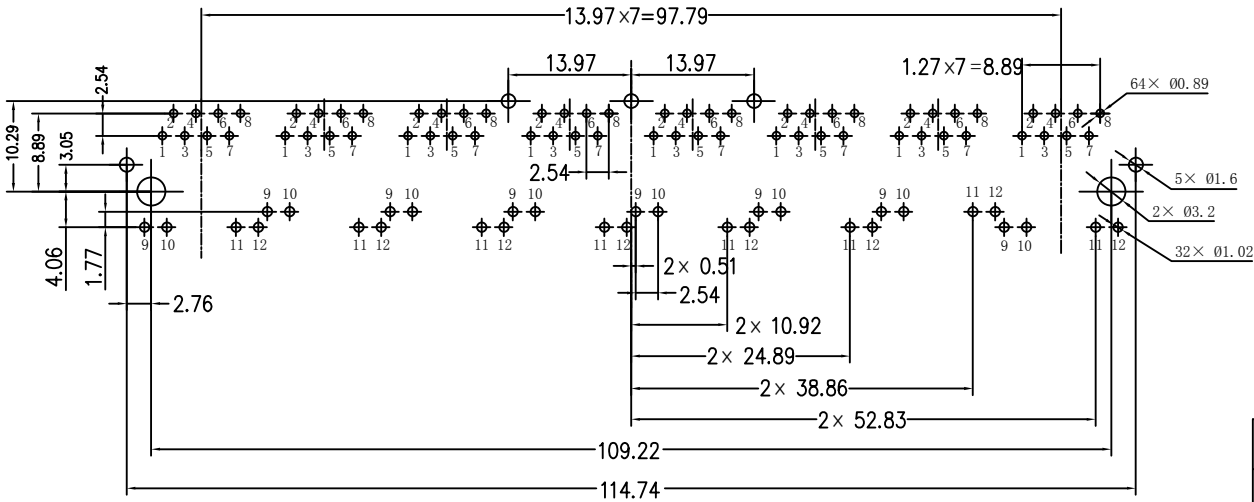
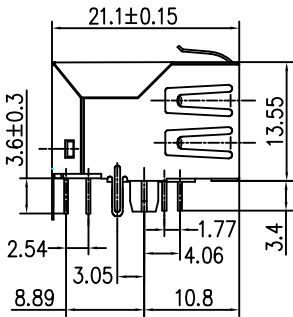
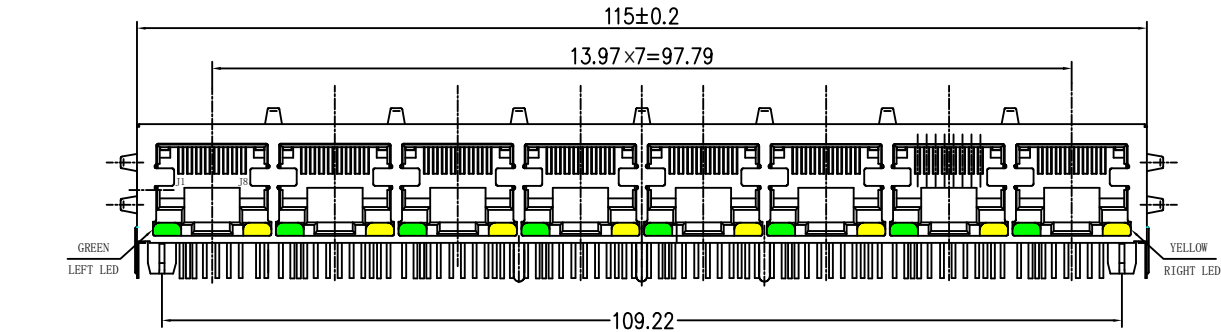


Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		02/07/2008	



SUGGESTED PCB LAYOUT (TOP VIEW)

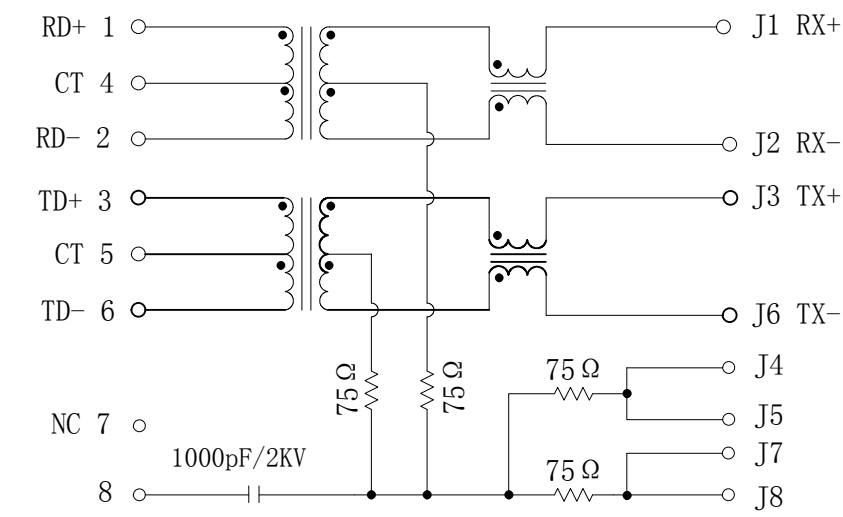
NOTES:

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 peak temperature: 260°C, 5Sec.

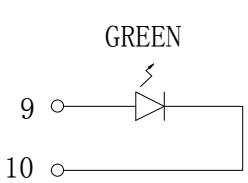
X:X	± 0.20	APPD:	Summit Electronics BV	
X:XX	± 0.10	CHKD:		
X:XXX	± 0.05	DR: TOM	Title: RJ45 Connector With 10/100 Base-TX Integrated Magnetic	
ANGLES	± 1°	UNIT: mm	PART NO.: SRJ108010010	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG:

Schematic:

PCB CONNECTIONS

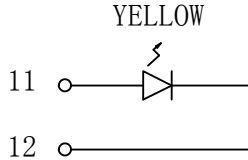


RJ45 CONNECTOR



LEFT LED

LED POLARITY		COLOR
PIN 9	PIN 10	
+	-	GREEN



RIGHT LED

LED POLARITY		COLOR
PIN 11	PIN 12	
+	-	YELLOW

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		02/07/2008	

Electrical Specification @25°C

- 1. Turns Ratio ($\pm 2\%$) :
TX=1CT:1CT RX=1CT:1CT
- 2. OCL: 350uH Min
@100KHz, 0.1V, 8mA DC Bias
- 3. Insertion Loss:
1~100MHz:-1.0dB Max
- 4. Return Loss(dB Min):
1~30MHz:-16 30~60MHz:-12
60~80MHz:-10
- 5. Crosstalk(dB Min):
1~30MHz:-40 30~60MHz:-35
60~100MHz:-30
- 6. CMR(dB Min):
1~50MHz:-40 50~150MHz:-30
- 7. Hipot: 1500V AC 6S 1mA
- 8. Operating Temperature: -40°C ~ +85°C.



X:X	± 0.20	APPD:	Summit Electronics BV	
X:XX	± 0.10	CHKD:		
X:XXX	± 0.05	DR: TOM	Title: RJ45 Connector With 10/100 Base-TX Integrated Magnetic	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : SRJ108010010	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG: