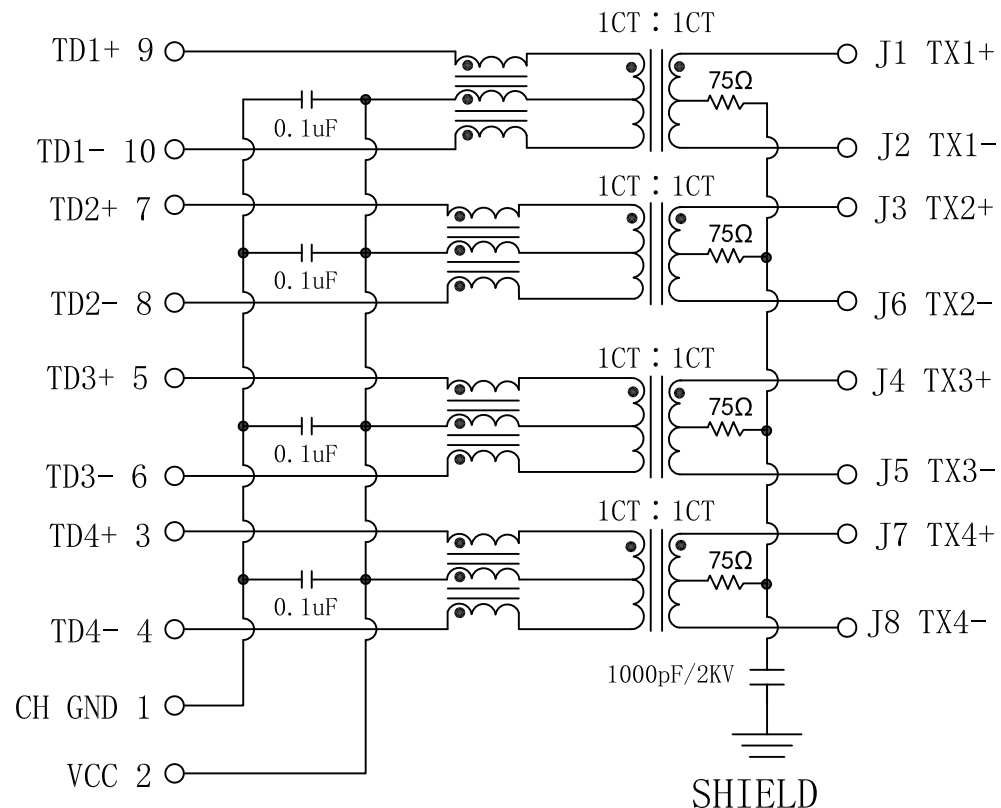


Schematic:

PC BOARD CONNECTIONS

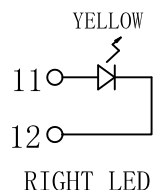
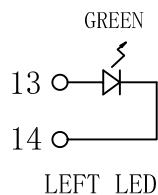


RJ45 CONNECTOR

Electrical Specifications @25°C

1. Impedance: 100 ohms
2. OCL: 350uH Min
@100KHz, 0.1Vrms, 8mADC Bias
3. Turns Ratio:
Pri:Sec = 1CT:1CT
4. Return Loss(dB Min):
0.5-40MHz:-18
40.1-100MHz:-12-20LOG(f/50)
5. Crosstalk(dB Min):
0.5-40MHz:-35
40.1-100MHz:-33-20LOG(f/50)
6. Insertion Loss:
0.5-100MHz:-1.1dB Max
7. Common Mode Rejection Ratio:
0.5-100MHz:-30 dB Min
8. Isolation Voltage: 1500Vrms
9. Operating Temperature: -40°C~+85°C.

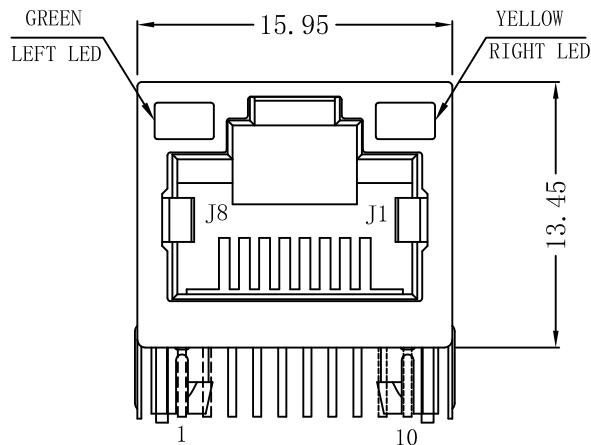
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



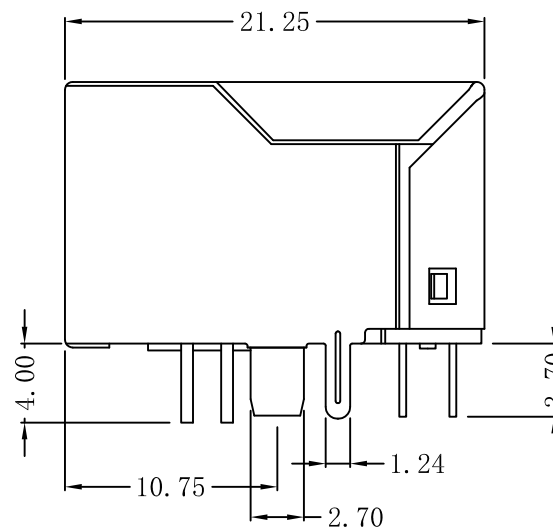
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector With 1000 Base-TX Integrated Magnetic	
ANGLES	±1°	UNIT: mm	PART NO.: LPJG16740BENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP17033101

Mechanical:

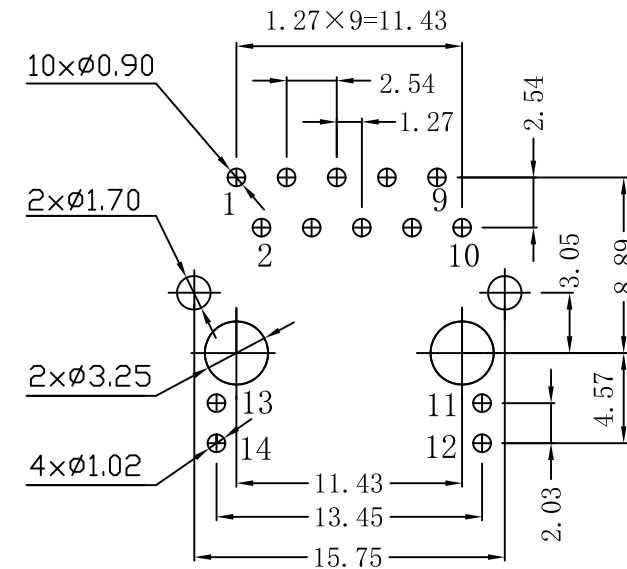
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2017/03/31	



Front Side View



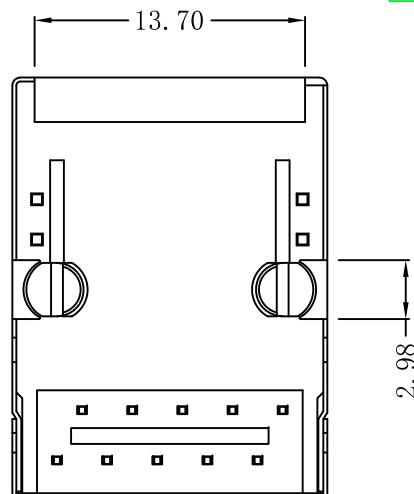
Left Side View



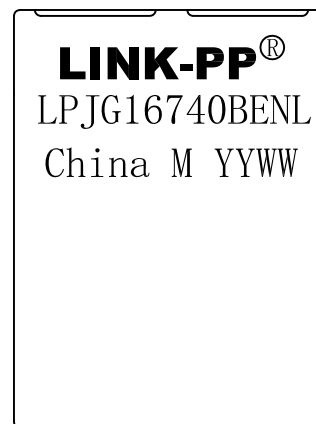
Suggested PCB Layout (Top View)

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 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.
5. UL Certification: File Number E484635.



Bottom Side View



Top Side View

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-TX Integrated Magnetic	
ANGLES	±1°	UNIT: mm	PART NO.: LPJG16740BENL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP17033101