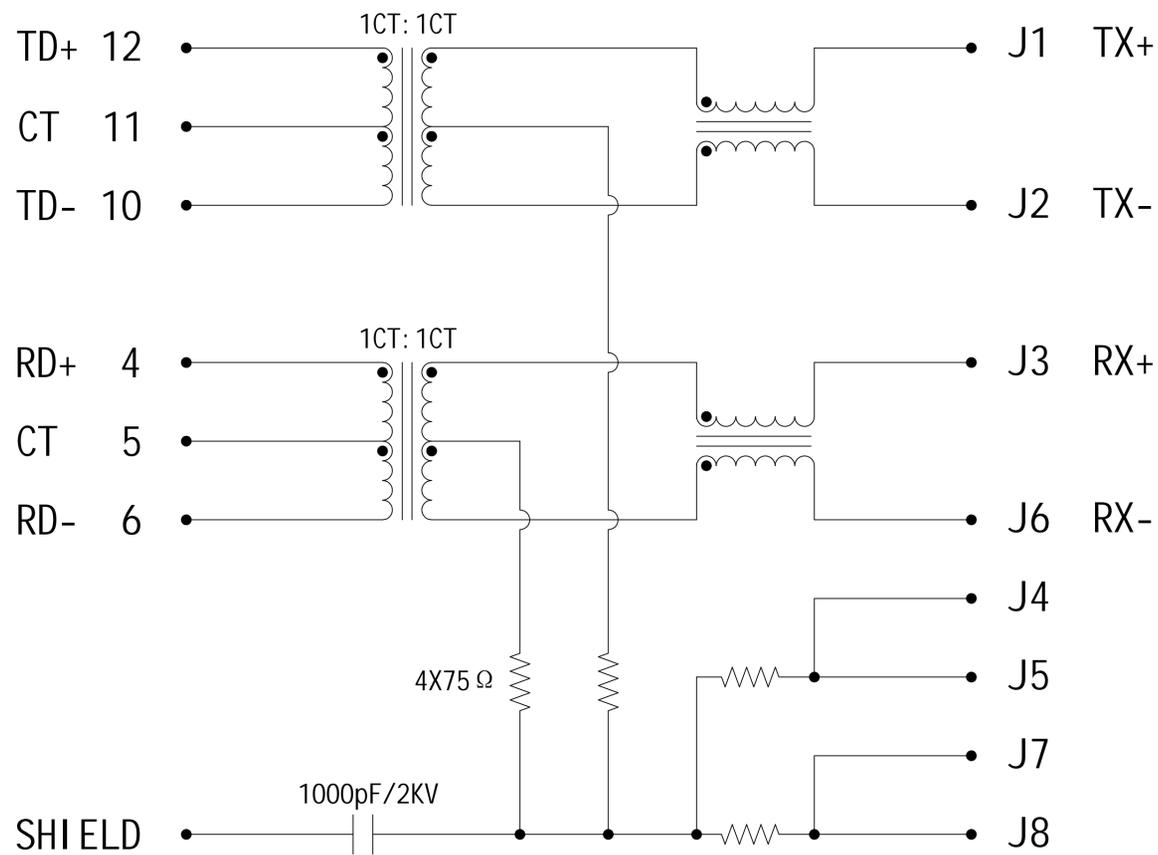


Schematic:

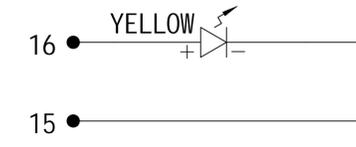
PCB SIDE TO PHY



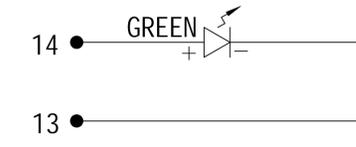
CABLE SIDE

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012-06-12	

- ELECTRICAL SPECIFICATIONS @25°C
- Turn Ratio: 1CT:1CT±5%
  - OCL: 350uH Min @100KHz, 0.1V, 8mA DC Bias
  - Insertion Loss (dB Max):
    - 1-100MHz: -1.2
  - Return Loss(dB Min):
    - 1-30MHz: -16
    - 30-60MHz: -12
    - 60-80MHz: -10
    - 80-100MHz: -8
  - Cross Talk(dB Min):
    - 1-100MHz: -30
  - Common Mode Rejection(dB Min):
    - 1-100MHz: -30
  - Isolation PHY SIDE To Line SIDE : 1500Vrms
  - Operating Temperature Range: 0°C~+70°C.



LEFT LED



RIGHT LED

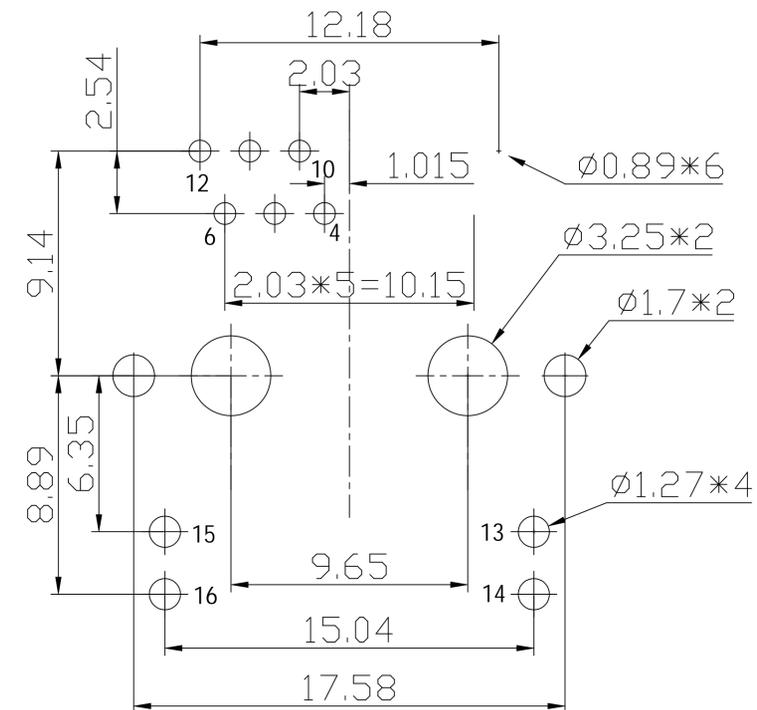
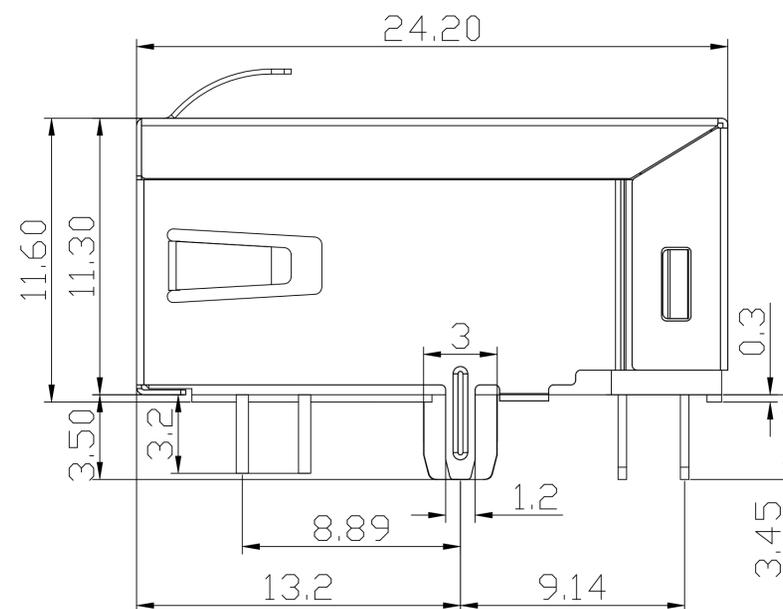
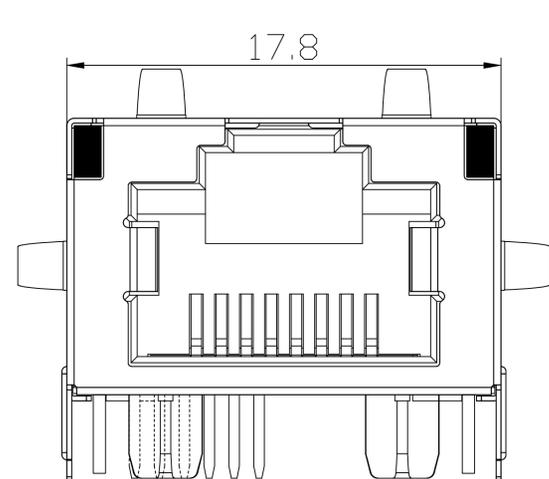
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max



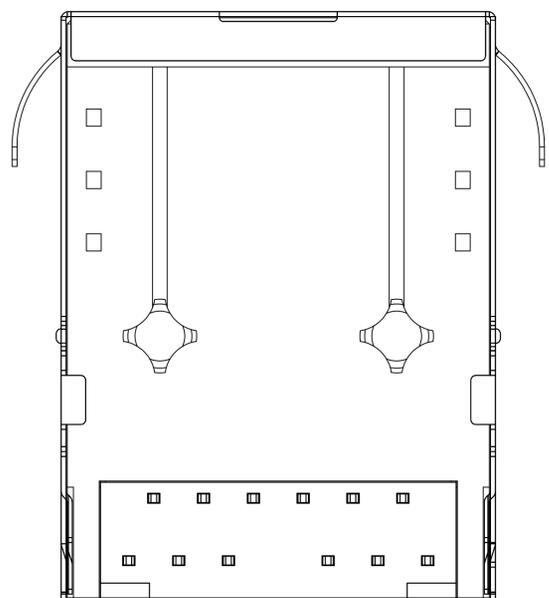
X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X.XX	±0.25	CHKD: JAMES	TITLE:
X.XXX	±0.15	DR: LEO	RJ45 1X1 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED
ANGLES	±1°	UNIT: mm	PART NO.: LPJK7001AGNLV
	SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.: LP12061214

Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012-06-12	



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.
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 1X1 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED
ANGLES	±1°	UNIT: mm	PART NO.: LPJK7001AGNLV
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: LP12061214

