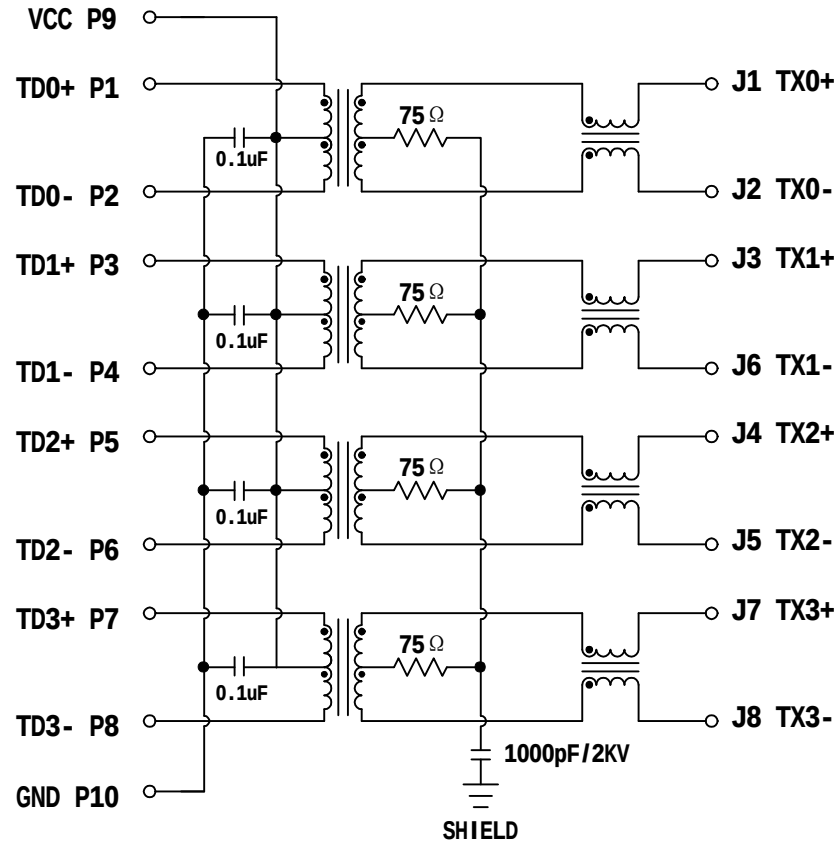


Schematic:

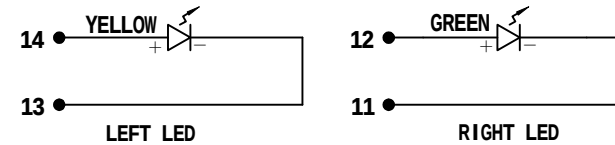
PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- 1.Turn Ratio : 1CT:1CT±5%
- 2.OCL: 350uH Min @100KHz,0.1V,8mA DC Bias
- 3.Insertion Loss (dB Max):
1-100MHz: -1.2
- 4.Return Loss(dB Min):
1-30MHz: -16 30-60MHz: -12
60-80MHz: -10 80-100MHz: -8
- 5.Cross Talk(dB Min):
1-100MHz: -30
- 6.Common Mode Rejection(dB Min):
1-100MHz: -30
- 7.Isolation PHY SIDE To Line SIDE : 1500Vrms
- 8.Operating Temperature Range: -40°C~+85°C.



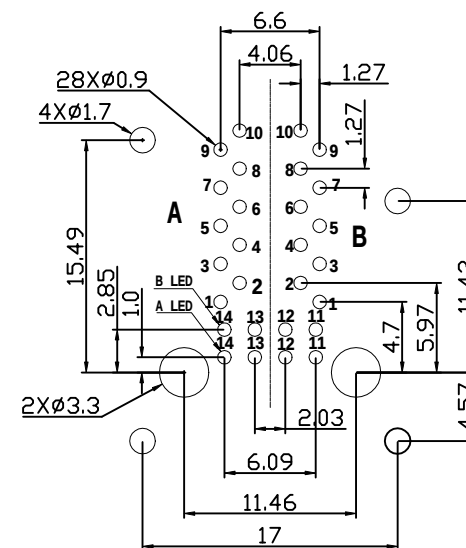
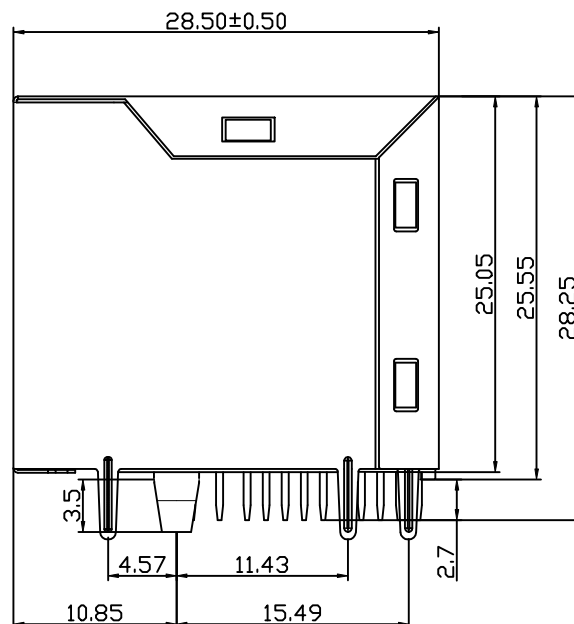
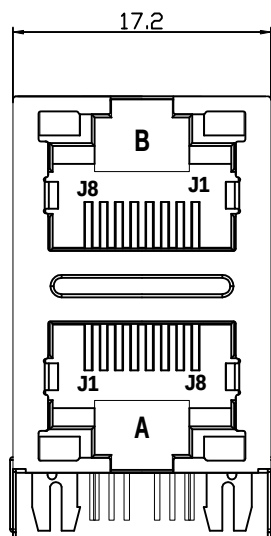
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



X.X	±0.30	APPD: TOM	Summit Electronics BV	
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 2X1 CONNECTOR WITH 1000M BASE-T INTEGRATED MAGNETICS & WITHOUT EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.: SRJ201010010	
SCALE: 2/1		SHEET: 1/2	REV: A6	DWG NO.:

Mechanical :

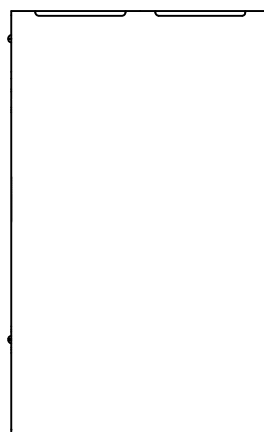
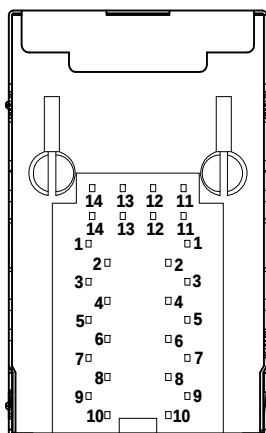
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2011-02-25	



RECOMMENDED PCB LAYOUT(TOP VIEW)

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 304-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min. In contact area.
4. **Wave solder tip temperature and time: 250°C, 5 Sec.**



X.X ± 0.30		APPD: TOM		Summit Electronics BV			
X.XX ± 0.25		CHKD: JAMES		TITLE: RJ45 2X1 CONNECTOR WITH 1000M BASE-T INTEGRATED MAGNETICS & WITHOUT EMI SPRING FINGER & WITH LED			
X.XXX ± 0.15		DR: LEO					
ANGLES ± 1°		UNIT: mm		PART NO.: SRJ201010010			
		SCALE: 2/1		SHEET: 2/2		REV: A6	
						DWG NO.:	