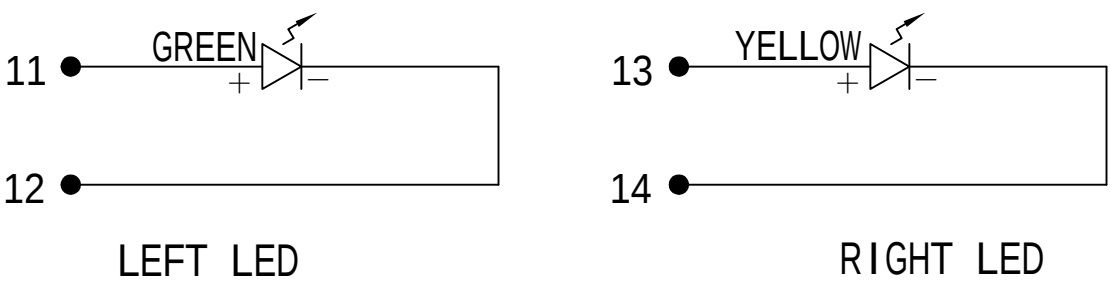
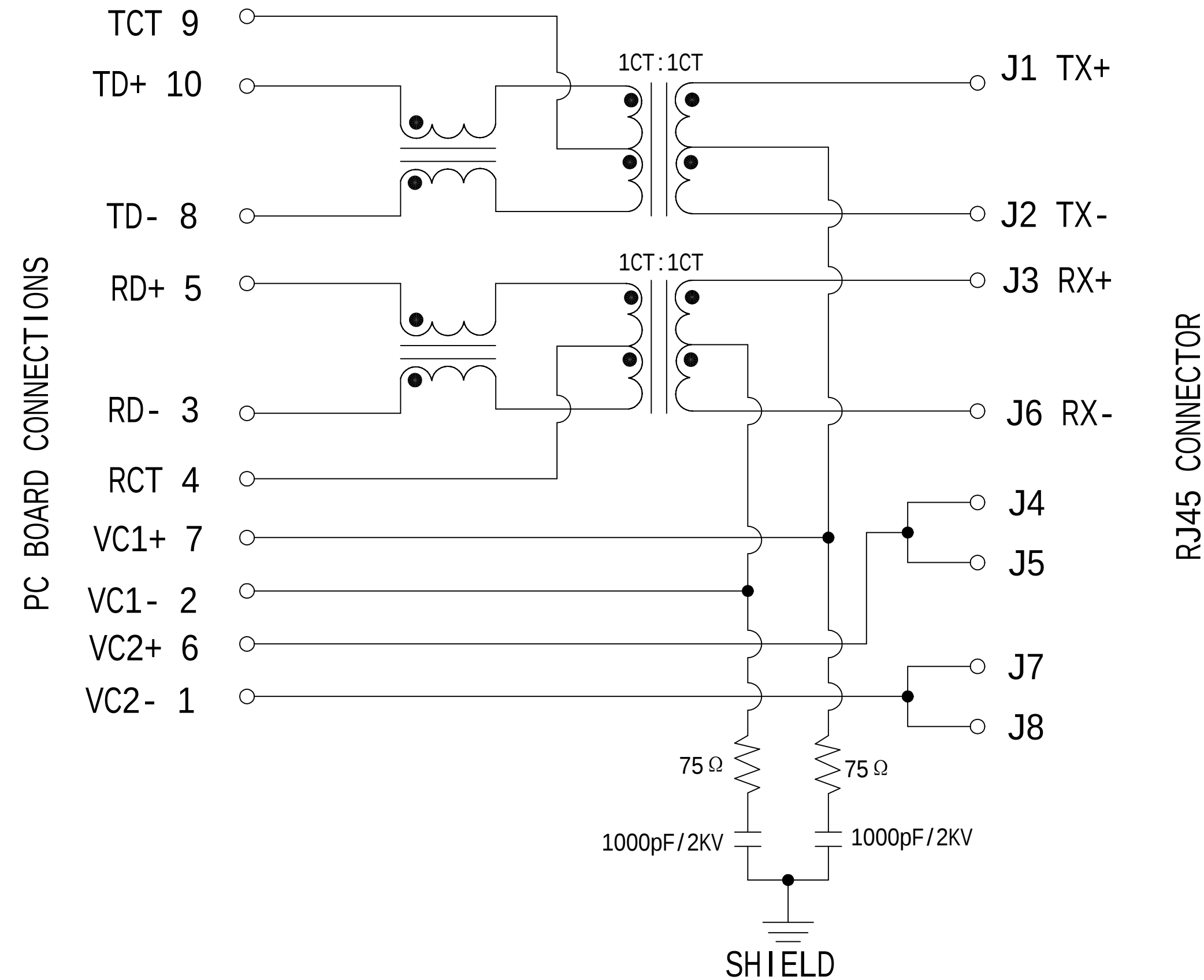


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2024-08-11	

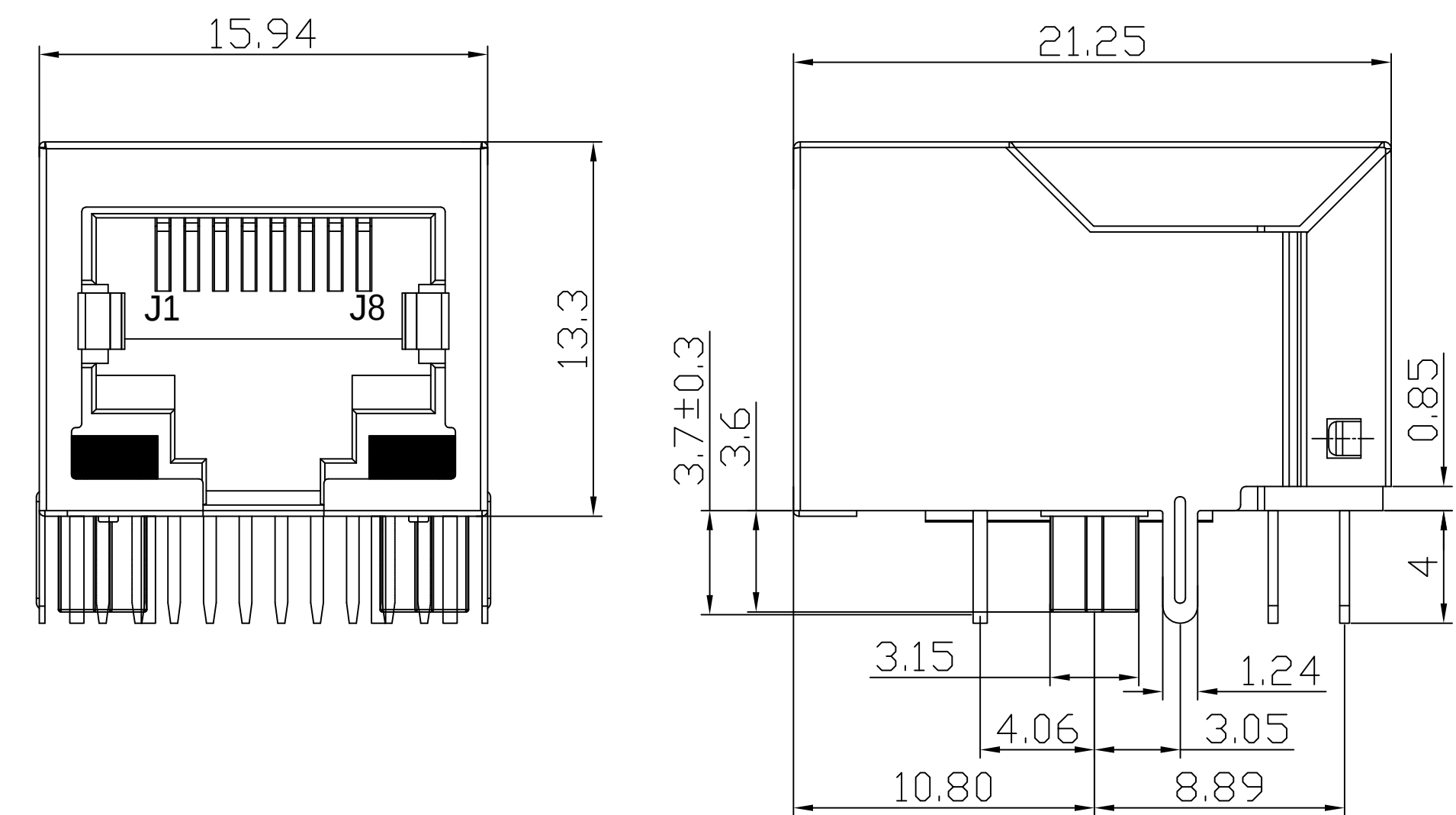
- ELECTRICAL SPECIFICATIONS @25℃
- Turn Ratio : 1CT:1CT±5%
 - OCL: 350uH Min @100KHz,0.1V,8mA DC Bias
 - Insertion Loss (dB Max):
1-100MHz: -1.2
 - Return Loss(dB Min):
1-30MHz: -16 30-60MHz: -12
60-80MHz: -10 80-100MHz: -8
 - Cross Talk(dB Min):
1-100MHz: -30
 - Common Mode Rejection(dB Min):
1-100MHz: -30
 - Balance DC Line current:
350mA MAX,@57VDC Continuous;
 - Isolation PHY SIDE To Line SIDE : 500Vrms
 - Operating Temperature Range: -40℃~+85℃.



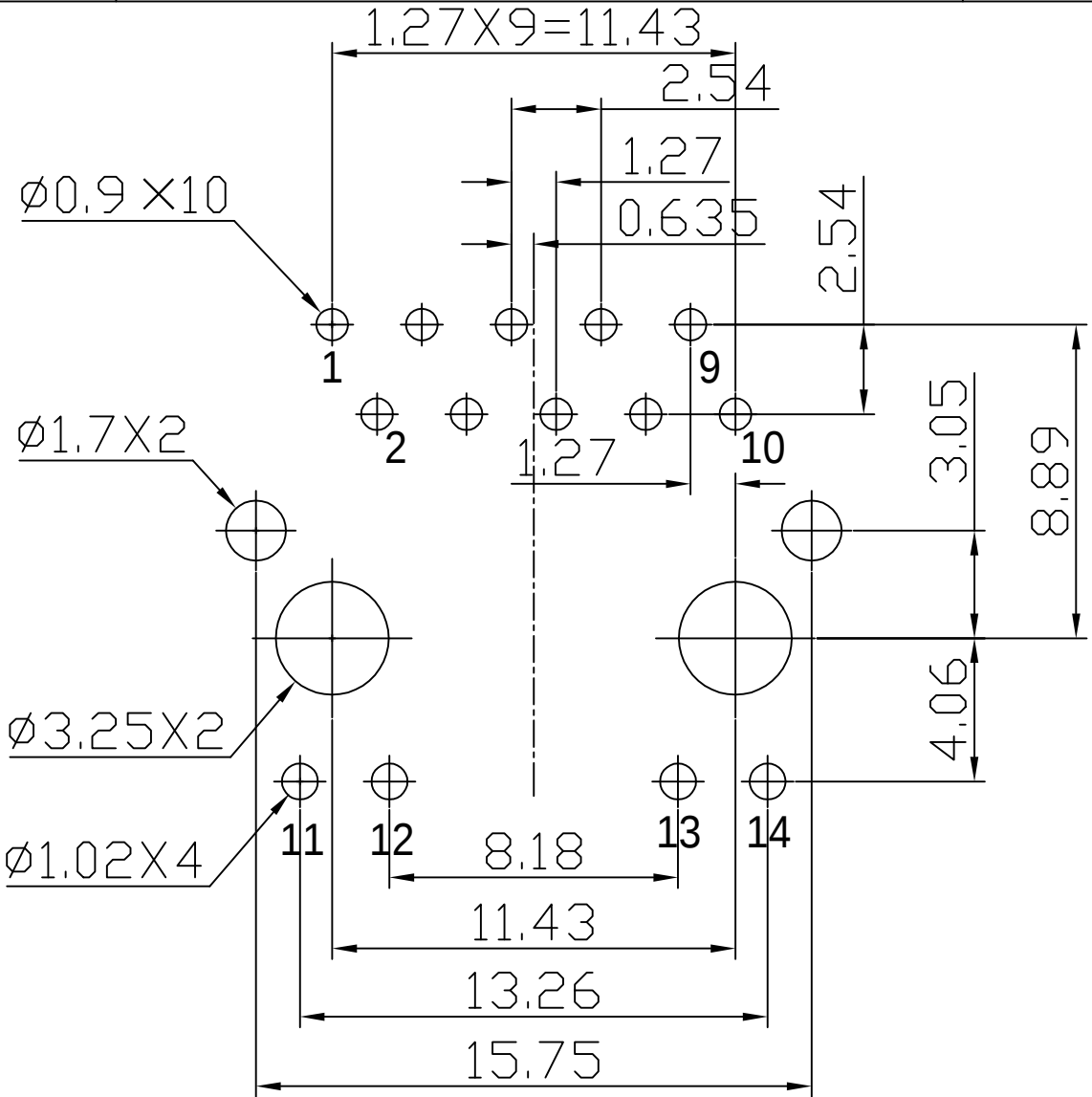
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

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 EMI SPRING FINGER & WITH LED FOR POE APPLICATION	
X.XXX	±0.15	DR: JULY		
ANGLES	±1°	UNIT: mm	PART NO.:	LPJ4301HENL
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.:	LP24081114

Mechanical :



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2024-08-11	



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 Black 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: RJ45 CONNECTOR WITH 10/100 BASE-TINTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED FOR POE APPLICATION	
X.XXX	±0.15	DR: JULY		
ANGLES	±1°	UNIT: mm	PART NO.:	LPJ4301HENL
		SCALE: 2/1	SHEET: 2/2	REV: A
			DWG NO.:	LP24081114