

Schematic:

PCB SIDE TO PHY

TD1+1

TD1-2

TD2+3

TD2-4

TD3+5

TD3-6

TD4+7

TD4-8

CT9

GND10

1CT : 1CT

1CT : 1CT

1CT : 1CT

1CT : 1CT

75Ω

75Ω

75Ω

75Ω

J1 TX1+

J2 TX1-

J3 TX2+

J6 TX2-

J4 TX3+

J5 TX3-

J7 TX4+

J8 TX4-

1000pF/2KV

SHIELD

CABLE SIDE

11

12

GREEN

YELLOW

LEFT LED

13

14

GREEN

YELLOW

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 2X1 CONNECTOR WITH 1000 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: JULY		
ANGLES	±1°	UNIT: mm	PART NO.: LPJG170349A4NL	
	SCALE: 2/1	SHEET: 1/2	REV: A6	DWG NO.: LP23112601

RoHS

2011/65/EU

REV.

ECN NO.

DESCRIPTION

DATE

APPD

A6

REL

NEW RELEASE

2023-11-26

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

8.Isolation PHY SIDE To Line SIDE : 1500Vrms

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

LINK-PP

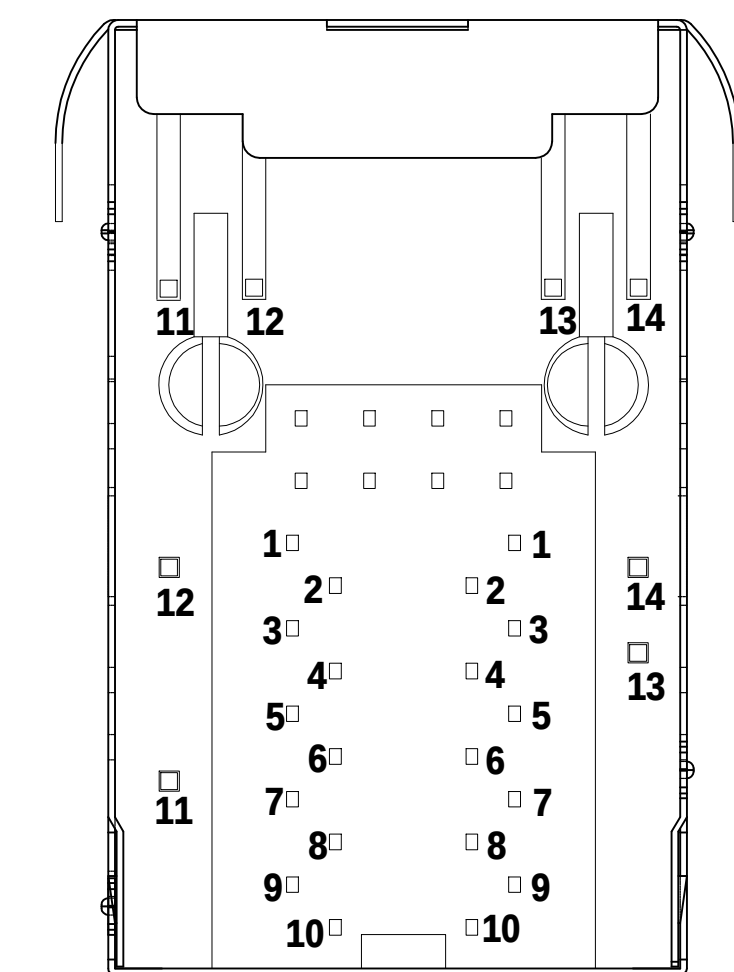
Website: <http://www.link-pp.com>

Email: info@link-pp.com

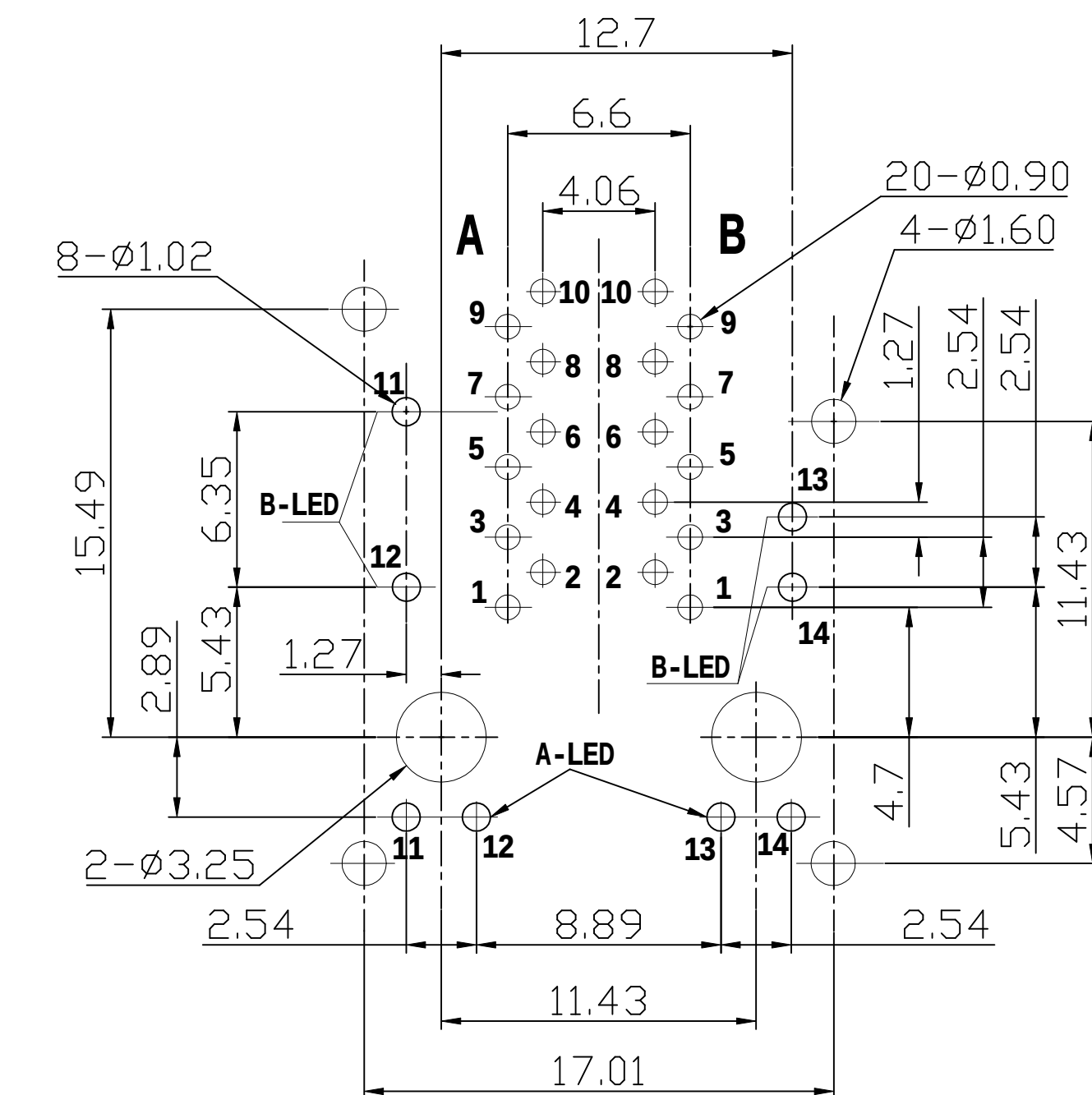
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Mechanical :



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL	NEW RELEASE	2023-11-26	



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 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.**

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