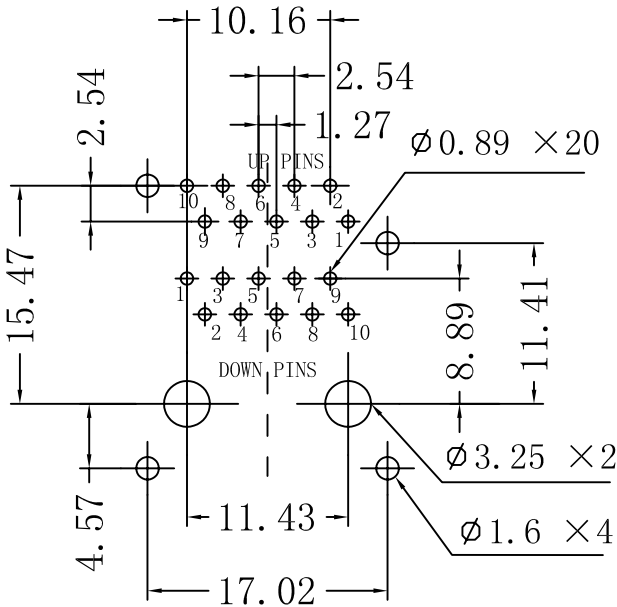
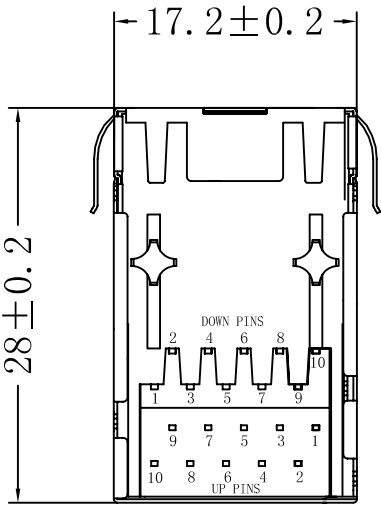
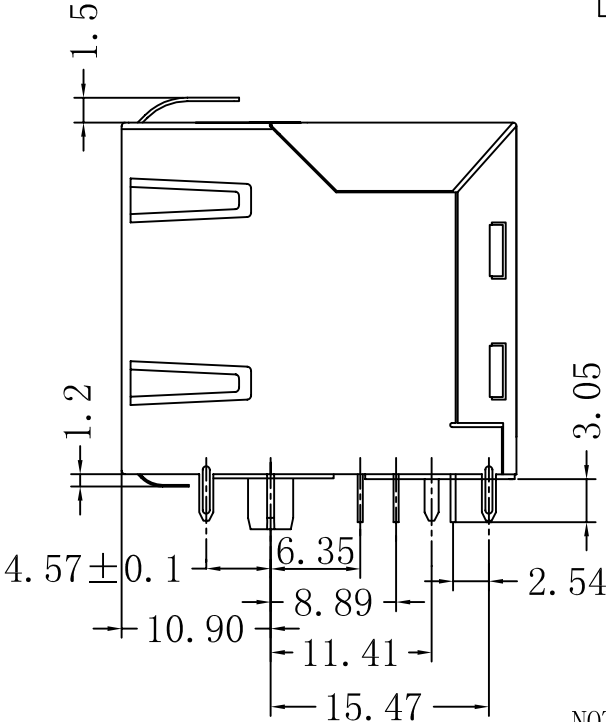
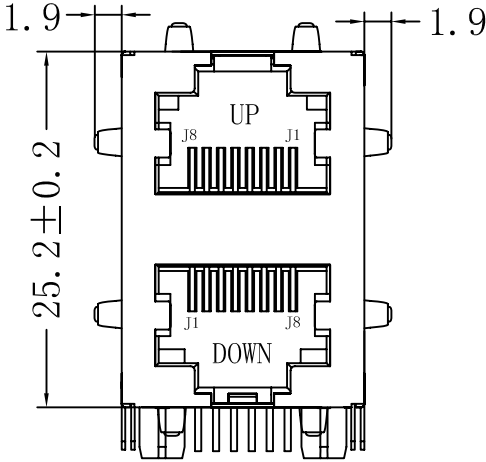


Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/10/19	



SUGGESTED PCB LAYOUT (TOP VIEW)

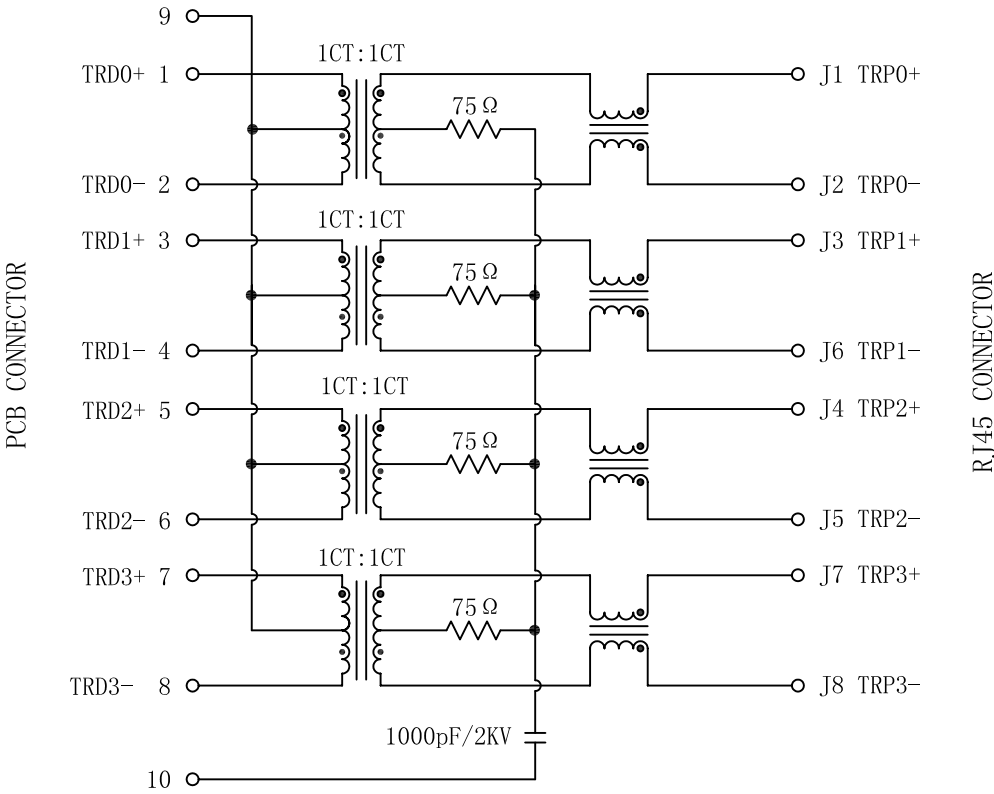
- NOTES:
- 1.Designed to support application,such as SOHO(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
 - 2.Power over Ethernet Plus(PoE+)enabled compatible to IEEE802.3at standard
 - 3.Connector Materials:
Housing:Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact 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 ShenZhen Trxcom Electronics Co.,Ltd	
X:XX	±0.10	CHKD:		
X:XXX	±0.05	DR: Frank	TITLE: 2×1 RJ45 Connector with 1000 Base-TX Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.: TRJG17869CNL	
		SCALE: 2/1	SHEET: 1/2	REV: A DWG NO.: TRC12101901

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/10/19	



ELECTRICAL SPECIFICATIONS@25℃

- 1. Turn Ratio(±2%) :
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: 1500Vrms MIN
- 8. Operating Temperature: 0℃ TO 70℃



X:X	±0.20	APPD:	Trxcom	
X:XX	±0.10	CHKD:		
X:XXX	±0.05	DR: Frank	ShenZhen Trxcom Electronics Co.,Ltd	
ANGLES	±1°	UNIT: mm	TITLE: 2×1 RJ45 Connector with 1000 Base-TX Integrated Magnetics	
			PART NO. :	TRJG17869CNL
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : TRC12101901