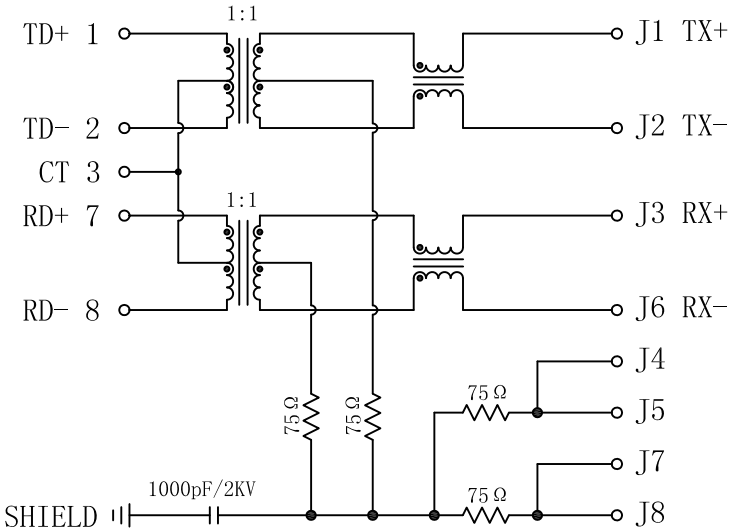


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/02/27	

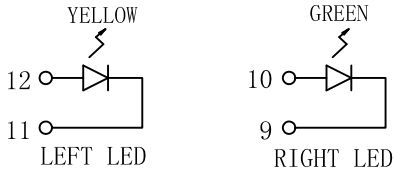
PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL: 350uH MIN
@100KHz/0.1V, 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @1-100MHz
- Return Loss:
-18dB MIN @1-30MHz
-16dB MIN @30-60MHz
-12dB MIN @60-80MHz
- Cross talk:
-30dB MIN @1-100MHz
- Common Mode Rejection:
-30dB MIN @1-100MHz
- Hipot Test: 1500Vrms MIN
- Operating Temperature Range: -40°C TO +85°C.



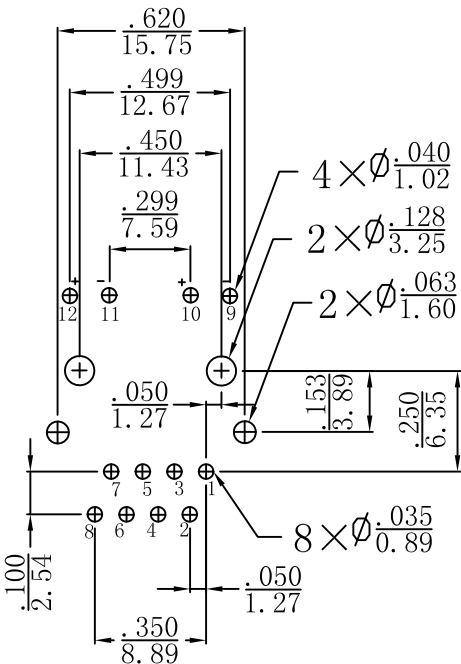
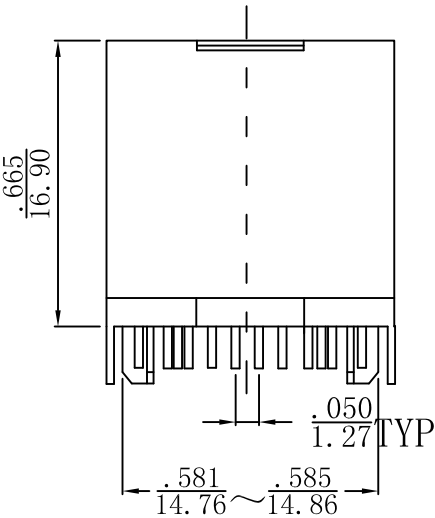
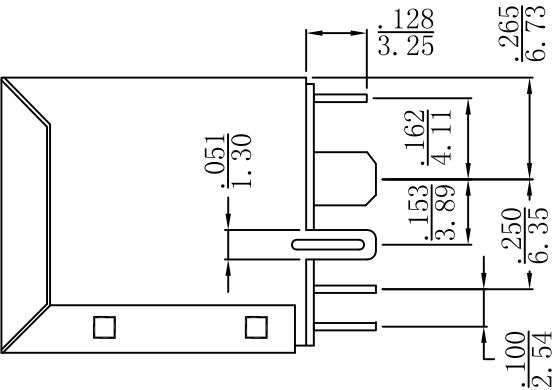
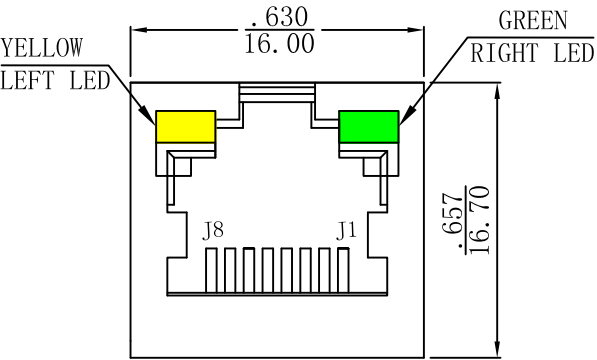
Emitting Color	λ p(nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: Vertical RJ45 Connector With 10/100 Magnetic	
ANGLES	$\pm 1^\circ$	UNIT: Inches/mm	PART NO.: LPJD4013BGNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP14022716

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/02/27	



SUGGESTED PCB LAYOUT (TOP VIEW)

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 UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max, 5 Sec Max.



X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:	TITLE: Vertical RJ45 Connector With 10/100 Magnetic	
X:XXX	±0.05	DR: TOM		
ANGLES	±1°	UNIT: Inches/mm	PART NO.: LPJD4013BGNL	
		SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: LP14022716