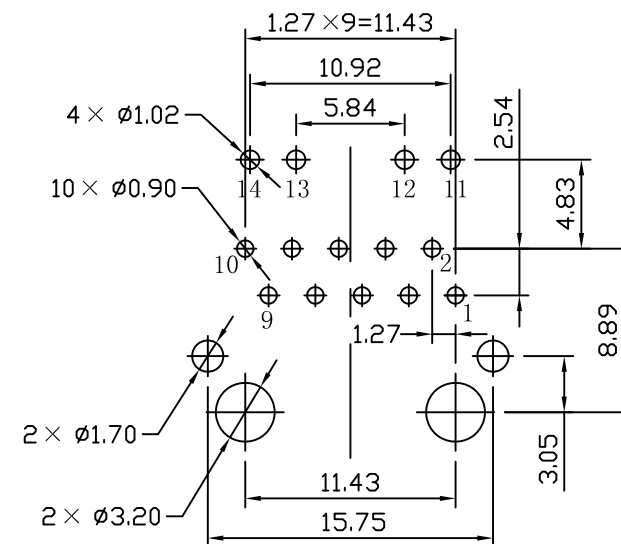
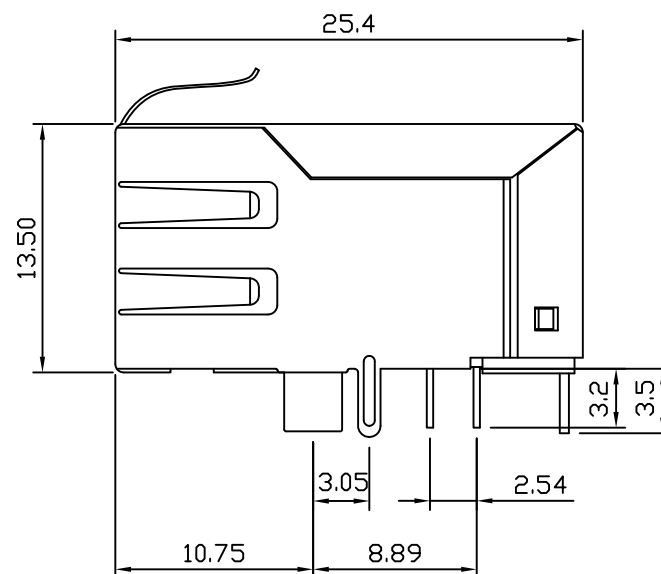
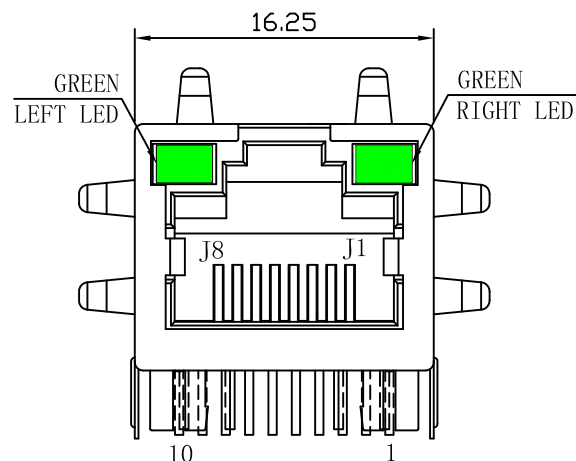
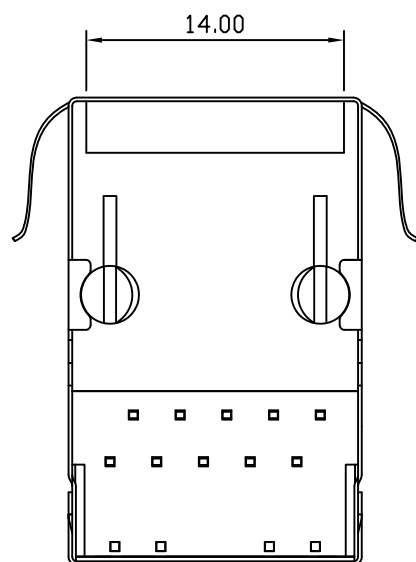


Mechanical:



SUGGESTED PCB LAYOUT (TOP VIEW)

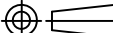


NOTES:

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 PBT+30%G.F UL94V-0
Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
Pins: Brass C2680R-H Thickness=0.35mm
Shield: SUS 201-1/2H Thickness=0.2mm
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

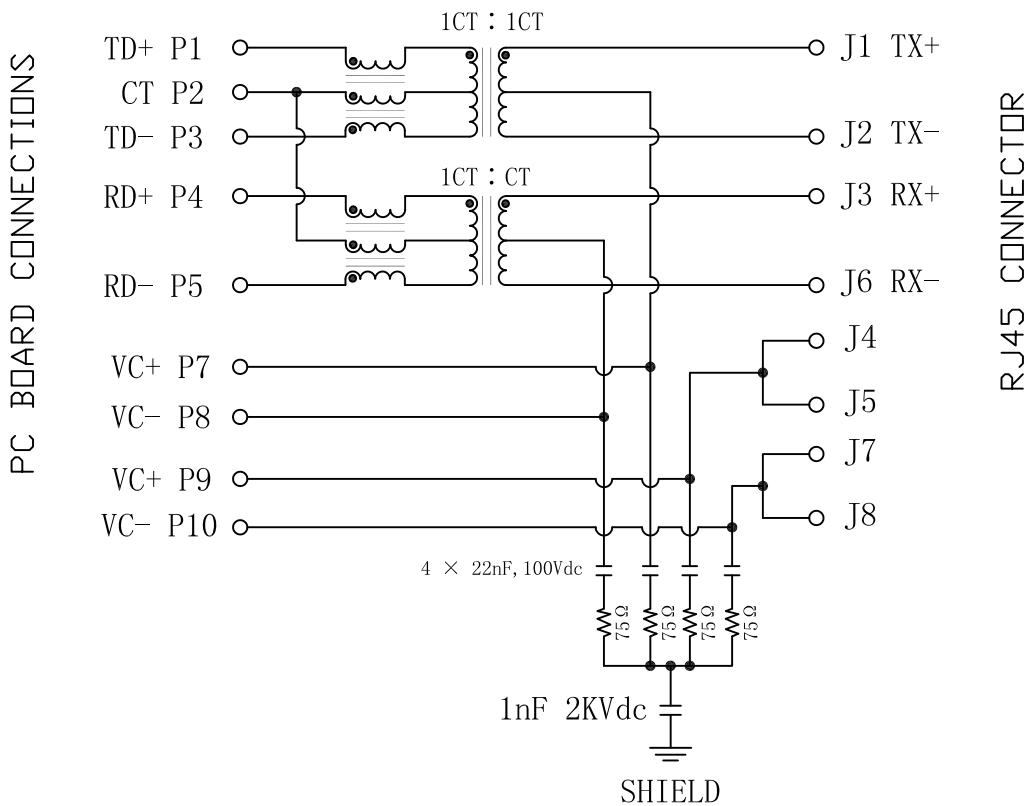
RoHS
2011/65/EU



X:X ±0.30	APPD:	Trxcom ShenZhen Trxcom Electronics Co.,ltd	
X:XX ±0.25	CHKD:		
X:XXX ±0.05	DR: C. H. Y	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application	
ANGLES ±1°	UNIT: mm	PART NO. : TRJ6096AWN	
	SCALE: 2/1	SHEET: 1/2	REV: A DWG NO. : TRC13053011

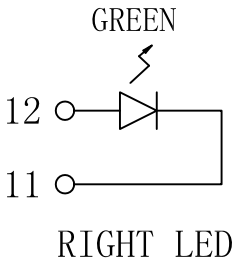
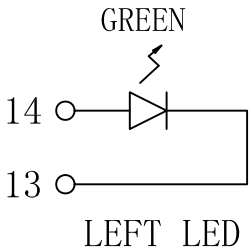
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/05/30	



Electrical Specifications @25℃

1. OCL: 350uH Min
@100KHz 100mV 12mA DC Bias
2. Turns Ratio:
TX=1CT : 1CT ±2%
RX=1CT : 1CT ±2%
3. Insertion Loss:
1-100MHz:-1.5dB Max
4. Return Loss(@100 Ω):
1-30MHz:-16dB Min
60-80MHz:-10dB Min
5. Crosstalk:
1-100MHz:-30dB Min
6. Balanced DC line current:
Used pairs: 700mA Max
Unused pairs: 700mA Max
7. Hipot: 2000Vrms
8. Operating Temperature Range: -40℃~+85℃.



X:X ±0.30	APPD:	Trxcom		
X:XX ±0.25	CHKD:	ShenZhen Trxcom Electronics Co.,ltd		
X:XXX ±0.05	DR: C. H. Y	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application		
ANGLES ±1°	UNIT: mm	PART NO. : TRJ6096AWNl		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : TRC13053011