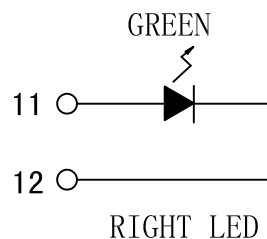
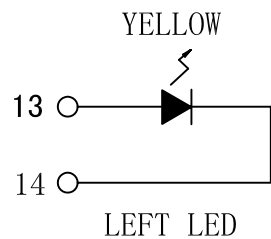
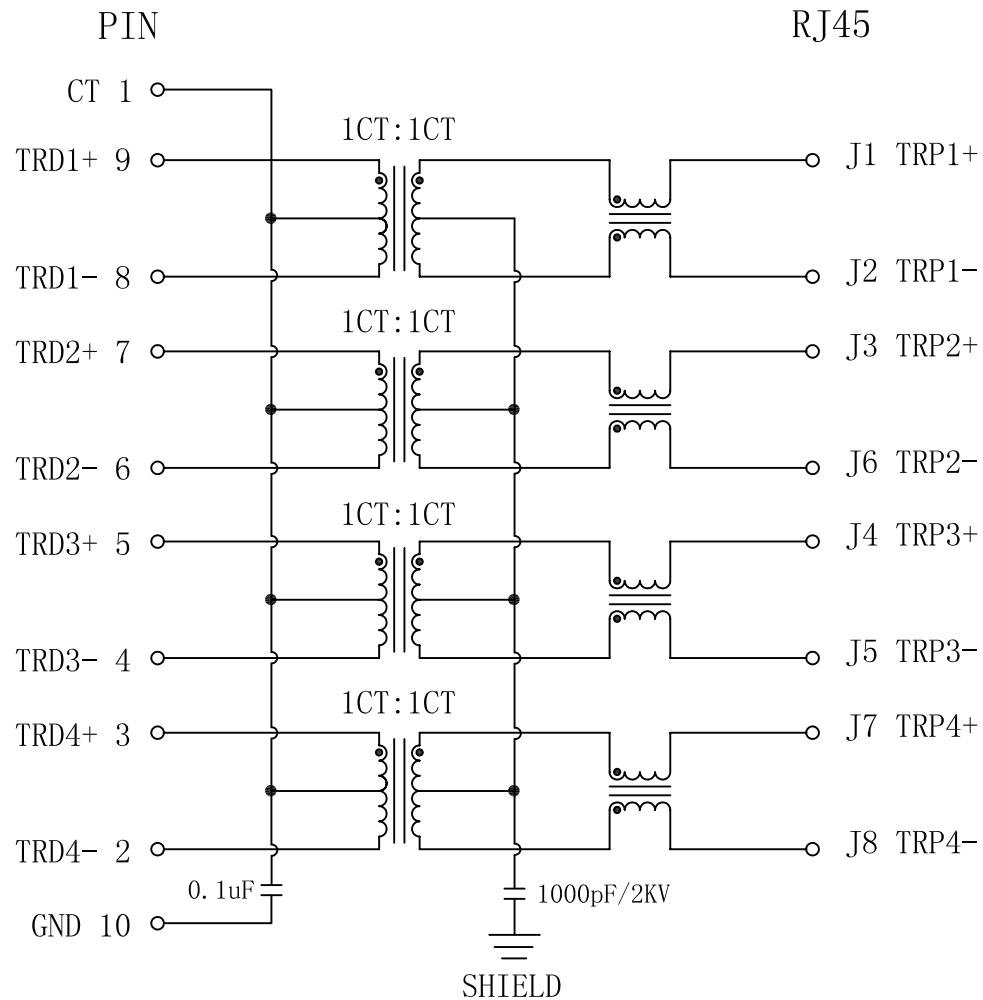


Schematic:



Electronics Specifications @25°C

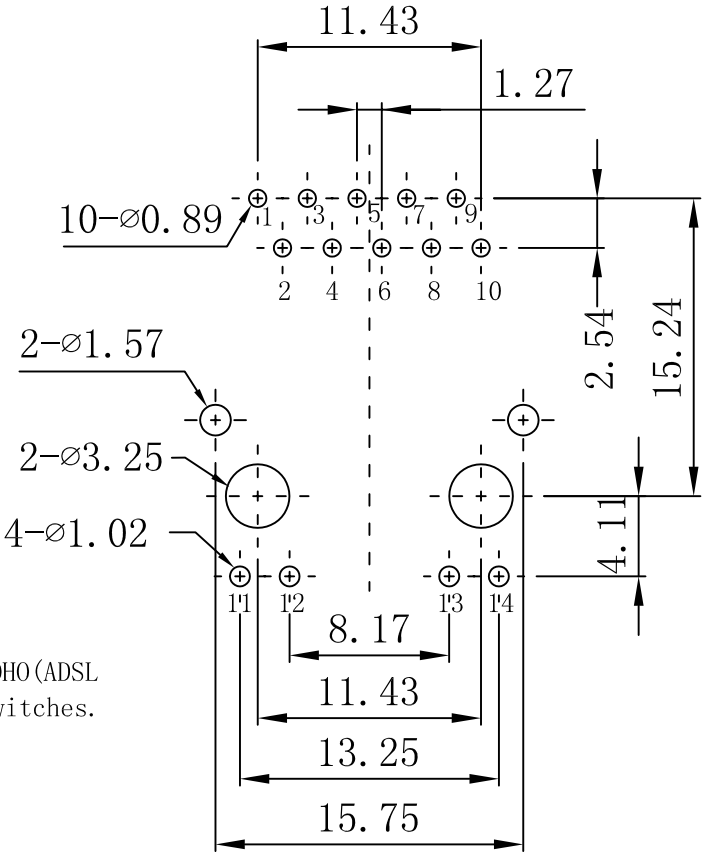
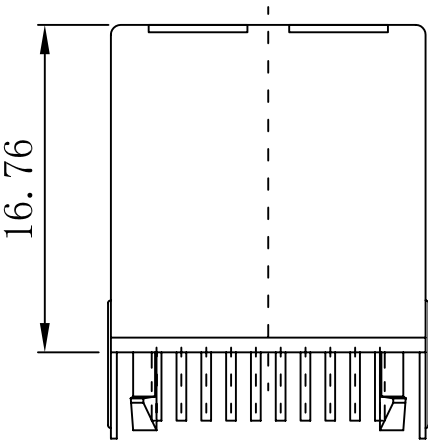
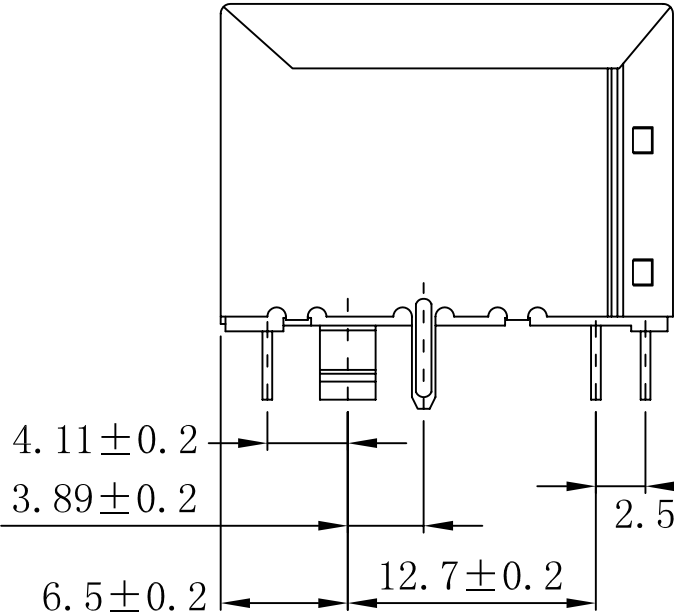
1. TURNS RATIO($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
2. OCL(100KHz, 0.1V, 8mA): 350uH MIN
3. HIPOT(Isolation Voltage): 1500Vrms
4. INSERTION LOSS:
-1.1dB MAX @ 1MHz TO 100MHz
5. RETURN LOSS(100 OHMS $\pm 15\%$):
-18dB MIN @ 1MHz TO 40MHz
-14dB MIN @ 60MHz
-12dB MIN @ 80MHz
-10dB MIN @ 100MHz
6. CROSS TALK:
-40dB MIN @ 1MHz TO 30MHz
-30dB MIN @ 30MHz TO 60MHz
7. CM TO CM REJ:
-20dB MIN @ 1MHz TO 100MHz
8. OPERATING TEMPERATURE RANGE: 0°C ~ +70°C.



X:X	± 0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX	± 0.10	CHKD:			
X:XXX	± 0.05	DR: C. H. Y	Title: Vertical RJ45 Connector With 1000 Magnetic		
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJD0834BDNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP09050507	

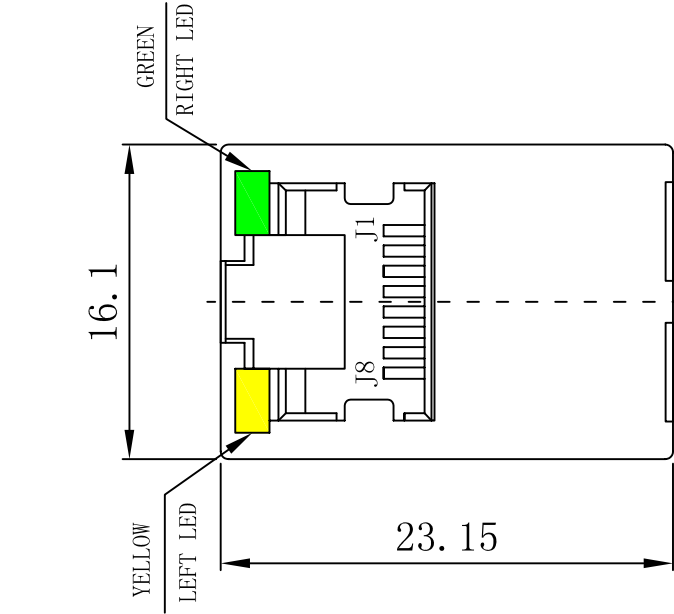
Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		05/05/2009	



- 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. Wave solder tip temperature: 265°C Max
Wave solder tip temperature time: 5 Sec Max

SUGGESTED PCB LAYOUT (TOP VIEW)



X:X ±0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.10	CHKD:	Title: Vertical RJ45 Connector With 1000 Magnetic		
X:XXX ±0.05	DR: C. H. Y	PART NO.: LPJD0834BDNL		
ANGLES ±1°	UNIT: mm	DWG NO.: LP09050507		
SCALE: 2/1		SHEET: 2/2	REV: A	