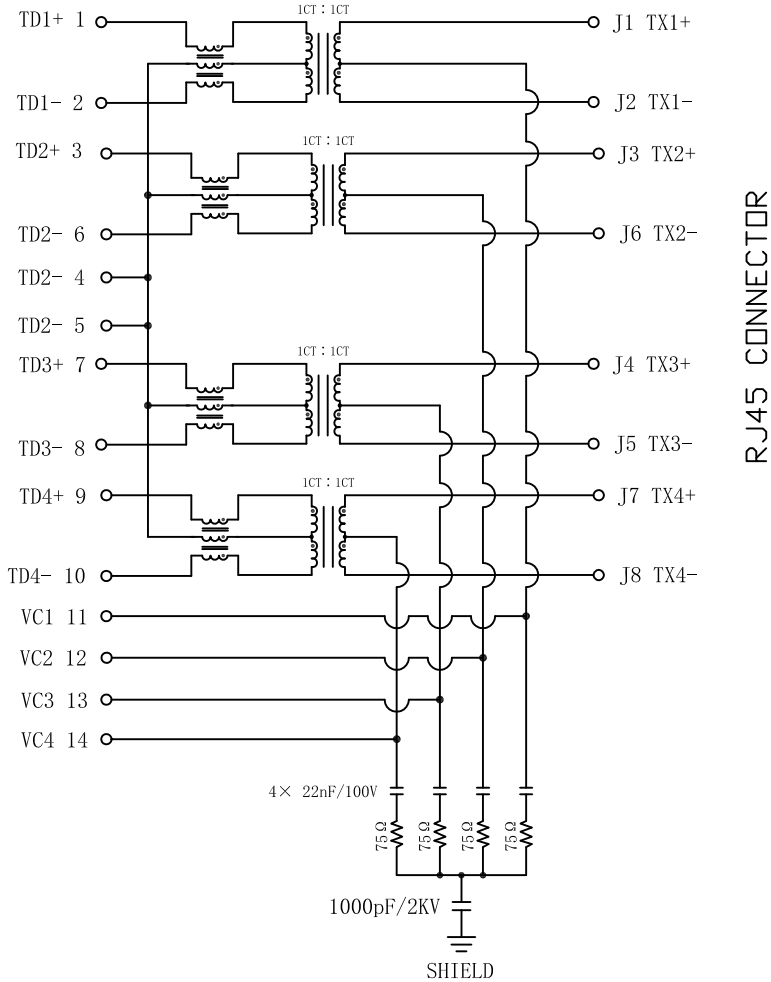
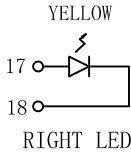
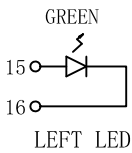


Schematic:

PC BOARD CONNECTIONS



RJ45 CONNECTOR



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



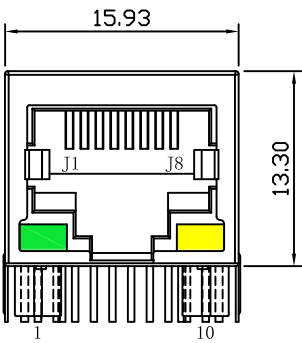
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2018-02-26	

ELECTRICAL SPECIFICATIONS @25°C

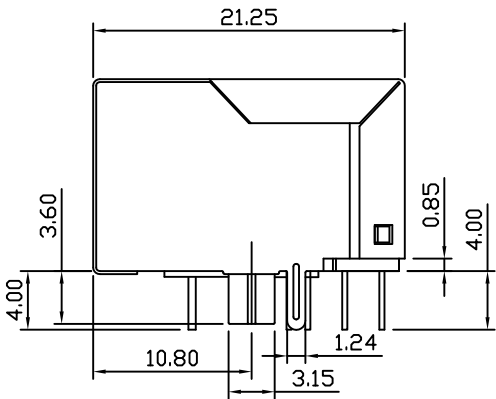
- Turn Ratio($\pm 5\%$):
Pri : Sec = 1CT : 1CT
- Inductance OCL:
350uH MIN @100KHz/0.1V, 8mA DC Bias
120uH MIN @100KHz/0.1V, 18mA DC Bias
- Insertion Loss:
-1.0dB MAX @ 1-100MHz
-1.2dB MAX @ 100-125MHz
- Return Loss:
-16dB MIN @ 1-40MHz
-12dB MIN @ 40-60MHz
-10dB MIN @ 60-80MHz
-8dB MIN @ 80-100MHz
- Cross talk:
-30dB MIN @ 1-100MHz
- Common to Common Mode Rejection:
-30dB MIN @ 1-100MHz
- DC Current/Voltage Rating pse Pins:
600mA MAX@54VDC(Continuous)
- Hipot Test: 1500Vrms MIN
- Operating Temperature: 0°C TO 70°C.

X:X	± 0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.20	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics For PoE+ Application	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJG0926HENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP18022610

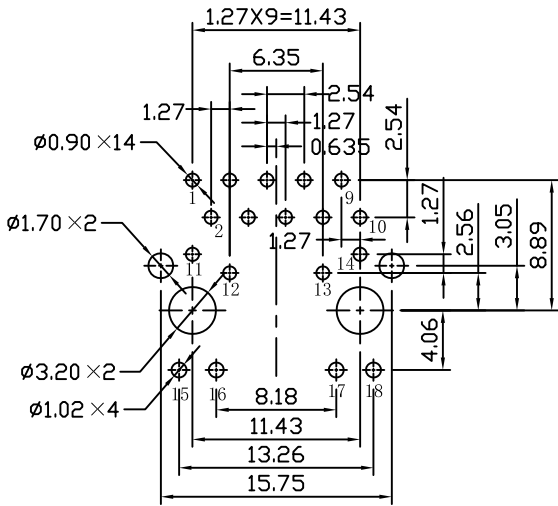
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2018-02-26	



Front Side View



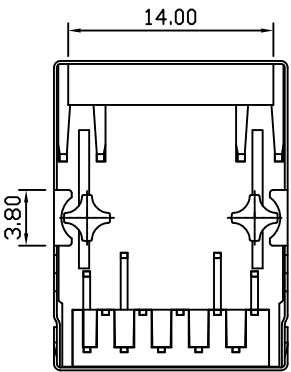
Left Side View



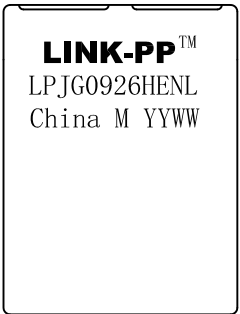
Suggested PCB Layout(Top View)

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE802.3at 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	±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.20	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics For PoE+ Application	
ANGLES	±1°	UNIT: mm	PART NO.: LPJG0926HENL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO.: LP18022610		