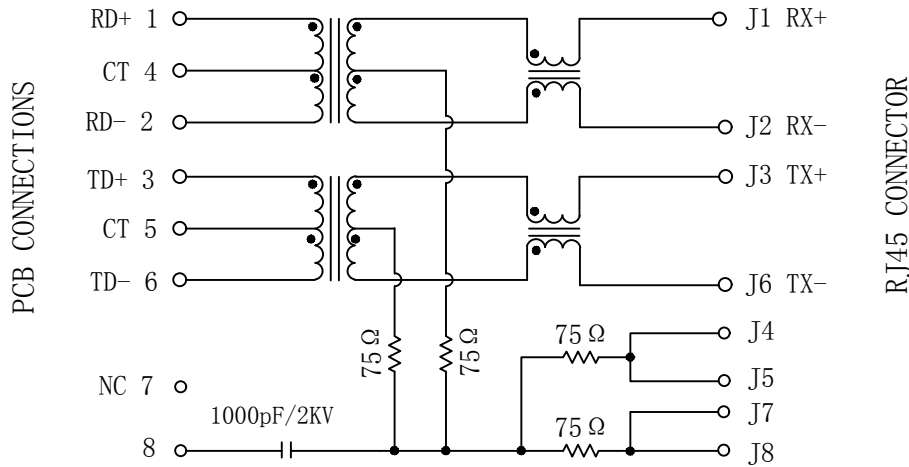


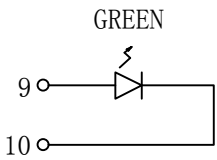
Schematic:

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



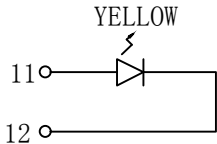
Electrical Specification @25°C

- Turns Ratio ($\pm 2\%$) :
TX=1CT:1CT RX=1CT:1CT
- OCL: 350uH Min
@100KHz, 0.1V, 8mA DC Bias
- Insertion Loss:
1~100MHz:-1.0dB Max
- Return Loss(dB Min):
1~30MHz:-16 30~60MHz:-12
60~80MHz:-10
- Crosstalk(dB Min):
1~30MHz:-40 30~60MHz:-35
60~100MHz:-30
- Common Mode Rejection(dB Min):
1~50MHz:-40 50~100MHz:-30
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature: 0°C~70°C.



LEFT LED

LED POLARITY		COLOR
PIN 9	PIN 10	
+	-	GREEN



RIGHT LED

LED POLARITY		COLOR
PIN 11	PIN 12	
+	-	YELLOW

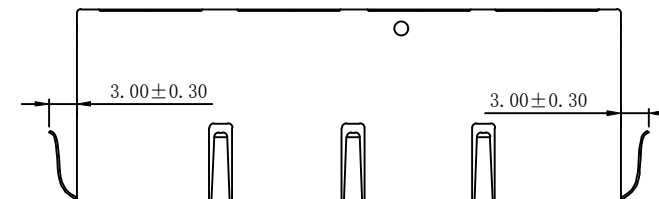
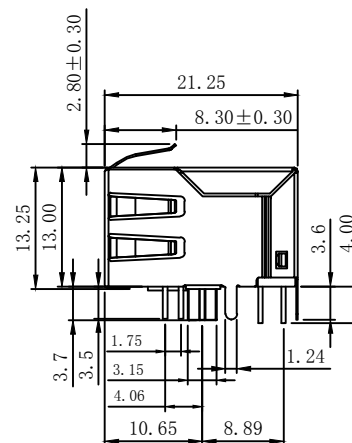
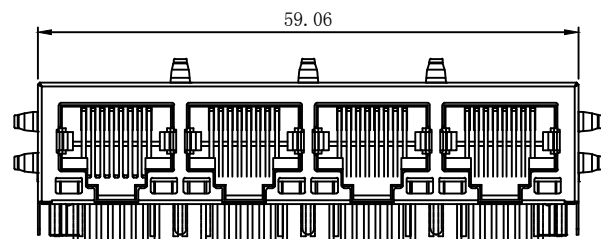


Emitting Color	λ_p (nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.4V	10 μ A max
YELLOW	585	1.8~2.4V	10 μ A max

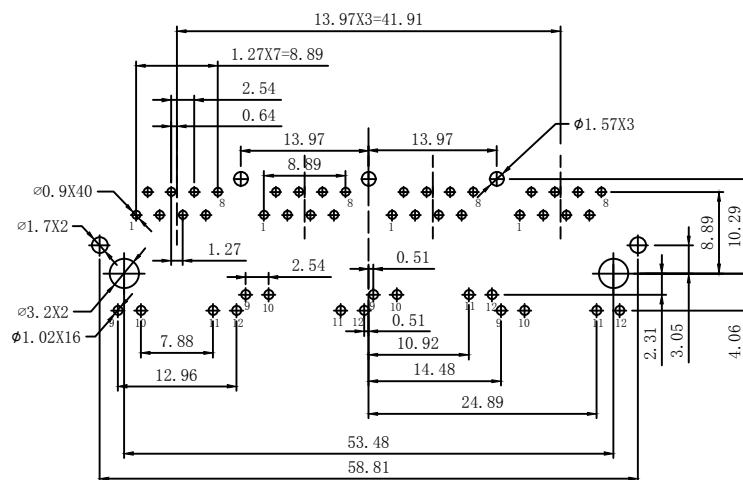
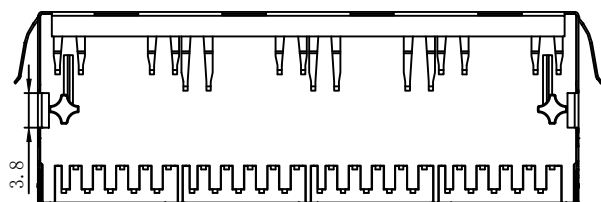
X:X	± 0.30	APPD: TOM	Summit Electronics BV	
X:XX	± 0.25	CHKD: JAMES		
X:XXX	± 0.05	DR: LEO	TITLE: RJ45 Connector With 10/100 Base-TX Integrated Magnetic	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : SRJ104010010	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG:

Mechanical:

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



Top Side View



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 IEEE802.3 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 304-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 250°C, 5 Sec.



X: X	±0.30	APPD: TOM	Summit Electronics BV	
X: XX	±0.25	CHKD: JAMES		
X: XXX	±0.05	DR: LEO	TITLE: RJ45 Connector With 10/100 Base-TX Integrated Magnetic	
ANGLES	±1°	UNIT: mm	PART NO.: SRJ104010010	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG: LP08070230