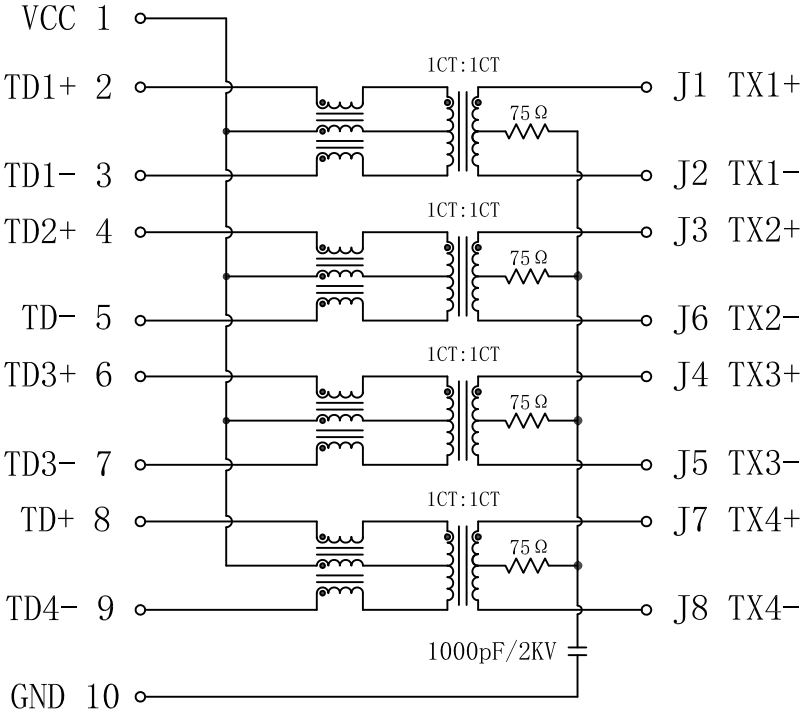


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL			

PCB CONNECTIONS



RJ45 CONNECTOR

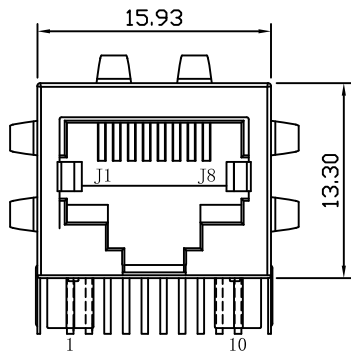
ELECTRICAL SPECIFICATIONS @25°C

- 1. Turn Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- 2. Inductance OCL: 350uH MIN
@100KHz, 0.1V, 8mA DC Bias
- 3. Insertion Loss:
-1.0dB MAX @ 1-100MHz
- 4. Return Loss:
-16dB MIN @ 1-40MHz
-10dB MIN @ 40-100MHz
- 5. Cross talk:
-50dB MIN @ 1MHz
-30dB MIN @ 10-100MHz
- 6. Common Mode Rejection Ratio:
-50dB MIN @ 2MHz
-20dB MIN @ 30-200MHz
- 7. Hipot Test: 1500Vrms MIN
- 8. Operating Temperature Range: 0°C TO 70°C

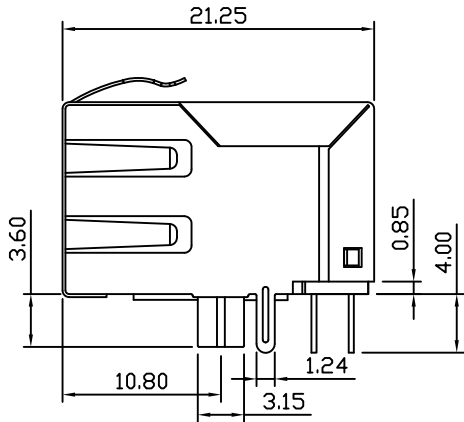


X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJG0887CNL	
		SCALE: 2/1	SHEET: 1/2	REV: A DWG NO. : LP08082526

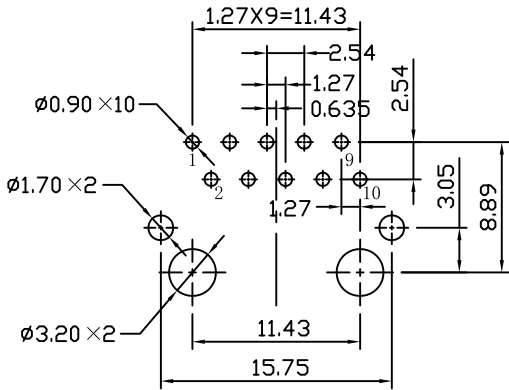
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008-08-25	



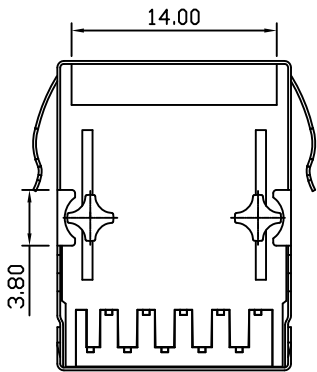
Front Side View



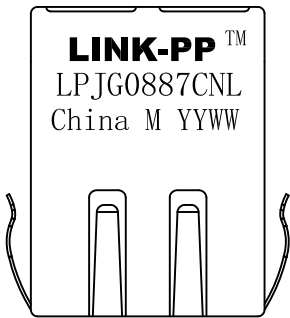
Left Side View



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 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max, 5 Sec Max.
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 1000 Base-T Integrated Magnetics		
ANGLES	±1°	UNIT: mm	PART NO.: LPJG0887CNL		
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP08082526