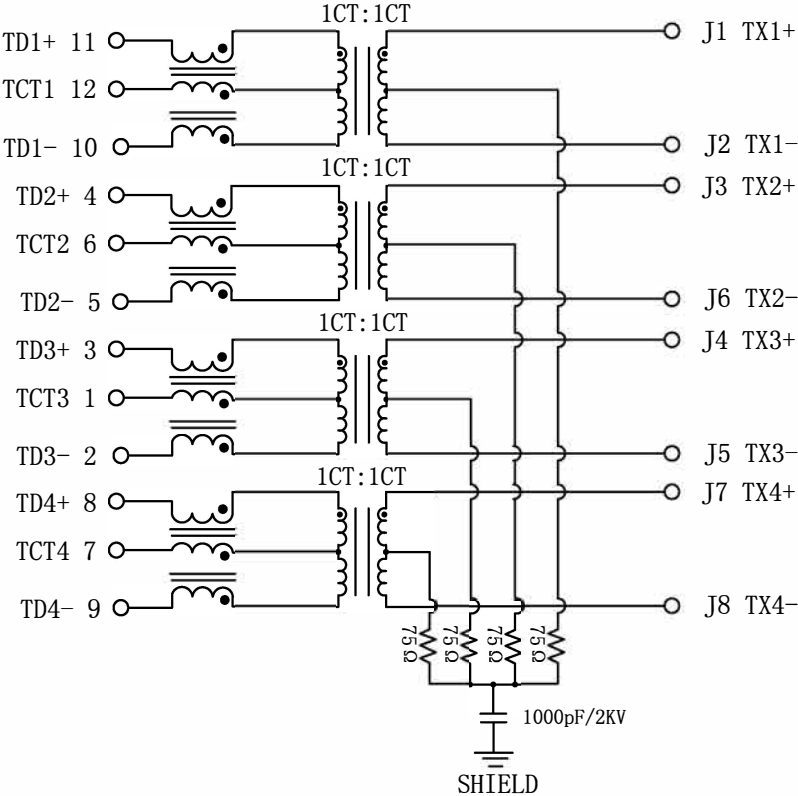


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-04-21	

PC BOARD CONNECTIONS

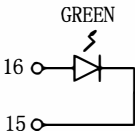


RJ45 CONNECTOR

Electrical Specifications @25°C

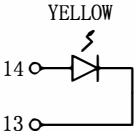
- 1. Turns Ratio(±2%) :
Pri:Sec = 1CT:1CT
- 2. OCL :
160uH Min @100KHz/0.1Vrms
- 3. Insertion Loss(dB Max) :
0.1-100MHz:-1.0 100-250MHz:-2.0
- 4. Return Loss(dB Min) :
1-50MHz:-20
50-250MHz:-20+15Log(f/40) Load 100 Ω
- 5. Crosstalk(dB Min) :
1-125MHz:-30 125-250MHz:-25
- 6. CMDR(dB Min) :
1-250MHz:-20
- 7. Hi-Pot: 1500Vrms @60Hz
- 8. 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 16	PIN 15	
+	-	GREEN



RIGHT LED

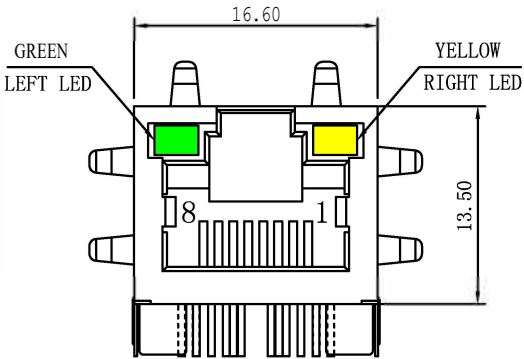
LED POLARITY		COLOR
PIN 14	PIN 13	
+	-	YELLOW



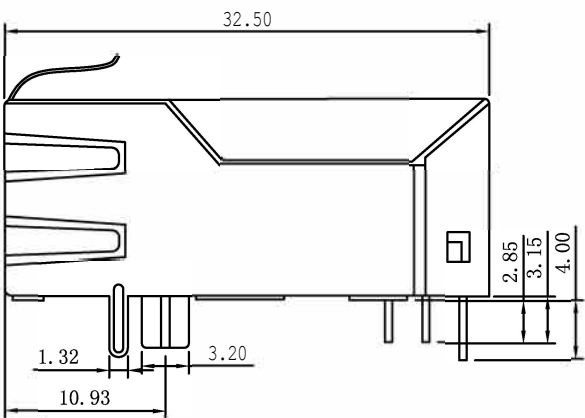
X:X ±0.30	APPD:	Summit Electronics BV		
X:XX ±0.25	CHKD:			
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 2.5G/5G Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: SRJ101050010		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.:

Mechanica :

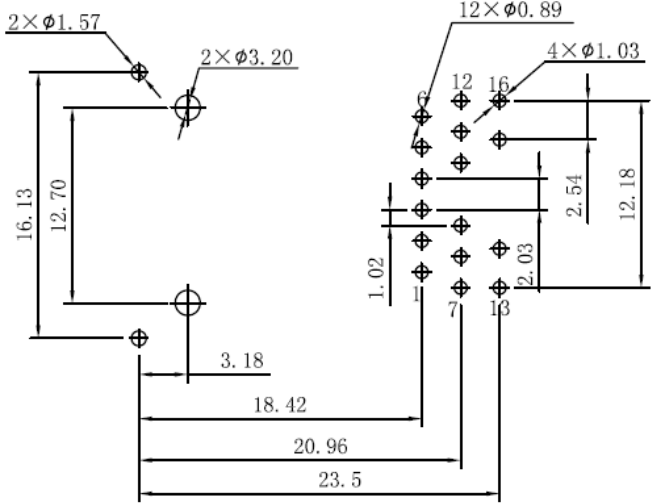
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-04-21	



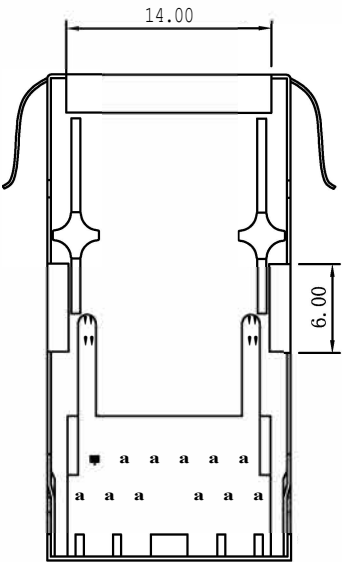
Front Side View



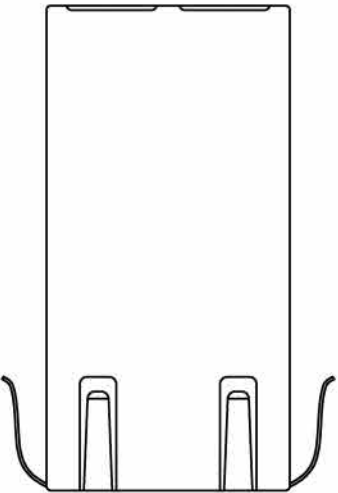
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side 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 Max, 5Sec.



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/5G Base-T Integrated Magnetics		
ANGLES ± 10	UNIT: mm	PART NO.: SRJ101050010		
SCALE: 2/1		SHEET: 2/2	REV: A	DWG NO. :