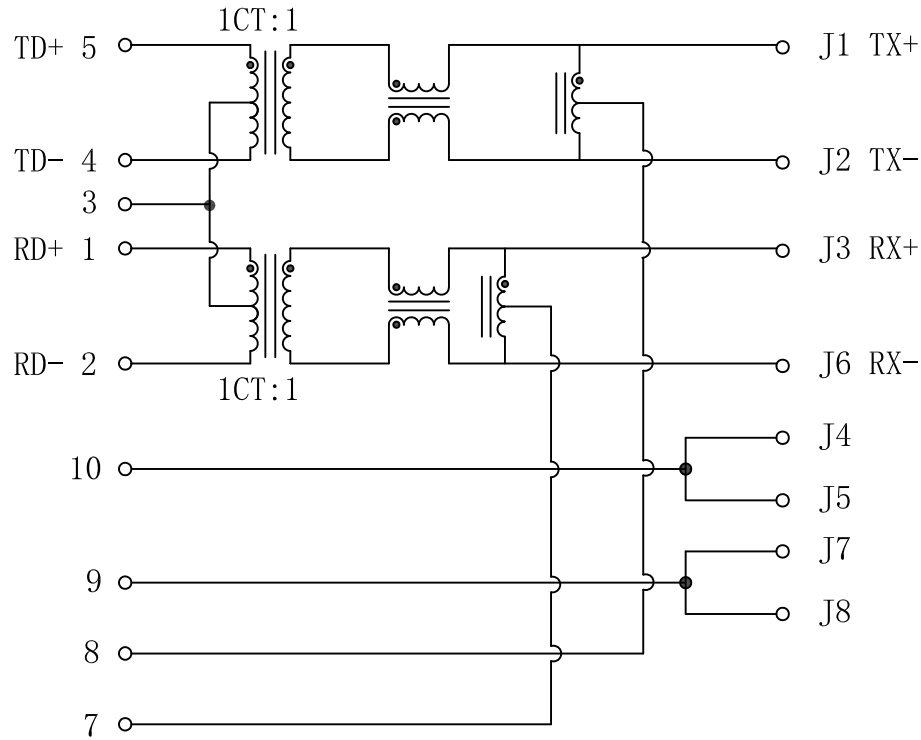


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2017/12/13	

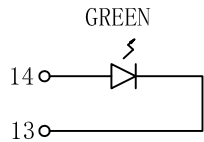
PC BOARD CONNECTIONS



RJ45 CONNECTOR

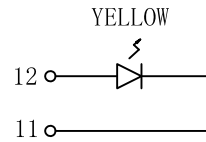
ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio:
TX=1CT:1 RX=1CT:1
- Inductance OCL:
350uH MIN @100KHz 0.1V 18mA DC Bias
- DCR: 1.2Ω MAX
- Insertion Loss:
-1.0dB MAX @1-100MHz
- Return Loss:
-18dB MIN @1-30MHz
-16dB MIN @30-60MHz
-12dB MIN @60-80MHz
- Cross talk:
-30dB MIN @1-100MHz
- Common Mode Rejection:
-30dB MIN @1-100MHz
- Balanced DC Line Current.
350mA MAX @57VDC Continuous
500mA MAX @57VDC For 200 milliseconds.
- Hipot Test: 1500Vrms
- Operating Temperature Range: 0°C TO 70°C



LEFT LED

LED POLARITY		COLOR
PIN 13	PIN 14	
-	+	GREEN



RIGHT LED

LED POLARITY		COLOR
PIN 11	PIN 12	
-	+	YELLOW

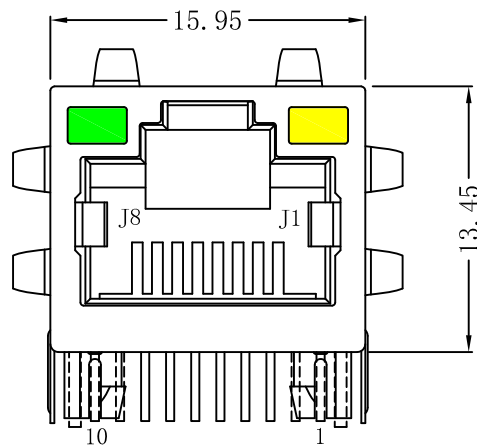


Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max

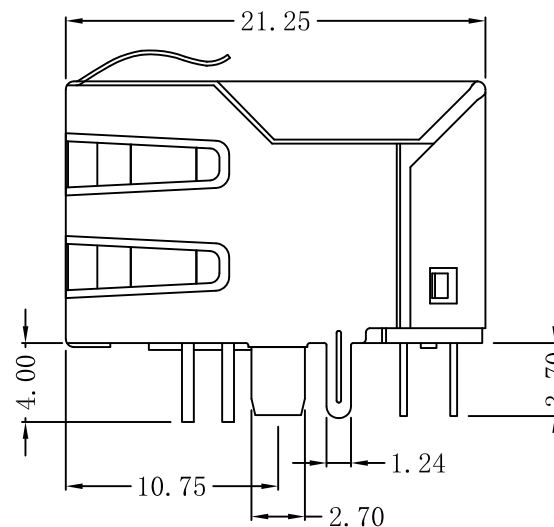
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.25	CHKD:	
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector With 10 /100 Base-TX Integrated Magnetic TAB-UP For PoE Application
ANGLES	±1°	UNIT: mm	PART NO.: LPJ16275AHNL
	SCALE: 2/1	SHEET: 1/2	REV: A DWG NO: LP17121302

Mechanical :

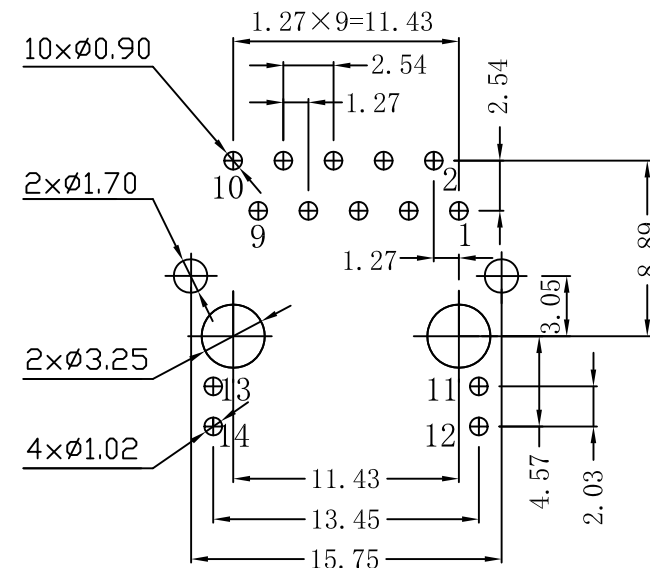
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2017/12/13	



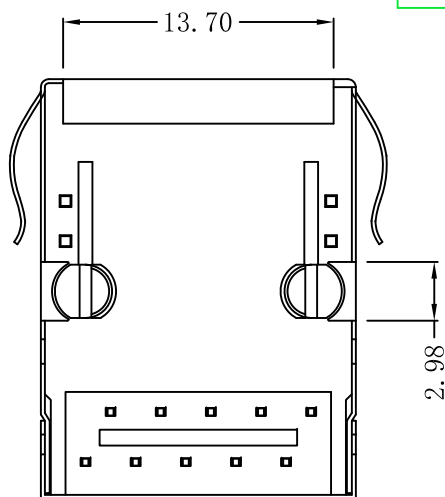
Front Side View



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 802.3af 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:	TITLE: RJ45 Connector With 10 /100 Base-TX Integrated Magnetic TAB-UP For PoE Application	
X:XXX	±0.05	DR: TOM	PART NO. : LPJ16275AHNL	
ANGLES	±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO: LP17121302