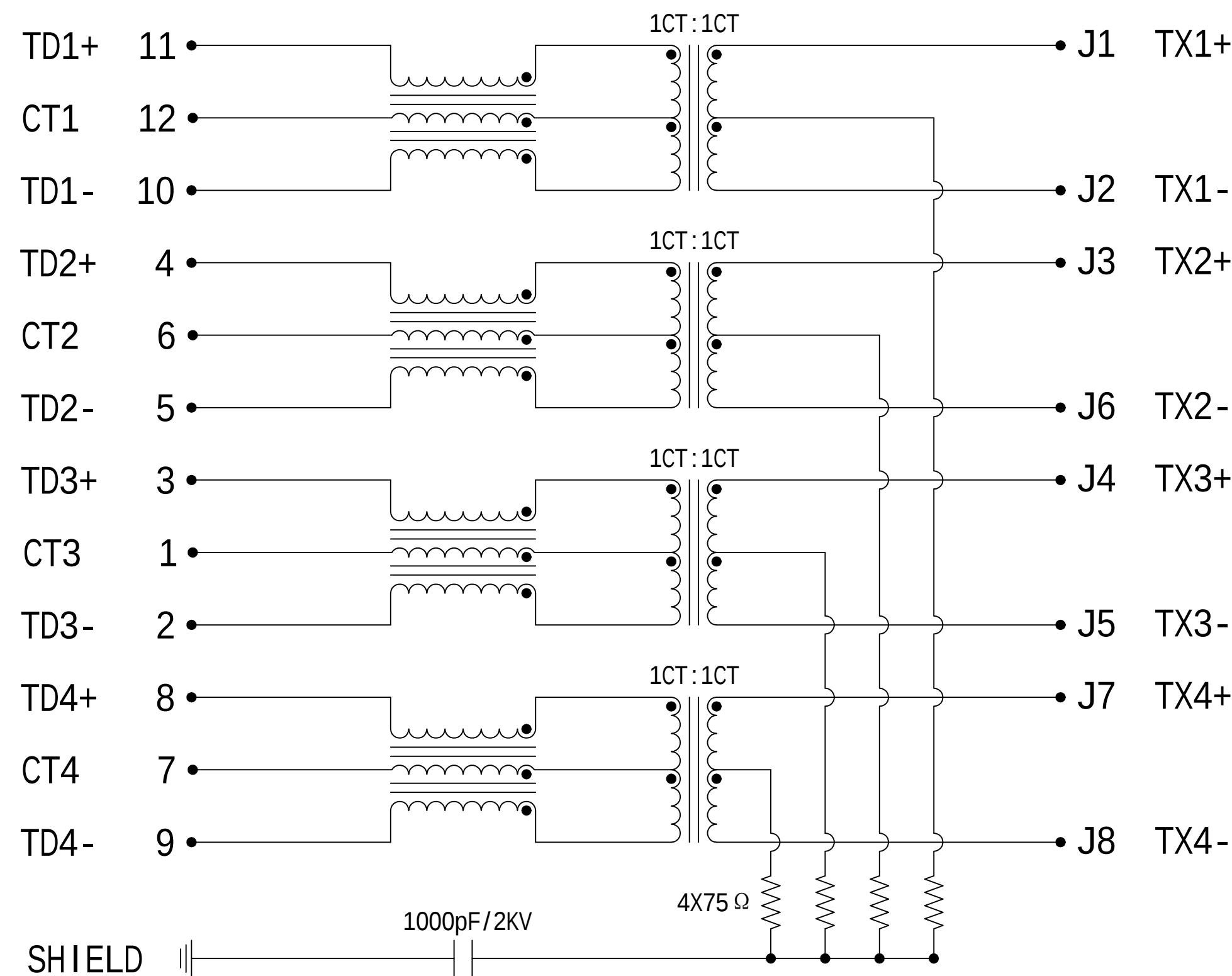


Schematic:

PCB SIDE TO PHY

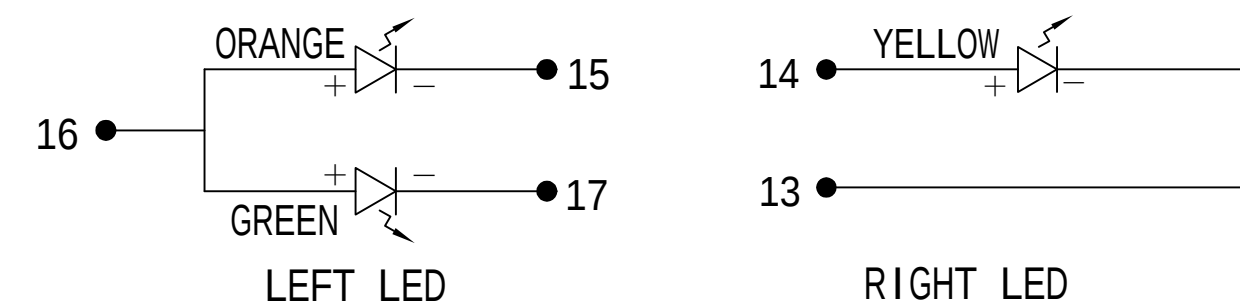


CABLE SIDE

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2021-08-07	

ELECTRICAL SPECIFICATIONS @25℃

- Turn Ratio : 1CT:1CT $\pm 5\%$
- OCL: 200uH Min @100KHz , 0.1V
- Insertion Loss (dB Max):
1-100MHz: -1.0 100-125MHz: -1.5
- Return Loss(dB Min):
1-30MHz: -16 30-100MHz: -12
100-125MHz: -10
- Cross Talk(dB Min):
1-125MHz: -25
- Common Mode Rejection(dB Min):
1-125MHz: -30
- Common Mode to Differential Mode Rejection(dB Min):
1-100MHz: -30 100-125MHz: -25.
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature Range: -40℃ ~ +85℃.



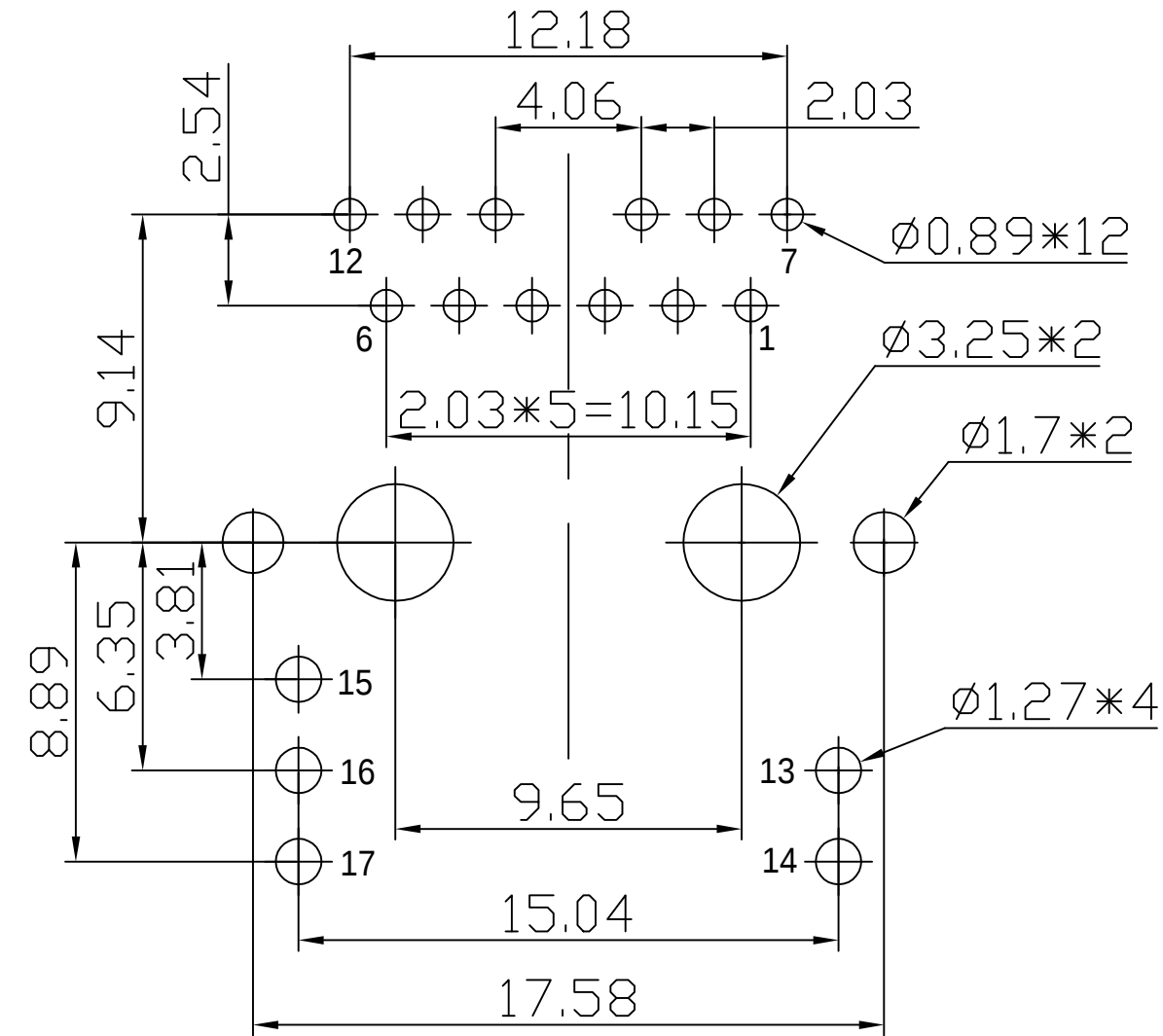
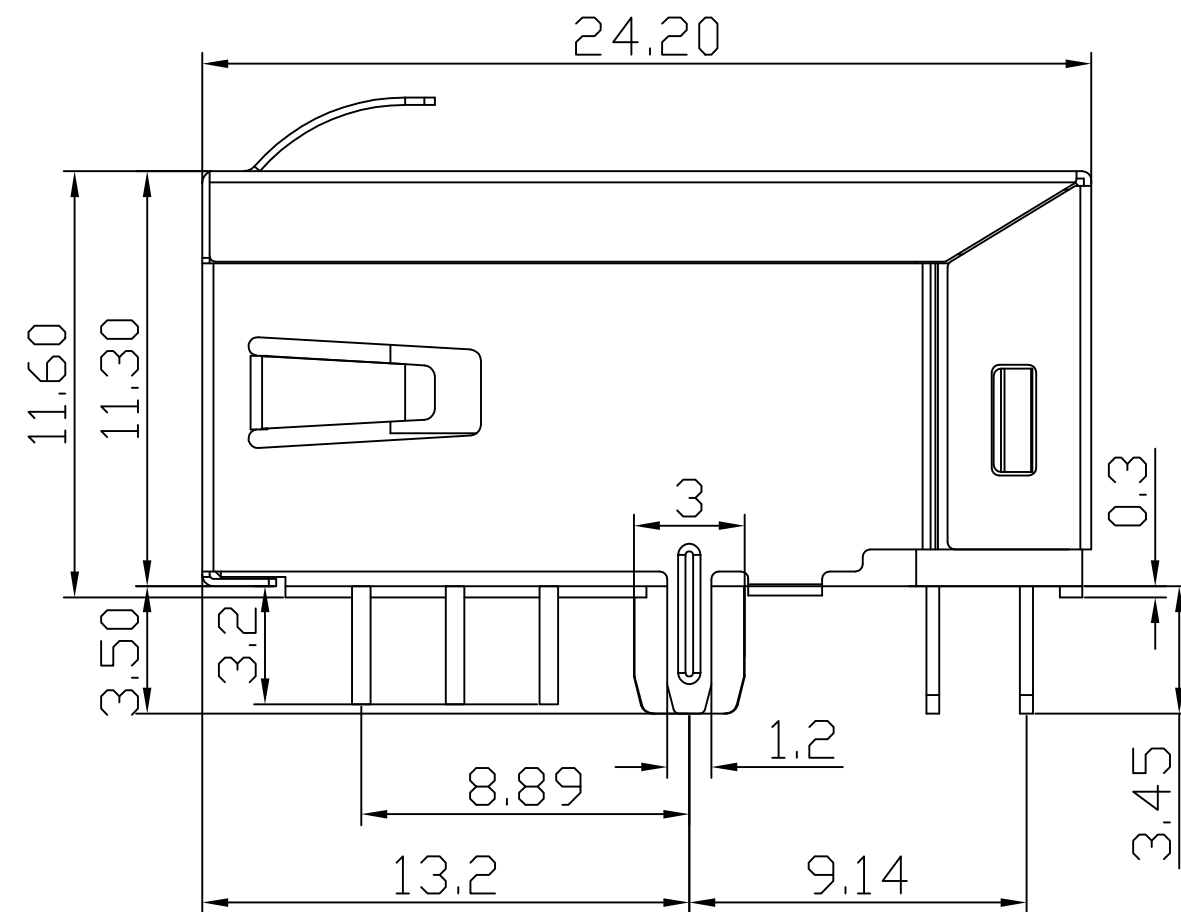
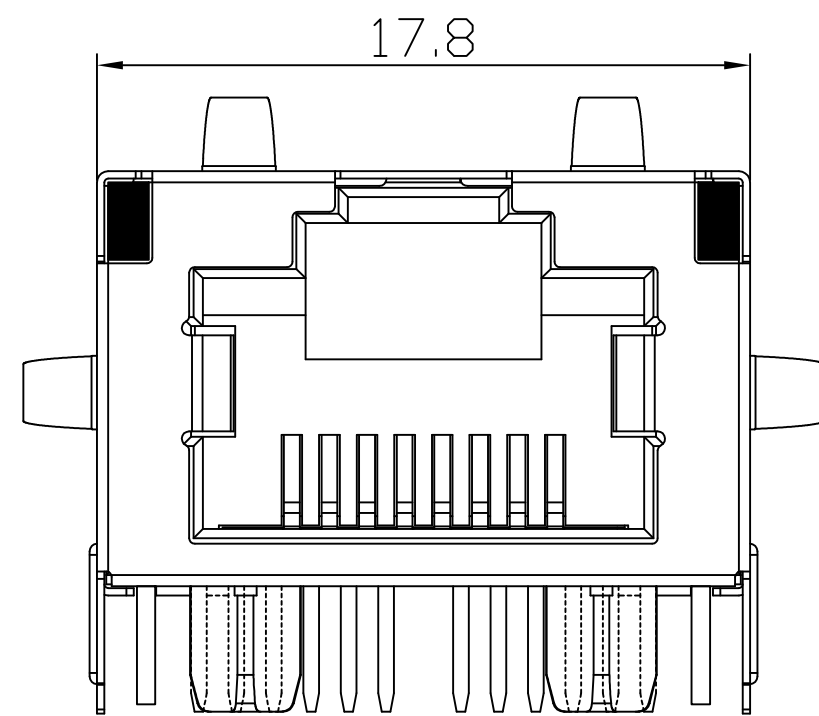
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
ORANGE / GREEN	610 / 565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



X.X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	± 0.25	CHKD: JAMES	TITLE: RJ45 CONNECTOR WITH 2.5G BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
X.XXX	± 0.15	DR: LEO		
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.:	LPJT7200A98NL
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.:	LP21080731

Mechanical :

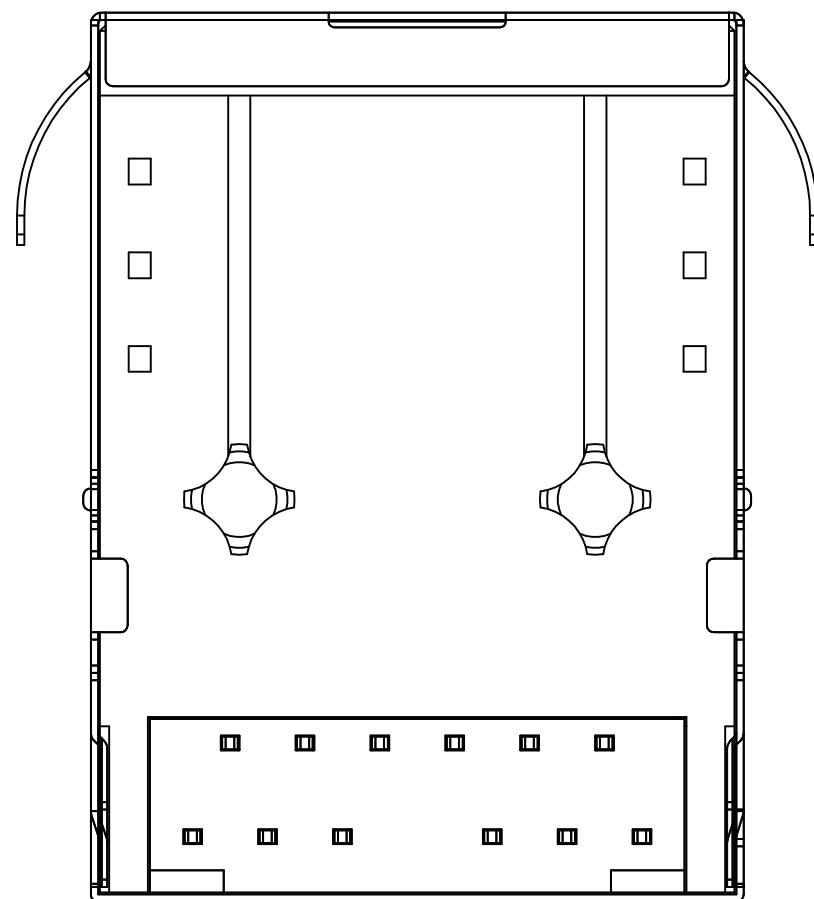
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2021-08-07	



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 C5210R-EH Thickness=0.35mm
Pins: Brass C2680R-H Thickness=0.35mm
Shield: SUS 304-1/2H Thickness=0.2mm
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.



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: LEO	RJ45 CONNECTOR WITH 2.5G BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
ANGLES	±1°	UNIT: mm	PART NO.:	LPJT7200A98NL
		SCALE: 2/1	SHEET: 2/2	REV: A
			DWG NO.:	LP21080731