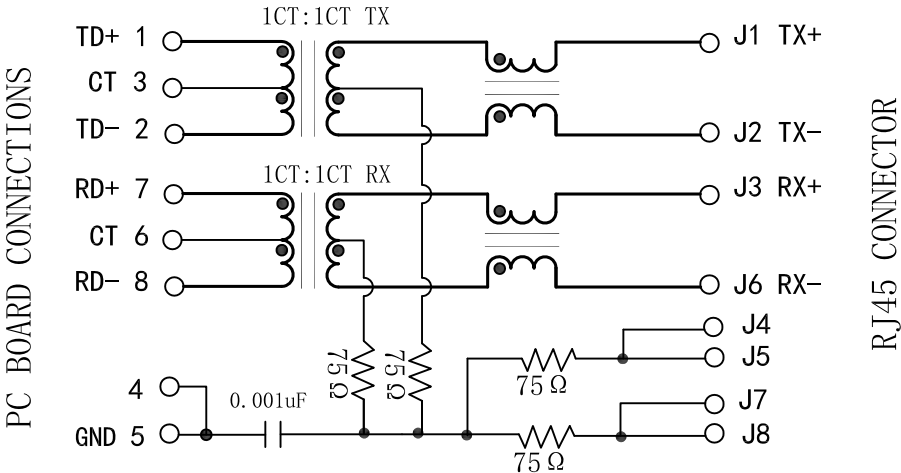


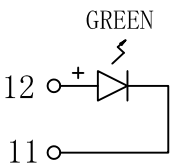
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-04-15	

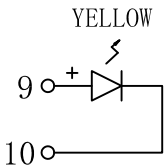


Electrical Specification:

- TEST NOTES (25±5°C)
1. TR: (@100KHz, 0. 1V) ;
TX=1CT:1CT ±3% RX=1CT:1CT ±3%
 2. OCL (@100KHz, 100mV, 8mA, DC Bias) :
PINS: (P1, P2) , (P7, P8)=350uH MIN
 3. HIPOT:
PINS (P1, P3, P2) TO (J1, J2)=1500VAC FOR 60 SECONDS
PINS (P7, P6, P8) TO (J3, J6)=1500VAC FOR 60 SECONDS
 4. INSERTION LOSS:
-1. 0dB MAX @1. 0MHz TO 65MHz
 5. RETURN LOSS:
-20dB MIN @1MHz TO 10MHz
-16dB MIN @10MHz TO 30MHz
-12dB MIN @30MHz TO 60MHz
-10dB MIN @ 0MHz TO 100MHz
 6. CROSS TALK:
-40dB MIN @1MHz TO 30MHz
-35dB MIN @30MHz TO 60MHz
-30dB MIN @60MHz TO 100MHz
 7. COMMON TO COMMON MODE REJECTION:
-30dB MIN @1MHz TO 50MHz
-20dB MIN @50MHz TO 150MHz
 8. OPERATING TEMPERATURE: 0°C~70°C.



LEFT LED



RIGHT LED

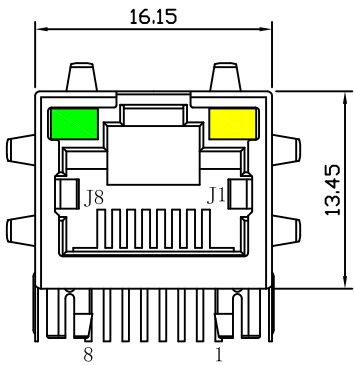
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



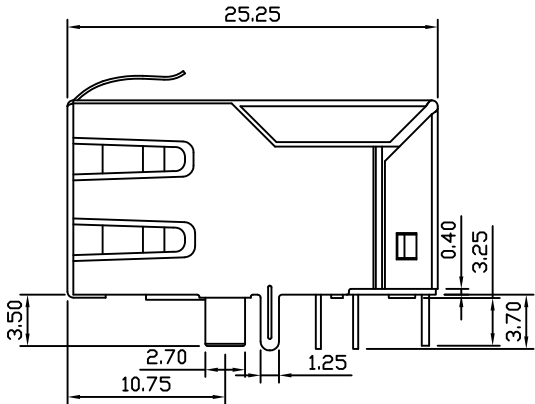
X:X	±0. 30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0. 25	CHKD:		
X:XXX	±0. 05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO. : LPJ1011ABNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP10041516

Mechanical:

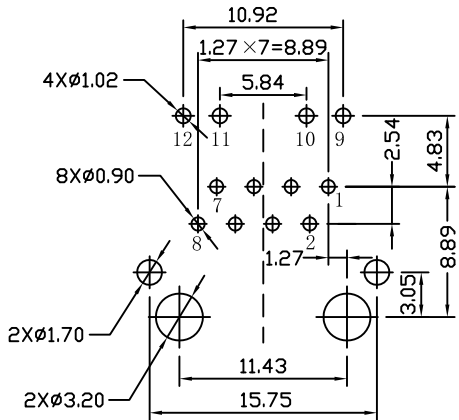
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-04-15	



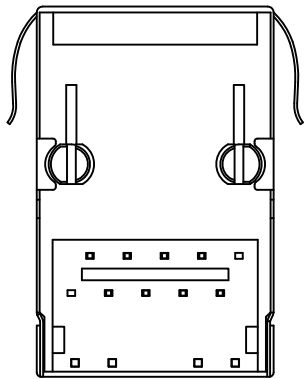
Front Side View



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 LCP UL94V-0
Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
Pins: Brass C2680R-H Thickness=0.35mm
Shield: SUS 201-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min. In contact area.
4. Maximum reflow temperature is 260°C , 5 Sec.

X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX	±0.25	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
X:XXX	±0.05	DR: TOM			
ANGLES	±1°	UNIT: mm	PART NO.: LPJ1011ABNL		
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10041516