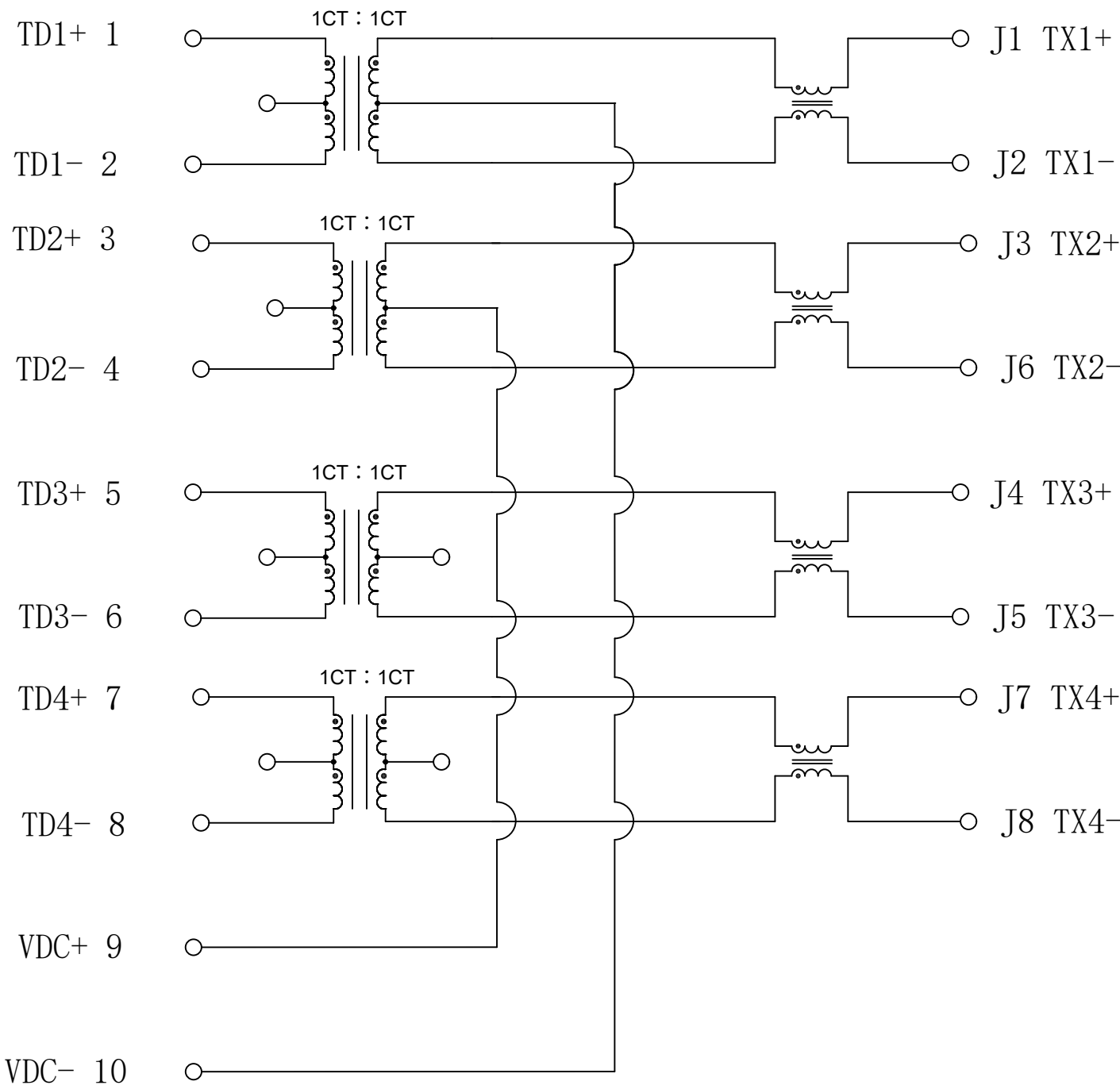


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2021/11/07	

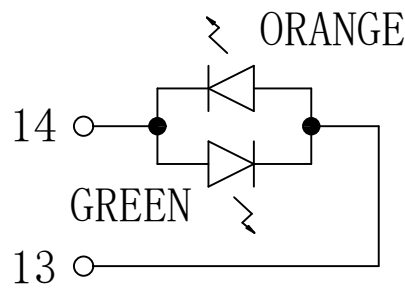
PCB SIDE



CABLE SIDE

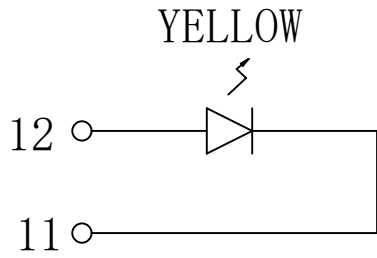
ELECTRICAL SPECIFICATIONS @25°C

- 1.Turn Ratio : 1CT:1CT $\pm 5\%$
- 2.OCL: 200uH Min @100KHz , 0.1V
- 3.Insertion Loss (dB Max):
1-100MHz: -1.0 100-125MHz: -1.5
- 4.Return Loss(dB Min):
1-30MHz: -16 30-100MHz: -12
100-150MHz: -10
- 5.Cross Talk:
1-125MHz: -25dB Min.
- 6.Common Mode Rejection(dB Min):
1-125MHz: -30
- 7.Common Mode to Differentinal Mode Rejection(dB Min):
1-100MHz: -30 100-125MHz:-25.
- 8.Balance DC Line current:
600mA MAX,@57VDC Continuous;
- 9.INPUT-OUTPUT ISOLATION:
POE HIPOT TEST:1000V/DC 1mA. Max
- 10.Operating Temperature Range: -40°C~+85°C.



LEFT LED

LED POLARITY		COLOR
PIN 14	PIN 13	
+	-	GREEN
-	+	ORANGE

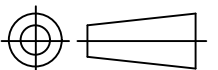


RIGHT LED

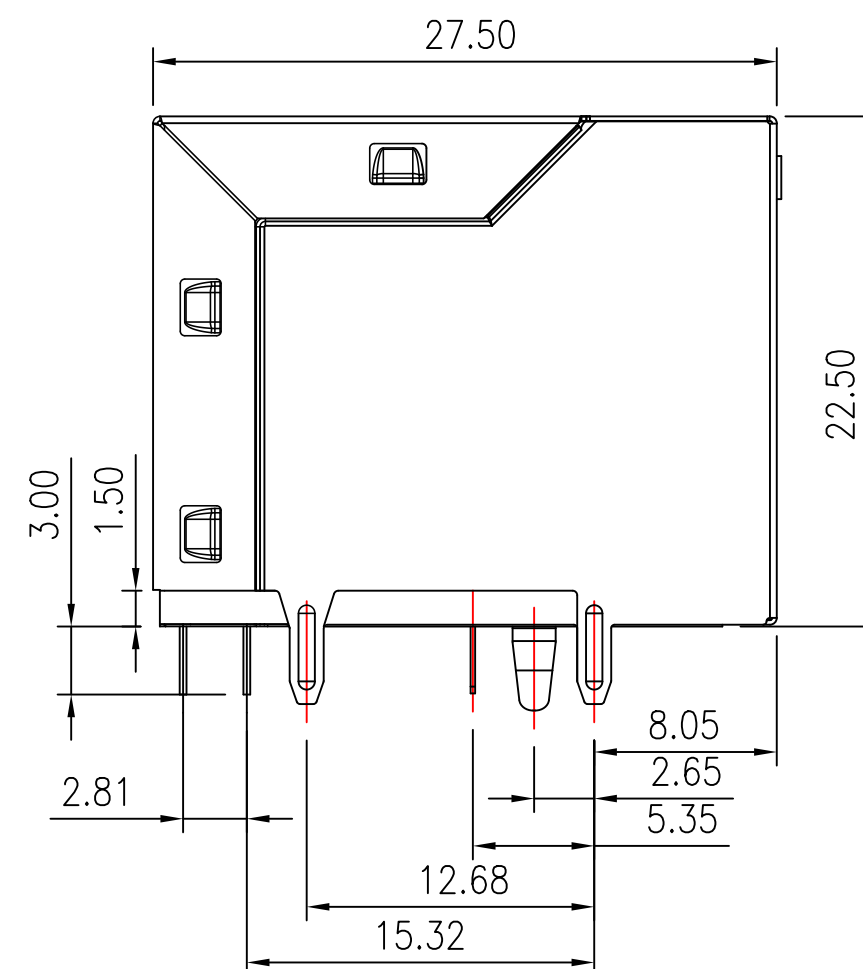
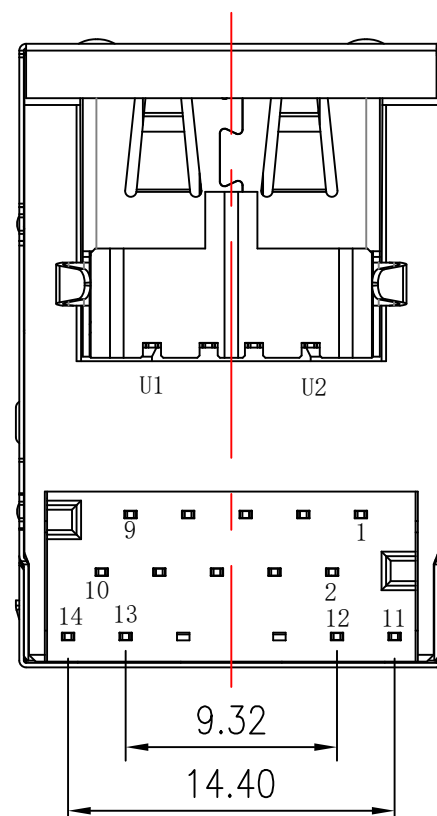
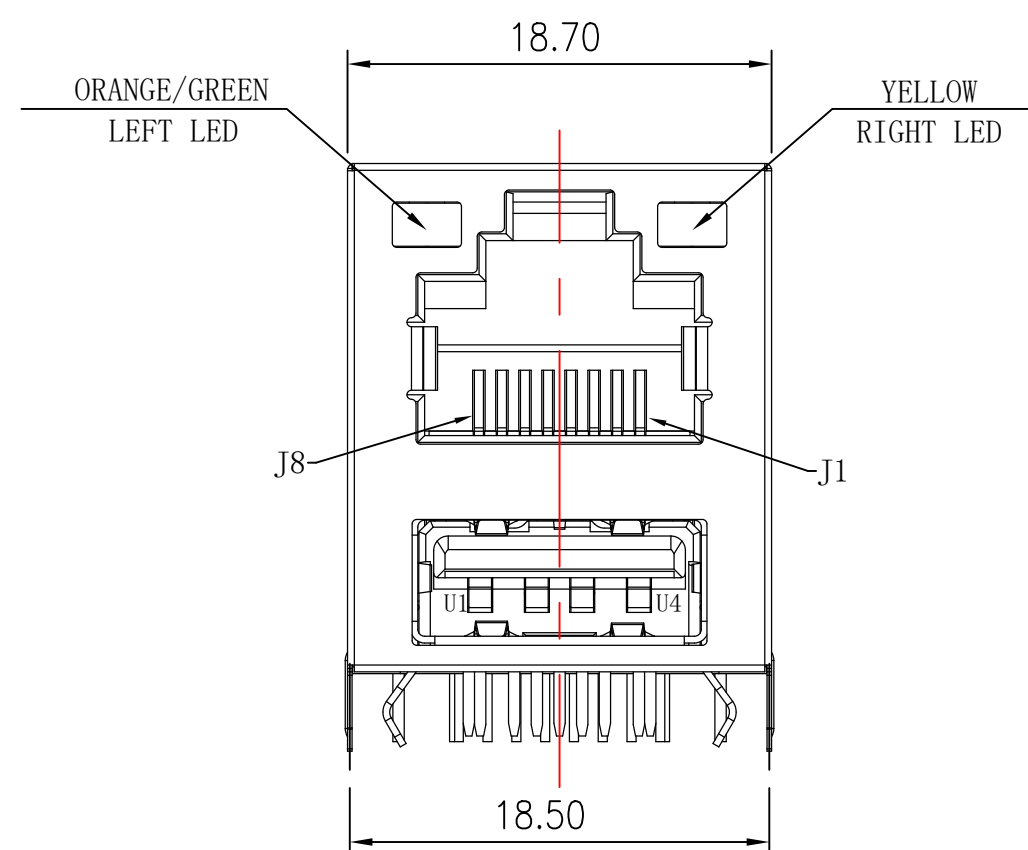
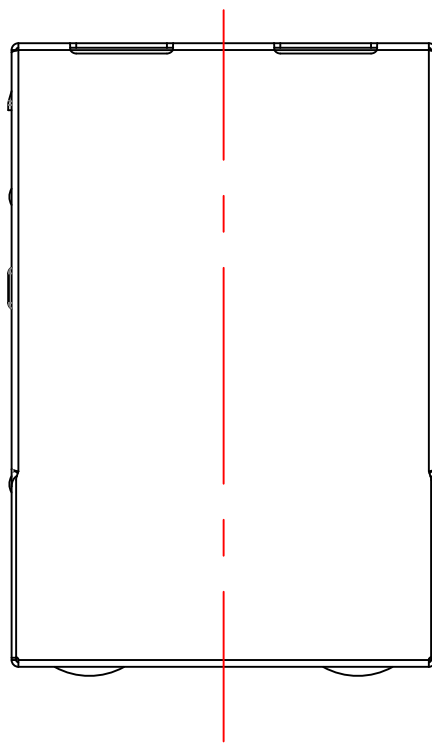
LED POLARITY		COLOR
PIN 12	PIN 11	
+	-	YELLOW



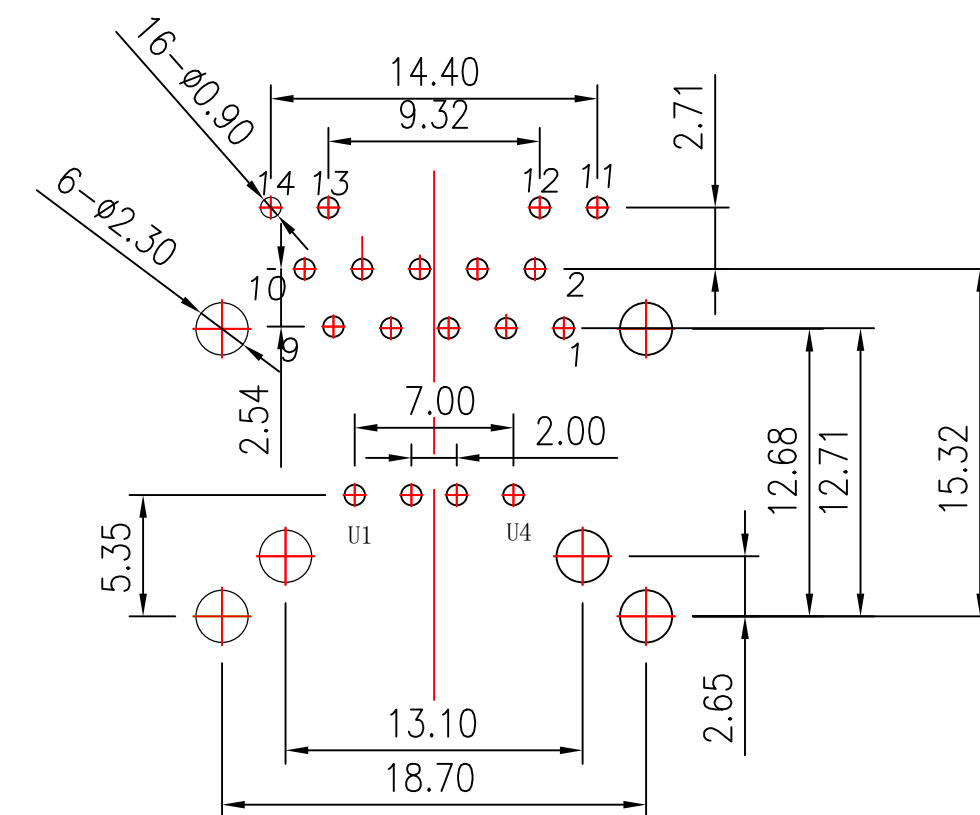
Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
Orange/Green	610/570	1.8~2.6V	10 μ A max
Yellow	585	1.8~2.6V	10 μ A max

X:X	±0.30	APPD:	TOM	Summit Electronics BV		
X:XX	±0.25	CHKD:	JAEMS			
X:XXX	±0.05	DR:	LEO			
ANGLES ±1°		UNIT: mm		TITLE: RJ45 2.5G Base-TX Jack/Dual USB Combo For PoE+ Application		
				PART NO. : SRJ101251010		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. :		

Mechanical:



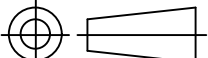
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2021/11/07	



RECOMMEND PCB LAYOUT
ALL TOLERANCE ARE: $\pm 0.05\text{mm}$
(TOP VIEW) PCB THICKNESS=1.6mm

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 PBT UL94V-0
 - Contact/Shield: Copper alloy
 - Shield plating: Nickel
 - Contact plating: Gold 6 micro-inches min. In contact area.
 - USB Contact plating: Gold flash.
4. Wave solder tip temperature: 250°C, 5 Sec.

X:X	± 0.30	APPD:	TOM	Summit Electronics BV		
X:XX	± 0.25	CHKD:	JAEMS			
X:XXX	± 0.05	DR:	LEO	TITLE: RJ45 2.5G Base-TX Jack/Dual USB Combo For PoE+ Application		
ANGLES	$\pm 1^{\circ}$	UNIT:	mm	PART NO. : SRJ101251010		
	SCALE:	2/1	SHEET:	2/2	REV: A	DWG NO. :