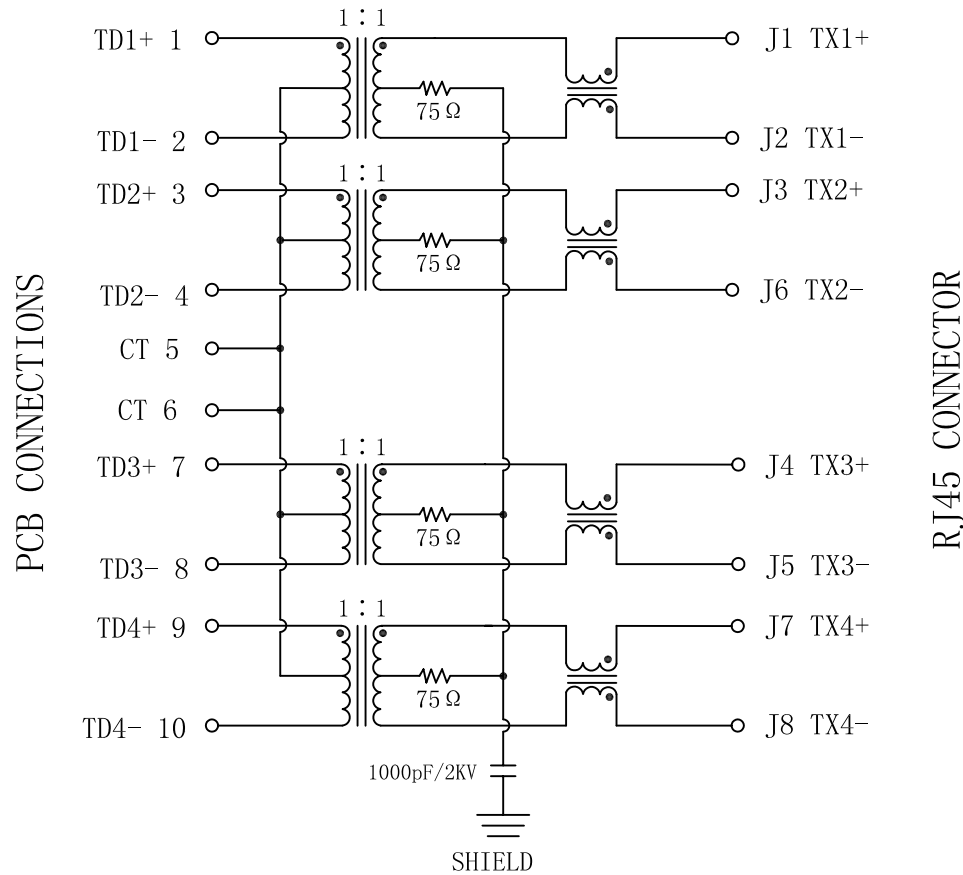


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008/12/03	



Electrical Specifications @ 25°C

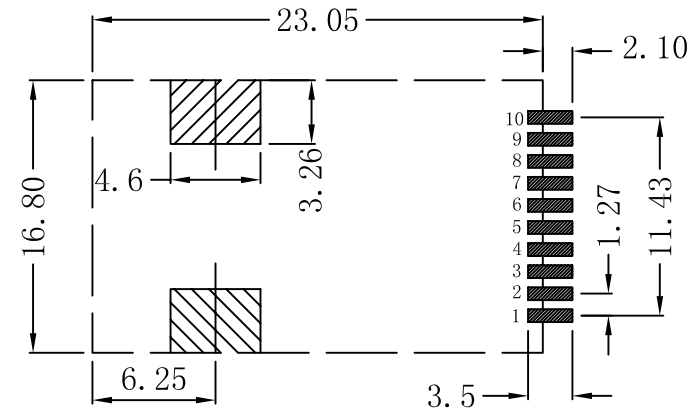
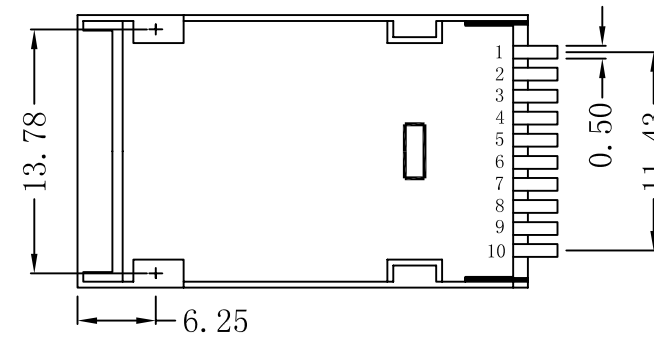
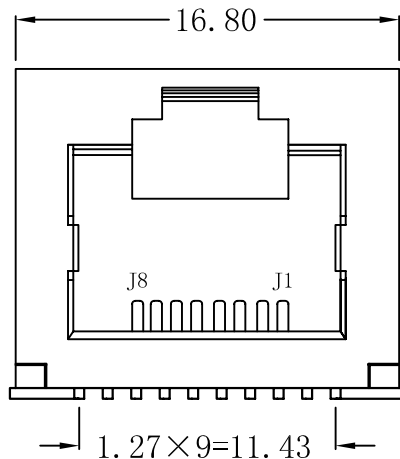
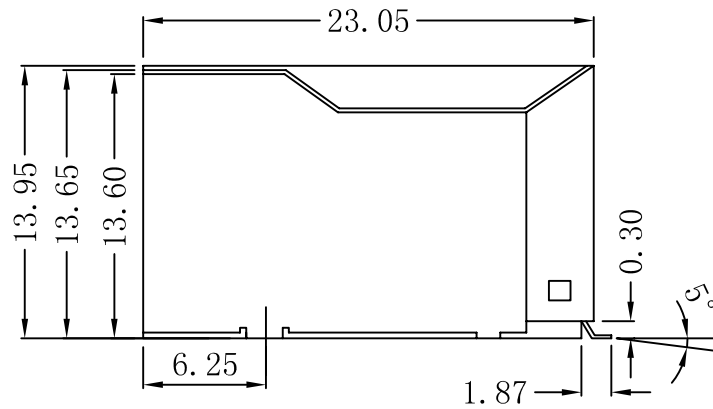
- Turns Ratio ($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- INDUCTANCE (@100KHz, 100mV, 8mA DC BIAS):
J1-J2; J3-J6; J4-J5; J7-J8: 350uH min
- Insertion Loss:
1~100MHz: -1.0dB Max
- Return Loss (dB Min. load 100 Ω):
1~30MHz: -18 30~60MHz: -16
60~80MHz: -12 80~100MHz: -10
- Crosstalk (dB Min):
1~30MHz: -40 30~60MHz: -35
60~100MHz: -30
- Common Mode Rejection (dB Min):
1~50MHz: -40 50~150MHz: -30
- Isolation Voltage: 1500Vrms
- Operating Temperature Range: 0°C ~ 70°C.



X:X	± 0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.10	CHKD:	Title: Surface Mount 1X1 Tab-Up Jack With 10/100/1000 Magnetic	
X:XXX	± 0.05	DR: TOM		
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.:	LPJG19801DNL
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO: LP08120305

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2008/12/03	



SUGGESTED PAD 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 UL94V-0
 Contact/Shield: Copper alloy
 Shield plating: Nickel
 Contact plating: Gold 6 micro-inches min. In contact area.
4. For RoHS part add suffix NL
5. Wave solder tip temperature 260°C Max for 5~10 sec.



X:X	±0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.10	CHKD:		
X:XXX	±0.05	DR: TOM	Title: Surface Mount 1×1 Tab-Up Jack With 10/100/1000 Magnetic	
ANGLES	±1°	UNIT: mm	PART NO.: LPJG19801DNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO: LP08120305