

Schematic:

PCB SIDE TO PHY

1CT:1CT

TD+ 1

CT 3

TD- 2

RD+ 5

CT 4

RD- 6

NC 7

8

0.001uF

75Ω

75Ω

75Ω

75Ω

J4

J5

J7

J8

1CT:1CT

J1 TX+

J2 TX-

J3 RX+

J6 RX-

CABLE

GREEN

12

11

LEFT LED

YELLOW

9

10

RIGHT LED

Emitting Color	λp(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max

RoHS

2011/65/EU

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2017-07-03	

ELECTRICAL SPECIFICATIONS @25℃

1. Turn Ratio(±3%) :

TX=1CT:1CT RX=1CT:1CT

2. Inductance OCL:

350uH MIN @100KHz 0.1V 8mA DC Bias

3. DCR: 1.2Ω MAX

4. Insertion Loss:

-1.0dB MAX @1~100MHz

5. Return Loss:

-18dB MIN @1~30MHz

-15dB MIN @30~60MHz

-12dB MIN @60~100MHz

6. Cross talk:

-40dB MIN @1~30MHz

-35dB MIN @30~60MHz

-30dB MIN @60~100MHz

7. Common Mode Rejection:

-30dB MIN @1~50MHz

-20dB MIN @50~100MHz

8. Isolation PHY SIDE To Line SIDE : 1500Vrms

9. Operating Temperature Range: 0℃~70℃.

X:X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD: JAMES		
X:XXX	±0.05	DR: LEO		
ANGLES ±1°		UNIT: mm	PART NO.: LPJ19365ABNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP17070319

LINK-PP

Website: <http://www.link-pp.com>

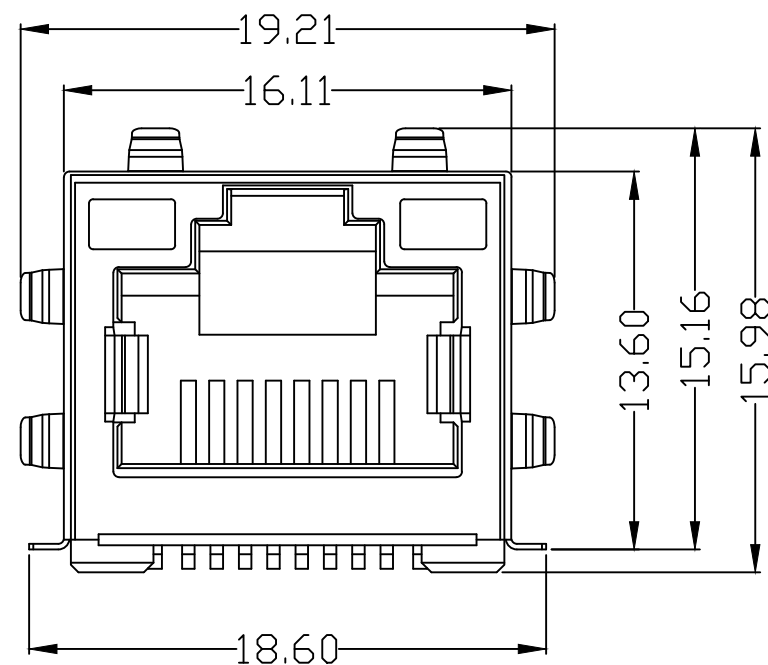
Email: info@link-pp.com

Tel: +86-0752-3322916

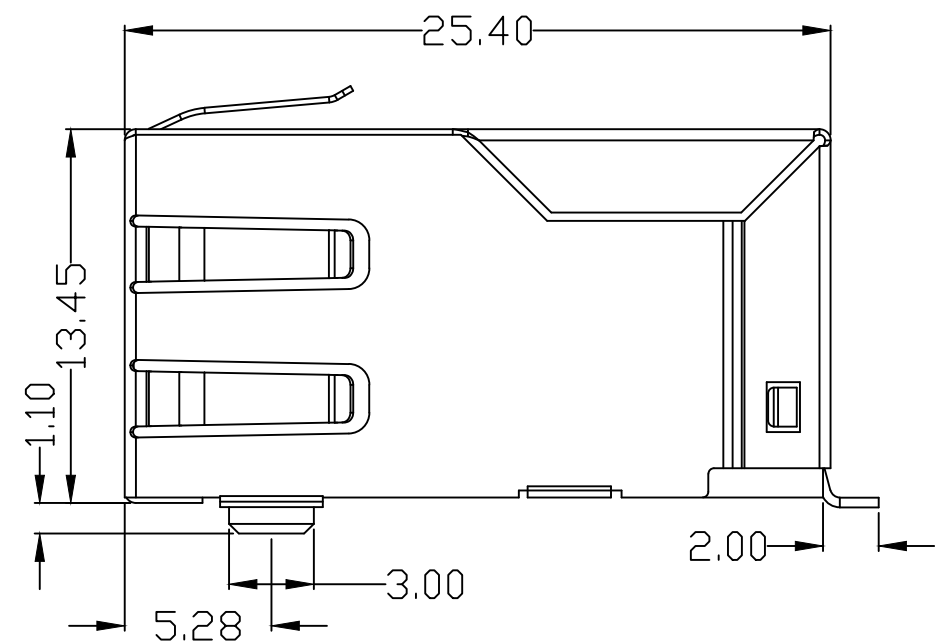
Fax: +86-0752-3161926

Mechanical:

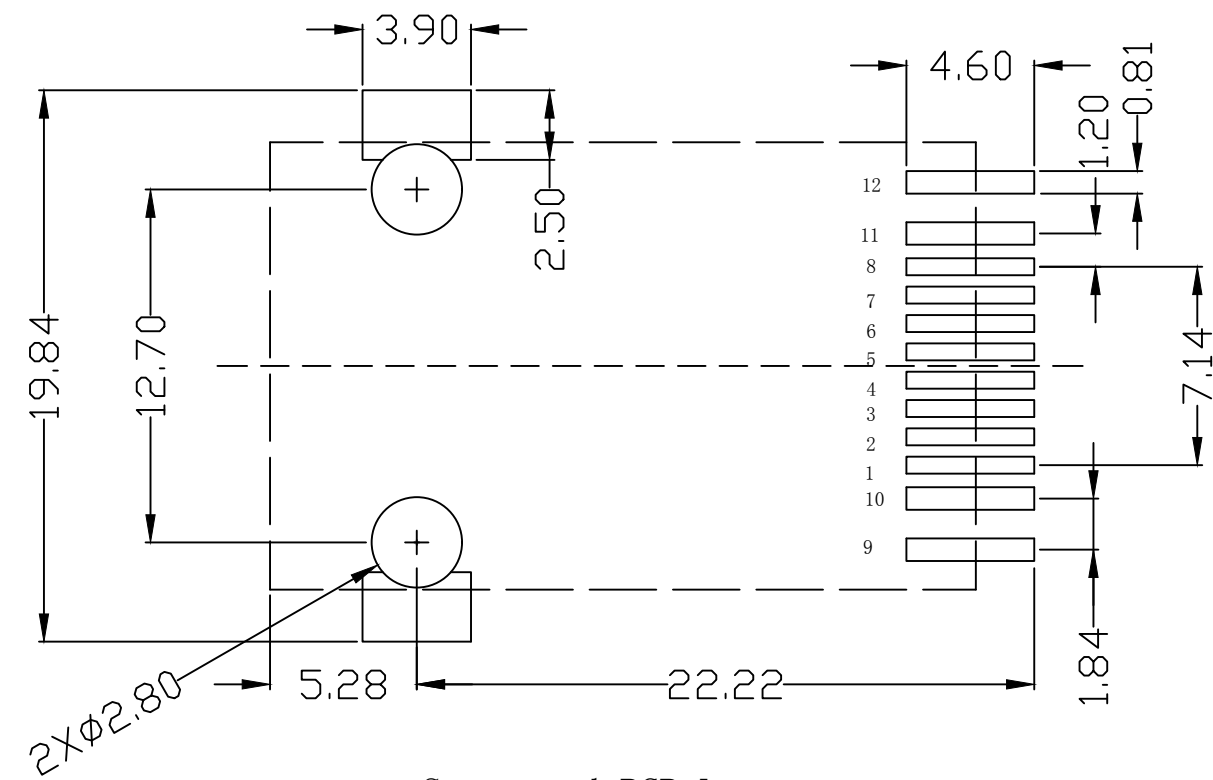
REV.	ECN NO.	DESCRIPTION	DATE	APPD
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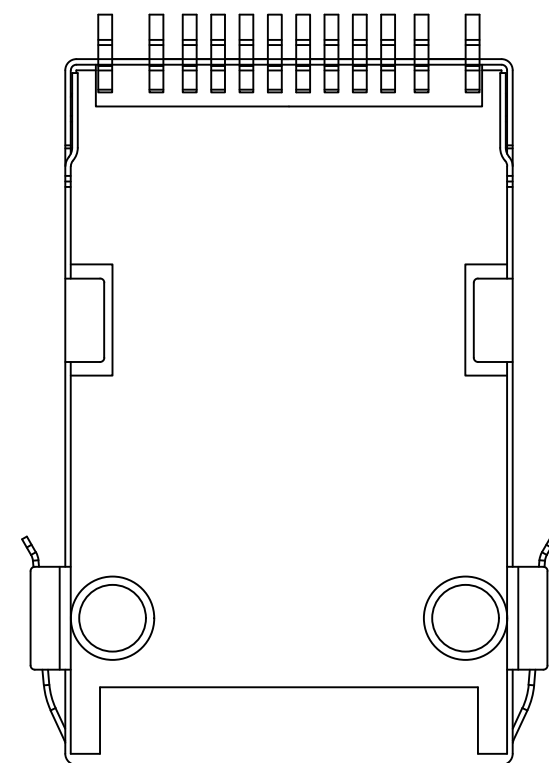
Front Side View



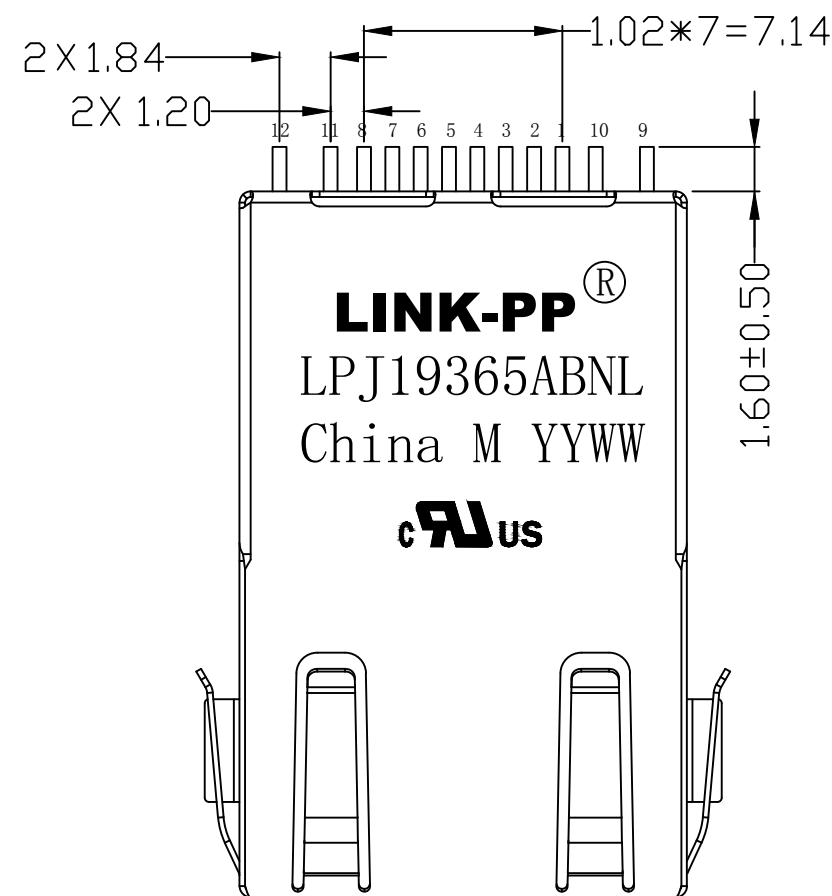
Left Side View



Suggested PCB Layout



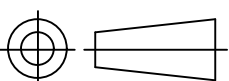
Bottow Side View



Top Side View

NOTES:

- 1.Meets IEEE 802.3 specification
- 2.Connector Materials:
Housing Material:Thermoplastic LCP+30%G.F UL94V-0
Contact Material:Phosphor Bronze C5210R-EH Thickness=0.35mm
Pins:Brass C2680R-H Thickness=0.35mm
Shield:SUS 201-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min.In contact area.
- 3.Maximun reflow temperature is 250℃,5 Sec.
- 4.UL Certification: File Number E484635.

X:X ±0.30		APPD: TOM		LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ±0.25		CHKD: JAMES			
X:XXX ±0.05		DR: LEO		TITLE: Surface Mount 1×1 Tab-Up Jack With 10/100M Magnetic	
ANGLES ±1°		UNIT: mm			
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP17070319

