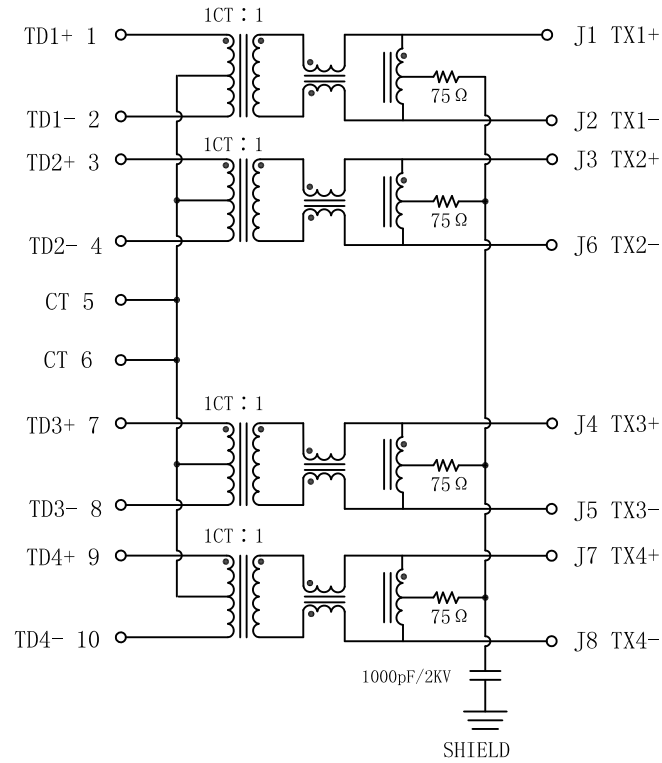


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012-11-07	

PCB CONNECTIONS



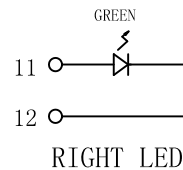
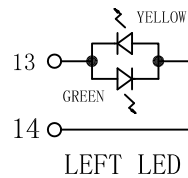
RJ45 CONNECTOR

### Electrical Specifications @25°C

- Turns Ratio ( $\pm 2\%$ ) :  
Pri : Sec = 1CT : 1CT
- OCL: 350uH Min  
@100KHz, 100mV, 8mA bias current
- Insertion Loss:  
0.1-0.9MHz: -1.0dB Max  
0.9-100MHz: -1.1dB Max
- Return Loss (dB Min):  
0.1-15MHz: -18      15-60MHz: -16  
60-80MHz: -15      80-100MHz: -12
- Crosstalk (dB Min):  
0.1-0.9MHz: -43      1-15MHz: -35  
15-30MHz: -26      30-100MHz: -24
- Common Mode Rejection:  
0.1-30MHz: -46dB Min  
30-100MHz: -42dB Min
- Isolation Voltage: 1500Vrms
- Operating Temperature: 0°C ~ 70°C.



Emitting Color	$\lambda_p$ (nm)	V <sub>F</sub> @I <sub>F</sub> =20mA	I <sub>R</sub> @V <sub>R</sub> =5V
GREEN	565	1.8~2.6V	10 $\mu$ A max
YELLOW	585	1.8~2.6V	10 $\mu$ A max



X:X	$\pm 0.30$	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	$\pm 0.25$	CHKD:	
X:XXX	$\pm 0.05$	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJG16505A52NL
	SCALE: 2/1	SHEET: 1/2	REV: A      DWG NO.: LP112110701

