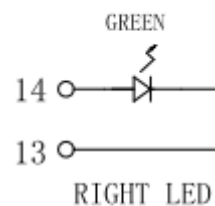


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/09/06	

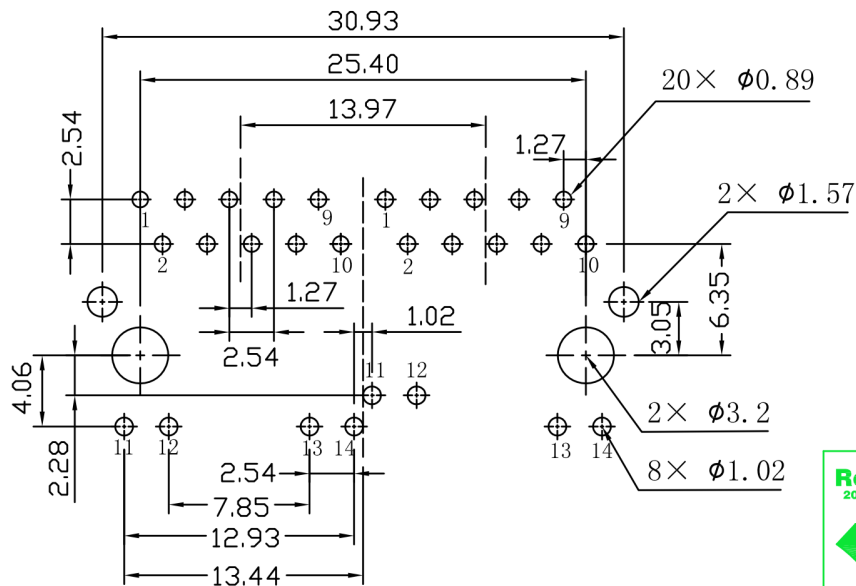
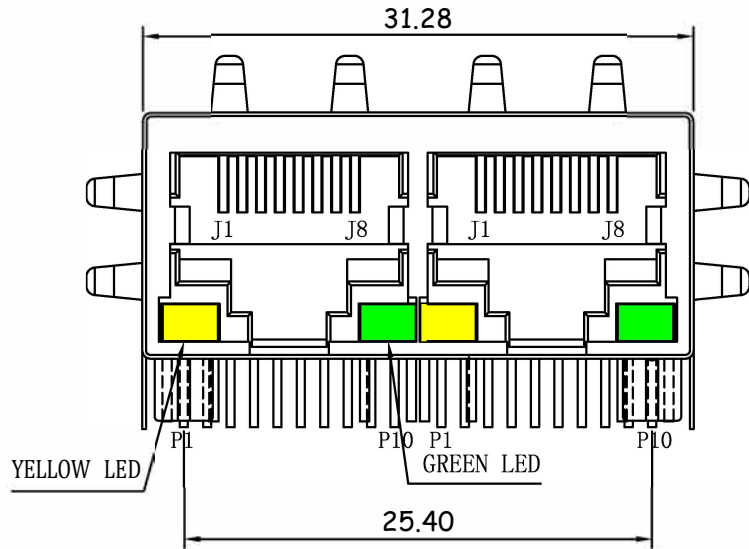


Electrical Specification @25 °C

1. Turns Ratio ($\pm 2\%$) :
TlCT : ICT
2. OCL: 350uH Min
@100KHz/0.1V With 8mA DC Bias
3. Insertion Loss(dB Max):
1-100MHz:-0.8 100-120MHz:-1.2
4. Return Loss(dB Min):
1-30MHz:-18 30-60MHz:-16
60-100MHz:-12 80-100MHz:-10
5. Crosstalk(dB Min):
1-30MHz:-40dB 30-60MHz:-35dB
60-100MHz:-30dB
6. CMR(dB Min):
1-50MHz:-40dB 50-150MHz:-30dB
7. Hipot: 1500Vrms
8. Operating Temperature: -40°C ~ +85°C

X:X ± 0.30	APPD:	Summit Electronics BV	
X:XX ± 0.20	CHKD:		
-----1----- X:XXX ± 0.05	OR: TOM	D TITLE: RJ45 Connector with 1000 BASE-TX Integrated Magnetic	
ANGLES ± 1°	UNIT: mm	PART NO.: SRJ102010010	
SCALE: 2/1		SHEET: 1/2	REV: A DWG NO. :

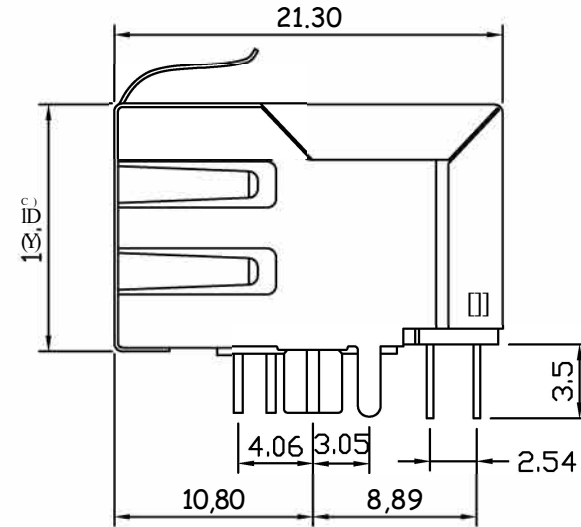
Mechanical:



SUGGESTED PCB LAYOUT (TOP VIEW)



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/09/06	



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	± 0.30	APPD:	Summit Electronics BV	
X:XX	± 0.20	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector with 1000 BASE-TX Integrated Magnetic	
ANGLES	± 1°	UNIT: mm	PART NO.: SRJ102010010	
SCALE: 2/1		SHEET: 2/2	REV: A	DWG NO. :