

Schematic:

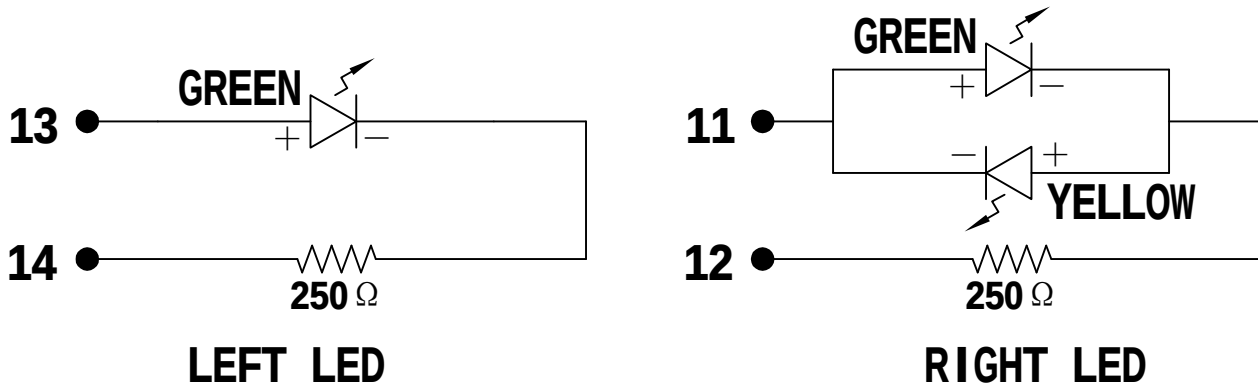
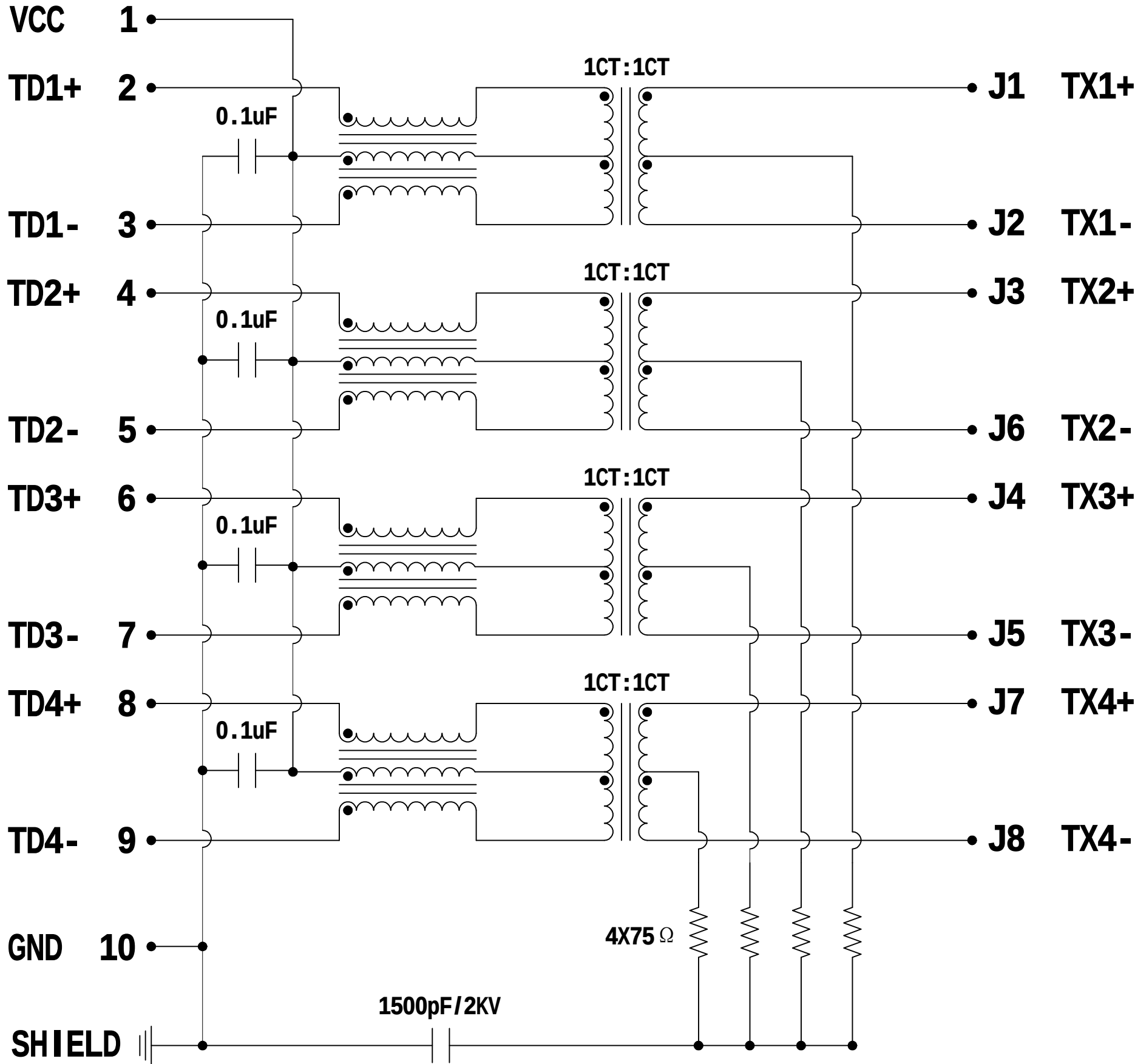
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2024-12-05	

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: 0℃~+70℃.

PCB SIDE TO PHY

CABLE SIDE

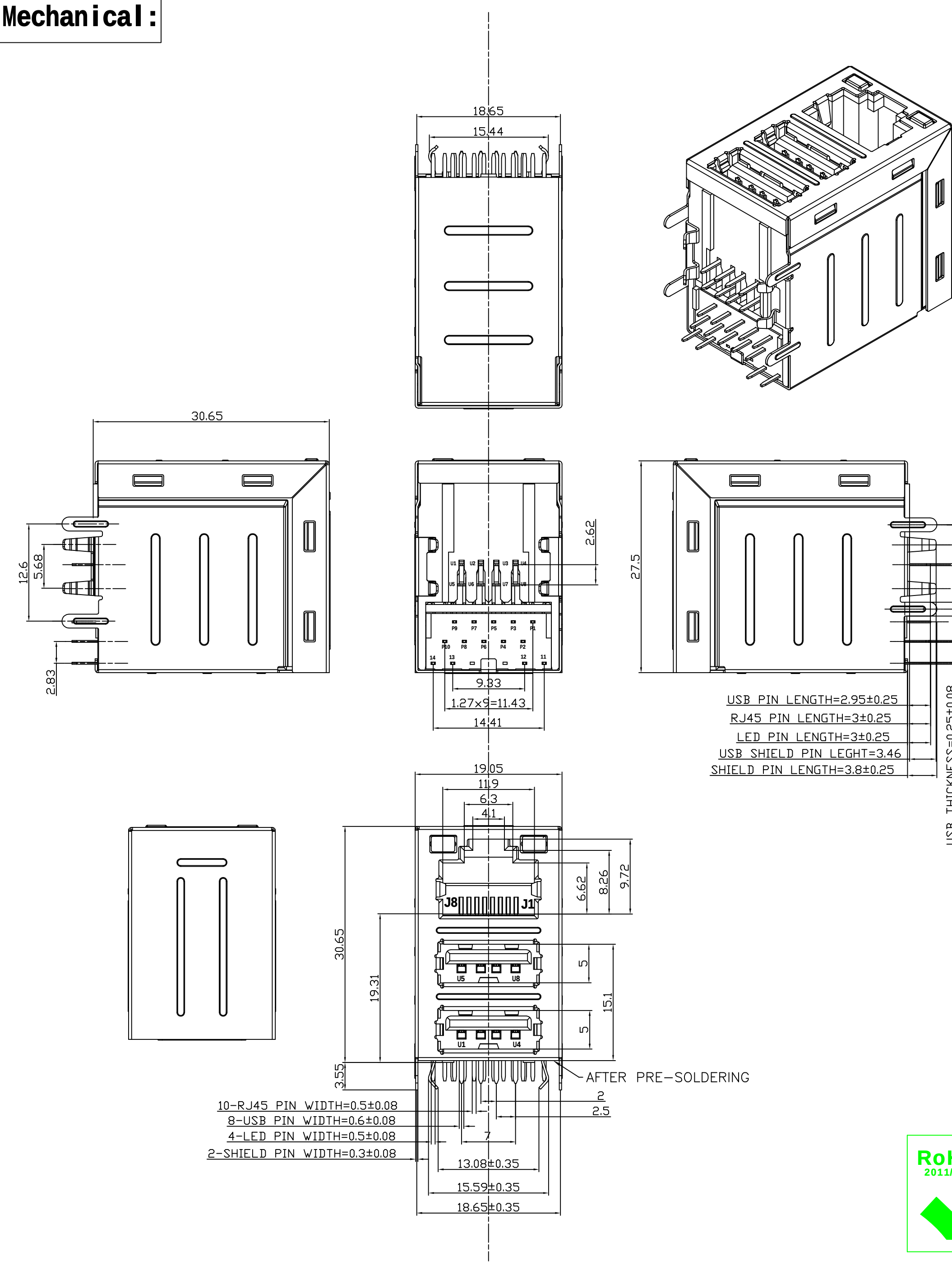


EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.4V	10 μ A max
YELLOW	585	1.8~2.4V	10 μ A max

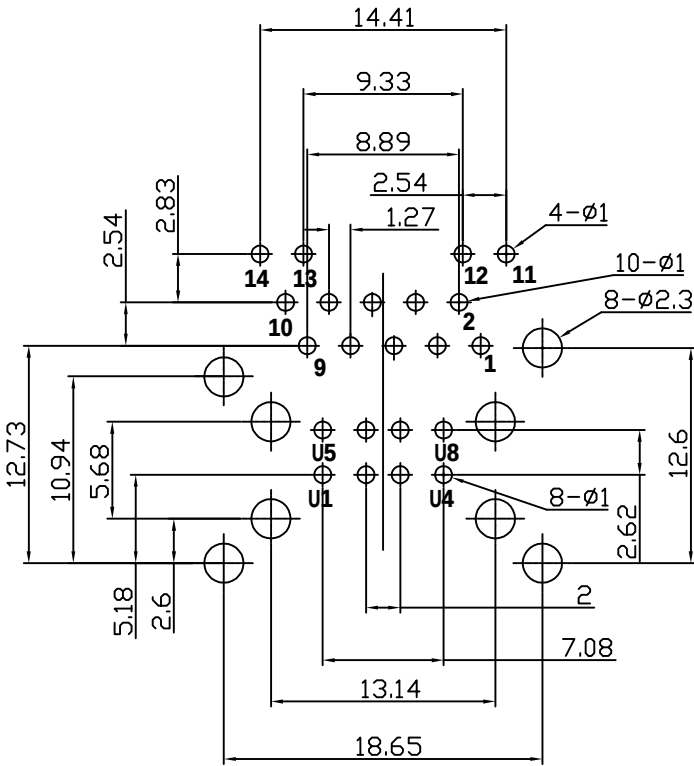
X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: JULY	RJ45 1X1 CONNECTOR WITH 1000 BASE-T & DUAL USB2.0	
ANGLES	±1°	UNIT: mm	PART NO.: LPJU53422B50NL	
		SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO.: LP24120501		



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 IEEE 802.3 specification
- 3.Connector Materials:
Housing Material:PBT Black UL94V-0
Contact Material:Phosphor Bronze
Shield: SUS 201-1/2H Thickness=0.35mm
Contact plating: Gold 6 micro-inches min.In contact area.
USB Contact plating: Gold Flash.
- 4.Wave solder tip temperature: 250℃ Max,5 Sec.
- 5.UL Certification: File Number E484635.

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