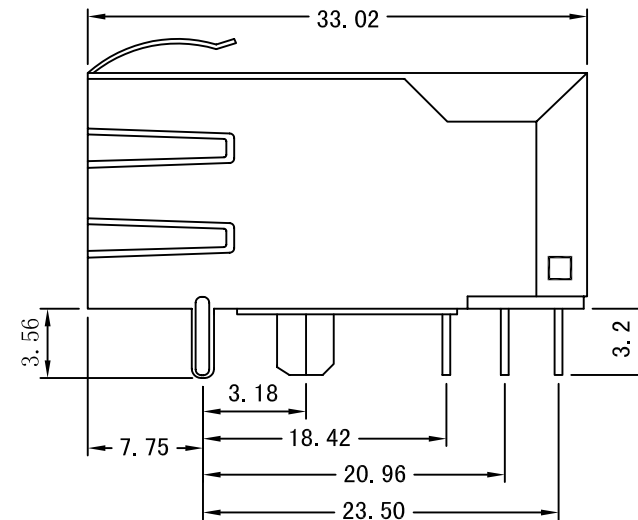
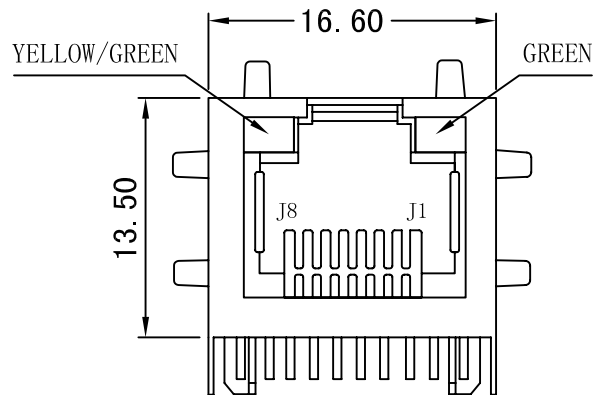


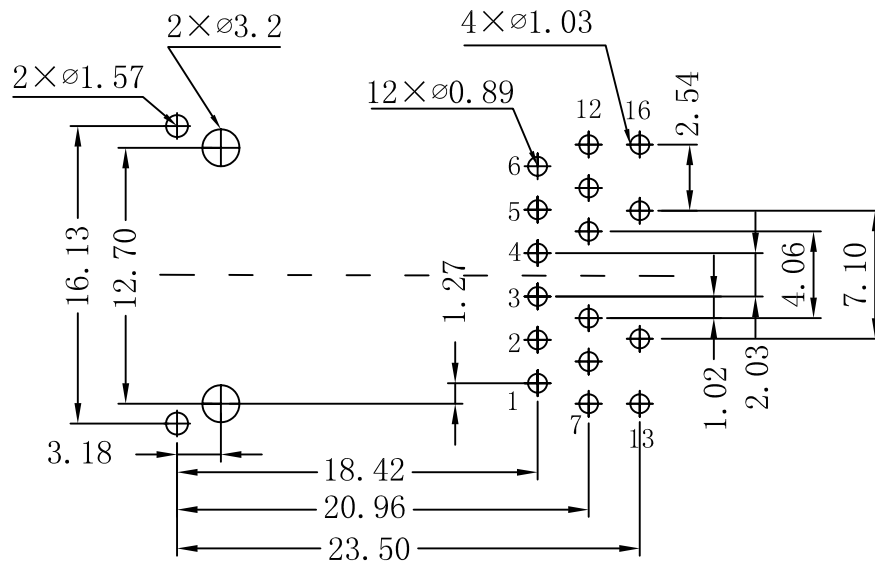
Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		21/11/2009	



NOTES:

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



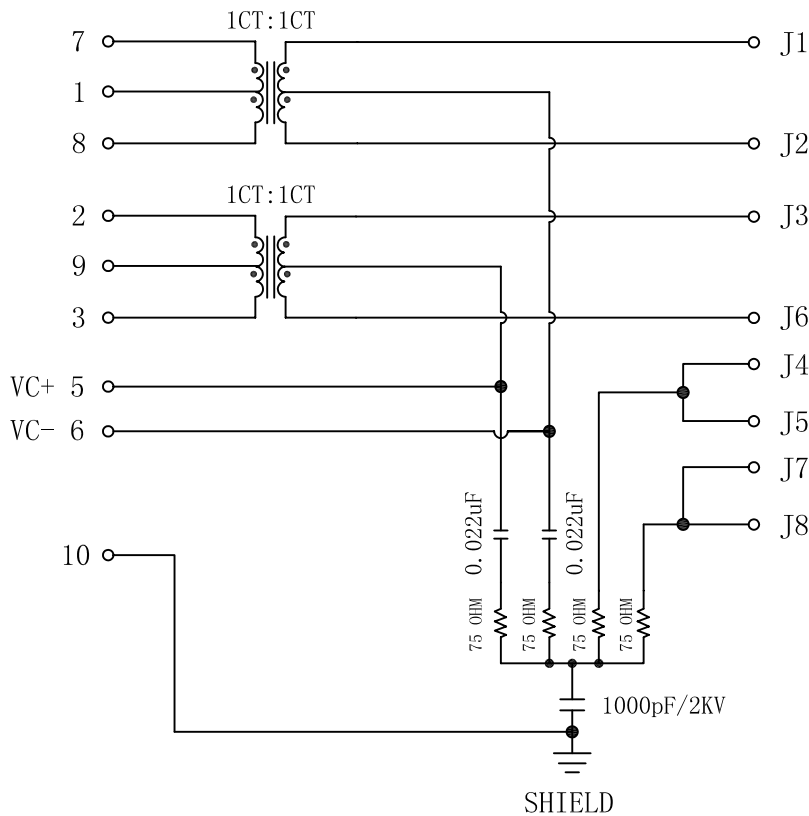
SUGGESTED PCB LAYOUT (TOP VIEW)



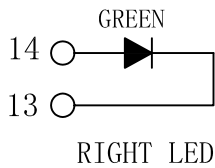
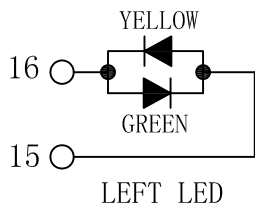
X:X	±0.20	APPD:	<i>Trxcom</i>	
X:XX	±0.10	CHKD:	<i>ShenZhen Trxcom Electronics Co., ltd</i>	
X:XXX	±0.05	DR: C. H. Y	Title: RJ45 Connector with 10/100Base-TX Integrated Magnetic & PoE	
ANGLES	±1°	UNIT: mm	PART NO.: TRJK0025AINL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: TRC09112101

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		21/11/2009	



- Electrical Specifications @25°C
- 350uH min OCL with 8mA bias current.
 - Insertion Loss:
1-100MHz:-1.0dB MAX
 - Return Loss(dB MIN @100 Ω ±15 Ω) :
1-10MHz:-20; 30MHz:-16
60-80MHz:-12
 - Crosstalk(dB MIN) :
1-10MHz:-40; 30-60MHz:-35
65-100MHz:-30
 - Common Mode Rejection(dB MIN) :
1-50MHz:-26; 50-130MHz:-20
 - HI-POT:1500Vrms Min.
 - Operating Temperature:0°C~70°C.



X:X	±0.20	APPD:	<i>Trxcom</i>	
X:XX	±0.10	CHKD:	<i>ShenZhen Trxcom Electronics Co.,ltd</i>	
X:XXX	±0.05	DR: C. H. Y	Title: RJ45 Connector with 10/100Base-TX Integrated Magnetic & PoE	
ANGLES	±1°	UNIT: mm	PART NO. :	TRJK0025AINL
		SCALE: 2/1	SHEET: 2/2	REV: A DWG NO. : TRC09112101