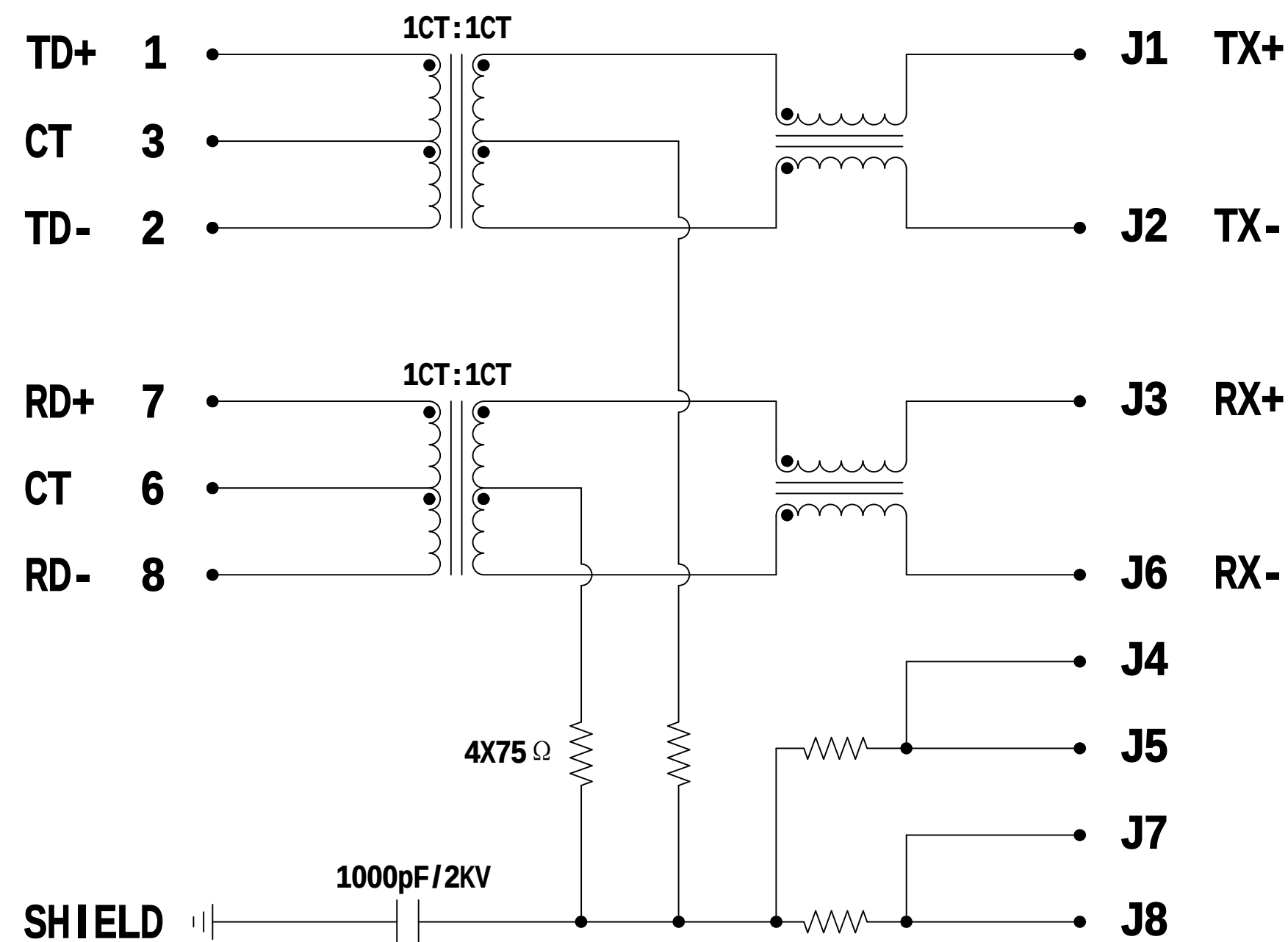


Schematic:

PC BOARD CONNECTIONS

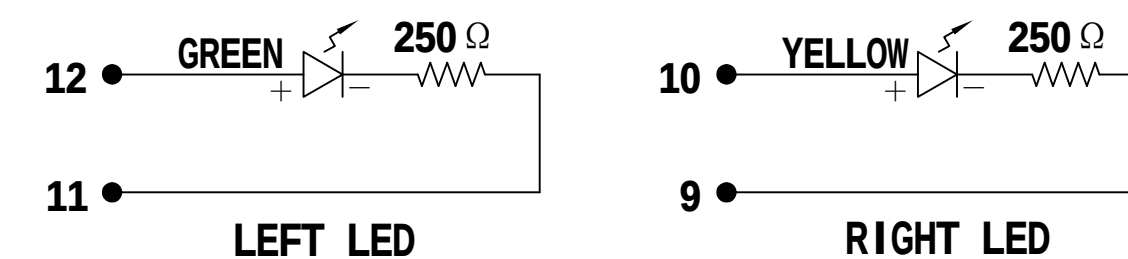


RJ45 CONNECTOR

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-18	

ELECTRICAL SPECIFICATIONS @25℃

- Turn Ratio : 1CT:1CT±5%
- OCL: 350uH Min @100KHz,0.1V,8mA DC Bias
- Insertion Loss (dB Max):
1-100MHz: -1.2
- Return Loss(dB Min):
1-30MHz: -16 30-60MHz: -12
60-80MHz: -10 80-100MHz: -8
- Cross Talk(dB Min):
1-100MHz: -30
- Common Mode Rejection(dB Min):
1-100MHz: -30
- Isolation PHY SIDE To Line SIDE : 2250Vdc
- Operating Temperature Range: 0℃~+70℃.

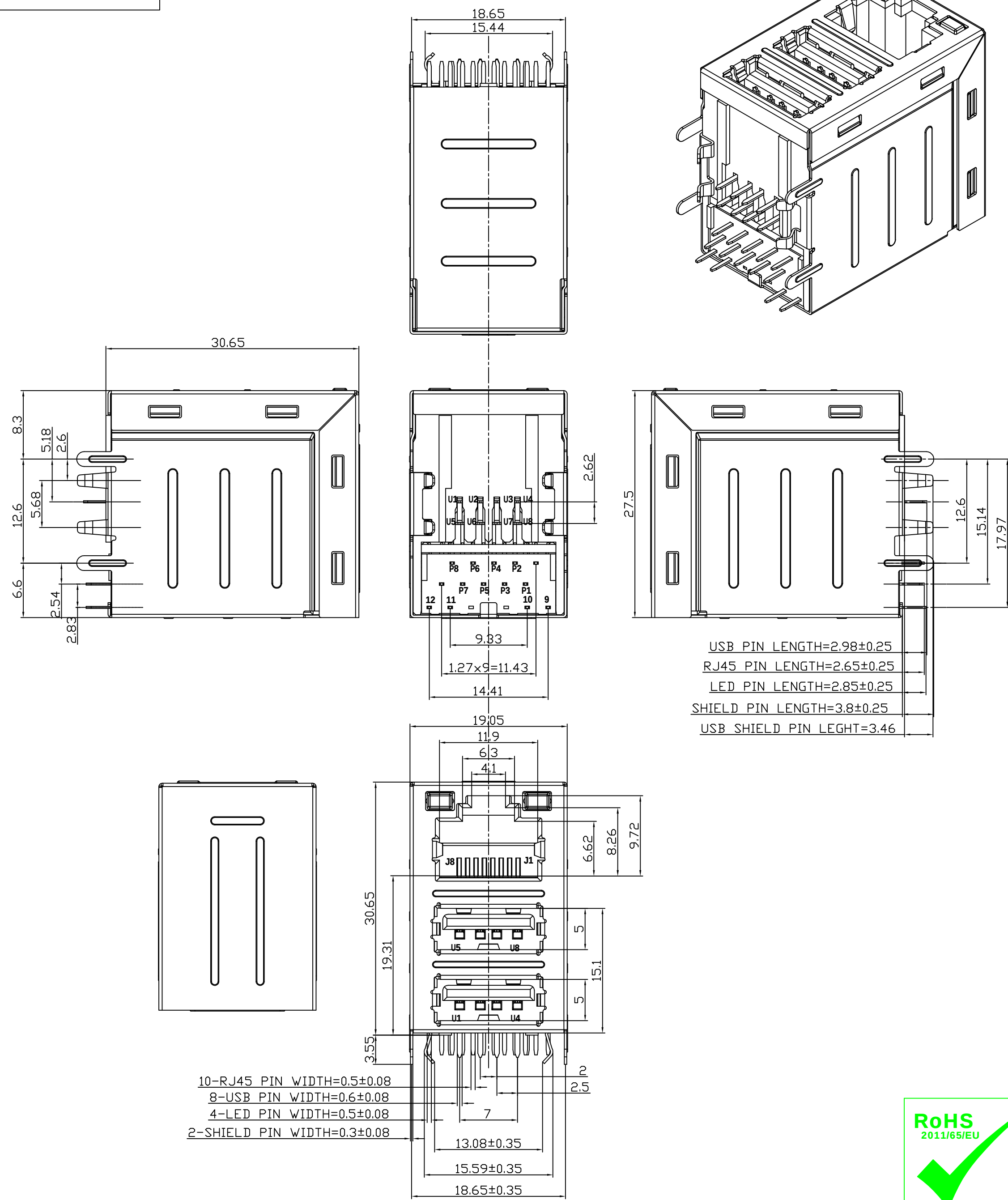


EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

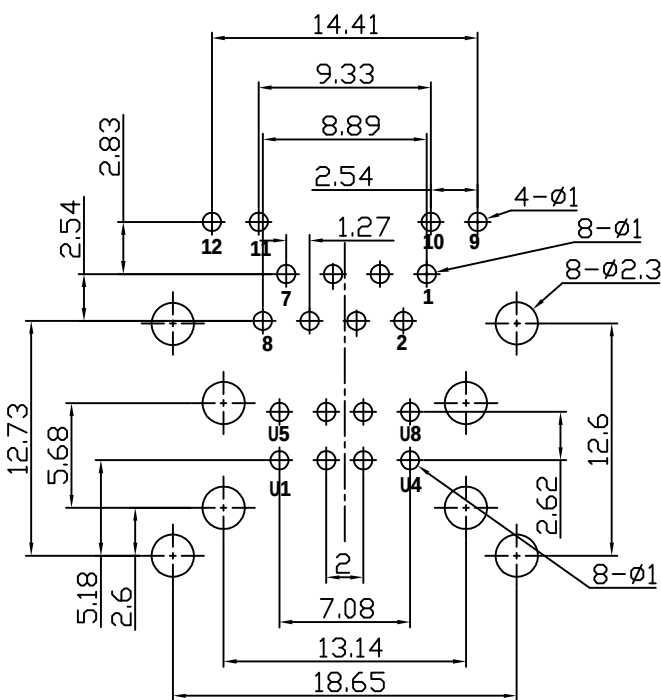
X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH DUAL USB2.0 & WITH LED	
X.XXX	±0.15	DR: JULY		
ANGLES	±1°	UNIT: mm	PART NO.:	LPJU5117BPNL
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.:	LP14071802



Mechanical :



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-18	



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: PBT Black UL94V-0
Contact: Phosphor Bronze
Shield: Stainless Steel
RJ45 Contact plating:Gold 6 micro-inches min In contact area.
USB Contact plating :Flash gold on contact area.
- 4.Wave solder tip temperature and time: 250℃,5 Sec.
- 5.UL Certification: File Number E484635.

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 CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH DUAL USB2.0 & WITH LED	
ANGLES	±1°	UNIT: mm	PART NO.:	LPJU5117BPNL
		SCALE: 2/1	SHEET: 2/2	REV: A
			DWG NO.:	LP14071802

