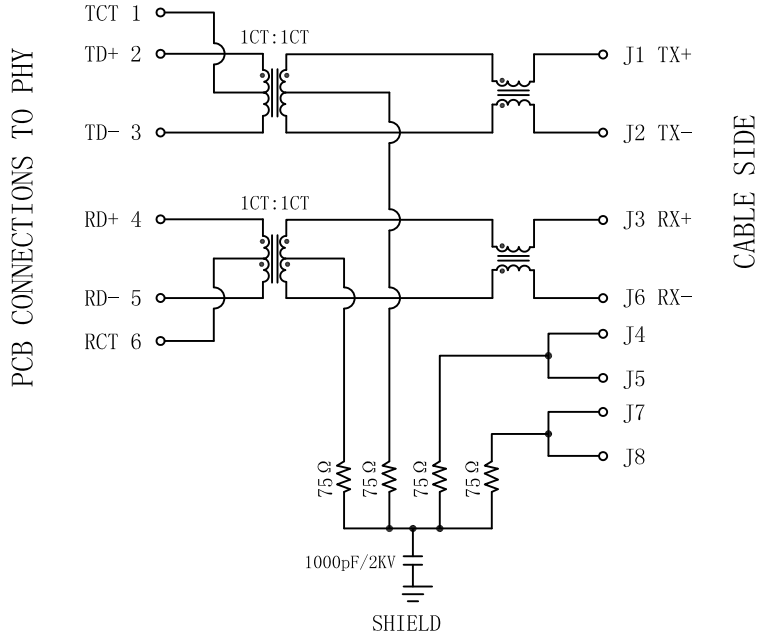


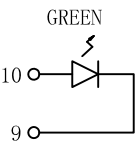
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		13/10/2007	



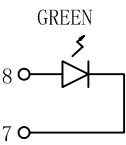
Electrical Specifications @25°C

1. OCL: 350uH MIN
@100KHz/100mVrms 8mA DC Bias
2. Turns Ratio:
TX=1CT:1CT RX=1CT:1CT
3. Insertion Loss:
1~100MHz: -1.0dB MAX
4. Return Loss(dB MIN):
1~30MHz: -18
30~60MHz: -[18+20LOG (F/30MHz)]
60~80MHz: -12
5. Crosstalk(TX - RX):
0.5~1MHz: -70 dB MIN
10MHz: -50 dB MIN
30MHz: -45 dB MIN
50MHz: -40 dB MIN
100MHz: -35 dB MIN
6. CM To CM REJ:
0.1~1MHz: -70 dB MIN
10MHz: -47 dB MIN
30MHz: -42 dB MIN
60MHz: -37 dB MIN
100MHz: -30 dB MIN
7. CM To DM REJ:
0.1~1MHz: -70 dB MIN
10MHz: -60 dB MIN
30MHz: -50 dB MIN
60MHz: -45 dB MIN
100MHz: -40 dB MIN
8. Hipot:1500Vrms
9. Operating Temperature: 0°C~70°C.



RIGHT LED

LED POLARITY		COLOR
PIN 10	PIN 9	
+	-	GREEN



RIGHT LED

LED POLARITY		COLOR
PIN 8	PIN 7	
+	-	GREEN

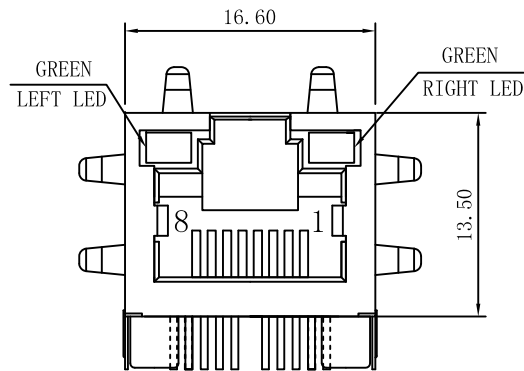


Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max

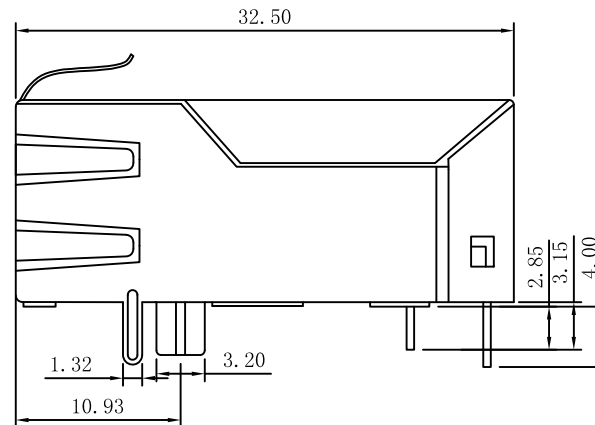
X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetic	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJK0005AWN	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.:

Mechanical:

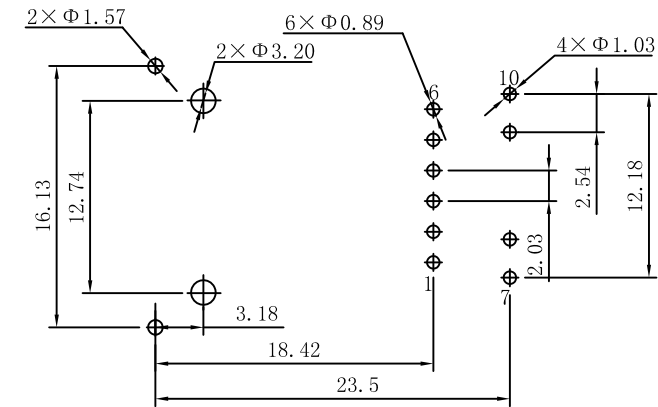
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		13/10/2007	



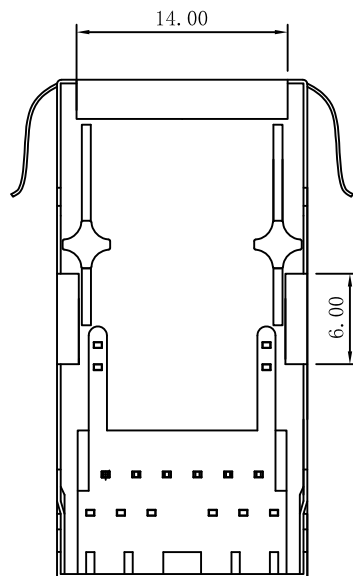
Front Side View



Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side 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, 5 Sec Max.

X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetic	
ANGLES	±1°	UNIT: mm	PART NO.: LPJK0005AWN	
SCALE: 2/1		SHEET: 2/2	REV: A	DWG NO.: