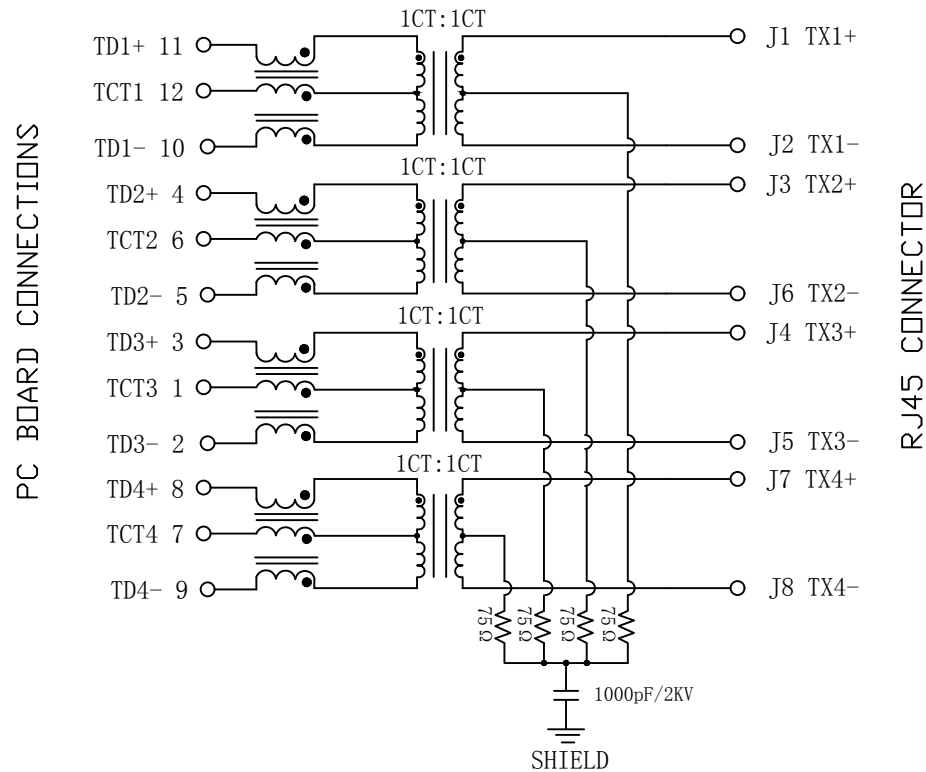


Schematic:

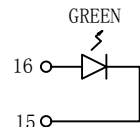
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2023-03-19	



Electrical Specifications @25°C

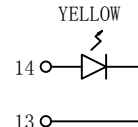
- Turns Ratio($\pm 2\%$):
Pri:Sec = 1CT:1CT
- OCV:
200uH Min @100KHz/0.1Vrms
- Insertion Loss(dB Max):
0.1-10MHz:-1.0 100-650MHz:-3.0
- Return Loss(dB Min):
1-40MHz:-20 40-400MHz:-14
400-500MHz:-10
- Crosstalk(dB Min):
1-500MHz:-30
- CMDR(dB Min):
1-500MHz:-25
- Hi-Pot: 1500Vrms
- Operating Temperature: 0°C~70°C.

Emitting Color	λ_p (nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.2V	10 μ A max
YELLOW	585	1.8~2.2V	10 μ A max



LEFT LED

LED POLARITY		COLOR
PIN 16	PIN 15	
+	-	GREEN



RIGHT LED

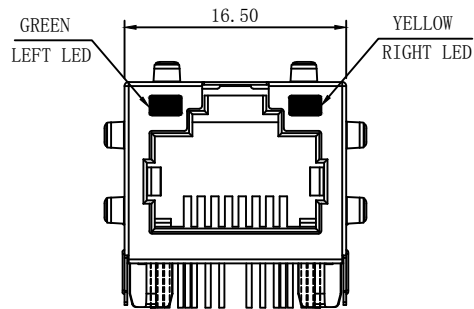
LED POLARITY		COLOR
PIN 14	PIN 13	
+	-	YELLOW



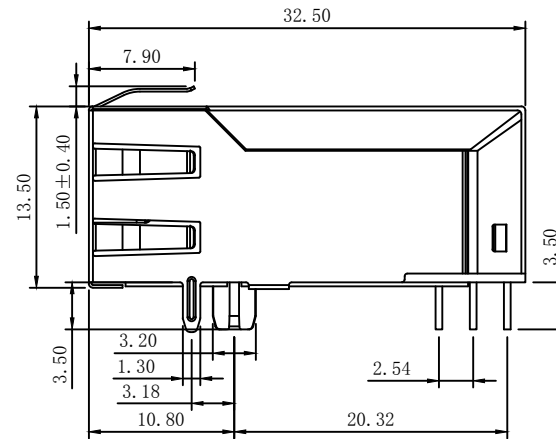
X:X	± 0.30	APPD:	TOM	Summit Electronics BV	
X:XX	± 0.25	CHKD:	JAMES		
X:XXX	± 0.05	DR:	LEO	TITLE: RJ45 Connector with 10G Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT:	mm	PART NO.: SRJ101100010	
	SCALE:	2/1	SHEET:	1/2	REV: A6
				DWG NO.:	LP23031931

Mechanical :

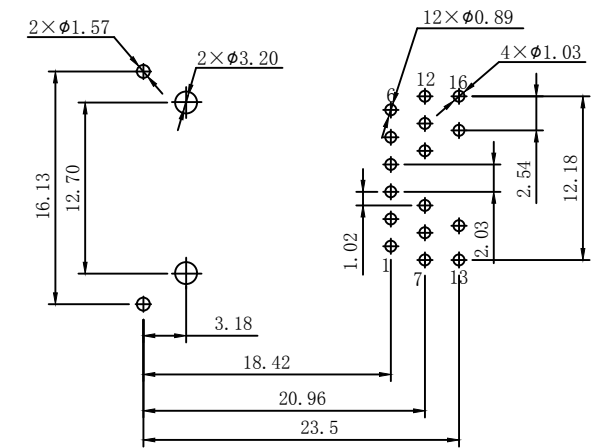
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2023-03-19	



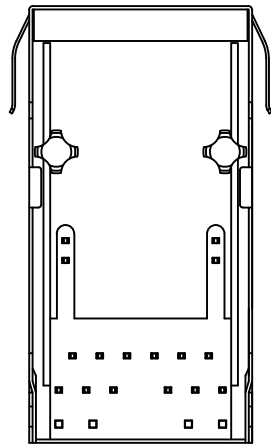
Front Side View



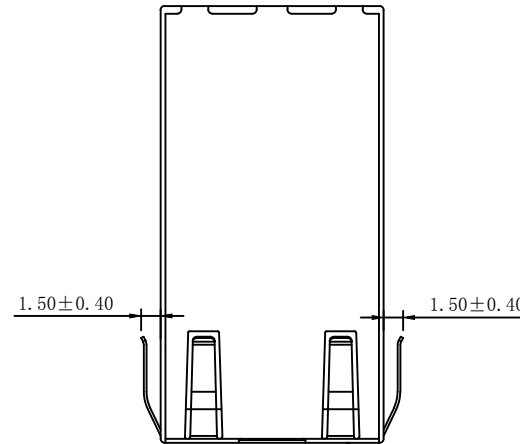
Left Side View



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 Material: Thermoplastic PBT+30%G.F UL94V-0
Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm
Pins: Brass C2680R-H Thickness=0.35mm
Shield: SUS 304 1/2EH 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 10G Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO. : SRJ101100010		
	SCALE: 2/1	SHEET: 2/2	REV: A6	DWG NO. : LP23031931

