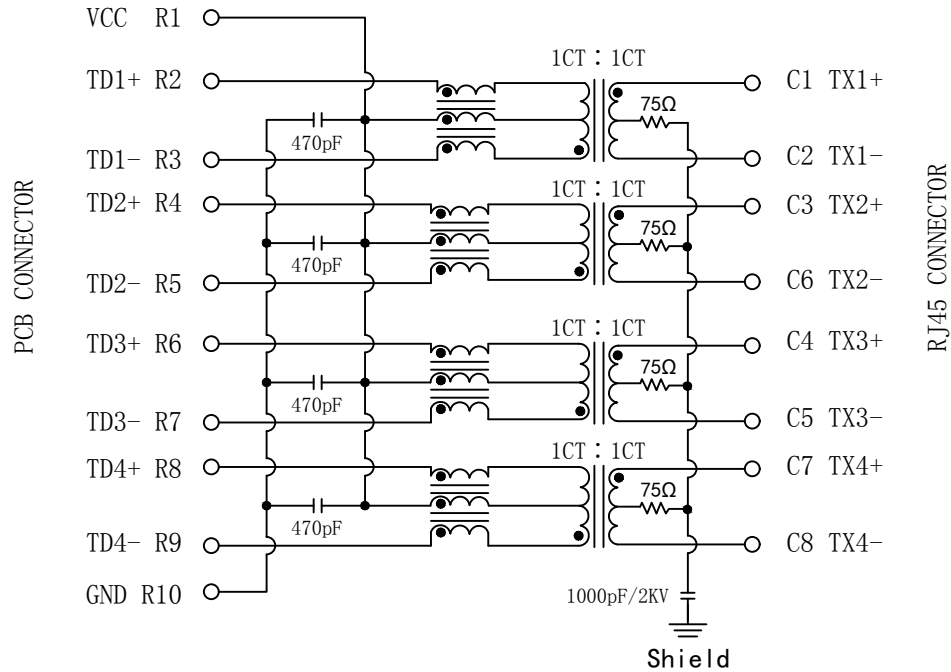


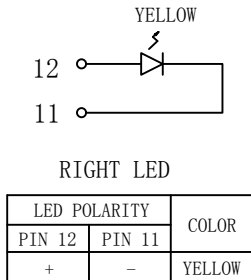
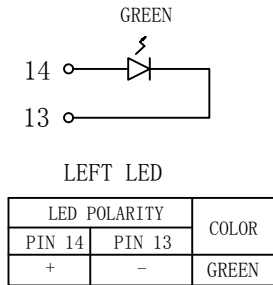
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-08-02	



ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio : 1CT:1CT $\pm 5\%$
- OCL: 200uH Min @100KHz , 0.1V
- Insertion Loss (dB Max):
1-100MHz: -1.0 100-125MHz: -1.5
- Return Loss(dB Min):
1-30MHz: -16 30-100MHz: -12
100-150MHz: -10
- Cross Talk:
1-125MHz: -25dB Min.
- Common Mode Rejection(dB Min):
1-125MHz: -30
- Common Mode to Differential Mode Rejection(dB Min):
1-100MHz: -30 100-125MHz: -25.
- Isolation Hi-Pot: 2250VDC Min
- Operating Temperature Range: 0°C~70°C.

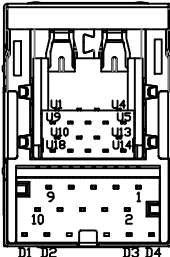


Emitting Color	λ_p (nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
ORANGE	610	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

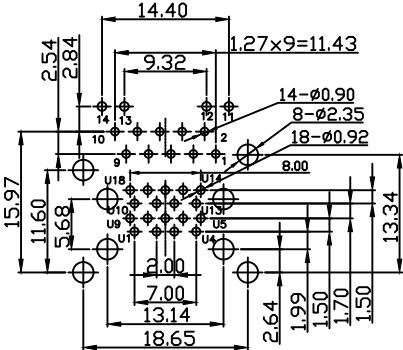
X:X	± 0.30	APPD: TOM	Summit Electronics bv	
X:XX	± 0.25	CHKD: JAMES		
X:XXX	± 0.05	DR: LEO	TITLE: RJ45 Connector with 2.5G BASE-TX JACK/Dual USB 3.0 Combo	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : SRJ101252010	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. :

Mechanical:

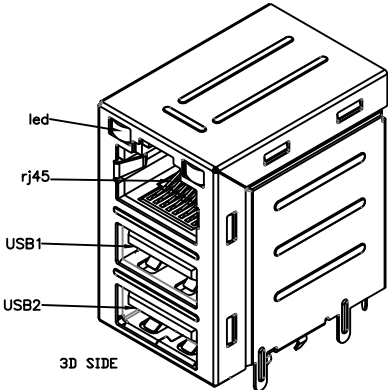
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-08-02	



BOTTOM SIDE



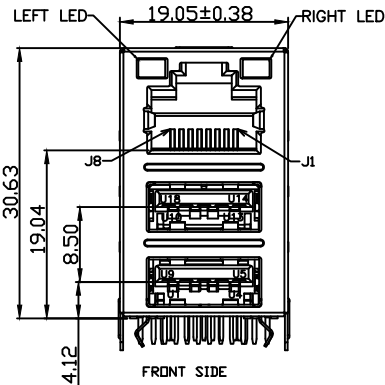
TOP VIEW (ALL TOLERANCE ARE:±0.05mm)
RECOMMENDED PCB LAYOUT (T=1.2~2.0mm)



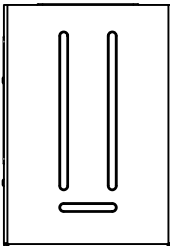
3D SIDE

USB3.0 STANDARD-A CONNECTOR PIN ASSIGNMENTS:

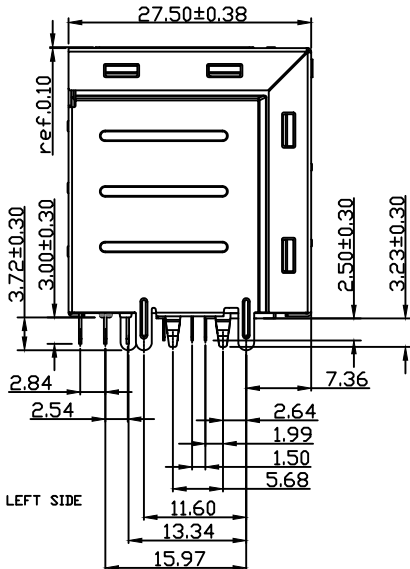
PIN NUMBER	SIGNAL NAME	DESCRIPTION
1 10	VBUS	POWER
2 11	D-	USB2.0 DIFFERENTIAL PAIR
3 12	D+	
4 13	GND	GROUND FOR POWER RETURN
5 14	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR
6 15	StdA_SSRX+	
7 16	GND_DRAIN	GROUND FOR SIGNAL RETURN
8 17	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR
9 18	StdA_SSTX+	



FRONT SIDE



TOP SIDE



LEFT SIDE

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), 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=0.25mm
 - Shield: SUS 201-1/2H Thickness=0.2mm
 - Contact plating: Gold 6 micro-inches min. In contact area. USB
 - Contact plating: Gold flash.
4. Wave soldering temperature: 250°C. 5Sec

X:X	±0.30	APPD:	TOM	Summit Electronics BV		
X:XX	±0.25	CHKD:	JAMES			
X:XXX	±0.05	DR:	LEO			
ANGLES		±1°		UNIT:	mm	
				PART NO. : SRJ101252010		
		SCALE:	2/1	SHEET:	2/2	REV: A
				DWG NO. :		

