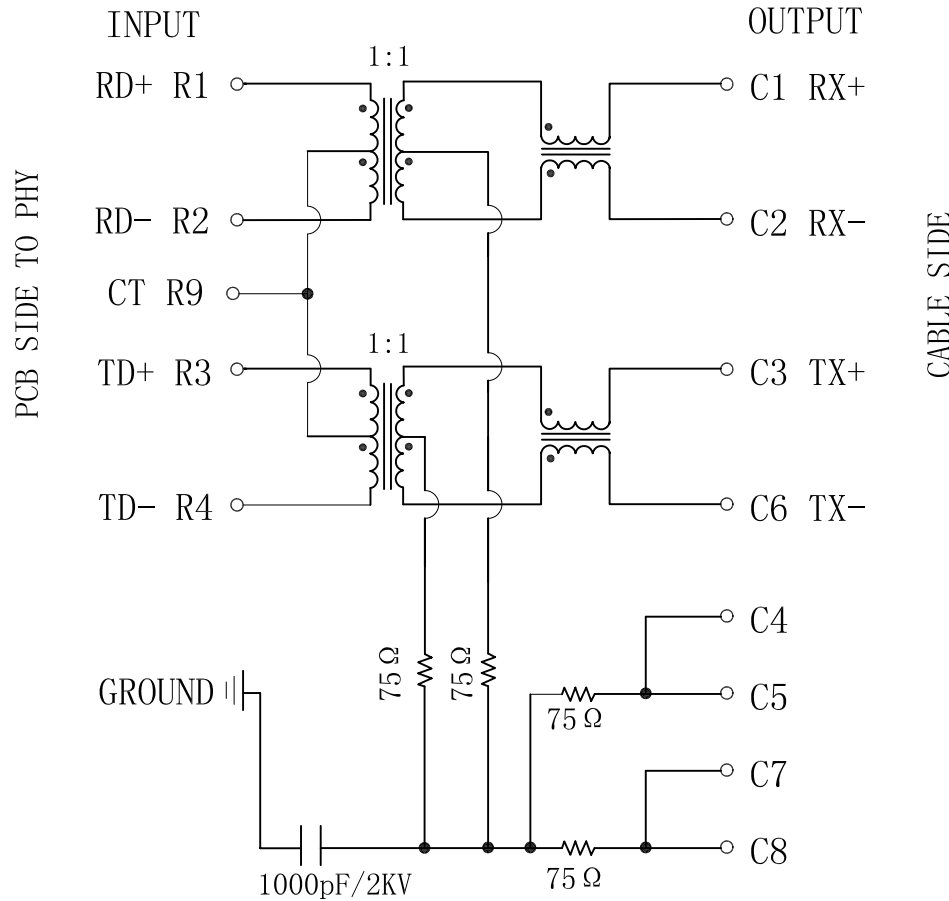


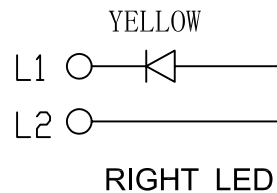
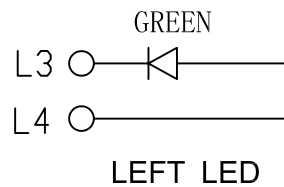
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		24/12/2008	



Electrical Specifications:

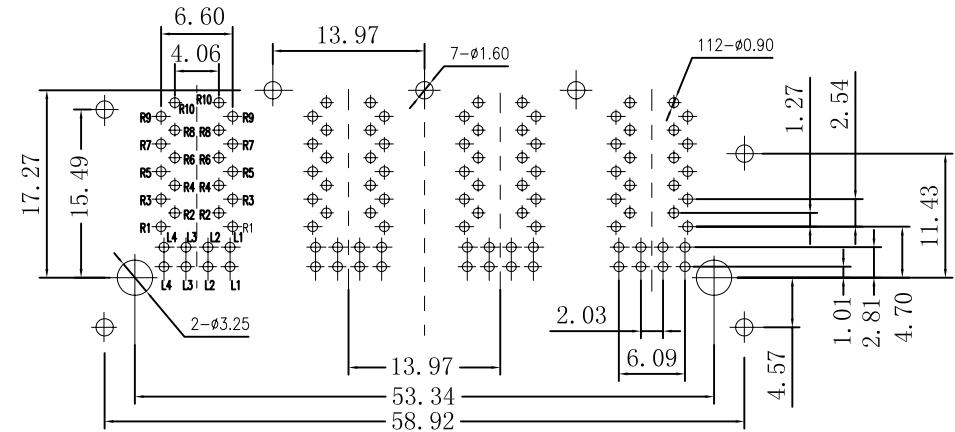
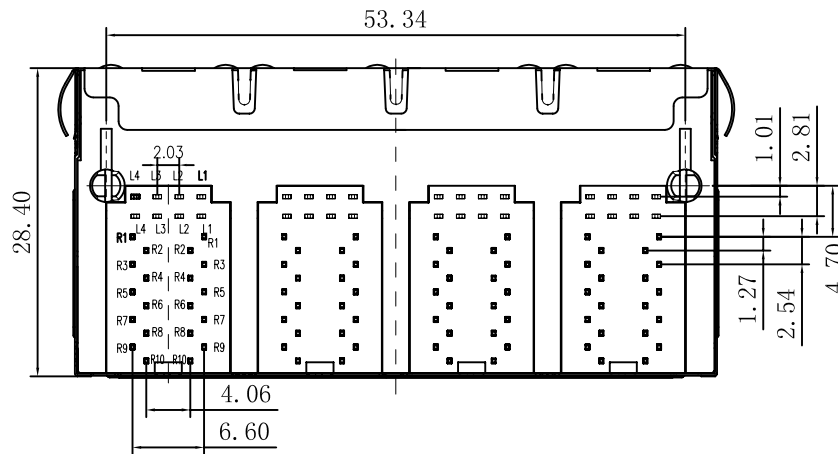
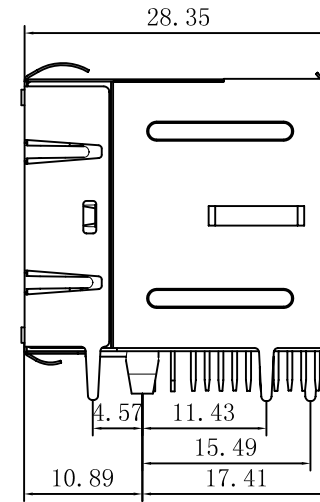
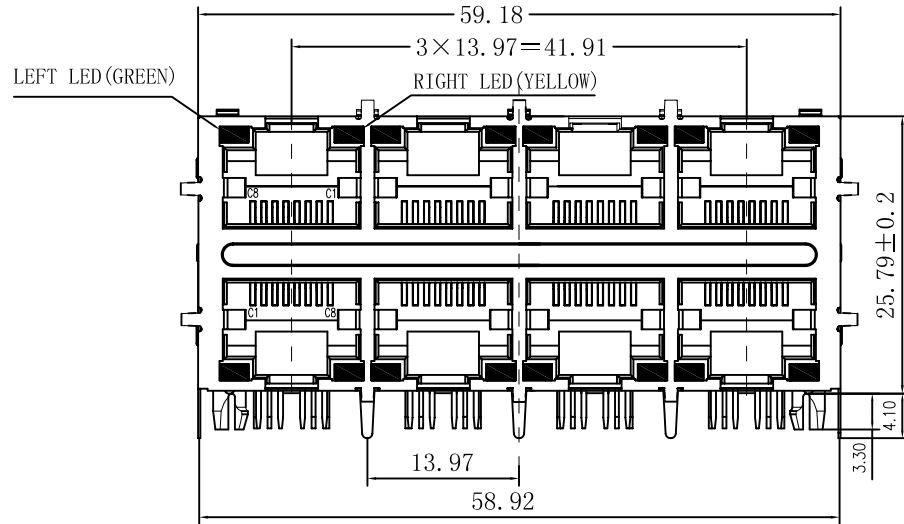
- Transmitter filter & Receiver filter
Type: Balance low pass 100Ω impedance
Insertion Loss:
1-100MHz: -1.0dB MAX
Return Loss:
1-30MHz: -18dB MIN. load 100Ω
30-60MHz: -16dB MIN. load 100Ω
60-80MHz: -12dB MIN. load 100Ω
- Turns Ratio: TX=1:1 RX=1:1
- Inductance @ 100KHz, 0.1V, 8mA DC BIAS
Input (R1-R2), Input (R3-R4): 350uH MIN
- Crosstalk: 1-100MHz: -30dB MIN
- CMR: 1-100MHz: -30dB MIN
- Hipot:
Input (R1-R2) to Output (C1-C2): 1500VAC, 60sec
Input (R3-R4) to Output (C3-C6): 1500VAC, 60sec
Output (C1-C2), Output (C3-C6) to Shell: 2500VAC, 5sec.



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. 10/100 Base-T W/LED. 2×4
ANGLES	±1°	UNIT: mm	PART NO.: LPJ47408AHNL
	SCALE: 2/1	SHEET: 1/2	REV: A DWG NO.: LP08122405

Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		24/12/2008	



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.10/100 Base-T W/LED.2×4
ANGLES	±1°	UNIT: mm	PART NO.: LPJ47408AHNL
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: LP08122405