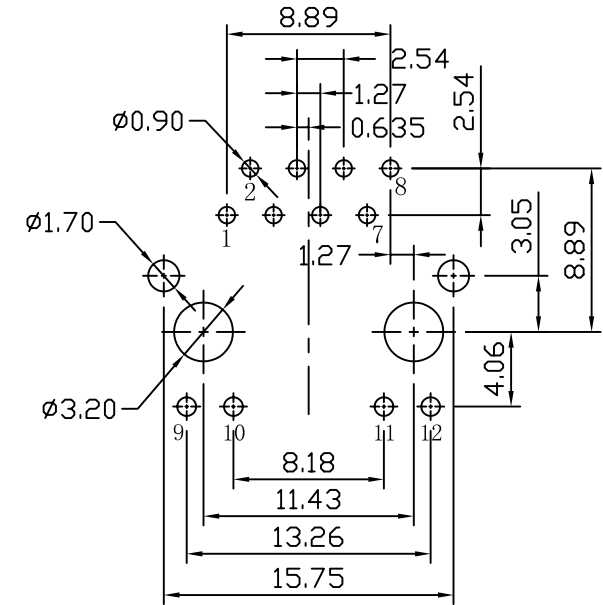
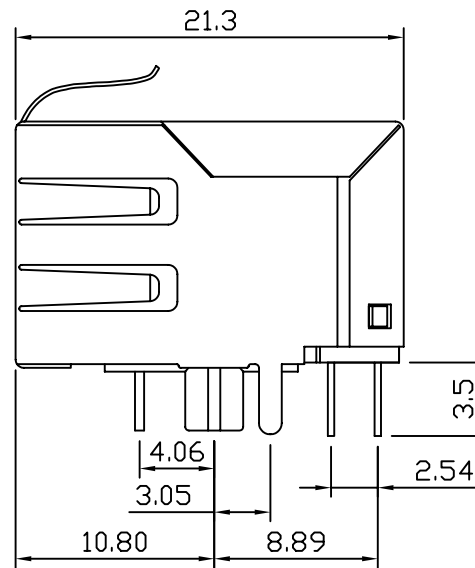
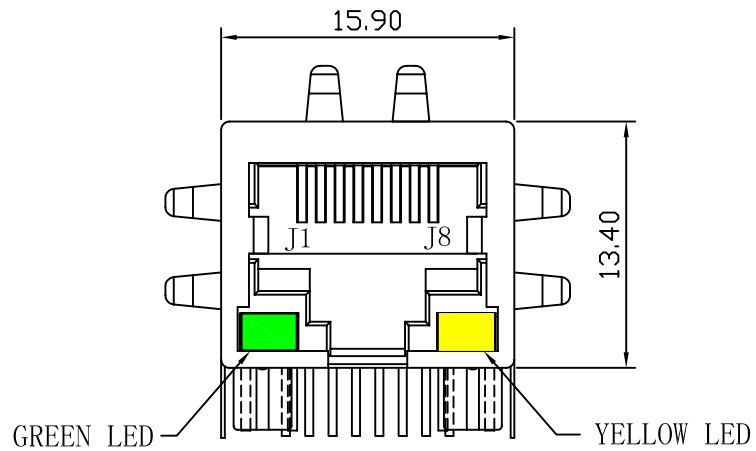
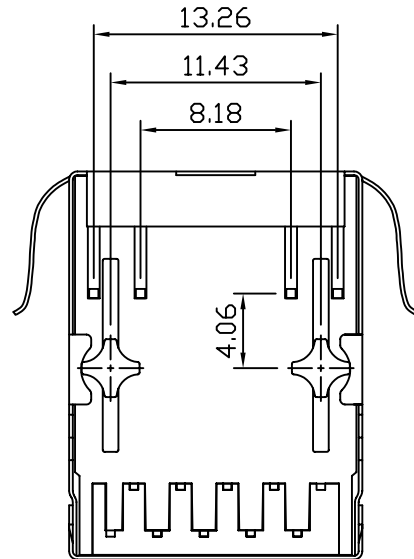


Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		13/11/2009	



SUGGESTED PCB LAYOUT (TOP VIEW)



NOTES:

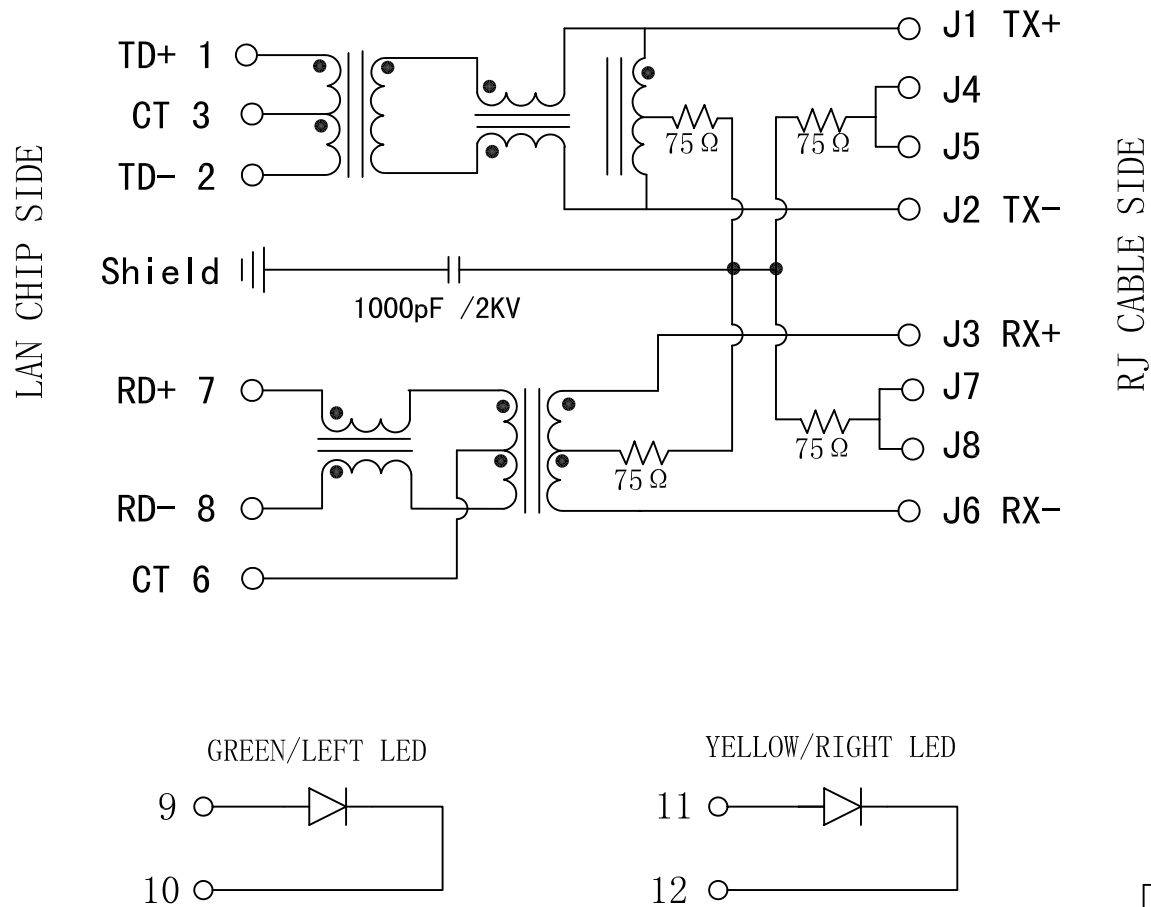
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact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



X:X	±0.25	APPD:	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetics	
X:XX	±0.10	CHKD:		
X:XXX	±0.05	DR:		
ANGLES	±1°	UNIT: mm	PART NO. : TS8P8C-PCB-ETH TRAF	
		SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO. :		

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		31/11/2009	



Electrical Specifications @25°C

- Turns Ratio:
TX=1CT:1 RX=1CT:1CT
- Inductance:
350uH MIN @100KHz, 100mVrms, 8 mA DC bias
- Insertion Loss:
1~65MHz:-1.0dB MAX
- Return Loss(dB MIN):
1~30MHz:-18 40MHz:-16
50MHz:-12 60MHz:-10
- Crosstalk(dB MIN):
30MHz:-40 60MHz:-35
100MHz:-30
- CMR: (dB MIN):
30MHz:-30 60MHz:-20
100MHz:-20
- HI-POT:1500V
- Operating Temperature:0~70°C



X:X	±0.25	APPD:	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetics	
X:XX	±0.10	CHKD:		
X:XXX	±0.05	DR:		
ANGLES	±1°	UNIT: mm	PART NO.: TS8P8C-PCB-ETH TRAF	
		SCALE: 2/1	SHEET: 2/2	REV: A
				DWG NO.: