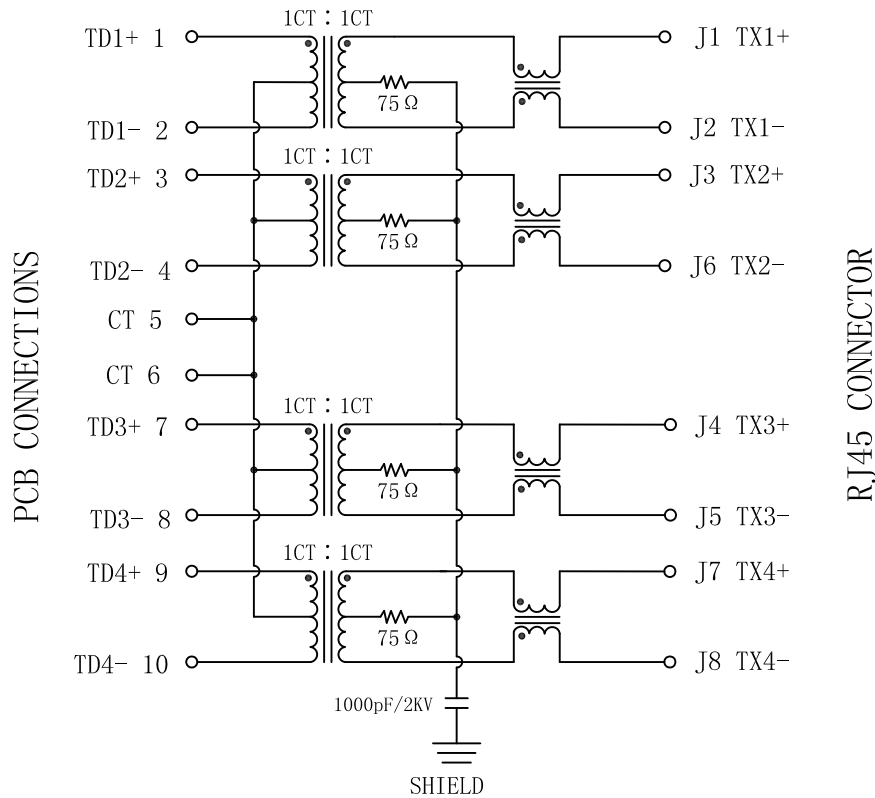


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011/02/11	



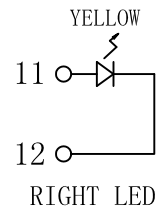
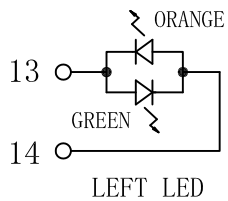
PCB CONNECTIONS

RJ45 CONNECTOR

Electrical Specifications @ 25°C

- Turns Ratio ($\pm 2\%$):
Pri : Sec = 1CT : 1CT
- OCL:
180uH Min@100KHz/100mVrms, 0mA DC Bias
150uH Min@100KHz/100mVrms, 10.8mA DC Bias.
- Insertion Loss (dB Max):
1~50MHz: -0.5 50~125MHz: -1.0
- Return Loss (dB Min):
1~40MHz: -20
40~200MHz: -20dB+15*Log (Freq MHz/40MHz)
- Crosstalk (dB Min):
1~125MHz: -20
- Common Mode Rejection (dB Min):
1~125MHz: -35
- Isolation Voltage: 1500Vrms
- Operating Temperature Range: -40°C ~ +85°C.

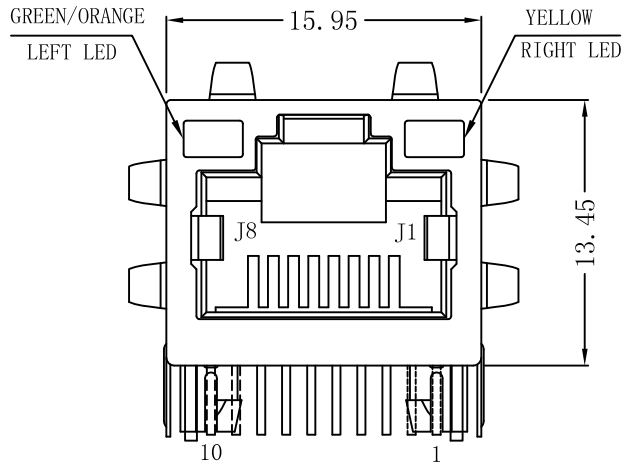
Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _{AIR} @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
ORANGE	610	1.8~2.6V	10 μ A max
YELLOW	685	1.8~2.6V	10 μ A max



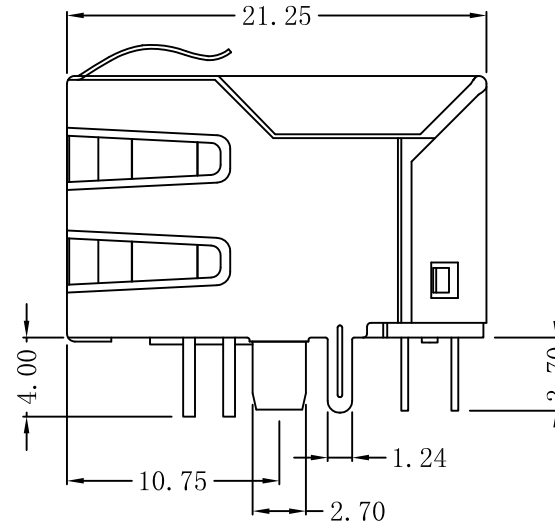
X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	± 0.25	CHKD:	
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector With 2.5G Integrated Magnetic
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJM16402A37NL
	SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.: LP11021145

Mechanical:

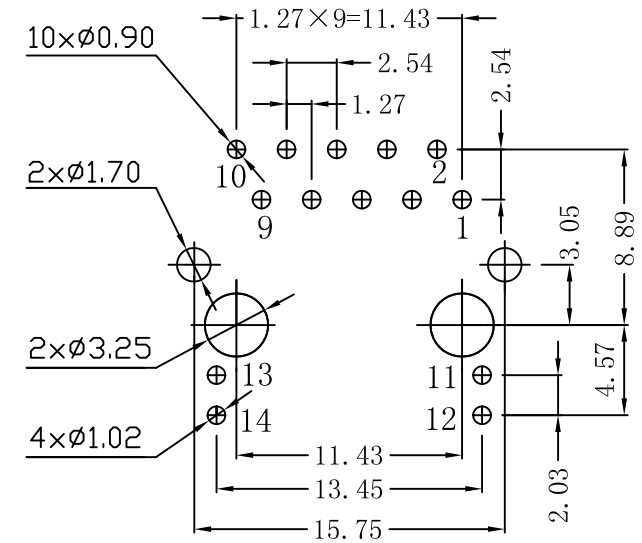
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011/02/11	



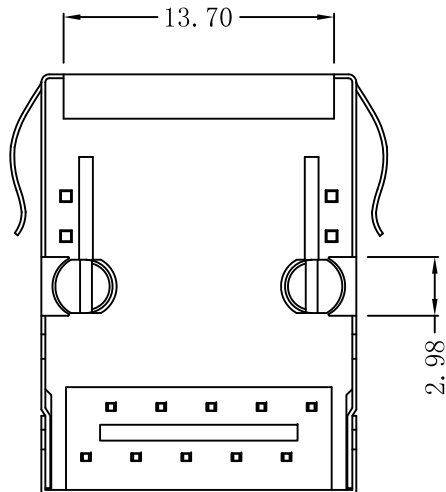
Front Side View



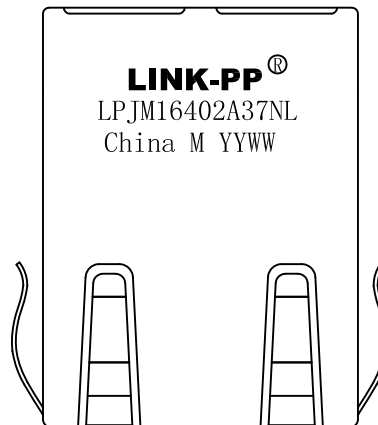
Left Side View



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 802.3 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: 250°C, 5 Sec.
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 2.5G Integrated Magnetic	
X:XXX	±0.05	DR: TOM	PART NO.: LPJM16402A37NL	
ANGLES	±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP11021145