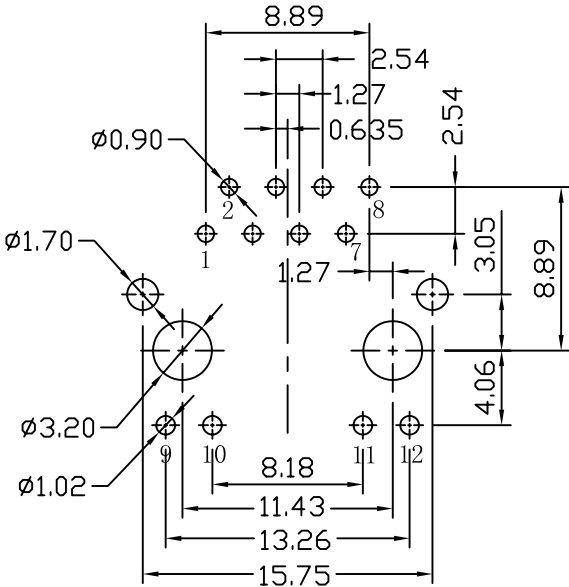
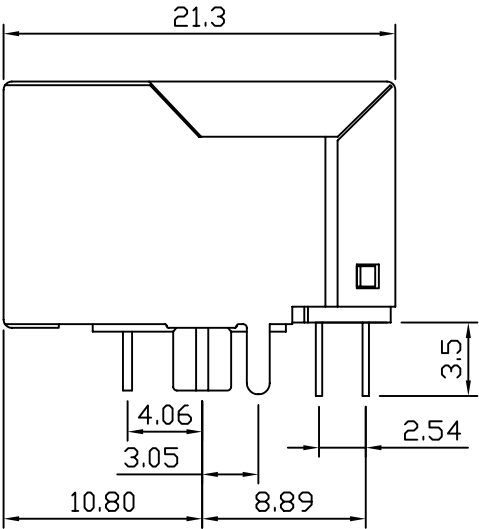
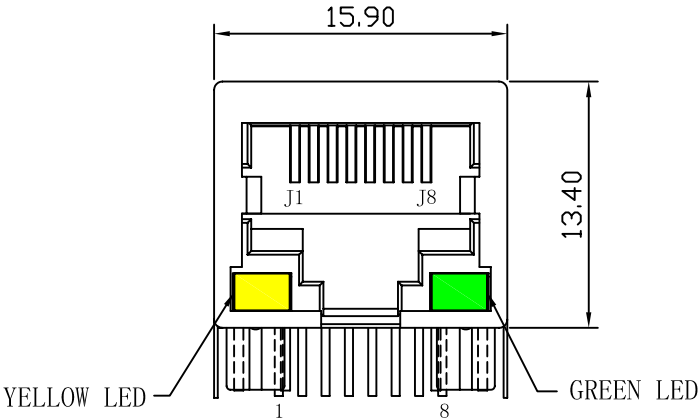
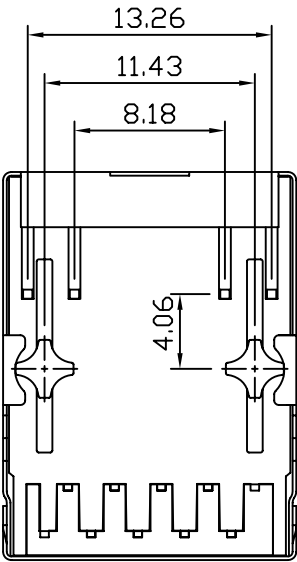


Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/05/11	

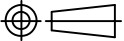


SUGGESTED PCB LAYOUT (TOP VIEW)



- 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



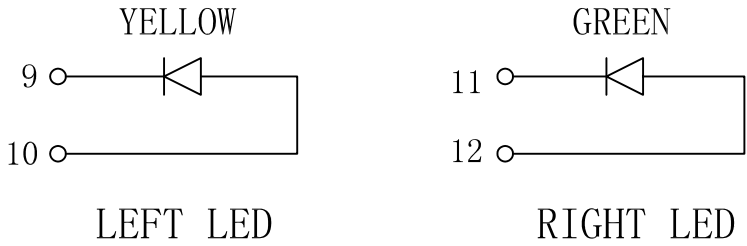
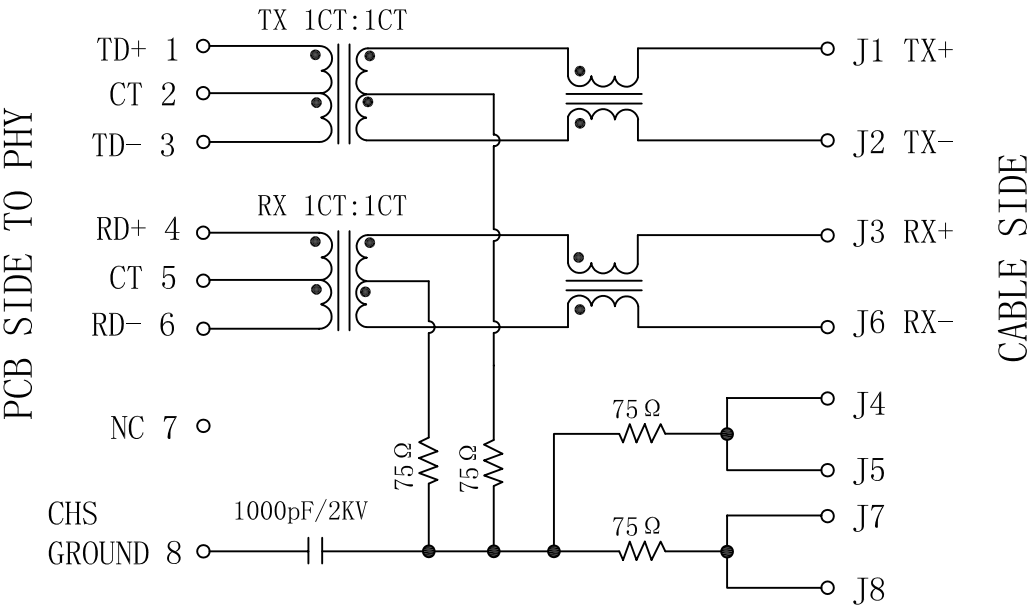
X:X ±0.25	APPD:	Trxcom		
X:XX ±0.20	CHKD:	ShenZhen Trxcom Electronics Co., ltd		
X:XXX ±0.05	DR: C. H. Y	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO. : TRJ0012HGNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : TRC10051108

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/05/11	

ELECTRICAL SPECIFICATIONS @25℃

1. Turn Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
2. Inductance OCL: 350uH MIN
@ 100KHz/0.1V 8mA DC Bias
3. Insertion Loss:
-1.0dB MAX @ 1.0-100MHz
4. Return Loss:
-18dB MIN @ 1-30MHz
-15dB MIN @ 30-60MHz
-12dB MIN @ 60-80MHz
-10dB MIN @ 80-100MHz
5. Cross talk:
-40dB MIN @ 30MHz
-35dB MIN @ 60MHz
-30dB MIN @ 100MHz
6. Common Mode Rejection:
-40dB MIN @ 30MHz
-35dB MIN @ 60MHz
-30dB MIN @ 100MHz
7. Hipot Test:1500Vrms
8. Operating Temperature Range: 0℃ TO 70℃



X:X	±0.25	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-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO. : TRJ0012HGNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : TRC10051108