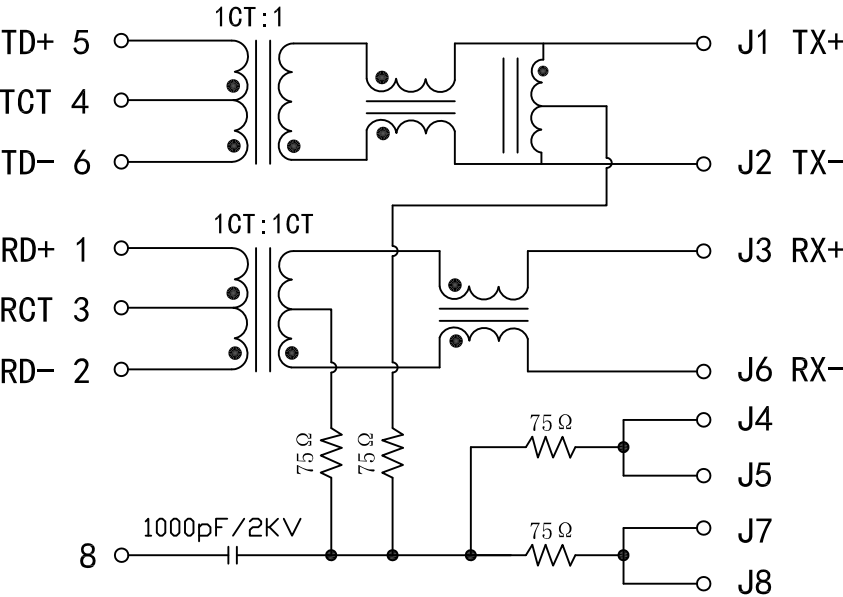


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-10-11	

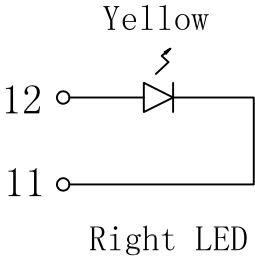
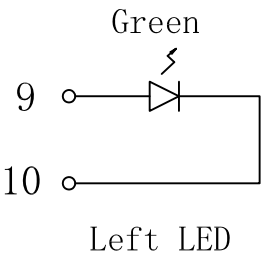
PCB CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- 1. Turn Ratio:
TX=1CT : 1 RX=1CT : 1CT
- 2. Inductance OCL: 350uH MIN
@100KHz, 0.1Vrms, 8mA DC Bias
- 3. Insertion Loss:
-1.1dB MAX @ 0.5~100MHz
- 4. Return Loss:
-18dB MIN@ 0.5~30MHz
-18-20LOG (f/30)dB MIN @ 30.1~60MHz
-12dB MIN @ 60.1~80MHz
- 5. Cross talk:
-35dB MIN @ 0.5~40MHz
-33-20LOG (f/50)dB MIN @ 40.1~100MHz
- 6. Common Mode Rejection Ratio(CMRR):
-30dB MIN @ 0.5~100MHz
- 7. Hipot Test: 1500Vrms MIN
- 8. Operating Temperature Range: -40°C TO +85°C



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



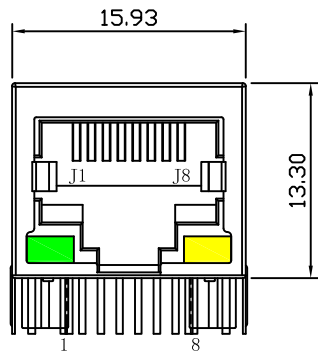
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX	±0.25	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
X:XXX	±0.05	DR: TOM			
ANGLES	±1°	UNIT: mm	PART NO.: LPJ4108HBNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: TRC14072101	

Mechanical:

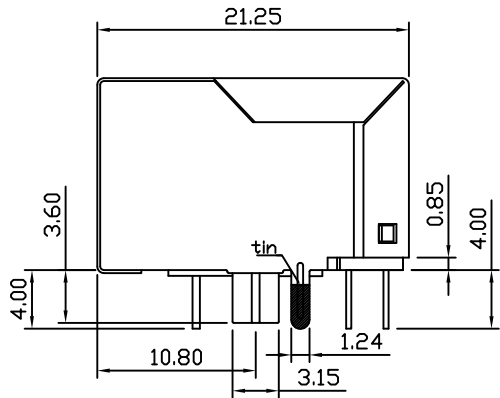
Distributed by:


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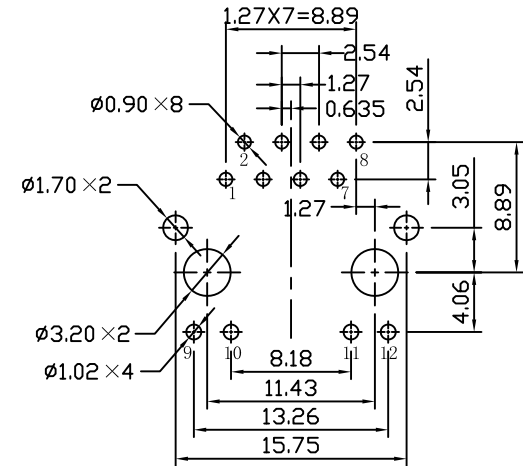
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-10-11	



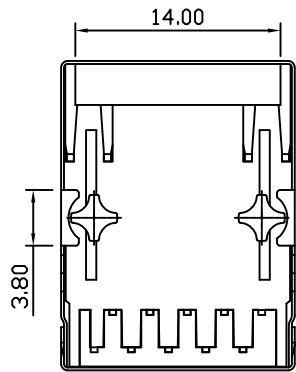
Front Side View



Left Side View



Suggested PCB Layout



Bottom Side View



Top Side View

NOTES:

1. Meets IEEE 802.3 specification
2. Connector Materials:

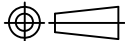
Housing Material:Thermoplastic PBT+30%G.F UL94V-0

Contact Material:Phosphor Bonze C5210R-EH Thickness=0.35mm

Pins:Brass C2680R-H Thickness=0.35mm

Shield:SUS S304-1/2H Thickness=0.2mm

Contact plating: Gold 6 micro-inches min. In contact area.
3. Wave solder tip temperature: 265°C Max, 5 Sec Max
4. UL Certification: File Number E321120

X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.25	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
X:XXX ±0.05	DR: TOM			
ANGLES ±1°	UNIT: mm	PART NO. : LPJ4108HBNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : TRC14072101

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