

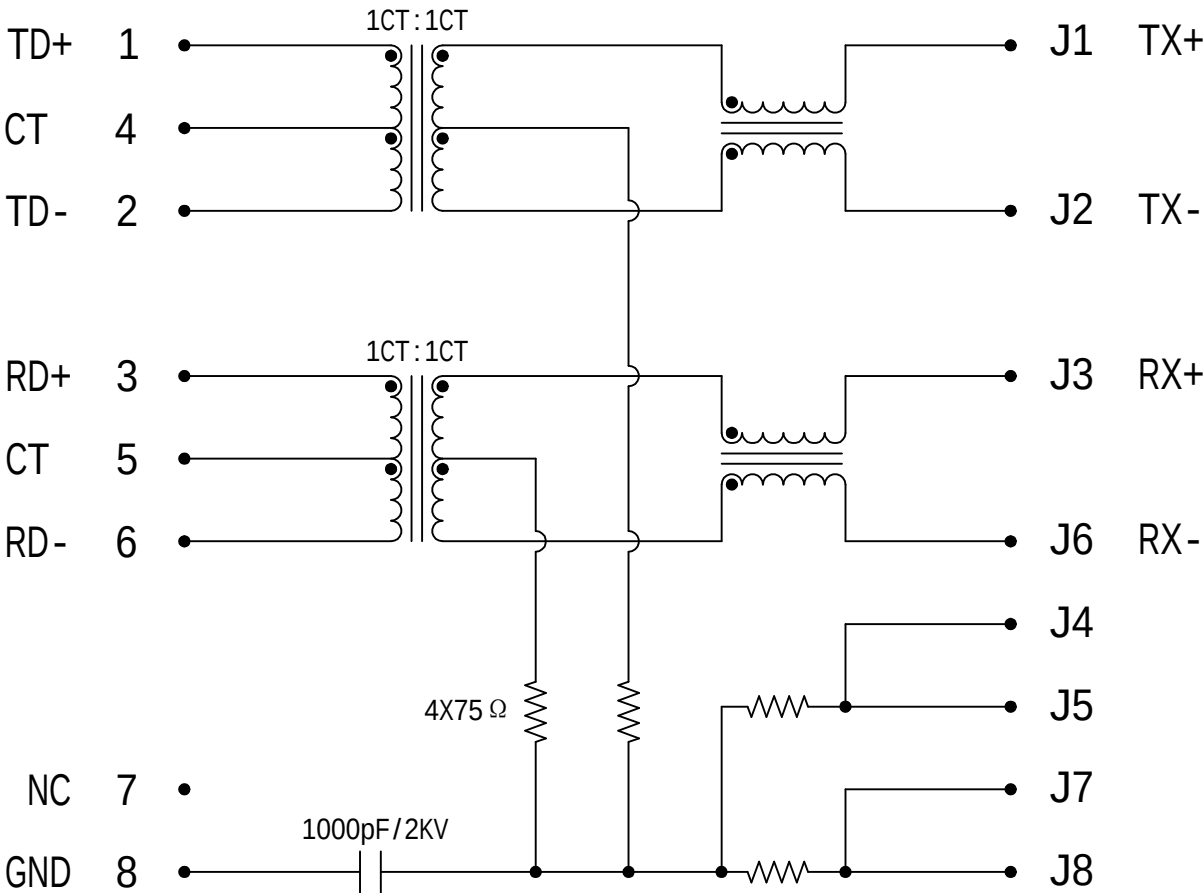
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-07-17	

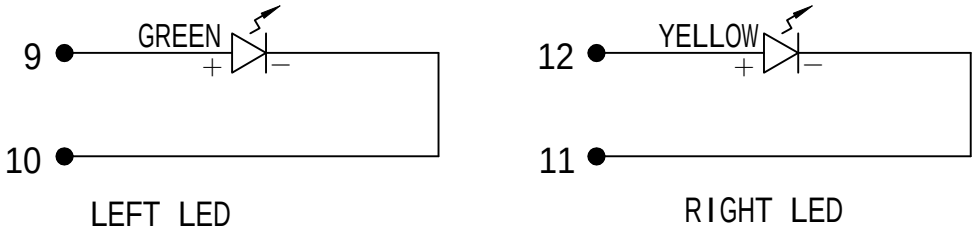
ELECTRICAL SPECIFICATIONS @25 °C

- 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: 0 °C ~+70 °C .

PC BOARD CONNECTIONS



RJ45 CONNECTOR

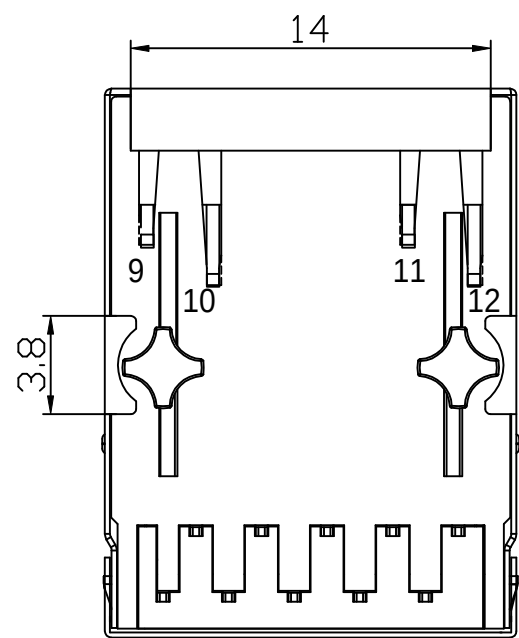
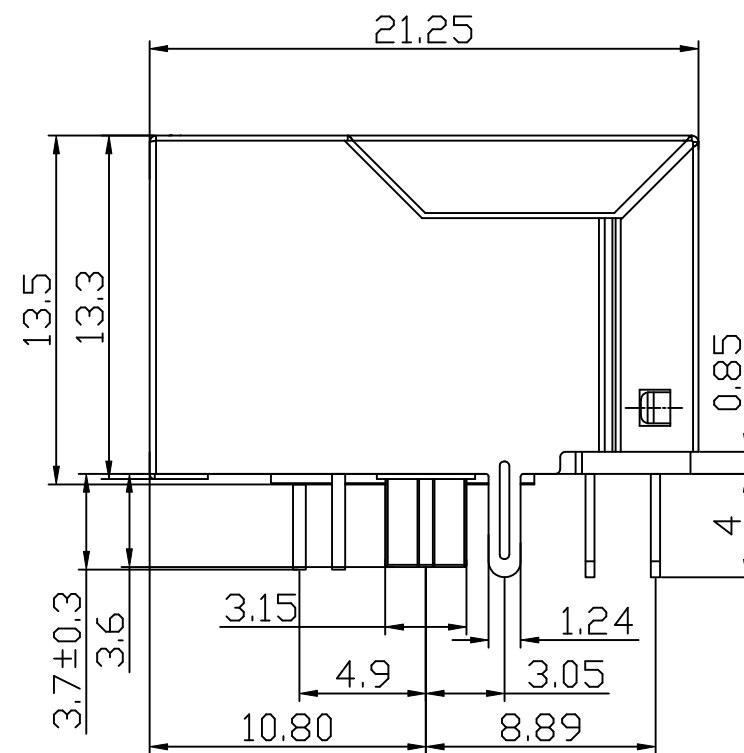
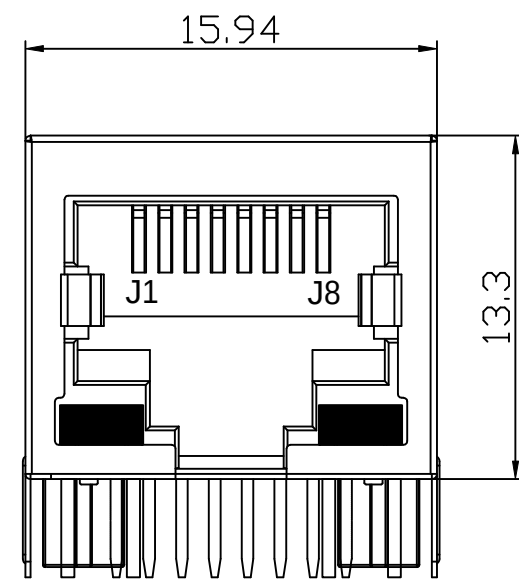


EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

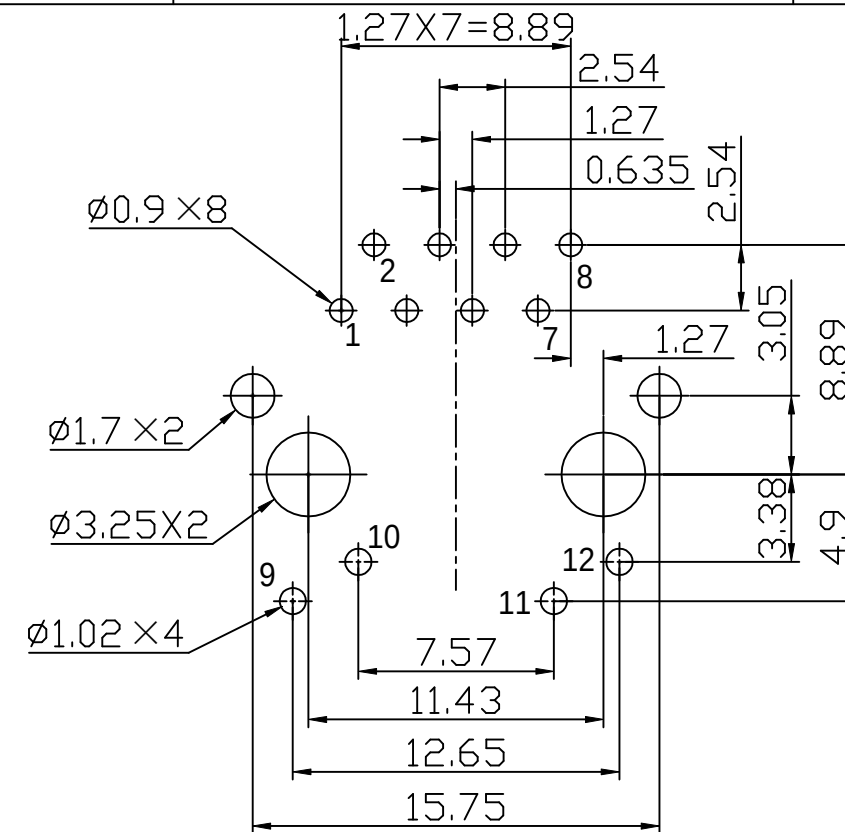


X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITHOUT EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.: LPJ0011BBNL	
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.:	LP08071726

Mechanical :



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-07-17	



RECOMMENDED PCB LAYOUT(TOP VIEW)

NOTES:

- 1.Designed to support application,such as S0H0(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
- 2.Meets IEEE802.3 specification.
- 3.Connector Materials:
Housing: Thermoplastic PBT+30%G.F BLACK 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: 250℃,5 Sec.
- 5.UL Certification: File Number E484635.

X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: LEO	RJ45 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITHOUT EMI SPRING FINGER & WITH LED	
ANGLES	±1°	UNIT: mm	PART NO.: LPJ0011BBNL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO.: LP08071726		