

## LPJ4011BBNL

Link-PP Intl Technology

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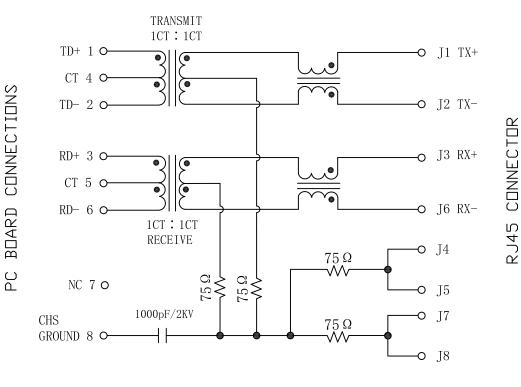
# **Company Address**

Arrow Electronics, Inc 9201 East Dry Creek Road Centennial, CO 80112

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REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		17/07/2008	



### ELECTRICAL SPECFICATIONS: @25°C

1. Turn Ratio  $(\pm 2\%)$ :

TX=1CT:1CT RX=1CT:1CT

2. Inductance OCL: 350uH MIN @100KHz O.1V 8mA DC Bias

3. Insertion Loss:

-1.0dB MAX @ 1.0-100MHz

4. Return Loss:

-18dB MIN @ 1-30MHz

-15dB MIN @ 30-60MHz

-12dB MIN @ 60-80MHz

-10dB MIN @ 80-100MHz

5. Cross talk:

-40dB MIN @ 30MHz

-35dB MIN @ 60MHz

-30dB MIN @ 100MHz

6. Common Mode Rejection:

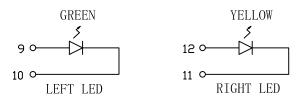
-40dB MIN @ 30MHz

-35dB MIN @ 60MHz

-30dB MIN @ 100MHz

7. Hipot: 1500Vrms

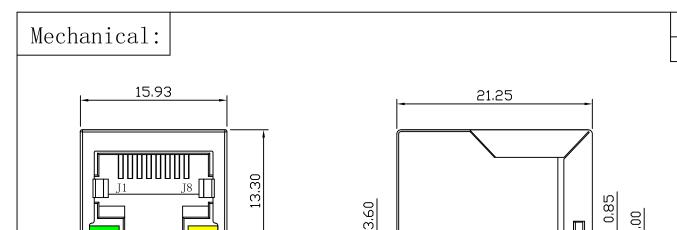
8. Operating Temperature Range: -40℃ TO +85℃.



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



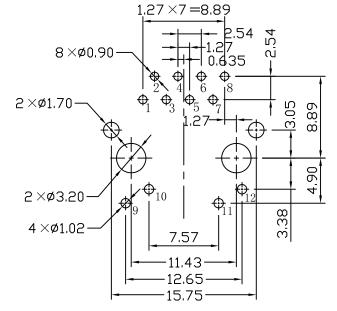
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX	$\pm 0.25$	CHKD:			
X:XXX ±0.05		DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES ±1°		UNIT: mm	PART NO.: LPJ4011BBNL		
⊕∈	SCA	LE: <sub>2/1</sub> SHEET:	1/2 REV: A DWG NO.: LP08121248		



4.00

RoHS 2011/65/EU





Suggested PCB Layout(Top VieW)

#### NOTES:

1.24

3.15

Left Side View

- 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

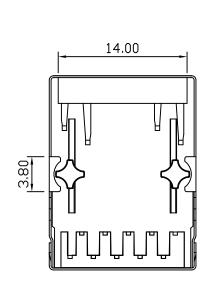
Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm

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℃ Max, 5 Sec.
- 5. UL Certification: File Number E484635.

X:X	+0.30	APPD:			
			LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX	$\pm 0.25$	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T		
X:XXX	$\pm 0.05$	DR: TOM	Integrated Magnetics		
ANGLES	<u>±</u> 1°	UNIT: mm	PART NO.: LPJ4011BBNL		
⊕∈	SCA	LE: <sub>2/1</sub> SHEET:	2/2 REV: A DWG NO.: LP08121248		



Front Side View

Bottow Side View



10.80

Top Side View