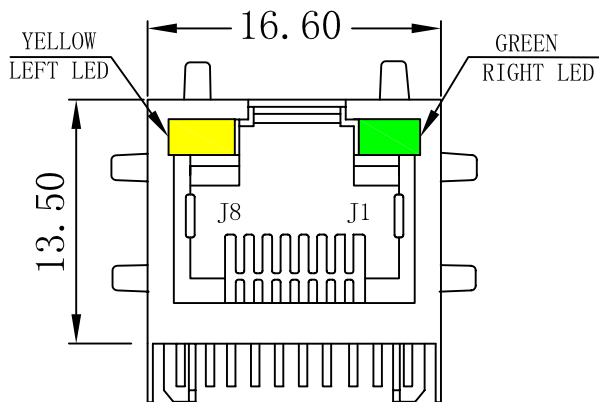
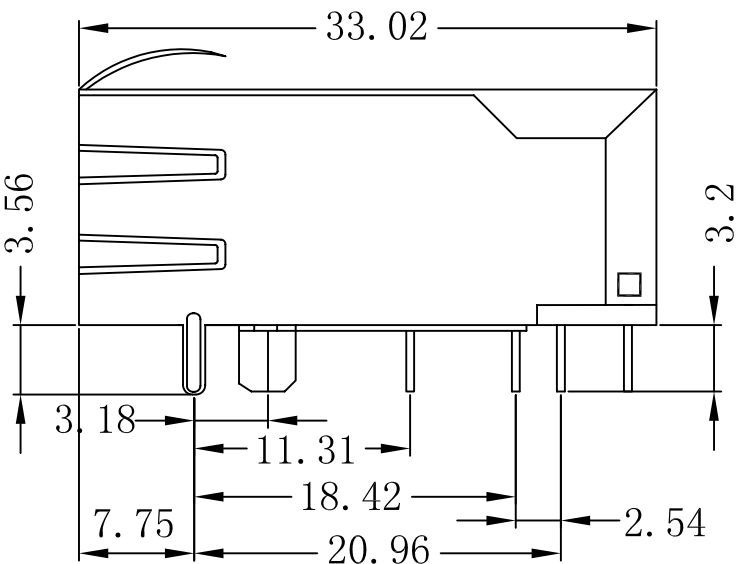


Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/04/26	



SUGGESTED PCB LAYOUT (TOP VIEW)



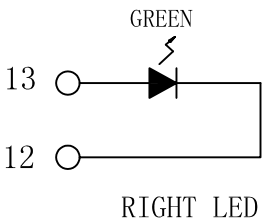
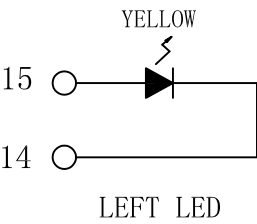
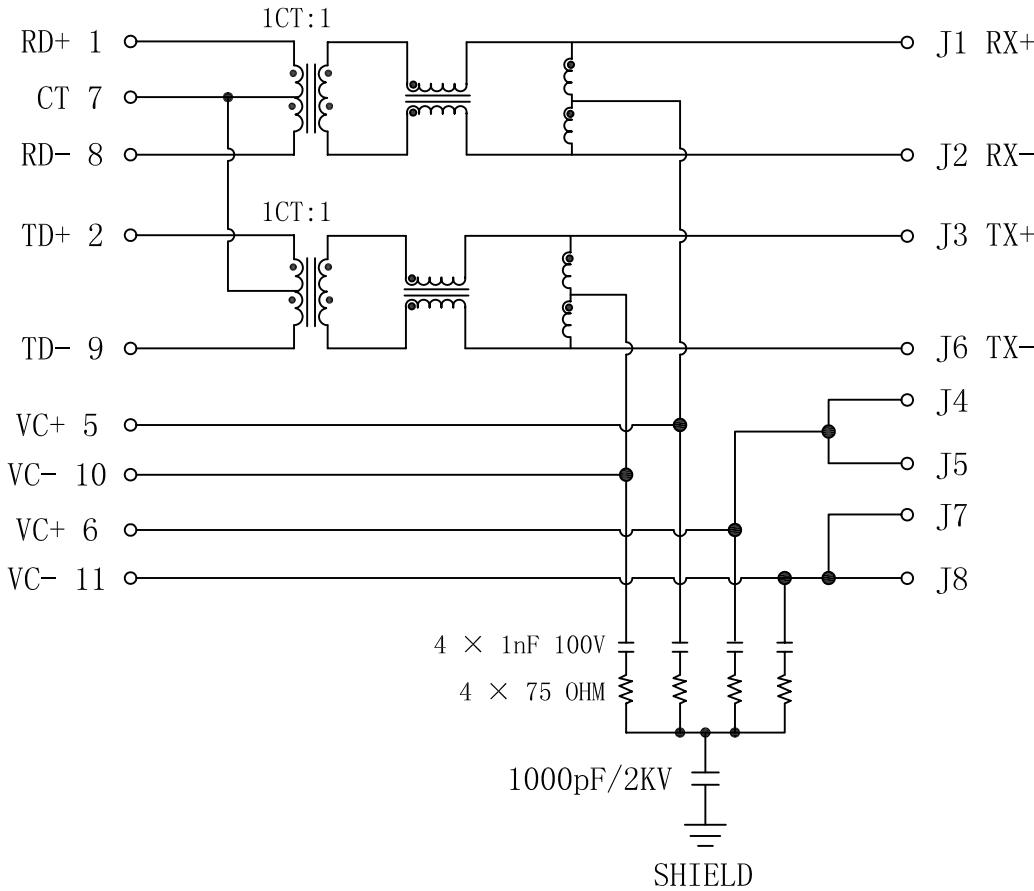
NOTES:

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	± 0.20	APPD:	Trxcom	
X:XX	± 0.10	CHKD:	ShenZhen Trxcom Electronics Co., Ltd	
X:XXX	± 0.05	DR: C. H. Y	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetic & PoE	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: TRJK1013AGNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: TRC10042610

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/04/26	



Electrical Specifications @25°C

- 1.OCL: 350uH min
@100KHz/100mVrms 8mA DC bias.
- 2.Turns Ratio($\pm 2\%$):
TX=1CT:1 RX=1CT:1
- 3.Insertion Loss:
0.1-100MHz:-1.5dB Max
- 4.Return Loss:
2-30MHz:-16 Min
60-80MHz:-10 Min
- 5.Crosstalk:
0.1-100MHz:-30dB Min
- 6.Balanced DC Line Current:
350mA Max @ 57 VDC Continuous
500mA Max @ 57 VDC For 200 Millseconds
- 7.Hipot:1500Vrms
- 8.Operating Temperature: 0°C~70°C.

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 Connector with 10/100 Base-TX Integrated Magnetic & PoE	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: TRJK1013AGNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: TRC10042610