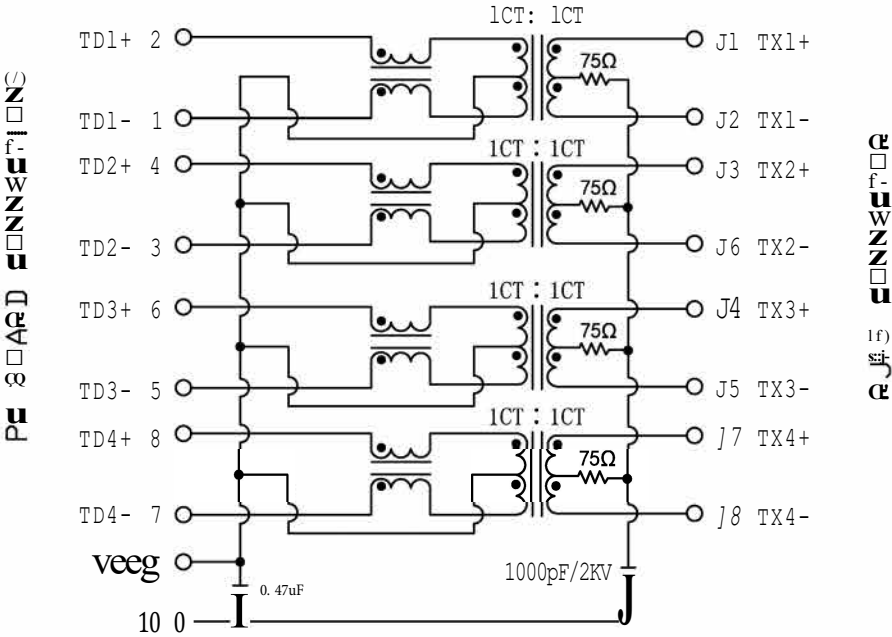


Schematic:

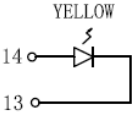
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-28	



ELECTRICAL SPECIFICATIONS @25 °C

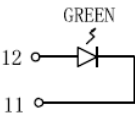
- Turn Ratio(±3%):
Pri : Sec = 1CT : 1CT
- Inductance OCL:
180uH Min @100KHz, 0.1V, 8mADC
- Insertion Loss(dB Max):
1~50MHz:-0.5 50~125MHz:-1.0
125~200MHz:-2.0
- Return Loss(dB Min):
1~40MHz: -20
40~200MHz:-15
- Cross talk(dB Min):
1~125MHz:-35
- Common Mode Rejection(dB Min):
1~200MHz: -25
- Hipot Test: 2250VDC 1mA 1s
- Operating Temperature: 0 °C ~ 70 °C.

Emitting Color	λp(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max



LEFT LED

LED POLARITY		COLOR
PIN 14	PIN 13	
+	-	YELLOW



RIGHT LED

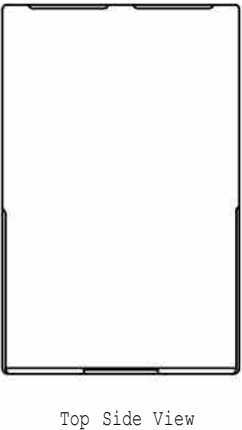
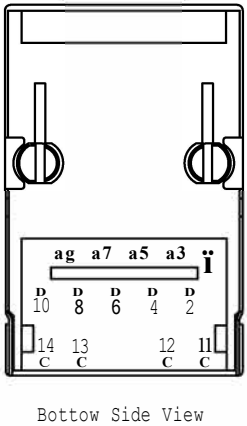
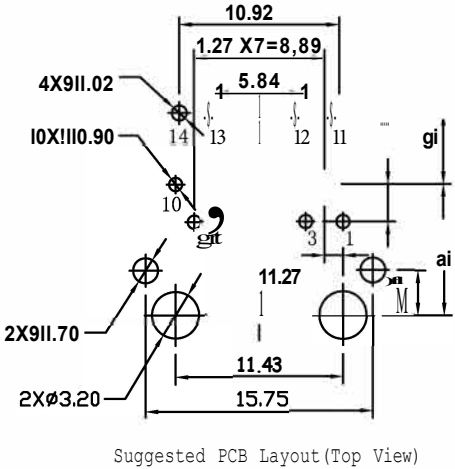
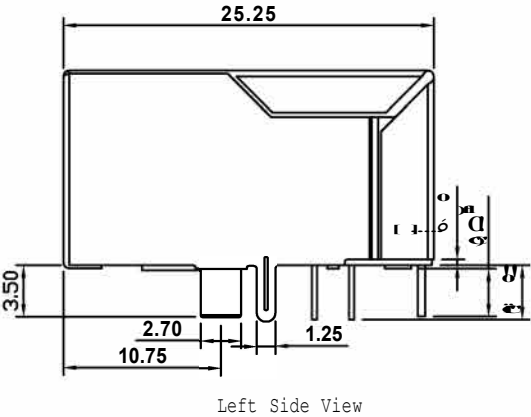
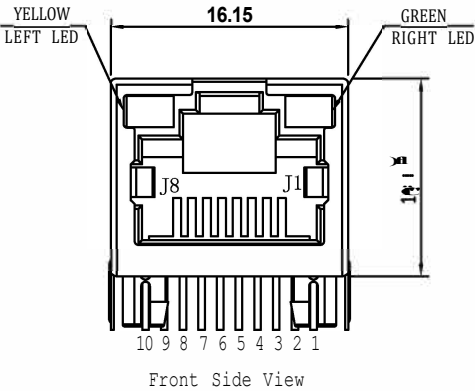
LED POLARITY		COLOR
PIN 12	PIN 11	
+	-	GREEN



X:X ±0.30	APPD:	Summit Electronics BV		
X:XX ±0.25	CHKD:			
X:XXX ±0.05	DR: TOM	Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: SRJ101250020		
	SCALE: 211	SHEET: 1/2	REV: A	

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-28	



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 201-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min. In contact area.
- 4.Wave solder tip temperature: 265 C Max, 5 Sec.

X:X ±0.30	APPD:	Summit Electronics BV		
X:XX ±0.25	CHKD:			
X:XXX ±0.05	OR: TOM	TITLE: RJ45 Connector with 2.5G Base-T Integrated Magnetics		
ANGLES ± 10	UNIT: mm	PART NO.: SRJ101250020		
SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. :	