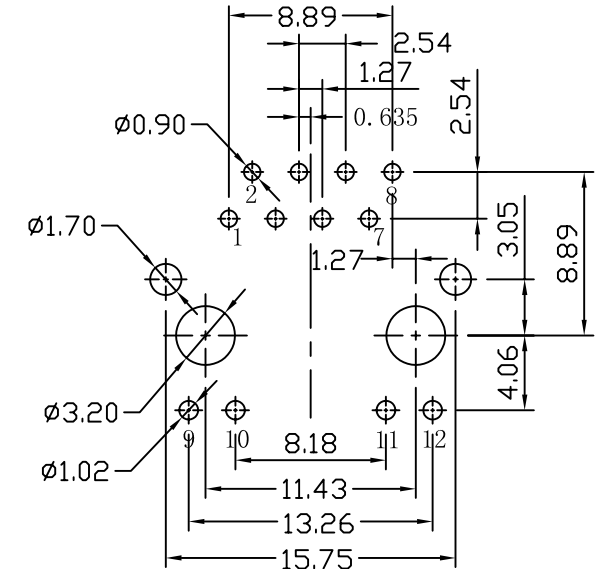
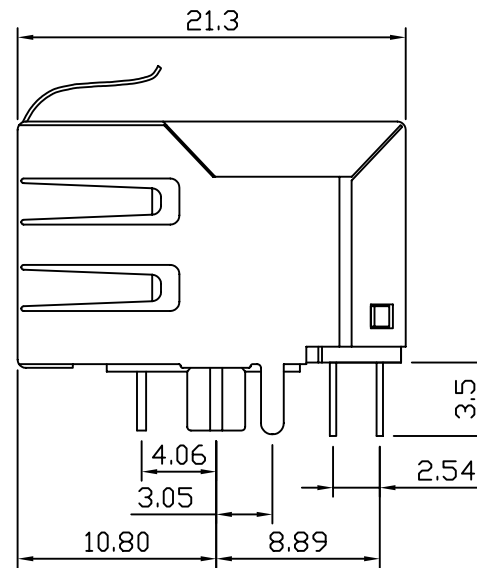
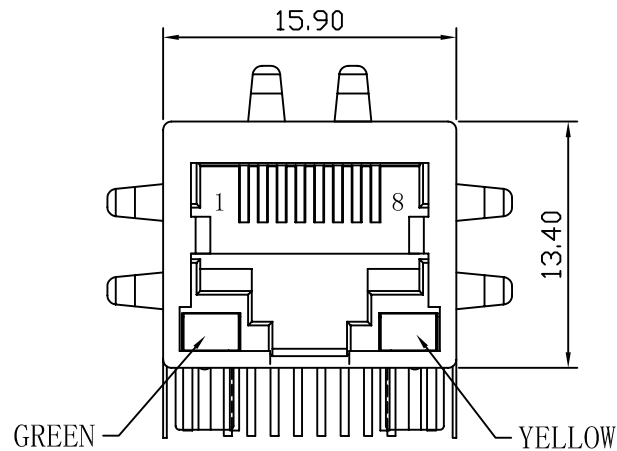


Mechanical:

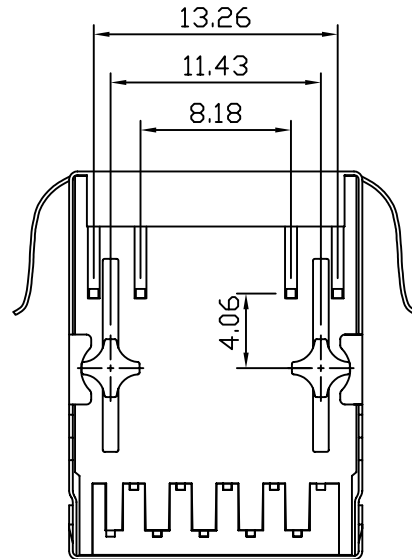
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		11/05/2009	



SUGGESTED PCB LAYOUT (TOP VIEW)

NOTES:

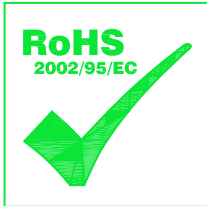
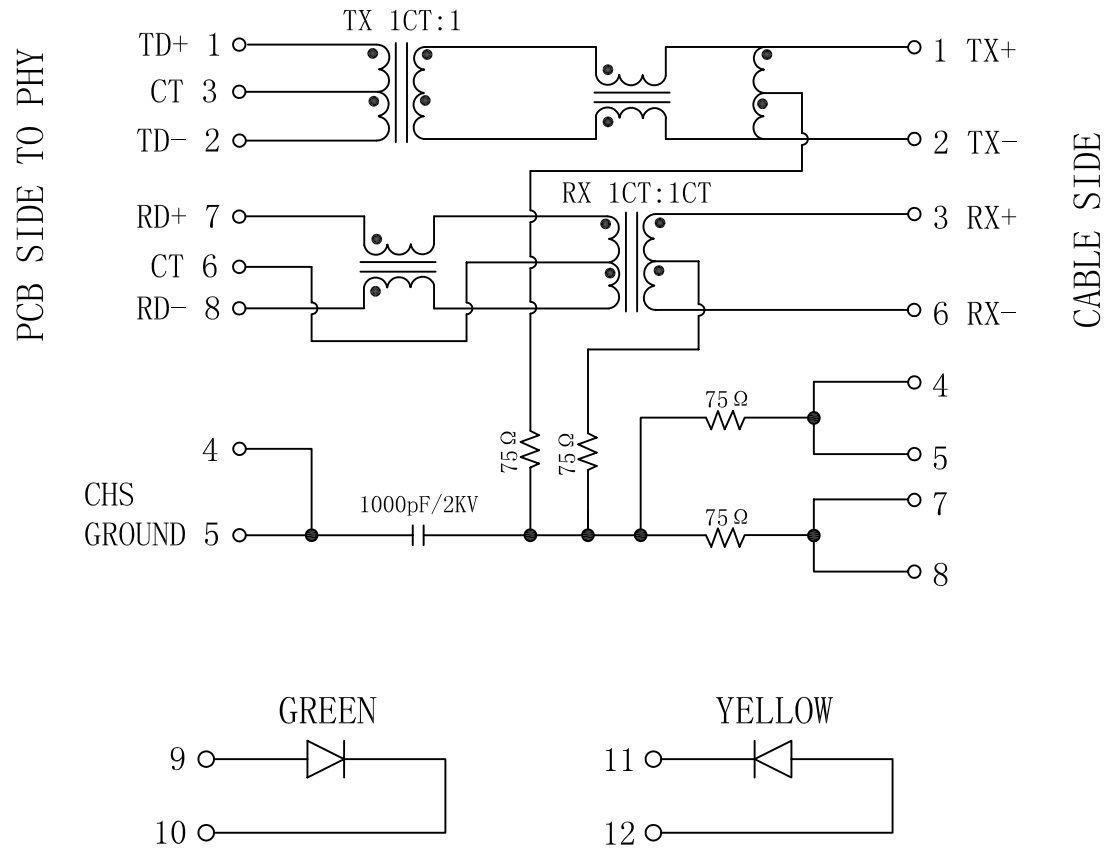
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max
Wave solder time temperature time: 5 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.: TRJ0026GBNL	
		SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO.: TRC09051101		

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		11/05/2009	



ELECTRICAL SPECIFICATIONS @25°C

1. Turn Ratio($\pm 2\%$):
TX=1CT:1 RX=1CT:1CT
2. Inductance OCL:
350uH MIN @ 100KHz/0.1V, 8mA DC Bias
3. Insertion Loss:
-1.0dB MAX @ 1.0-65MHz
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°C TO 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 10/100 Base-TX Integrated Magnetics	
ANGLES ±1°		UNIT: mm		PART NO. : TRJ0026GBNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : TRC09051101	