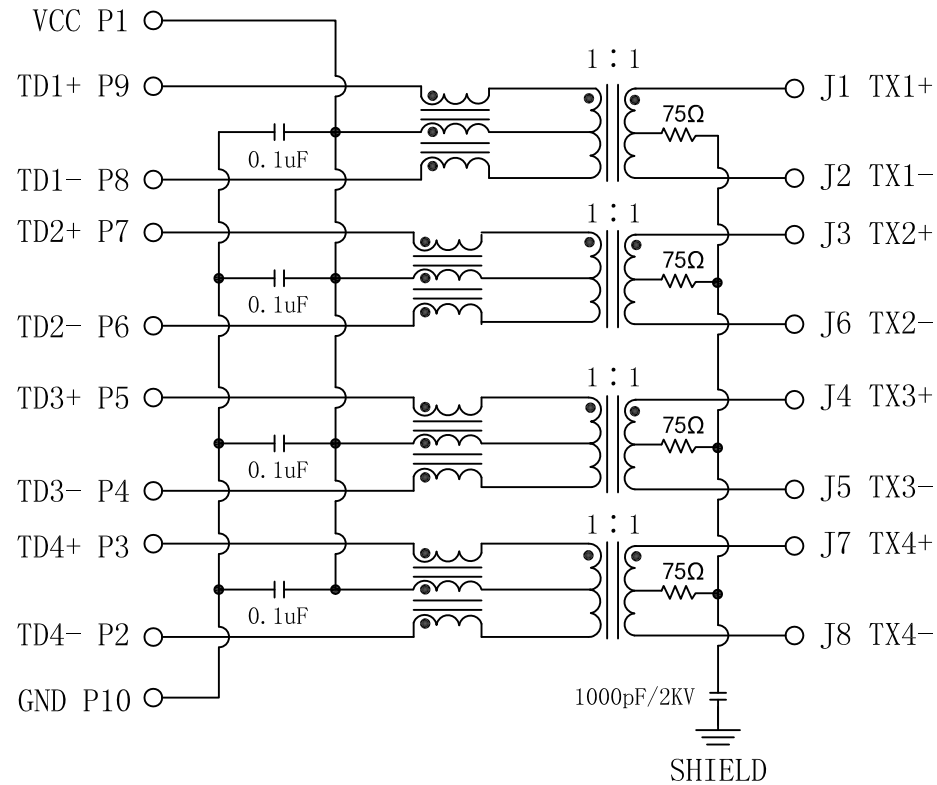


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/08/06	

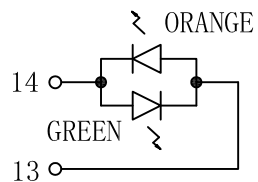
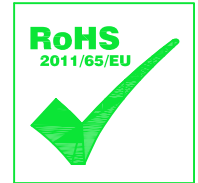
PCB CONNECTOR



RJ45 CONNECTOR

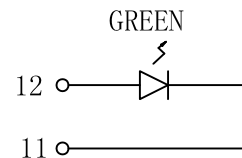
## Electrical Specifications @25°C

- Turns Ratio ( $\pm 3\%$ ) :  
1CT:1CT
- Insertion Loss:  
1-100MHz: -1.0dB Max
- Return Loss:  
1-30MHz: -18dB Min @100  $\Omega$   
30-60MHz: -16dB Min @100  $\Omega$   
60-80MHz: -12dB Min @100  $\Omega$   
80-100MHz: -10dB Min @100  $\Omega$
- Crosstalk:  
1-100MHz: -30dB Min
- Common Mode Rejection:  
1-100MHz: -30dB Min
- Inductance: 350uH Min  
@100KHz, 0.1V, 8mA DC Bias
- Hi-Pot : 1500Vrms Min
- Operating Temperature: 0°C ~ 70°C.



LEFT LED

LED POLARITY		COLOR
PIN 14	PIN 13	
+	-	GREEN
-	+	ORANGE



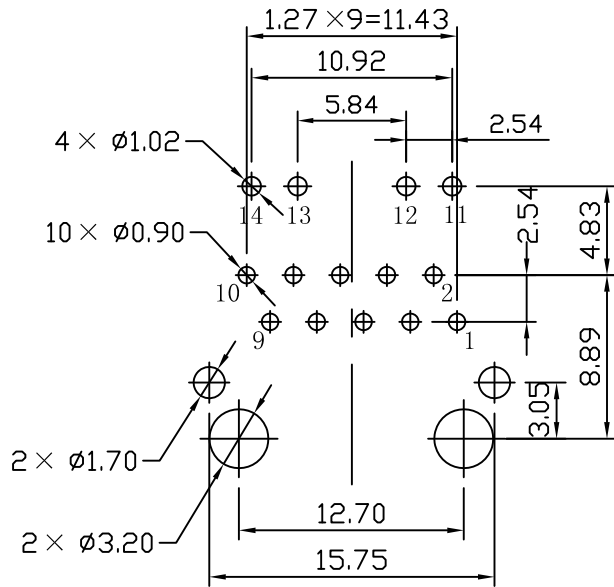
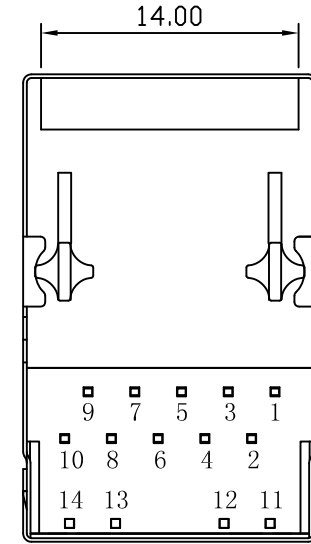
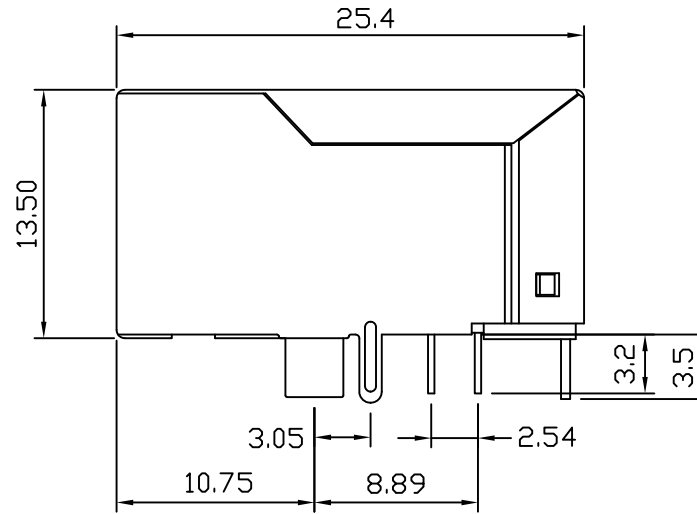
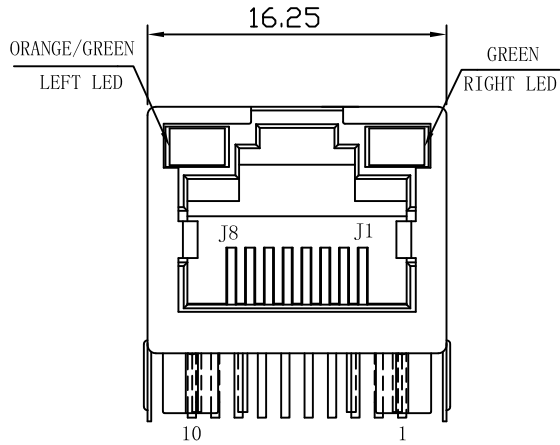
RIGHT LED

LED POLARITY		COLOR
PIN 12	PIN 11	
+	-	GREEN

X:X	$\pm 0.25$	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	$\pm 0.20$	CHKD:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
X:XXX	$\pm 0.05$	DR: TOM	PART NO. : LPJG17391-1B53NL	
ANGLES	$\pm 1^\circ$	UNIT: mm	DWG NO. : LP14080601	
		SCALE: 2/1	SHEET: 1/2	REV: A

# Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/08/06	



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  
 RJ-45 Contact plating: Gold 6 micro-inches min.  
 In contact area  
 USB Contact plating: Gold 6 micro-inches min.
4. Wave solder tip temperature: 265°C MAX  
 Wave solder tip temperature time: 5 Sec MAX.

X:X ±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: LPJG17391-1B53NL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP14080601