

Schematic:

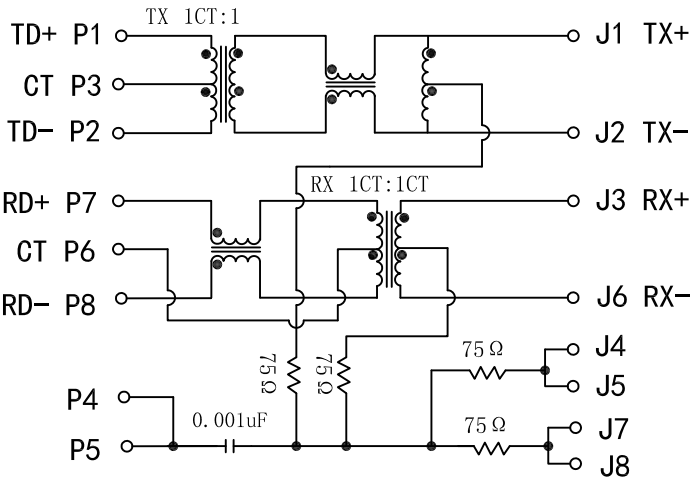
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2007-06-08	

ELECTRICAL SPECIFICATIONS @25℃

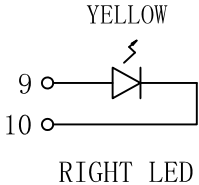
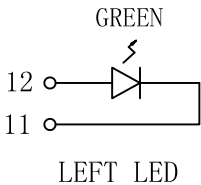
- 1.Turn Ratio:
TX=1CT : 1RX=1CT : 1CT
2. Inductance OCL: 350uH MIN
@100KHz 0.1V 8mA DC Bias
3. Insertion Loss:
-1.0dB TYP @1-65MHz
4. Return Loss(dB TYP @100Ω±15Ω) :
-20dB TYP @1-10MHz
-16dB TYP @10-30MHz
-12dB TYP @30-60MHz
-10dB TYP @60-100MHz
5. Cross talk:
-40dB TYP @1-30MHz
-35dB TYP @30-60MHz
-30dB TYP @60-100MHz
6. Common Mode Rejection:
-30dB TYP @1-50MHz
-20dB TYP @50-150MHz
7. Hipot Test: 1500Vrms @60Hz
8. Operating Temperature Range: 0℃ TO 70℃



PC BOARD CONNECTIONS



RJ45 CONNECTOR

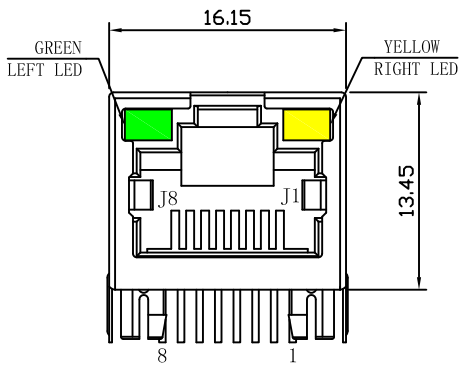


Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
Green	570	1.8~2.6V	10 μ A max
Yellow	590	1.8~2.6V	10 μ A max

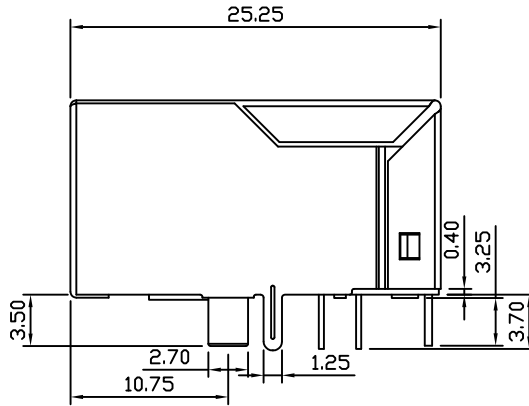
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO. : LPJ1026BBNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP07060823

Mechanical:

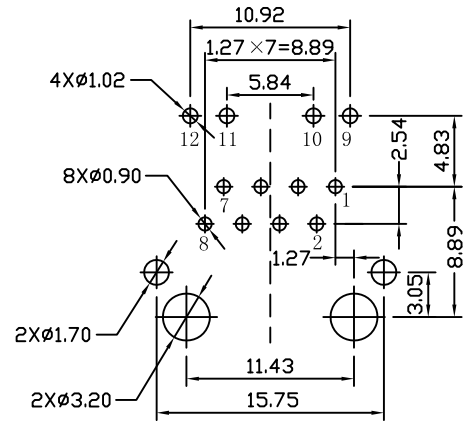
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Front Side View



Left Side View

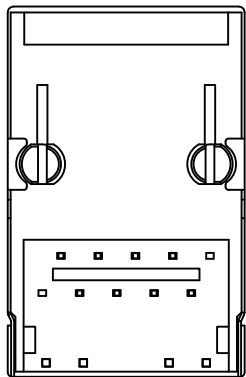


Suggested PCB Layout (Top View)

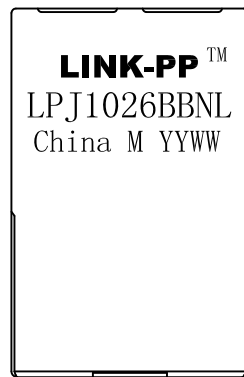


NOTES:

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 PBT+30%G.F 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. Wave solder tip temperature: 265°C Max, 5 Sec Max.



Bottom Side View



Top Side View

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. : LPJ1026BBNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO. : LP07060823	