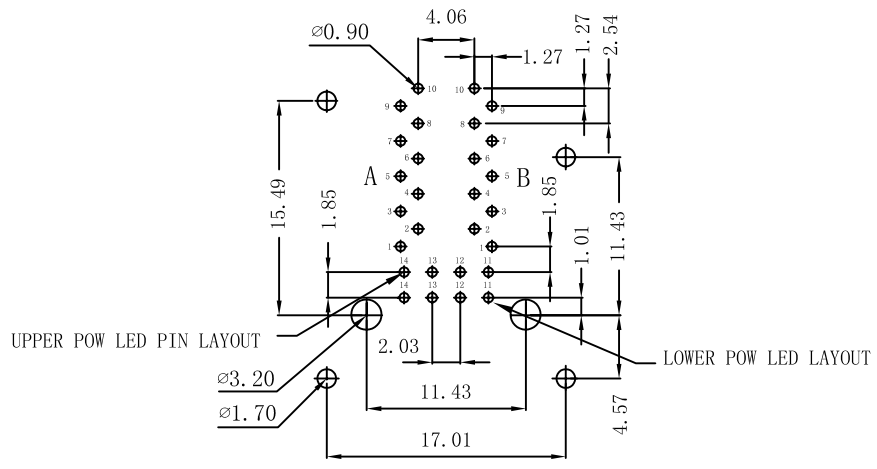
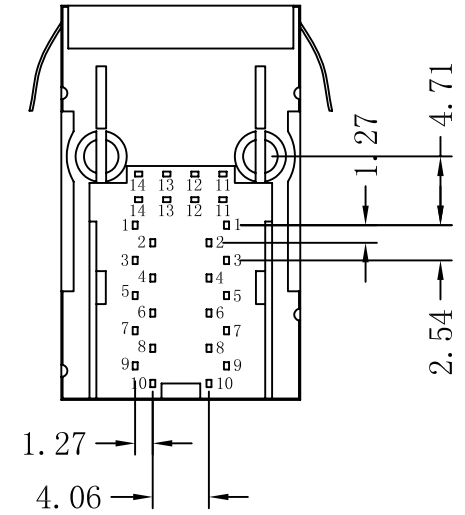
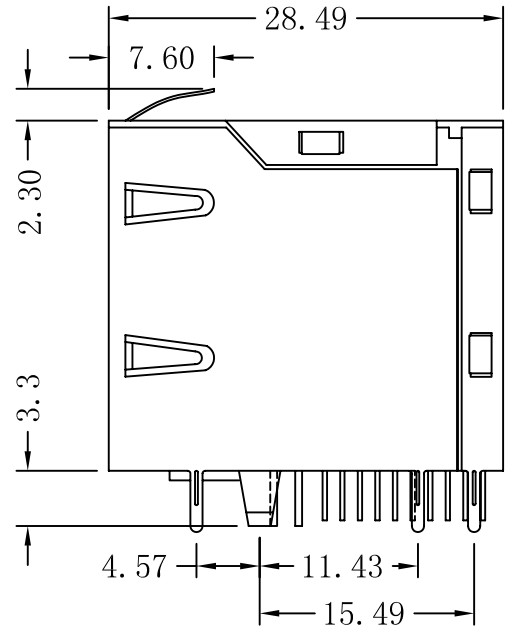
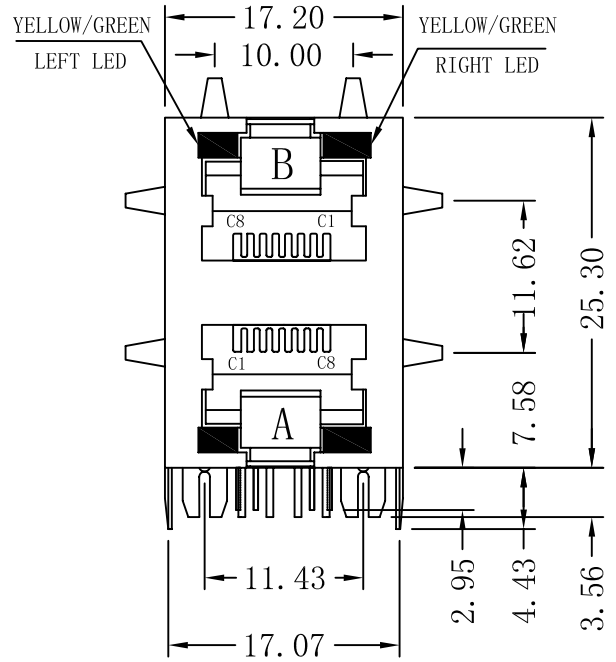


Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2007/06/19	



RECOMMENDED PCB LAYOUT (TOP VIEW)



NOTES:

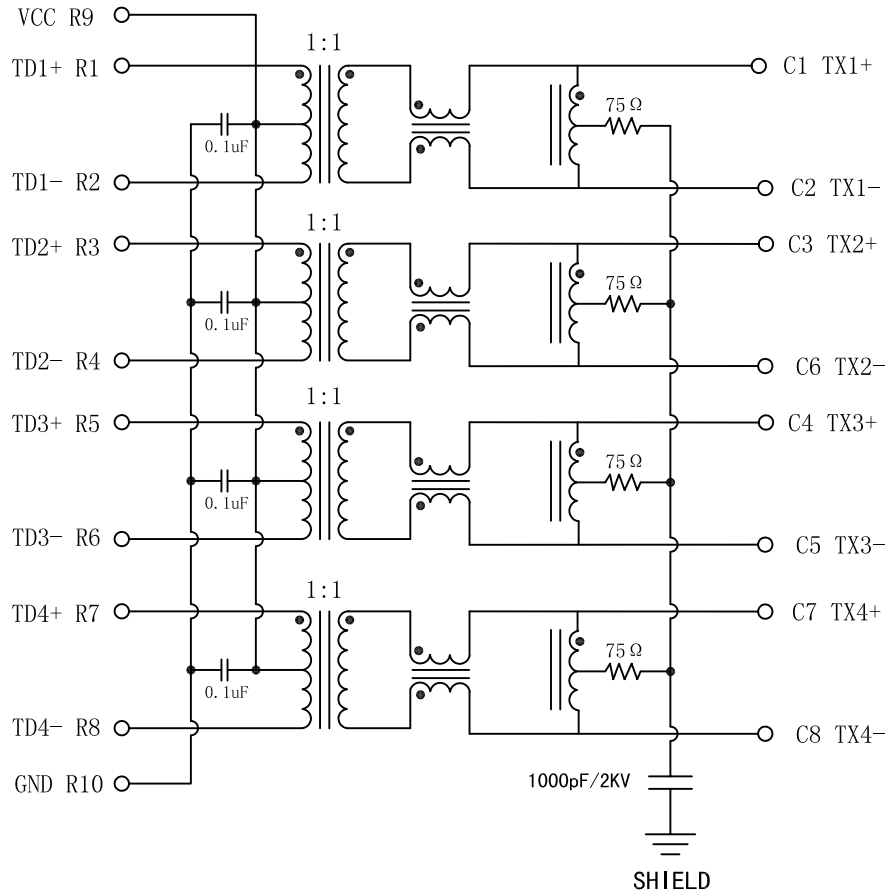
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
 Housing: Thermoplastic UL94V-0
 Contact/Shield: Copper alloy
 Shield plating: Nickel
 Contact plating: Gold 6 micro-inches min. In contact 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	±0.15	CHKD:	ShenZhen Trxcom Electronics Co., ltd
X:XXX	±0.05	DR: C. H. Y	TITLE: RJ45 2×1 w/Transformer 1000 Base-T w/LED
ANGLES	±1°	UNIT: mm	PART NO. : TRJG17512A47NL
	SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO. : TRC07061922

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2007/06/19	

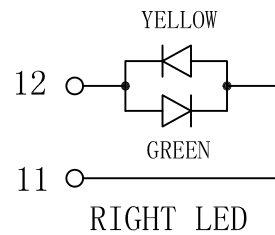
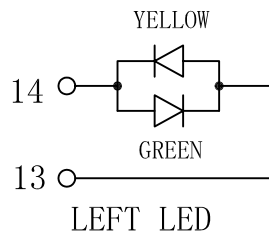
PCB CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications:

- Transmitter filter & Receiver filter
 Type: Balance low pass 100Ω impedance
 Insertion Loss: 1-100MHz: -1.0dB MAX
 Return Loss(min):
 1-30MHz: -18dB MIN. load 100Ω
 30-60MHz: -16dB MIN. load 100Ω
 60-80MHz: -12dB MIN. load 100Ω
 80-100MHz: -10dB MIN. load 100Ω
- Inductance @ 100KHz, 0.1V, 8mA DC BIAS
 Input (R1-R2), Input (R3-R4) : $350\mu\text{H}$ MIN
 Input (R5-R6), Input (R7-R8) : $350\mu\text{H}$ MIN
- Crosstalk: 1-100MHz: -30dB MIN
- CMR: 1-100MHz: -30dB MIN
- Hipot Test:
 Input (R1-R2) to Output (C1-C2) : 1500VAC, 60sec
 Input (R3-R4) to Output (C3-C6) : 1500VAC, 60sec
 Input (R5-R6) to Output (C4-C5) : 1500VAC, 60sec
 Input (R7-R8) to Output (C7-C8) : 1500VAC, 60sec.
- Operating Temperature: $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$.



X:X	± 0.25	APPD:	Trxcom ShenZhen Trxcom Electronics Co., ltd
X:XX	± 0.15	CHKD:	
X:XXX	± 0.05	DR: leo	TITLE: RJ45 2X1 w/Transformer 1000 Base-T w/LED
ANGLES	$\pm 1^{\circ}$	UNIT: mm	PART NO.: TRJG17512A47NL
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: TRC07061922