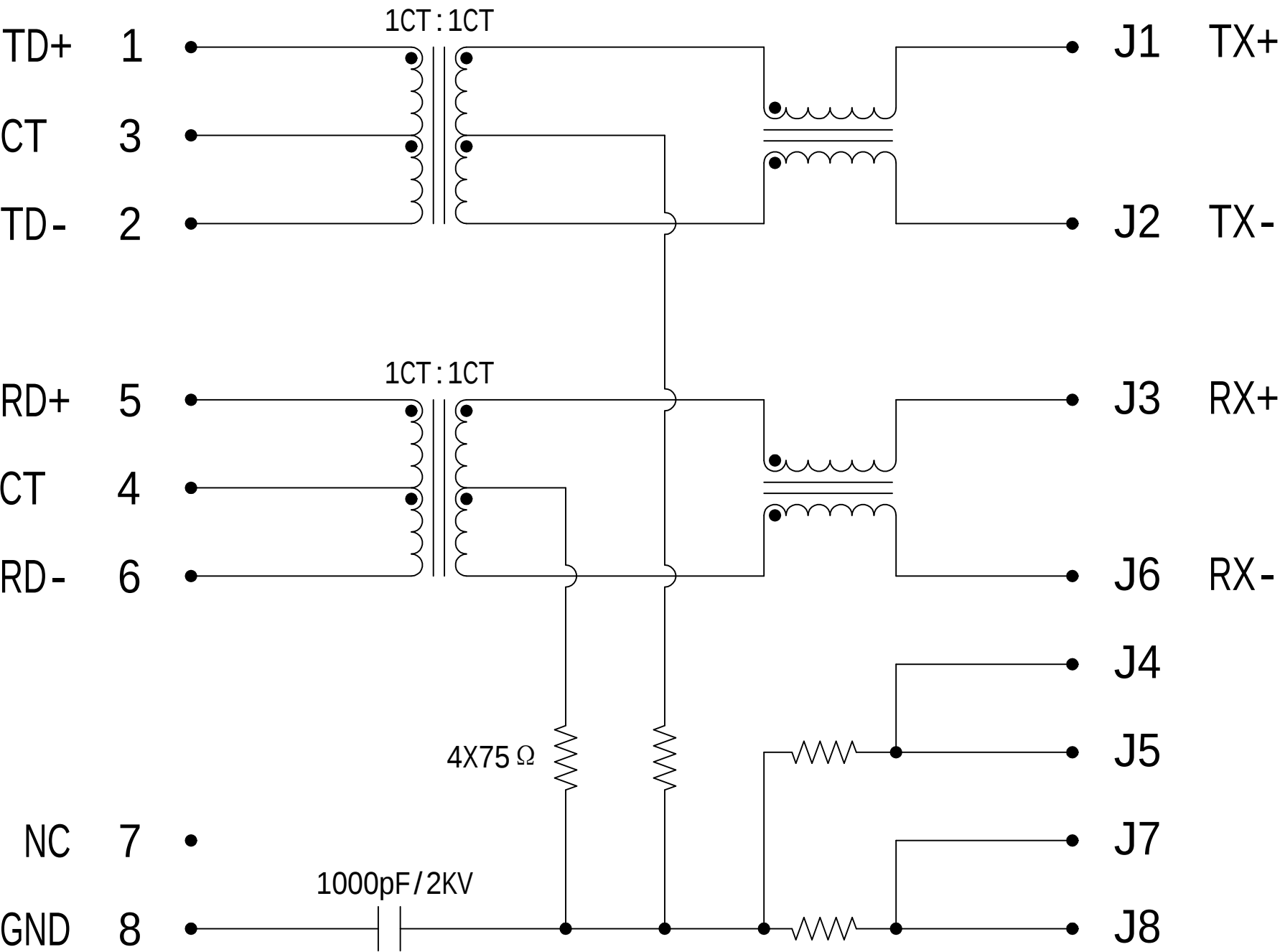


Schematic:

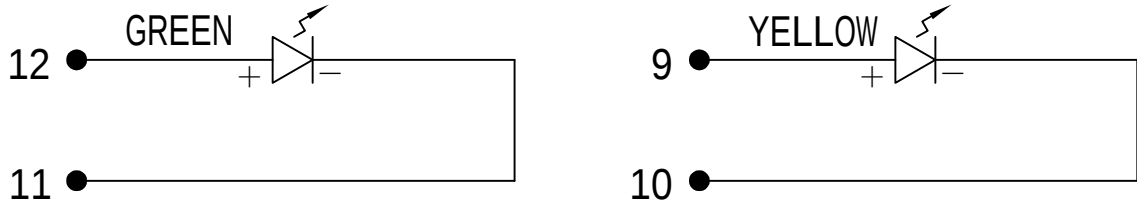
PC BOARD CONNECTIONS



RJ45 CONNECTOR

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-11	

- ELECTRICAL SPECIFICATIONS @25℃
- 1.Turn Ratio: 1CT:1±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℃.



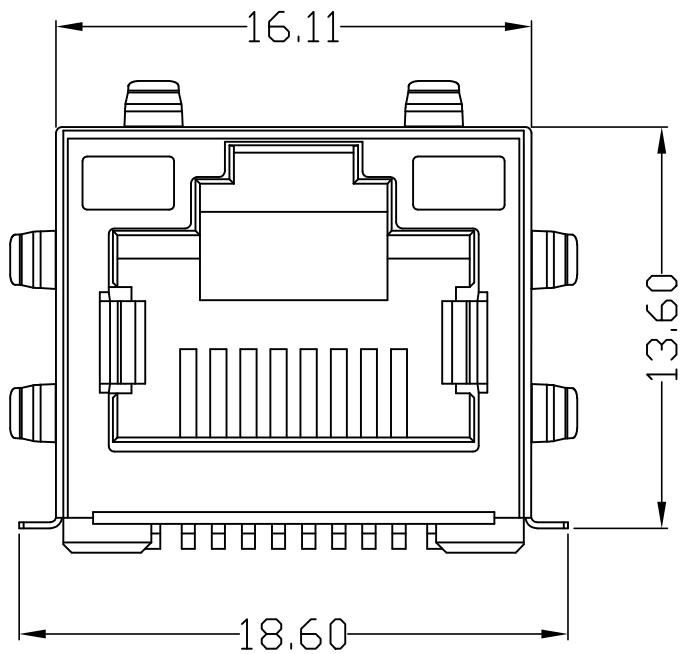
LEFT LED		RIGHT LED	
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



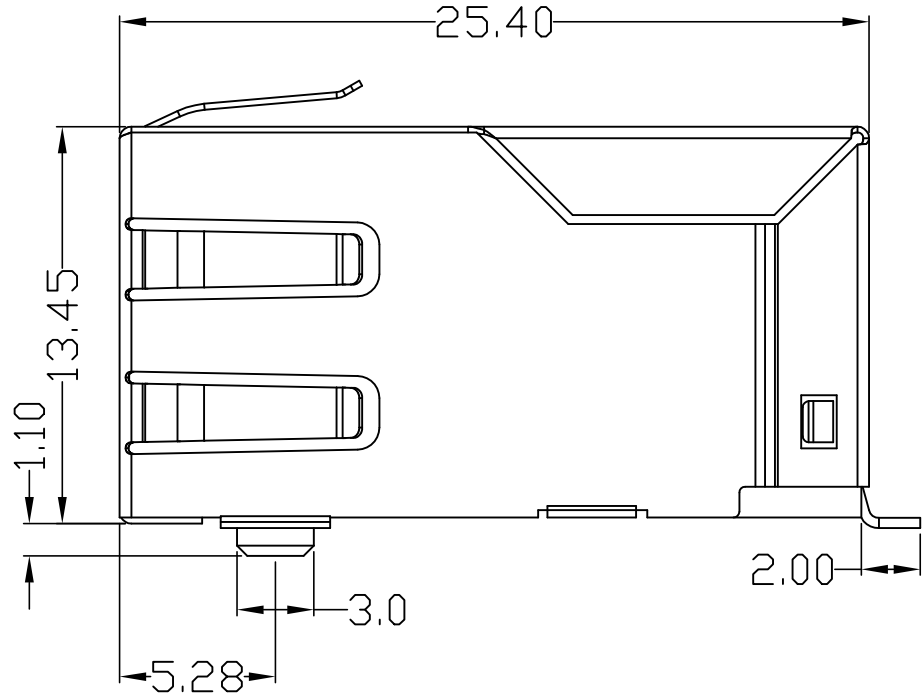
X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 1X1 SMT CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.: LPJ3011ABNL	
		SCALE: 2/1	SHEET: 1/3	REV: A
			DWG NO.: LP15051185	

Mechanical :

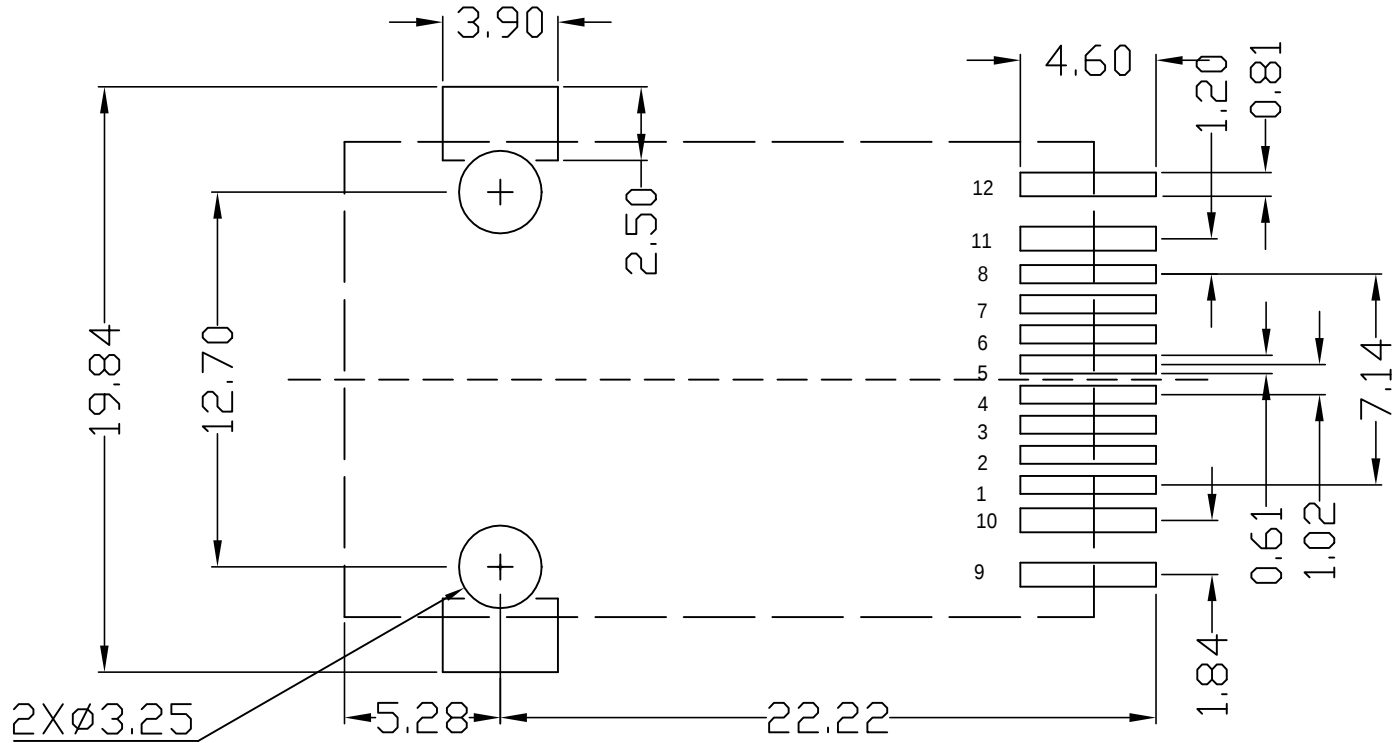
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-11	



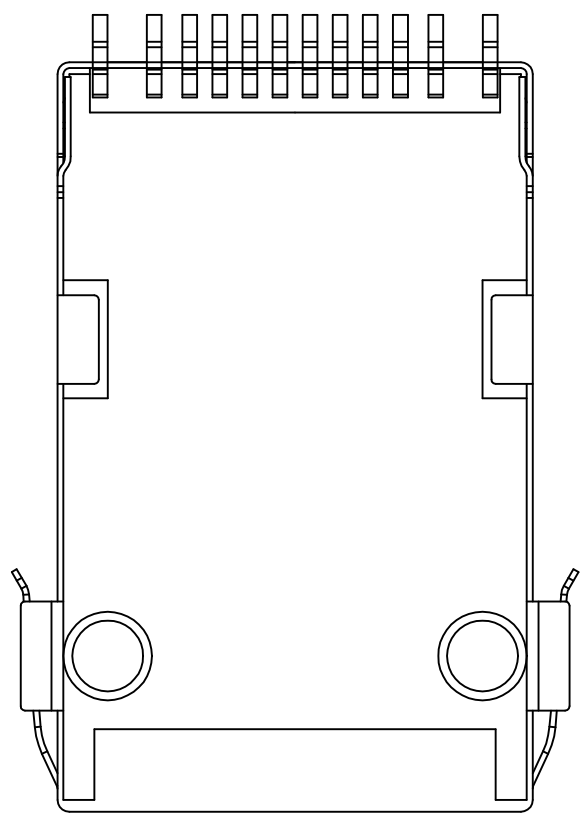
Front Side View



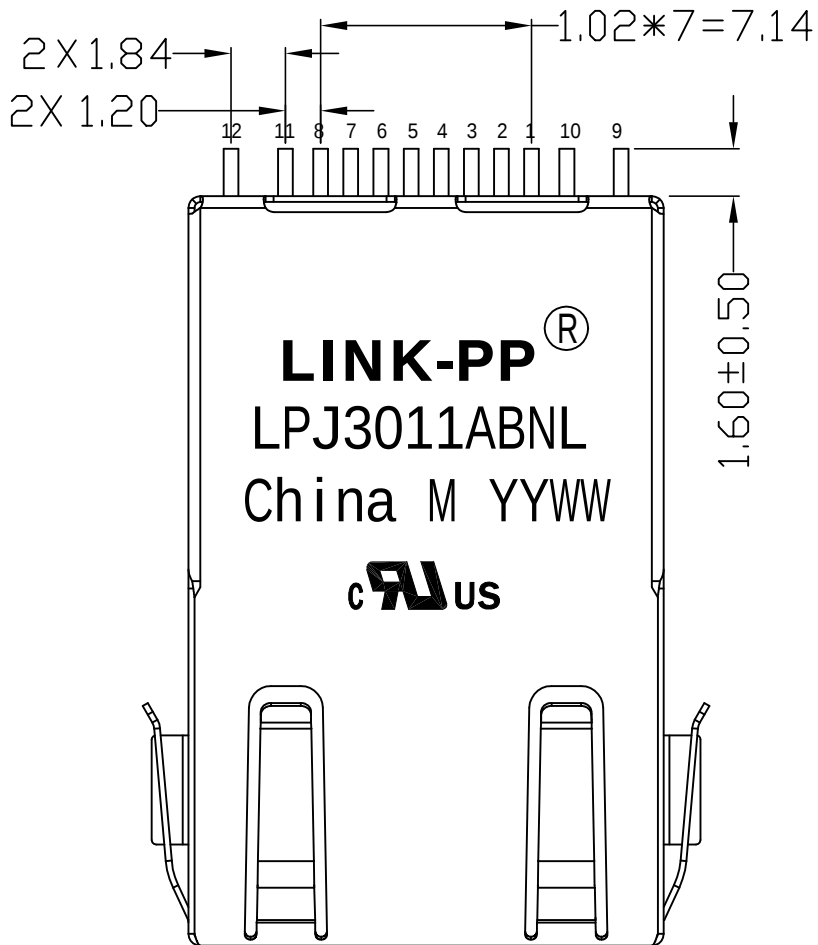
Left Side View



Suggested PCB Layout



Bottom Side View



Top Side View

NOTES:

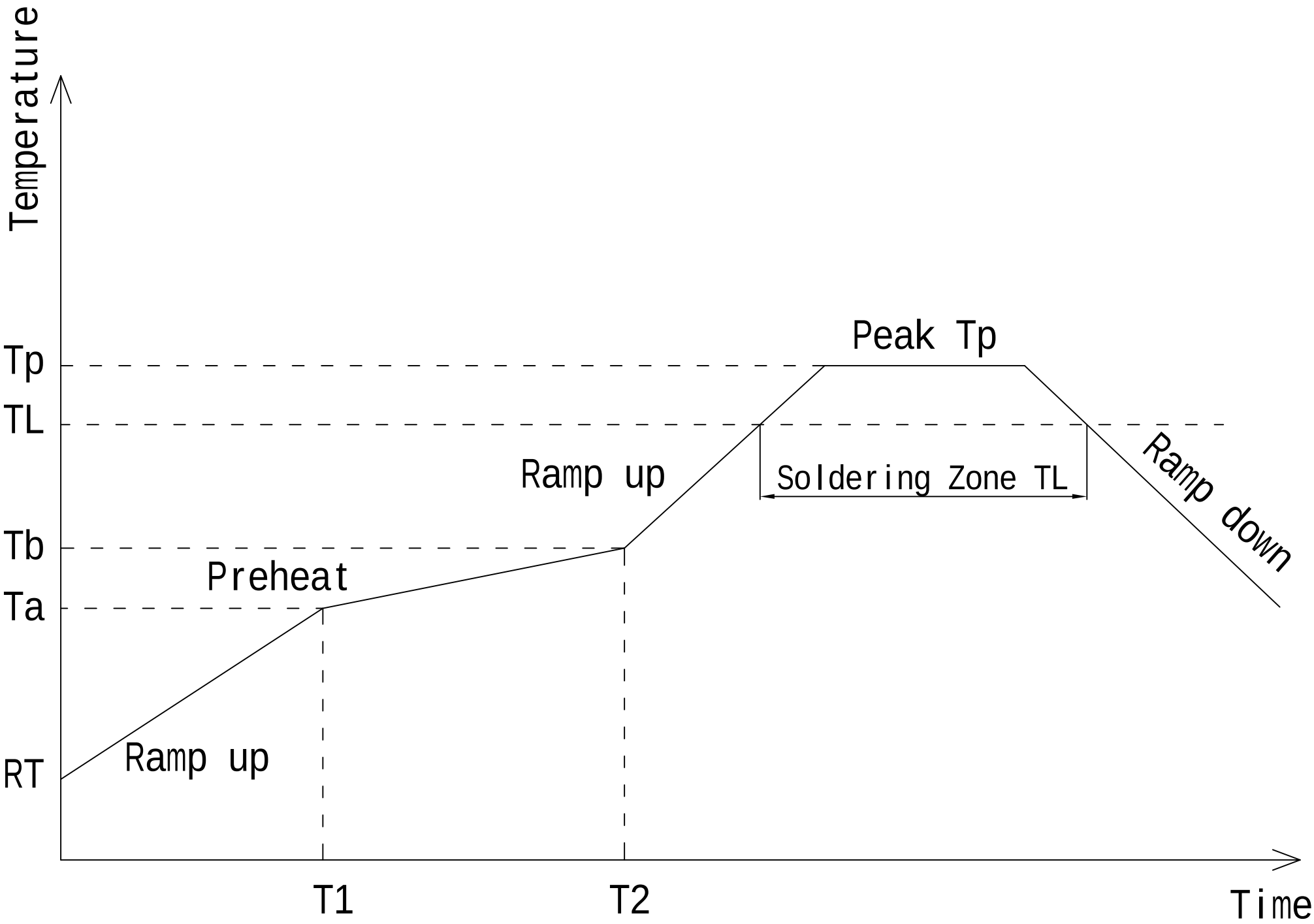
- 1.Designed to support application,such as SOHO(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
- 2.Meets IEEE802.3 specification.
- 3.Connector Materials:
Housing: Thermoplastic LCP+30%G.F UL94V-0
Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
Pins: Brass C2680R-H Thickness=0.35mm
Shield: SUS 304-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min.In contact area.
- 4.reflow temperature: 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 1X1 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.:	LPJ3011ABNL
		SCALE: 2/1	SHEET: 2/3	REV: A
			DWG NO.:	LP15051185



IR Reflow:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-11	



- ◆ 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:	
X.XXX	±0.15	DR: LEO	RJ45 1X1 SMT CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
ANGLES	±1°	UNIT: mm	PART NO.:	LPJ3011ABNL
		SCALE: 2/1	SHEET: 3/3	REV: A
			DWG NO.:	LP15051185