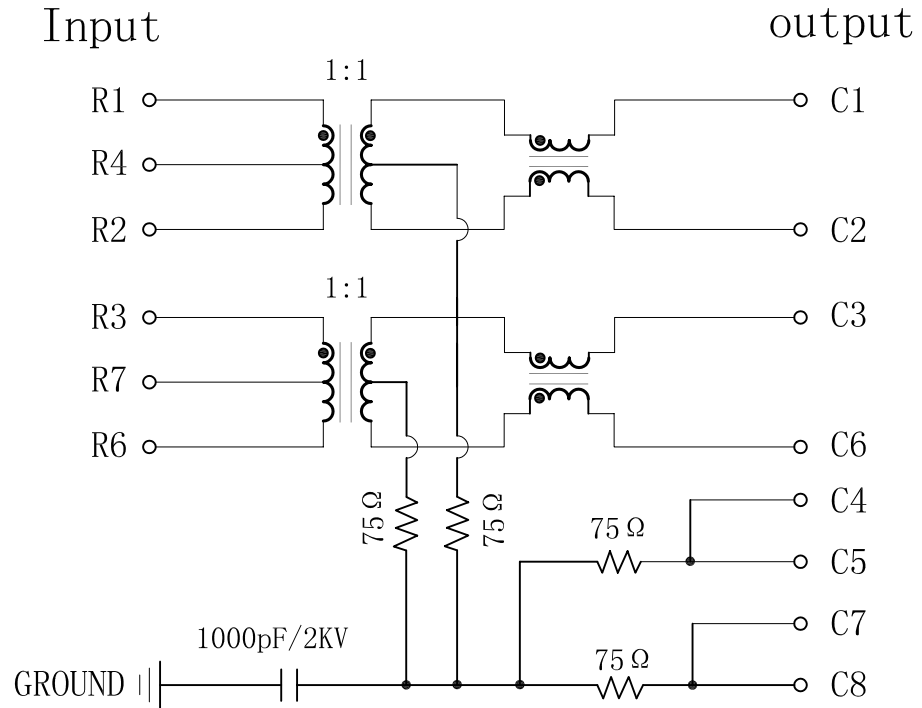


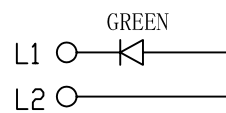
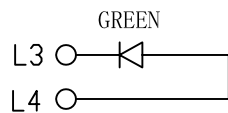
# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		03/07/2009	



## Electrical Specifications:

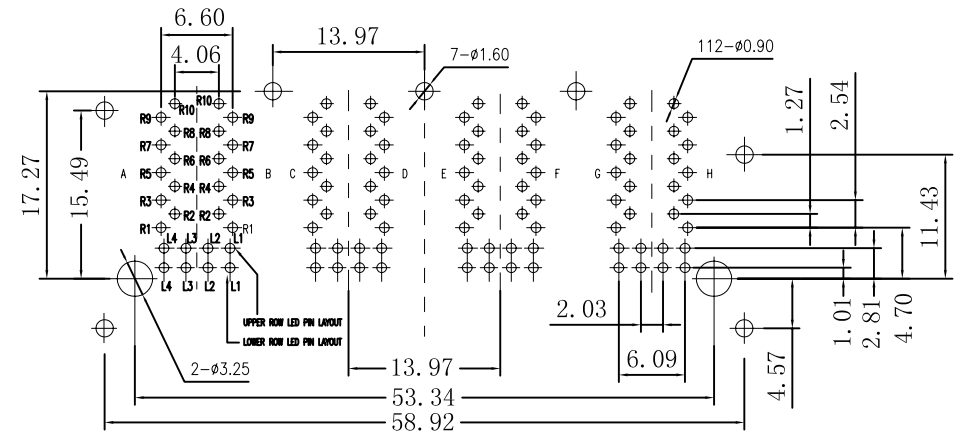
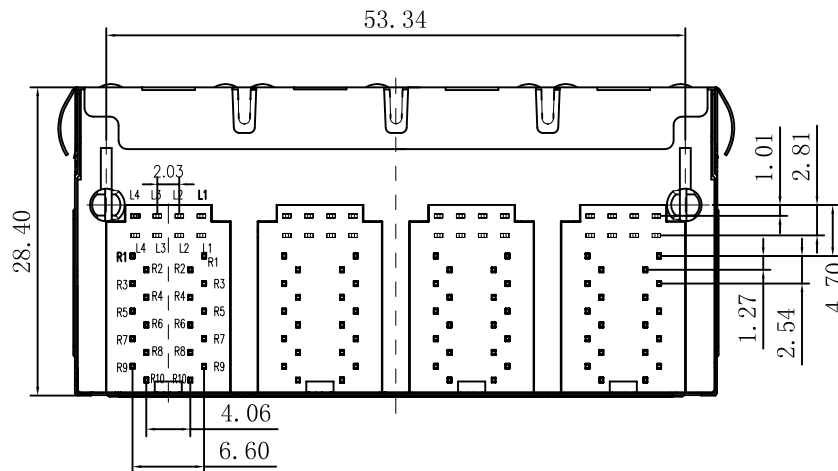
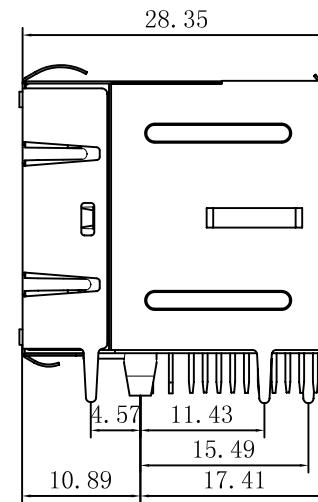
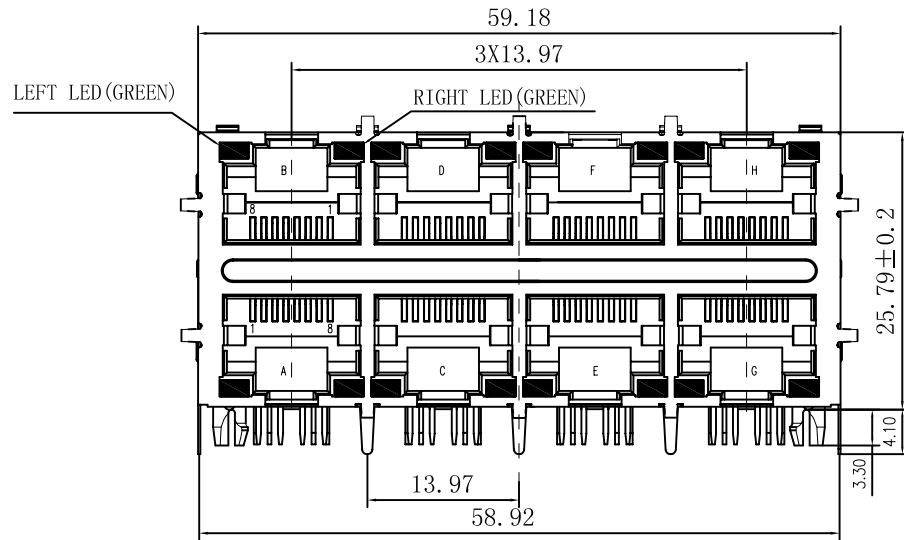
- Transmitter filter & Receiver filter  
Type: Balance low pass  $100\Omega$  impedance  
Insertion Loss:  
1-100MHz: -1.0dB MAX  
Return Loss:  
1-30MHz: -18dB MIN. load  $100\Omega$   
30-60MHz: -16dB MIN. load  $100\Omega$   
60-80MHz: -12dB MIN. load  $100\Omega$
- Turns Ratio: 1:1
- Inductance @ 100KHz, 0.1V, 8mA DC BIAS  
Input (R1-R2), Input (R3-R6) :  $350\mu\text{H}$  MIN
- Crosstalk: 1-100MHz: -30dB MIN
- CMR: 1-100MHz: -30dB MIN
- HI-POT TEST:  
Input (R1-R2) to Output (C1-C2) : 1500VAC, 60sec  
Input (R3-R6) to Output (C3-C6) : 1500VAC, 60sec.



X:X	$\pm 0.20$	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	$\pm 0.10$	CHKD:	
X:XXX	$\pm 0.05$	DR: TOM	Title: RJ45 .Transformer. 10/100 Base-T W/LED. 2x4
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJ47403AWN
	SCALE: 2/1	SHEET: 1/2	REV: A DWG NO. : LP09070301

# Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		03/07/2009	



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.



X:X	±0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.10	CHKD:	
X:XXX	±0.05	DR: TOM	
ANGLES	±1°	UNIT: mm	Title: RJ45 .Transformer.10/100 Base-T W/LED.2×4
			PART NO. : LPJ47403AWN
SCALE: 2/1		SHEET: 2/2	REV: A
		DWG NO. : LP09070301	