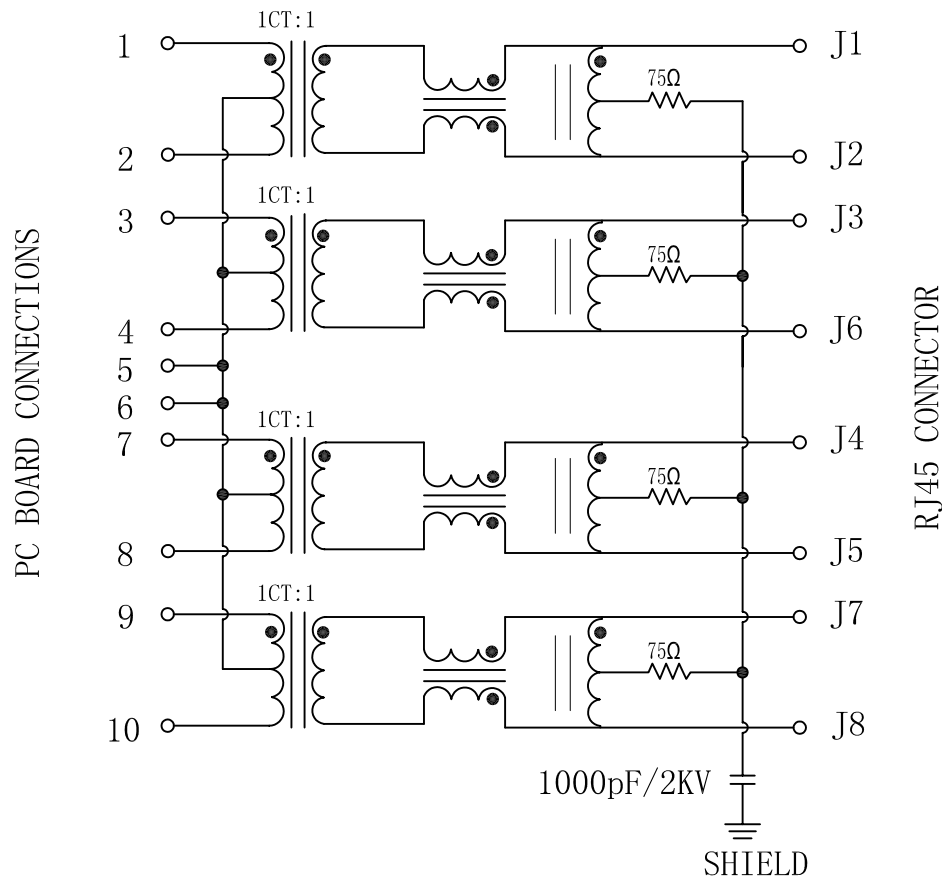


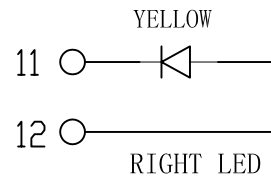
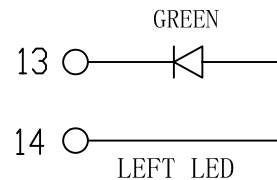
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		09/01/2009	



Electrical Specifications @25°C

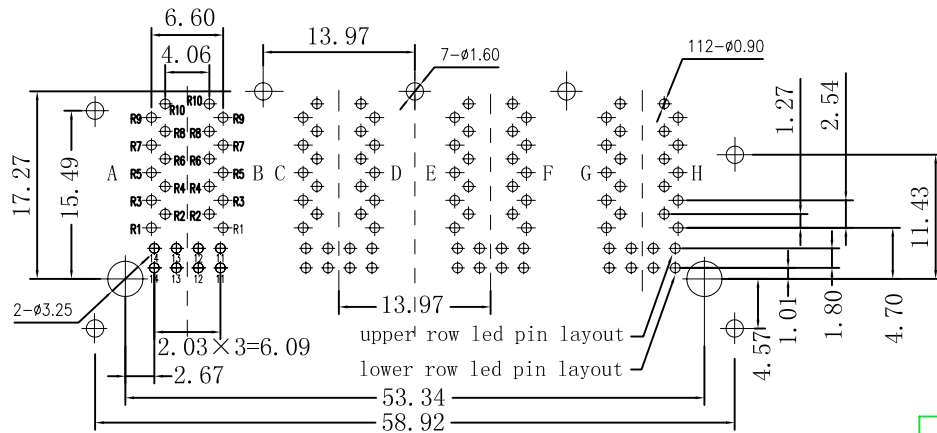
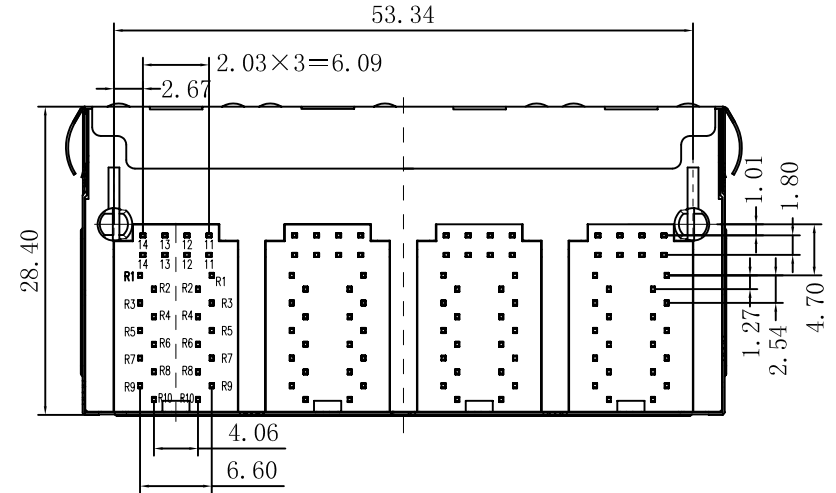
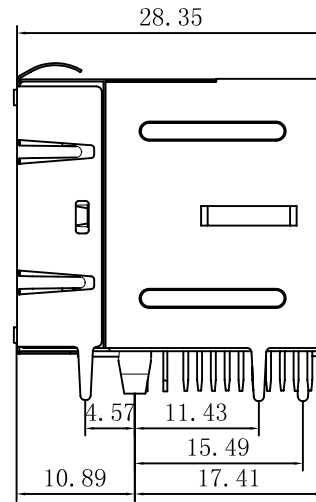
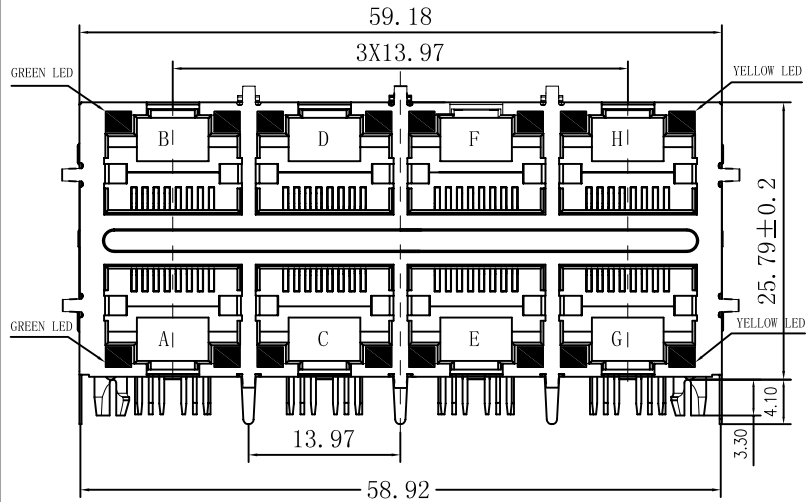
- Turns Ratio: 1CT : 1
- Inductance(100KHz, 0. 1V, 8mA DC BIAS):
350uH MIN
- Transmitter & Receiver filter
Insertion Loss:
1~100MHz:-1.0dB MAX
Return Loss:
1~30MHz:-18dB MIN. load 100Ω
30~60MHz:-16dB MIN. load 100Ω
60~80MHz:-12dB MIN. load 100Ω
80~100MHz:-10dB MIN. load 100Ω
- Crosstalk:
1~100MHz:-25dB MIN
- Common Mode Rejection:
1~100MHz:-30dB MIN
- HiPot Test: 1500Vac, 60sec
- Operating Temperature Range: 0°C TO +70°C.



X:X	±0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.10	CHKD:	
X:XXX	±0.05	DR: TOM	Title: RJ45 .Transformer. 1000 Base-T . 2×4
ANGLES	±1°	UNIT: mm	PART NO. : LPJG47503AHNL
	SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO. : LP10010905

Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		09/01/2010	



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
 Wave solder tip temperature time: 5 Sec Max



X:X	±0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.10	CHKD:	
X:XXX	±0.05	DR: TOM	Title: RJ45 .Transformer. 1000 Base-T . 2x4
ANGLES	±1°	UNIT: mm	PART NO. : LPJG47503AHNL
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO. : LP10010905