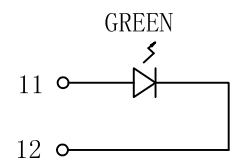
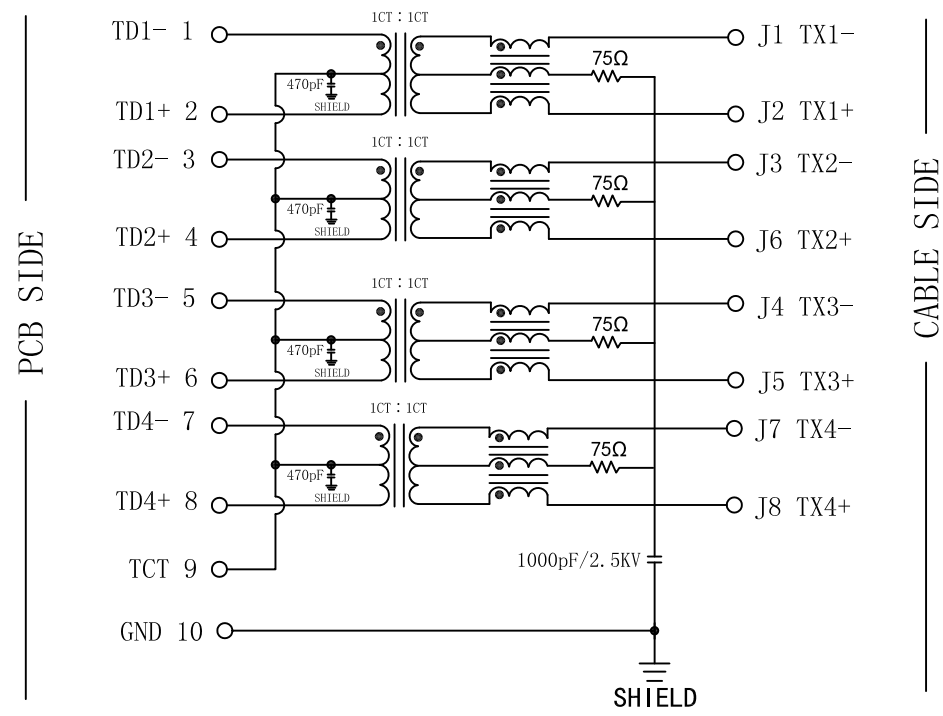
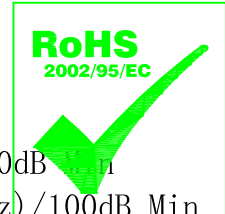


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/01/15	

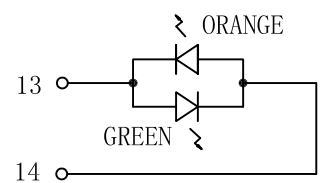
## Electrical Specifications @25°C

- OCL(@100KHz, 100mVrms, 8mA DC Bias):  
350uH Min
- Turns Ratio: 1CT : 1CT ±2%
- Insertion Loss:  
0.1~0.999MHz: -1.0dB Max  
1~60MHz: -0.6dB Max  
60.1~80MHz: -0.8dB Max  
80.1~100MHz: -1.0dB Max  
100.1~125MHz: -2.4dB Max
- Return Loss(dB Min):  
1~40MHz: -18  
40.1~100MHz: -12+20Log(f/80MHz)
- Crosstalk:  
1~10MHz: -50.8+8.8\*(Freq in MHz)/10dB Min  
10~100MHz: -26+16.8\*LOG(Freq in MHz)/100dB Min  
100~375MHz: -26dB Min
- Diff TO CMRR:  
1~29.9MHz: -30dB Typ  
30~500MHz: -26.2dB Typ
- CM TO CMRR:  
1~270MHz: -57+[38\*(Freq in MHz/270)]dB Min  
270.1~300MHz: -17-2\*[(300-Freq in MHz)/30]dB Min  
300.1~500MHz: -17dB Min
- Hi-Pot: 1500Vrms @60Hz
- Operating Temperature: -40°C ~+100°C.



LEFT LED

LED POLARITY		COLOR
PIN 11	PIN 12	
+	-	GREEN



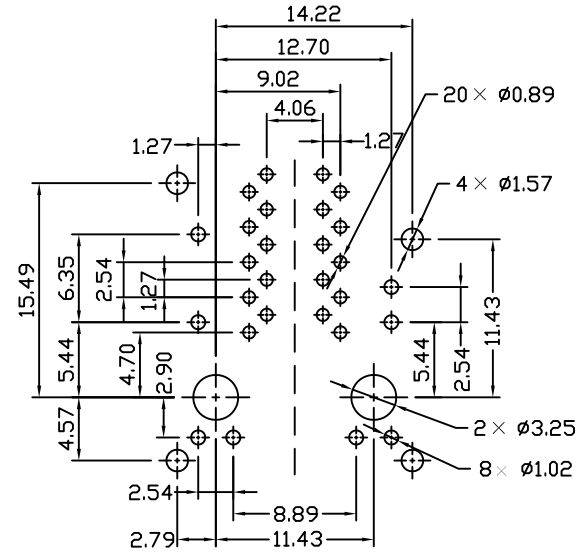
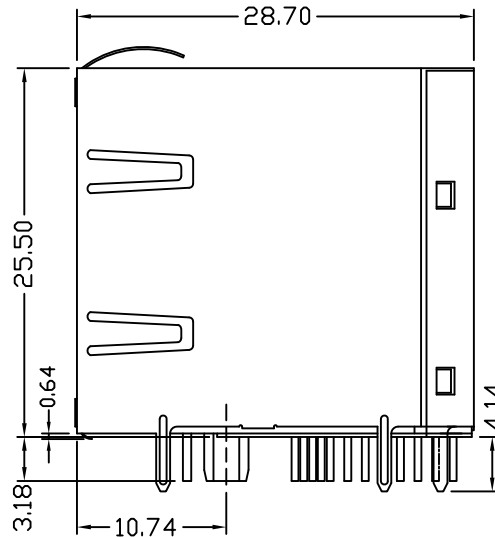
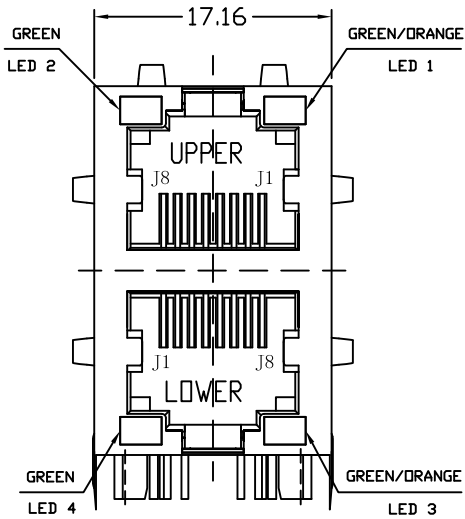
RIGHT LED

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

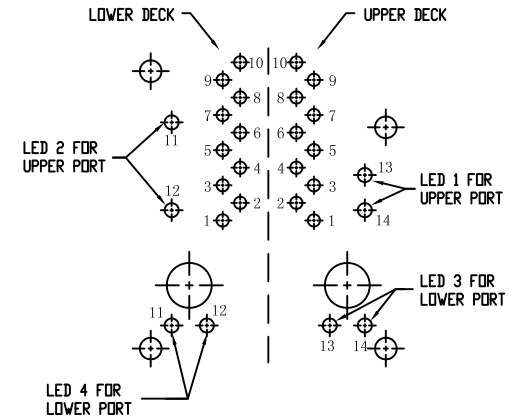
X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector With 1000 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: LPJG17040A27NL
	SCALE: 2/1	SHEET: 1/2
	REV: A	DWG NO.: LP14011501

# Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/01/15	



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 ±0.30	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.: LPJG17040A27NL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP14011501