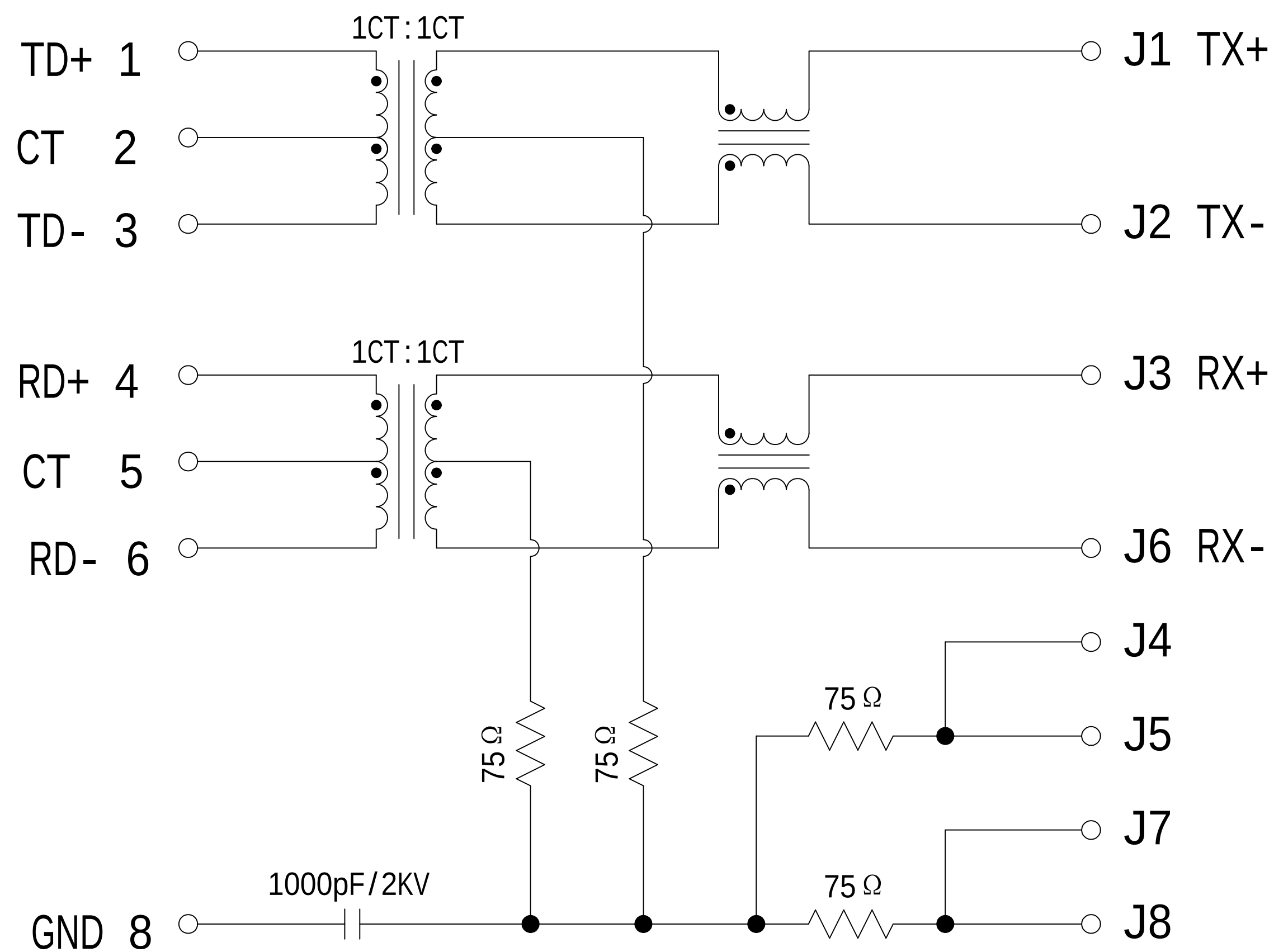


Schematic:

PC BOARD CONNECTIONS



RJ45 CONNECTOR

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-10-13	LP014082

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):

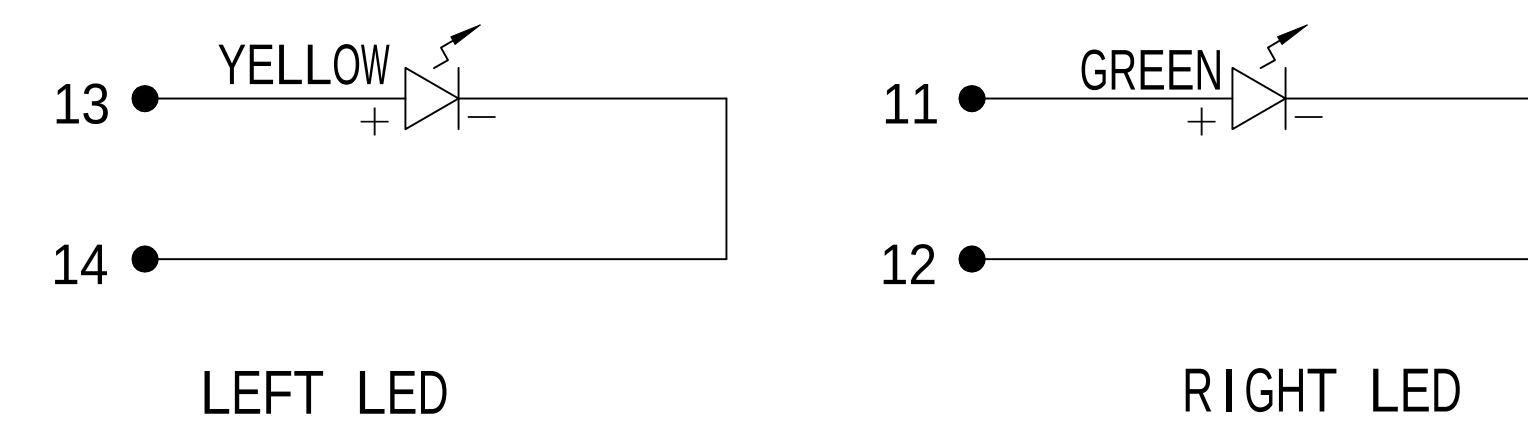
1-100MHz: -30

6.Common Mode Rejection(dB Min):

1-100MHz: -30

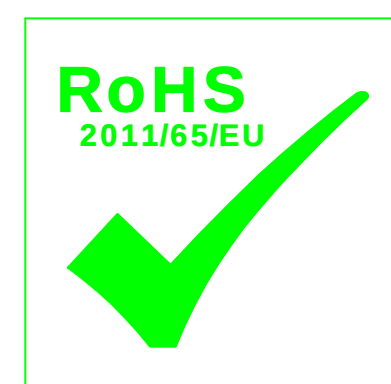
7.Isolation PHY SIDE To Line SIDE : 1500Vrms

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



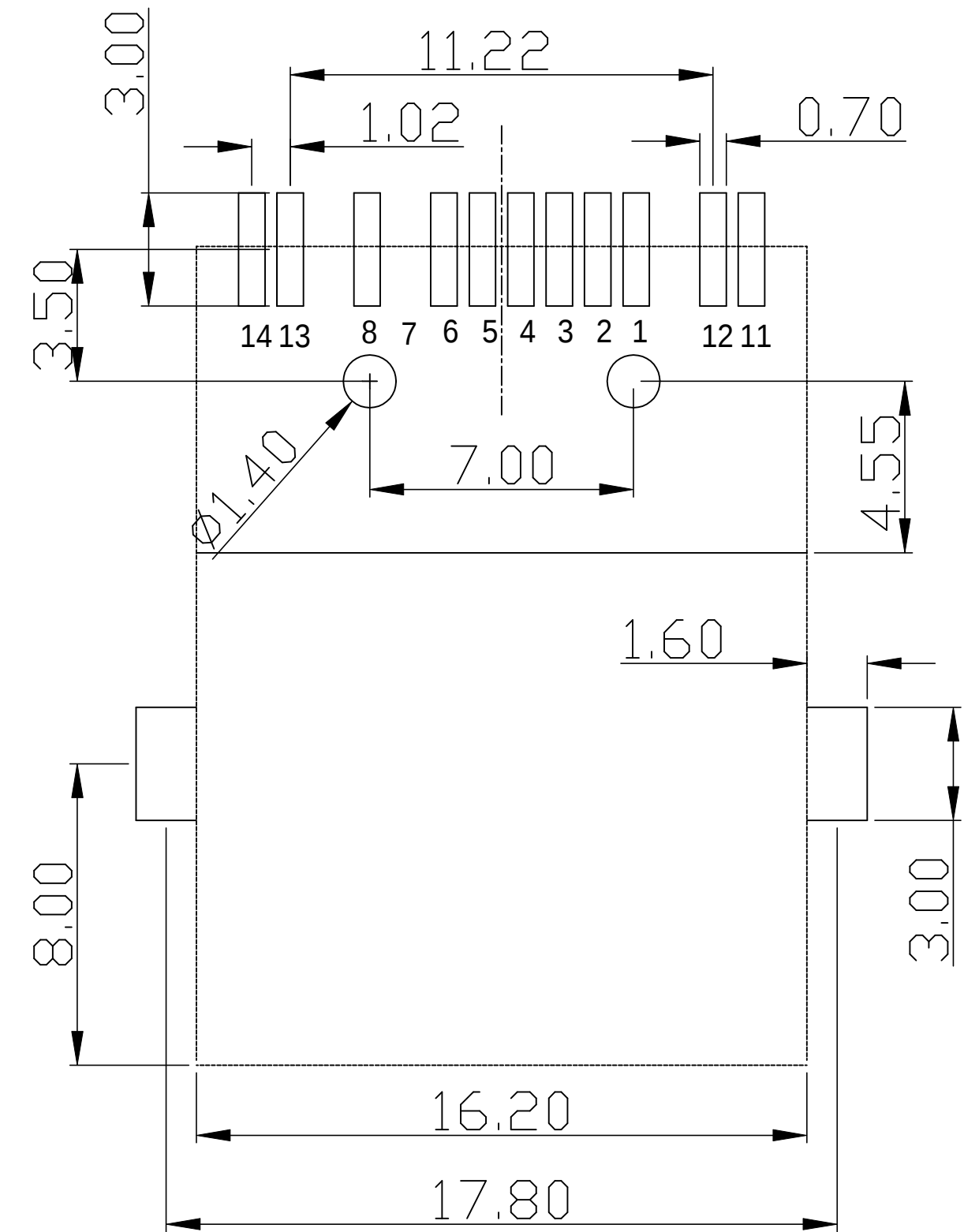
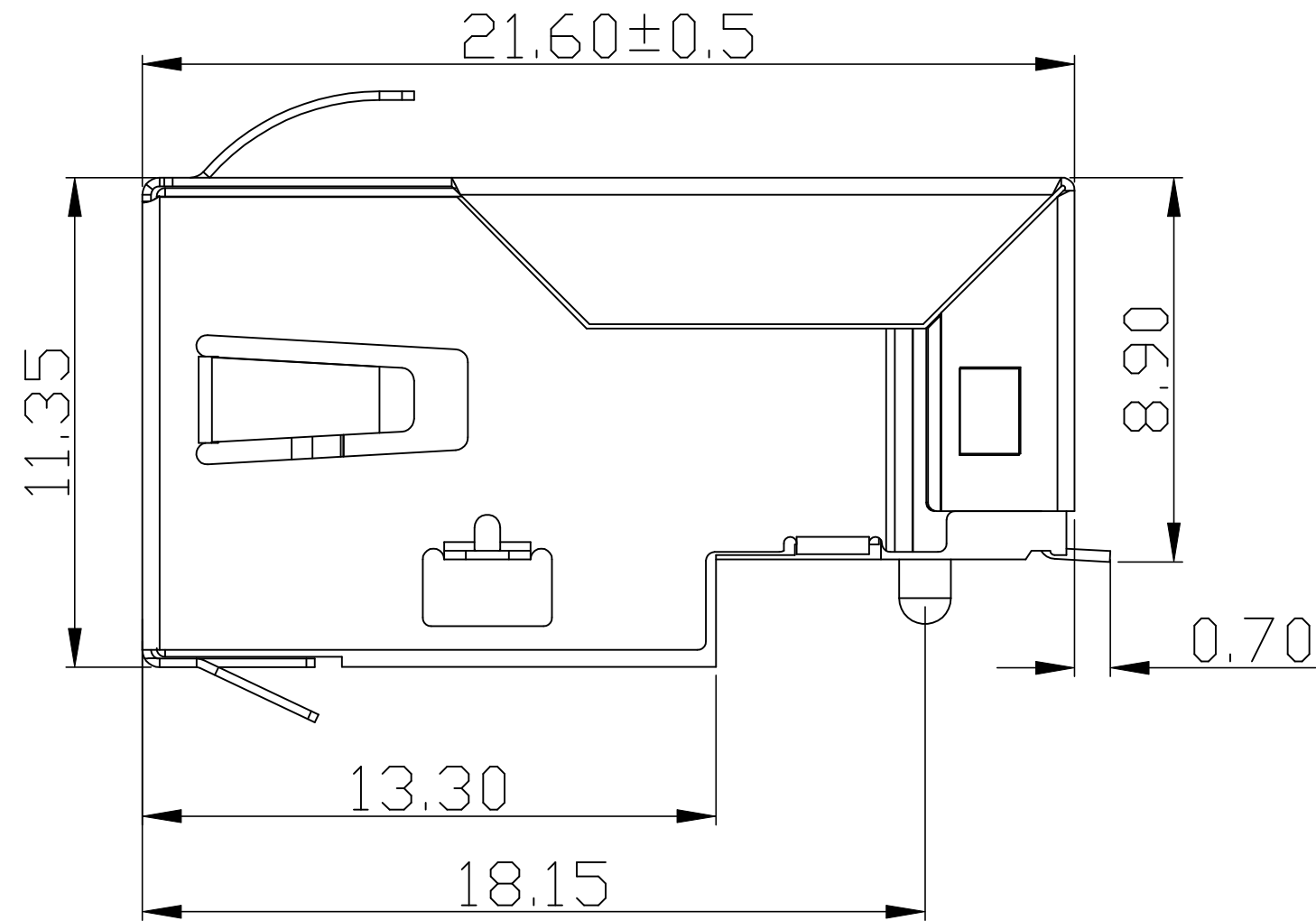
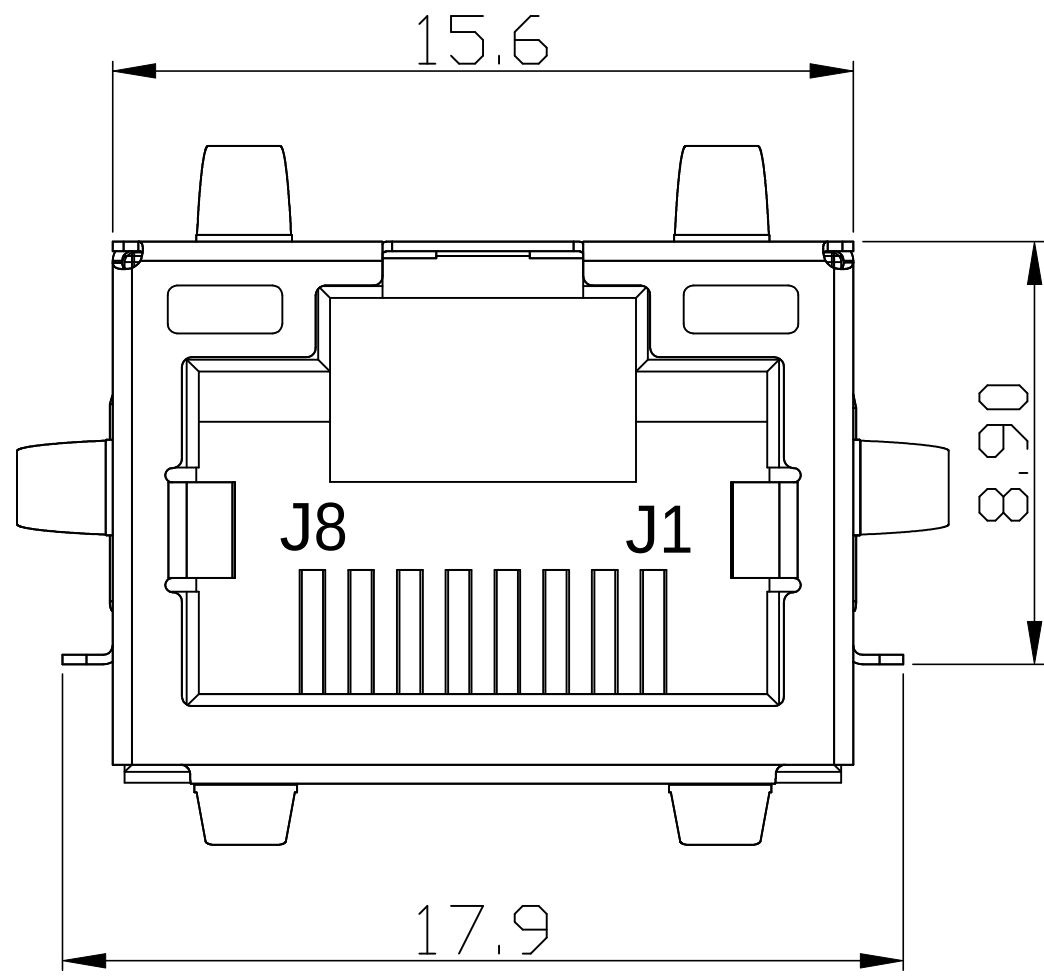
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 SMT CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.: LPJ19911ADNL	
		SCALE: 2/1	SHEET: 1/3	REV: A
				DWG NO.: LP22101304



Mechanical:

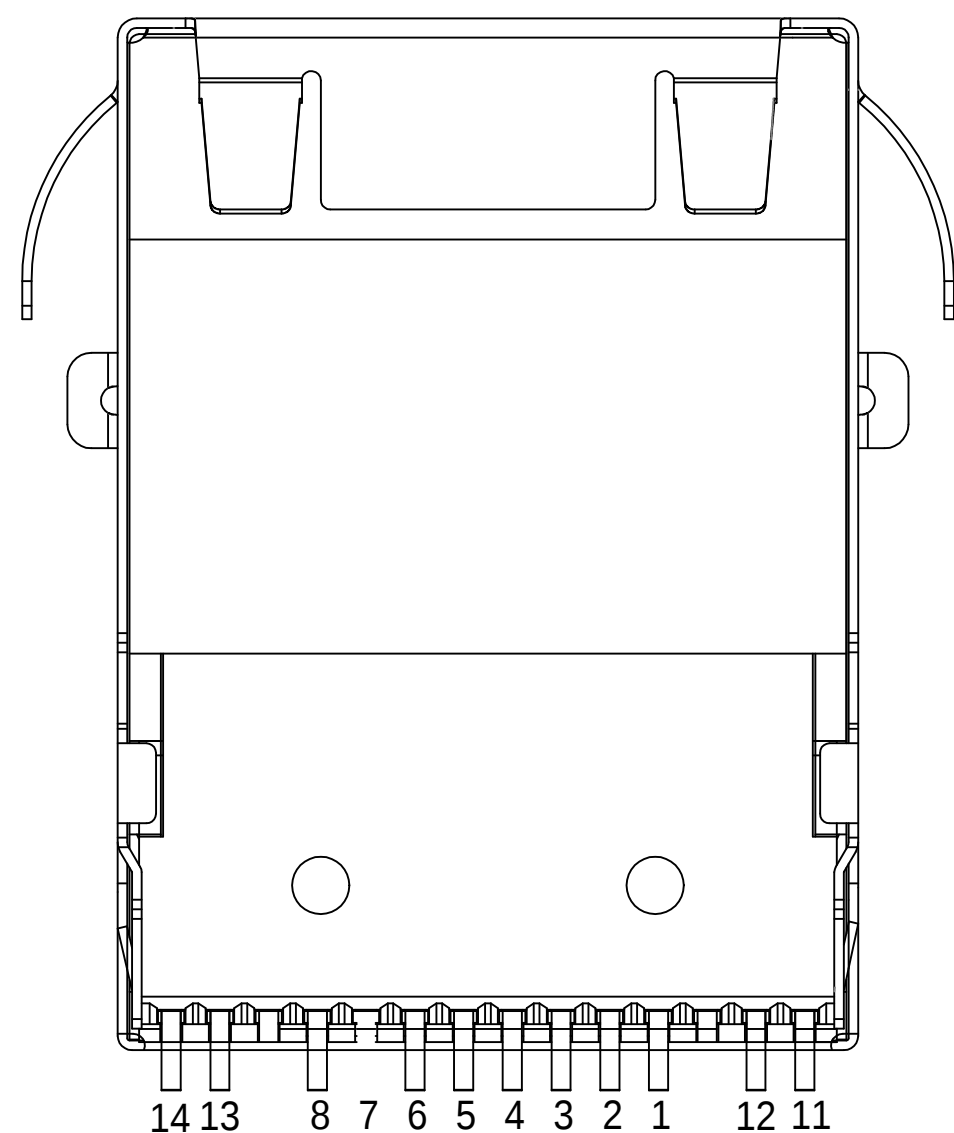
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-10-13	LP014082



RECOMMENDED PCB LAYOUT(TOP VIEW)

NOTES:

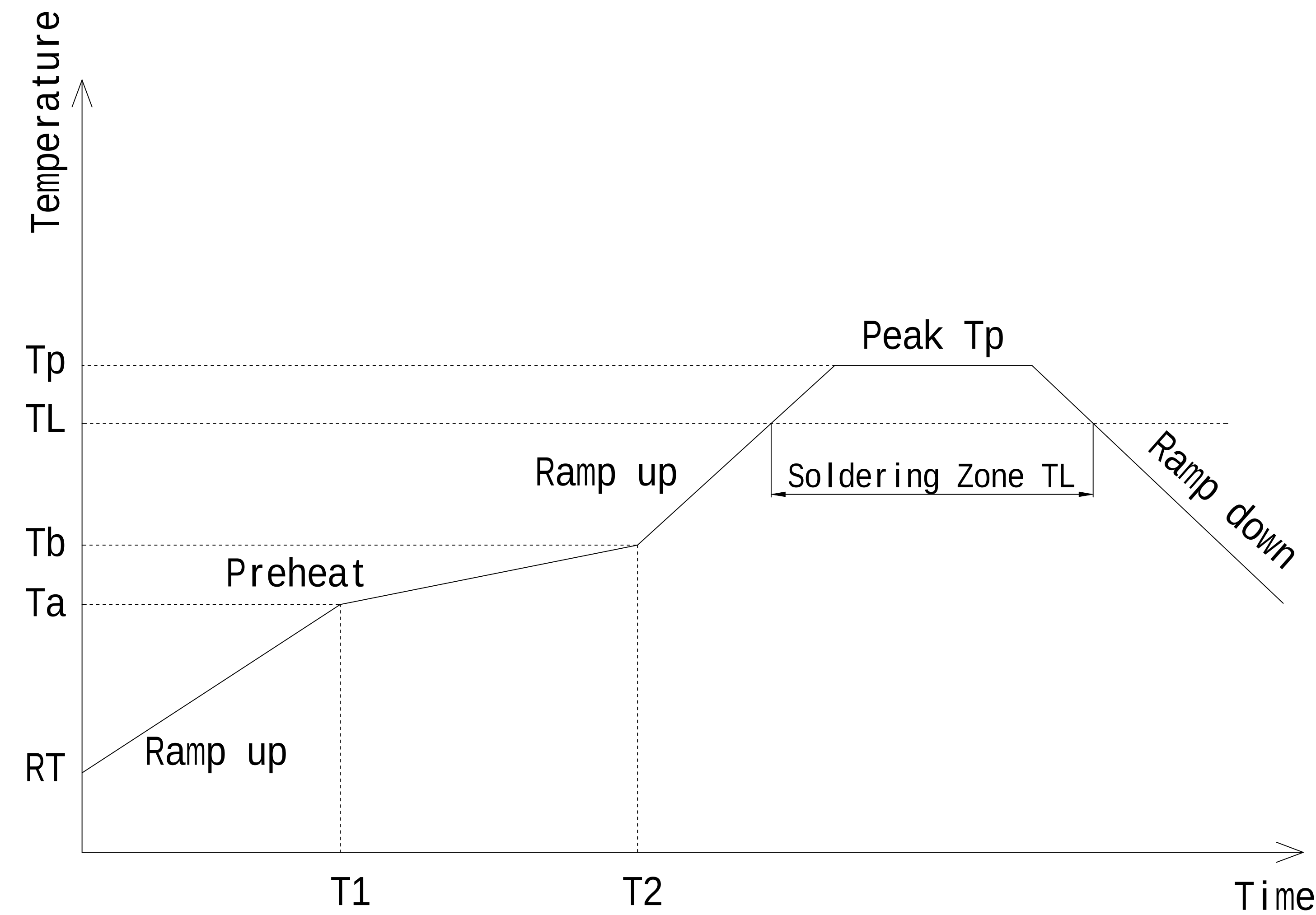
- 1.Designed to support application,such as SOHO(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
- 2.Meets IEEE802.3 specification.
- 3.Connector Materials:
Housing: Thermoplastic LCP Black UL94V-0
Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
Pins: Brass C2680R-H Thickness=0.35mm
Shield: SUS 304-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min.In contact area.
- 4.Reflow solder tip temperature: 250℃ Max, 5 Sec Max
- 5.UL Certification: File Number E484635.



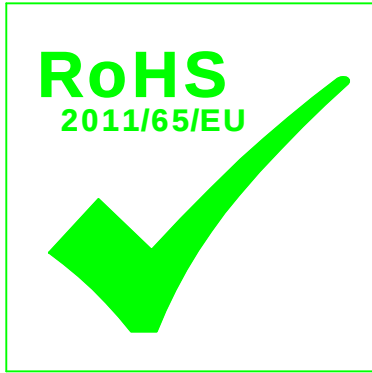
X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: LEO	RJ45 SMT CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
ANGLES	±1°	UNIT: mm	PART NO.:	LPJ19911ADNL
		SCALE: 2/1	SHEET: 2/3	REV: A
				DWG NO.: LP22101304

IR Reflow:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-10-13	LP014082



- ◆ PREHEAT:
TEMPERATURE(TA-TB):150-200℃
TIME(T1-T2):60-180S
- ◆ HOLDING TEMPERATURE:217℃
TIME(TL):60-150S
- ◆ MAX TEMPERATURE(TP):250(+0/-5℃)
MAX TIME(TP):5S
- ◆ THE AVERAGE SPEED:3℃/S MAX
THE AVERAGE COOLING SPEED:6℃/S MAX
- ◆ FROM 25℃ TO PRODUCTS OUT OF THE FURNACE:6 MINUTES MAX



X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 SMT CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.: LPJ19911ADNL	
		SCALE: 2/1	SHEET: 3/3	REV: A DWG NO.: LP22101304