

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-07-24	

ELECTRICAL SPECIFICATIONS @25℃

1.Turn Ratio : 1CT:1CT±5%

2.OCL: 350uH Min @100KHz,0.1V,8mA DC Bias

3.Insertion Loss (dB Max):

1-100MHz: -1.2

4.Return Loss(dB Min):

1-30MHz: -16 30-60MHz: -12

60-80MHz: -10 80-100MHz: -8

5.Cross Talk(dB Min):

1-100MHz: -30

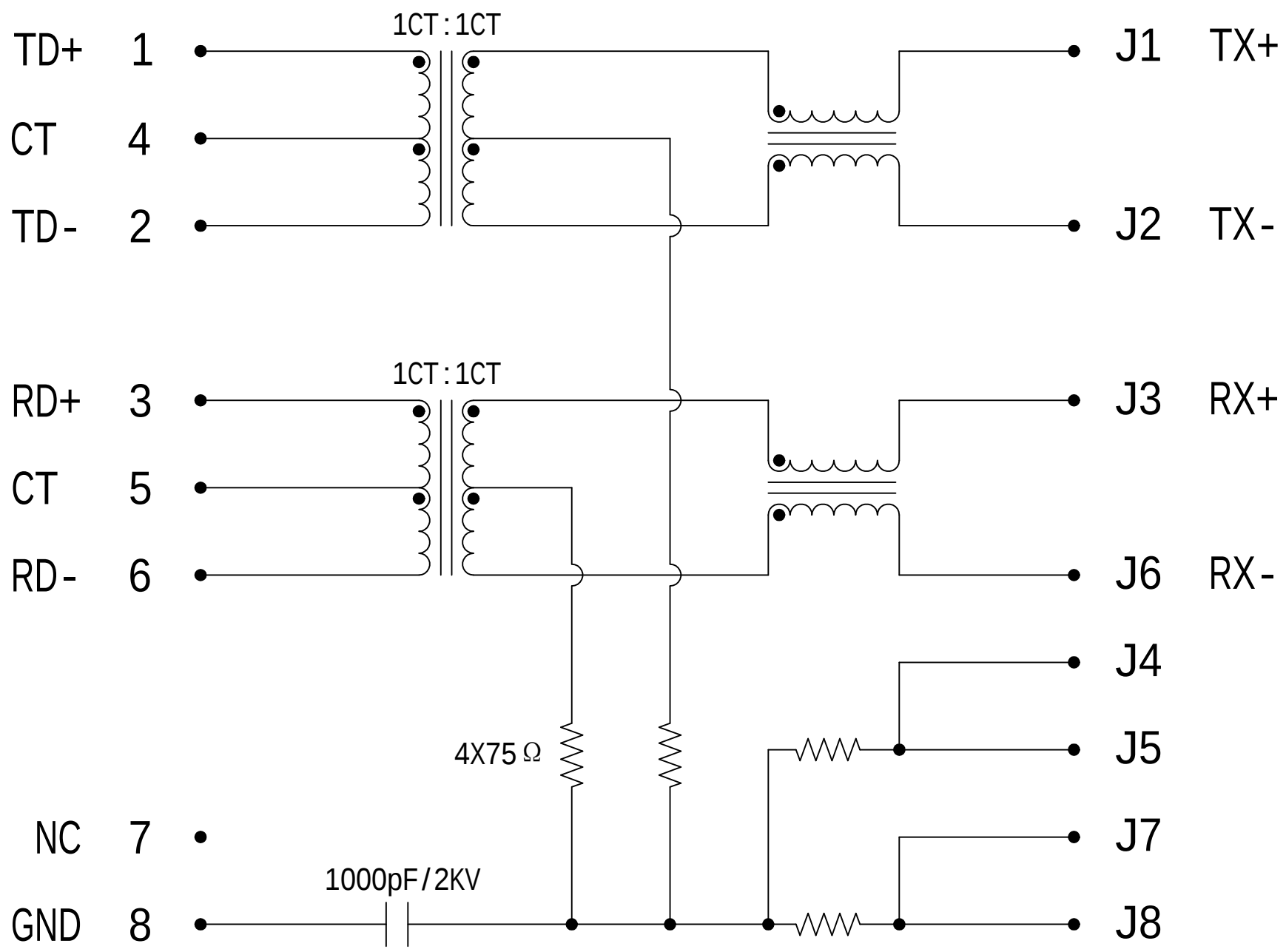
6.Common Mode Rejection(dB Min):

1-100MHz: -30

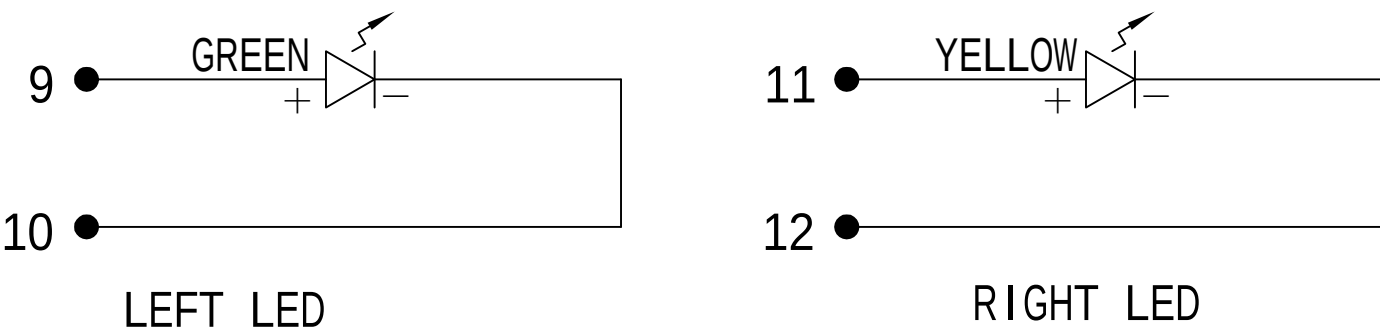
7.Isolation PHY SIDE To Line SIDE : 1500Vrms

8.Operating Temperature Range: -40℃~+85℃.

PC BOARD CONNECTIONS



RJ45 CONNECTOR

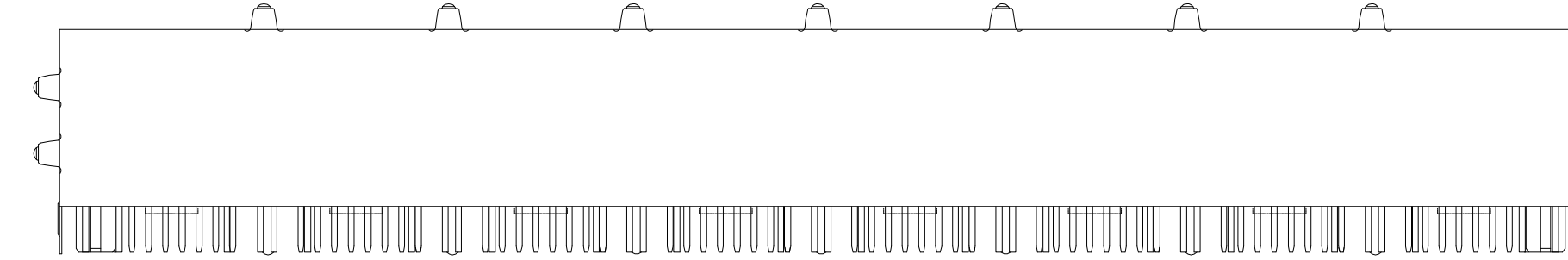
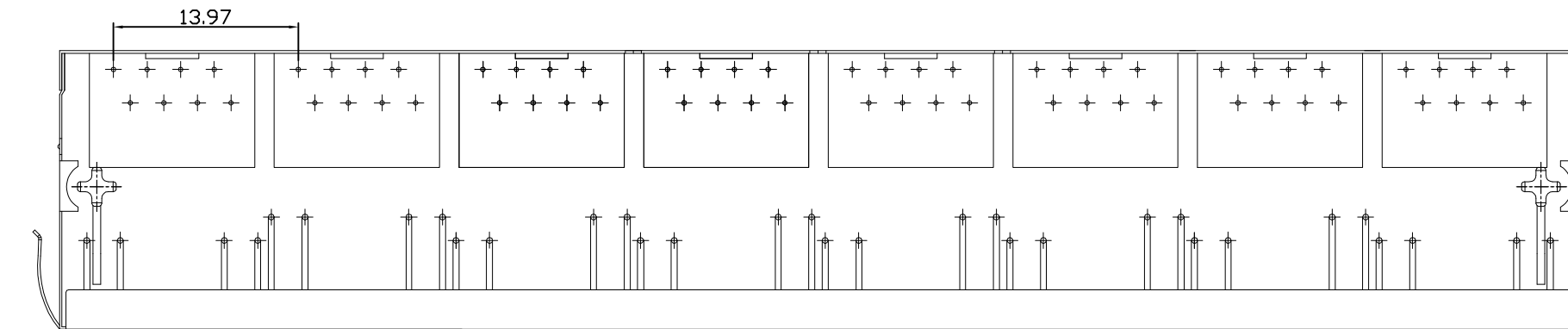
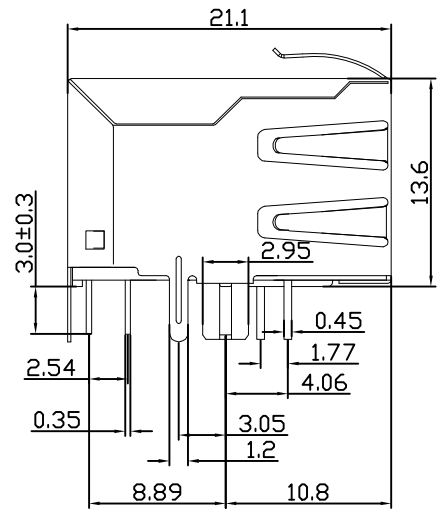
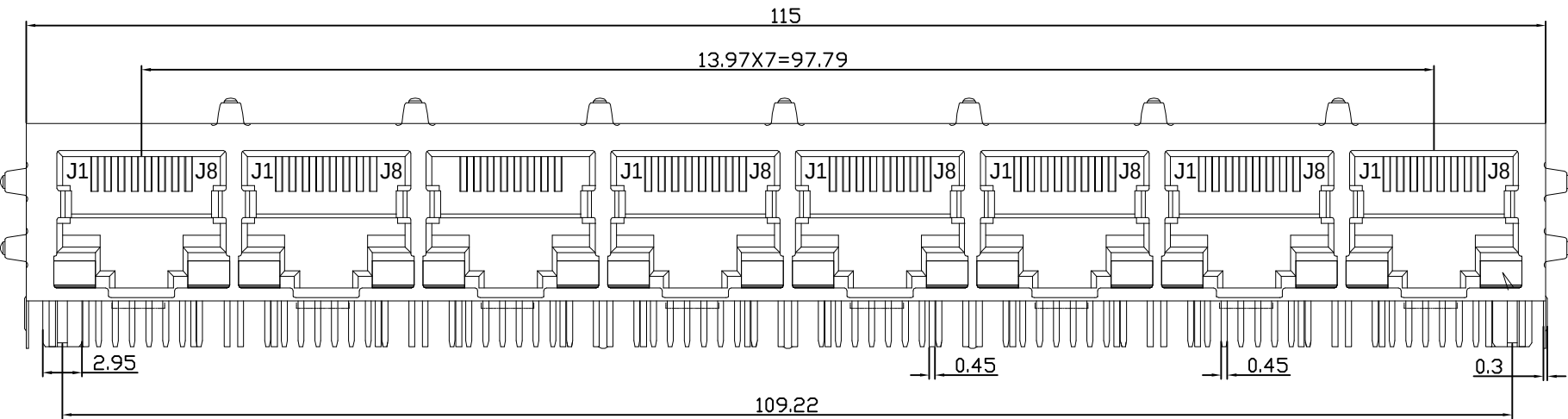


EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

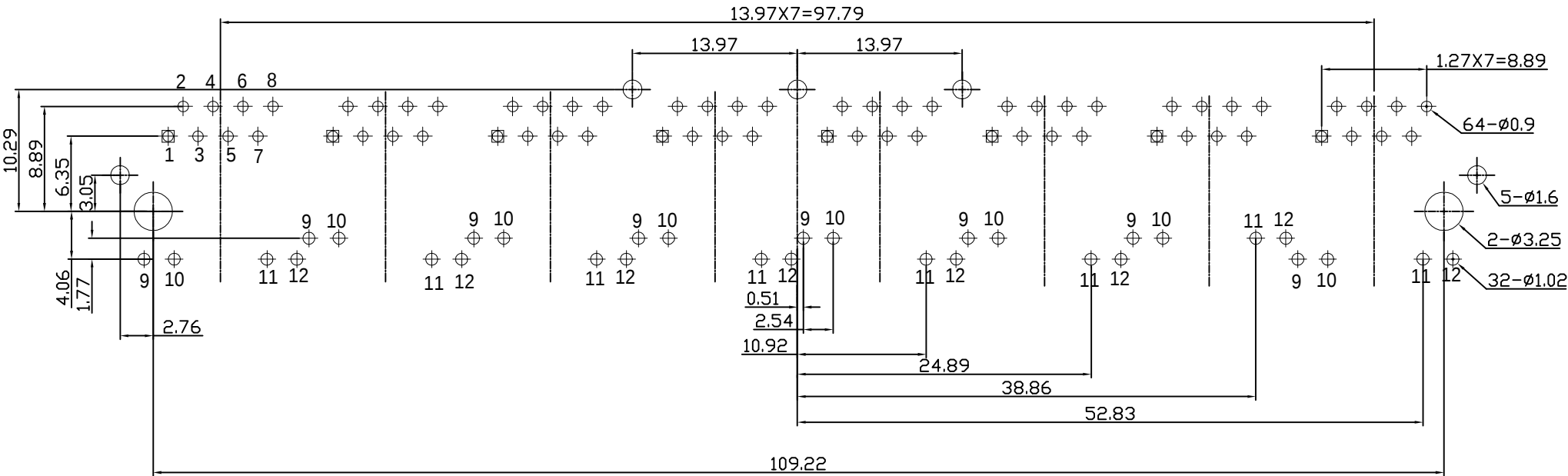


X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: JULY	RJ45 1X8 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
ANGLES	±1°	UNIT: mm	PART NO.:	LPJ86404AENL
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.:	LP10072406

Mechanical :



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RECOMMENDED PCB LAYOUT(TOP VIEW)

NOTES:

- 1.Designed to support application,such as SOHO(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
- 2.Meets IEEE802.3 specification.
- 3.Connector Materials:
Housing: Thermoplastic PBT+30%G.F UL94V-0
Contact: Phosphor Bronze T=0.35mm
Shield: T=0.2mm Copper alloy Plating Nickel
Contact plating:Gold 6 micro-inches min In contact area.
- 4.Wave solder tip temperature and time: 250℃,5 Sec.
- 5.UL Certification: File Number E484635.

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