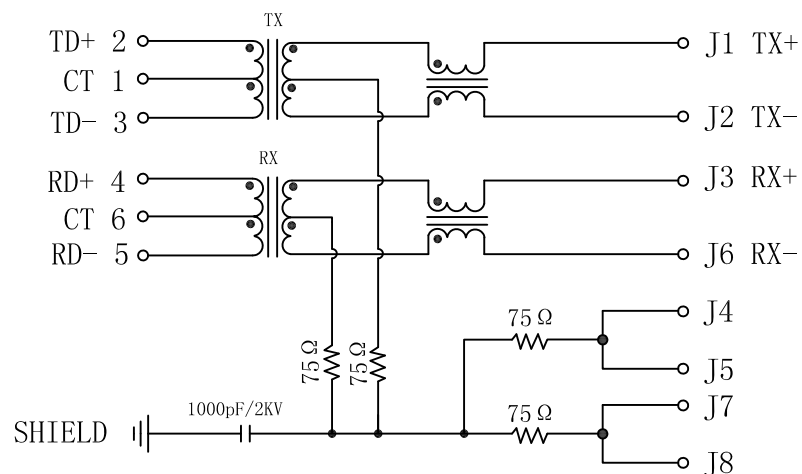


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-03-26	

PC BOARD CONNECTIONS



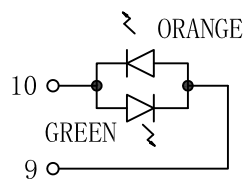
RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

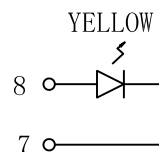
- Turn Ratio($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL:
350uH MIN @ 100KHz 0.1V 8mA DC Bias
- DCR:
1.2 Ω MAX
- Insertion Loss:
-1.0dB MAX @1~100MHz
- Return Loss:
-18dB MIN @1~30MHz
-15dB MIN @30~60MHz
-12dB MIN @60~100MHz
- Cross talk:
-40dB MIN @1~30MHz
-35dB MIN @30~60MHz
-30dB MIN @60~100MHz
- Common Mode Rejection:
-30dB MIN @1~100MHz
- Hipot Test: 1500Vrms
- Operating Temperature Range: -40°C ~+85°C.



Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max
ORANGE	610	1.8~2.6V	10 μ A max



LEFT LED

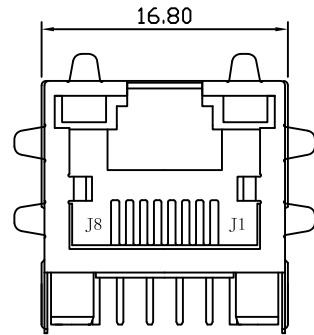


RIGHT LED

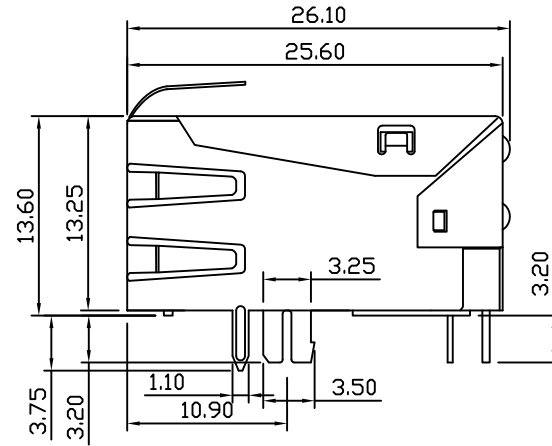
X:X ± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ± 0.25	CHKD:			
X:XXX ± 0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: LPJ9011-7KONL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP14032646

Mechanical:

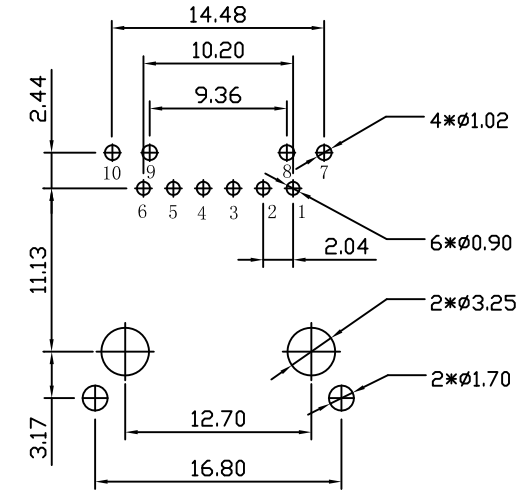
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-03-26	



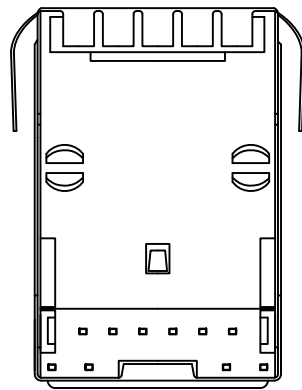
Front Side View



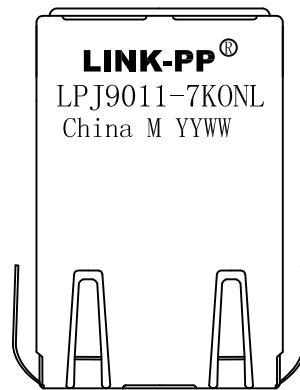
Left Side View



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 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 15U". In contact area.
4. Wave solder tip temperature: 250°C, 5 Sec.
5. UL Certification: File Number E484635.

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.: LPJ9011-7KONL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP14032646