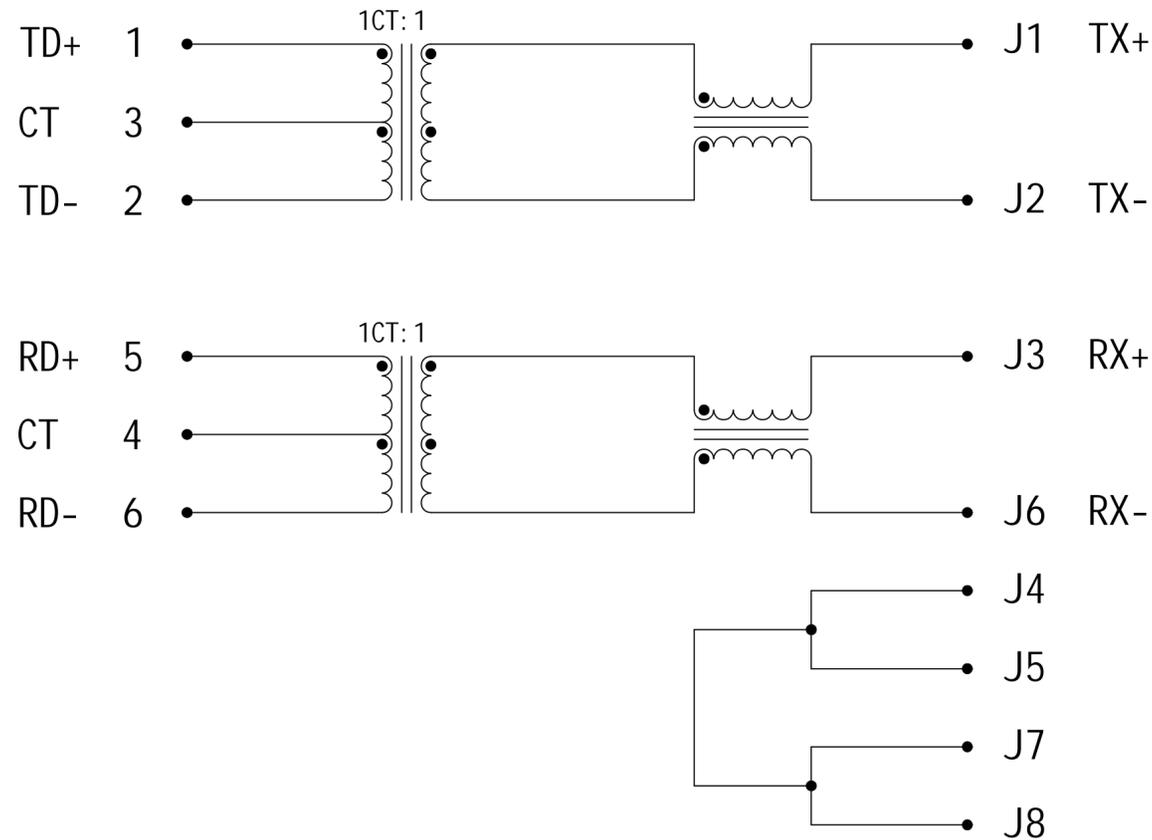


Schematic:

PCB SIDE TO PHY

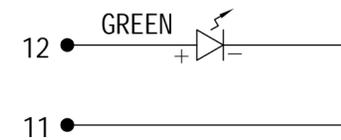


CABLE SIDE

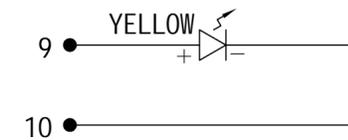
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012-03-01	

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio: 1CT:1±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
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature Range: 0°C~+70°C.



LEFT LED



RIGHT LED

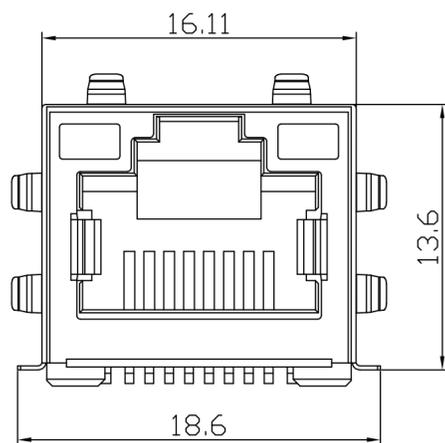
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



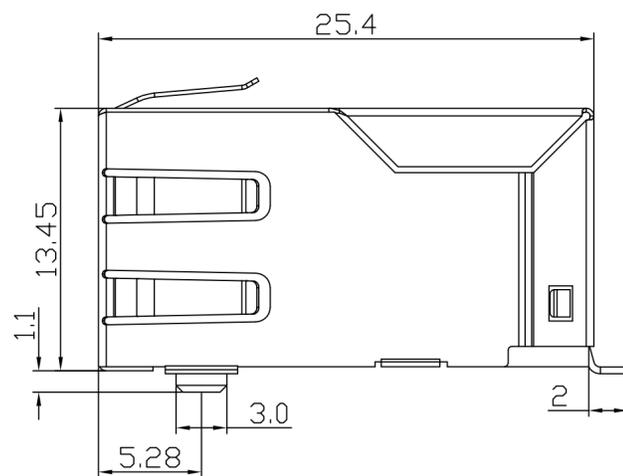
X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: LEO	RJ45 1X1 SMT CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
ANGLES	±1°	UNIT: mm	PART NO.:	LPJ19394ABNL
	SCALE: 2/1	SHEET: 1/3	REV: A	DWG NO.: LP12030101

Mechanical :

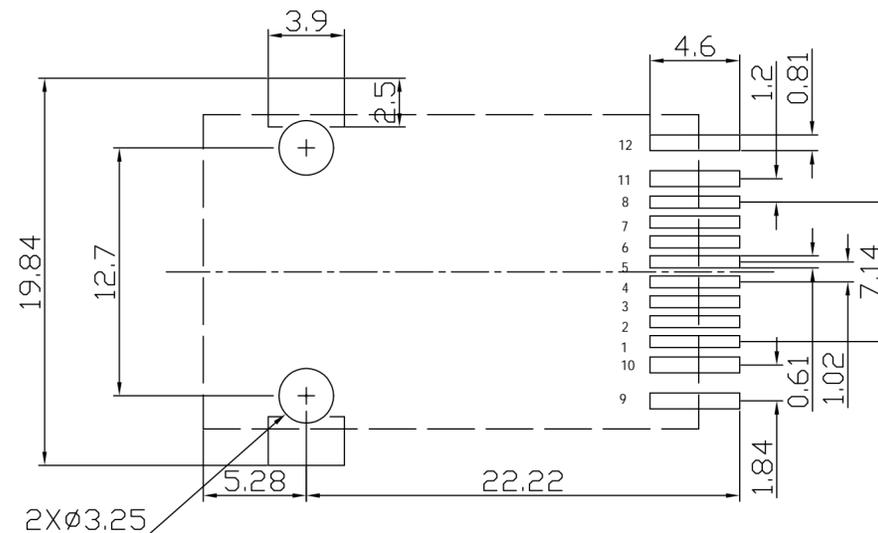
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012-03-01	



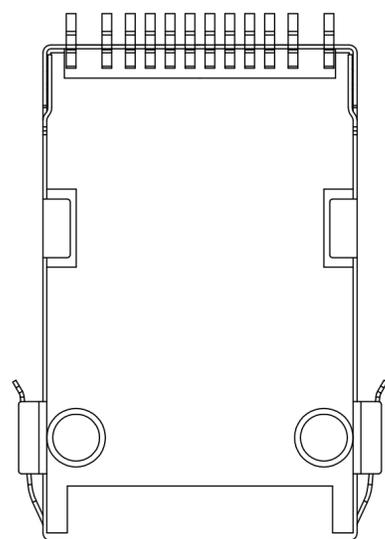
Front Side View



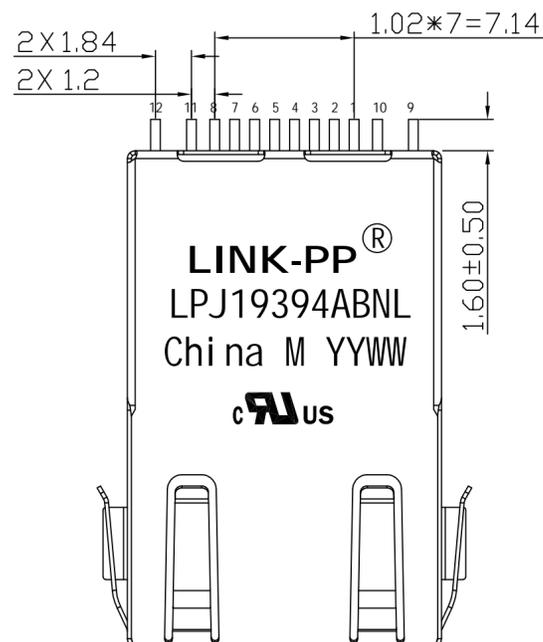
Left Side View



Suggested PCB Layout



Bottom Side View



Top Side View

NOTES:

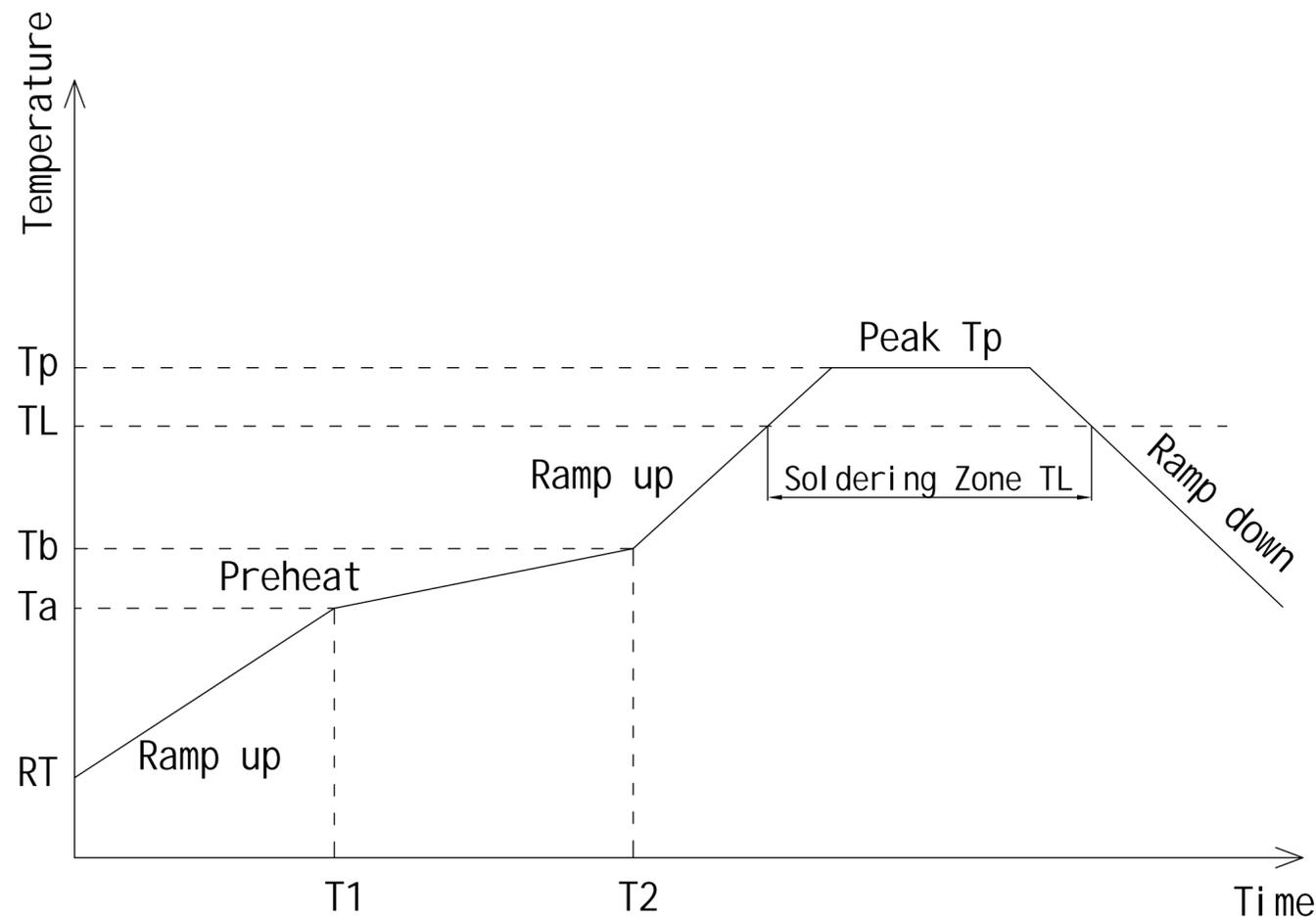
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE802.3 specification.
3. Connector Materials:
 Housing: Thermoplastic LCP+30%G.F UL94V-0
 Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
 Pins: Brass C2680R-H Thickness=0.35mm
 Shield: SUS 304-1/2H Thickness=0.2mm
 Contact plating: Gold 6 micro-inches min. In contact area.
4. reflow temperature: 250°C, 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 1X1 SMT CONNECTOR WITH 10/100 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED
ANGLES	±1°	UNIT: mm	PART NO.: LPJ19394ABNL
	SCALE: 2/1	SHEET: 2/3	REV: A DWG NO.: LP12030101



IR Reflow:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012-03-01	



- ◆ PREHEAT:
TEMPERATURE (TA-TB): 150-200°C
TIME (T1-T2): 60-180S
- ◆ HOLDING TEMPERATURE: 217°C
TIME (TL): 60-150S
- ◆ MAX TEMPERATURE (TP): 250(+0/-5°C)
MAX TIME (TP): 5S
- ◆ THE AVERAGE SPEED: 3°C/S MAX
THE AVERAGE COOLING SPEED: 6°C/S MAX
- ◆ FROM 25°C 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.:	LPJ19394ABNL
		SCALE: 2/1	SHEET: 3/3	REV: A
			DWG NO.:	LP12030101

