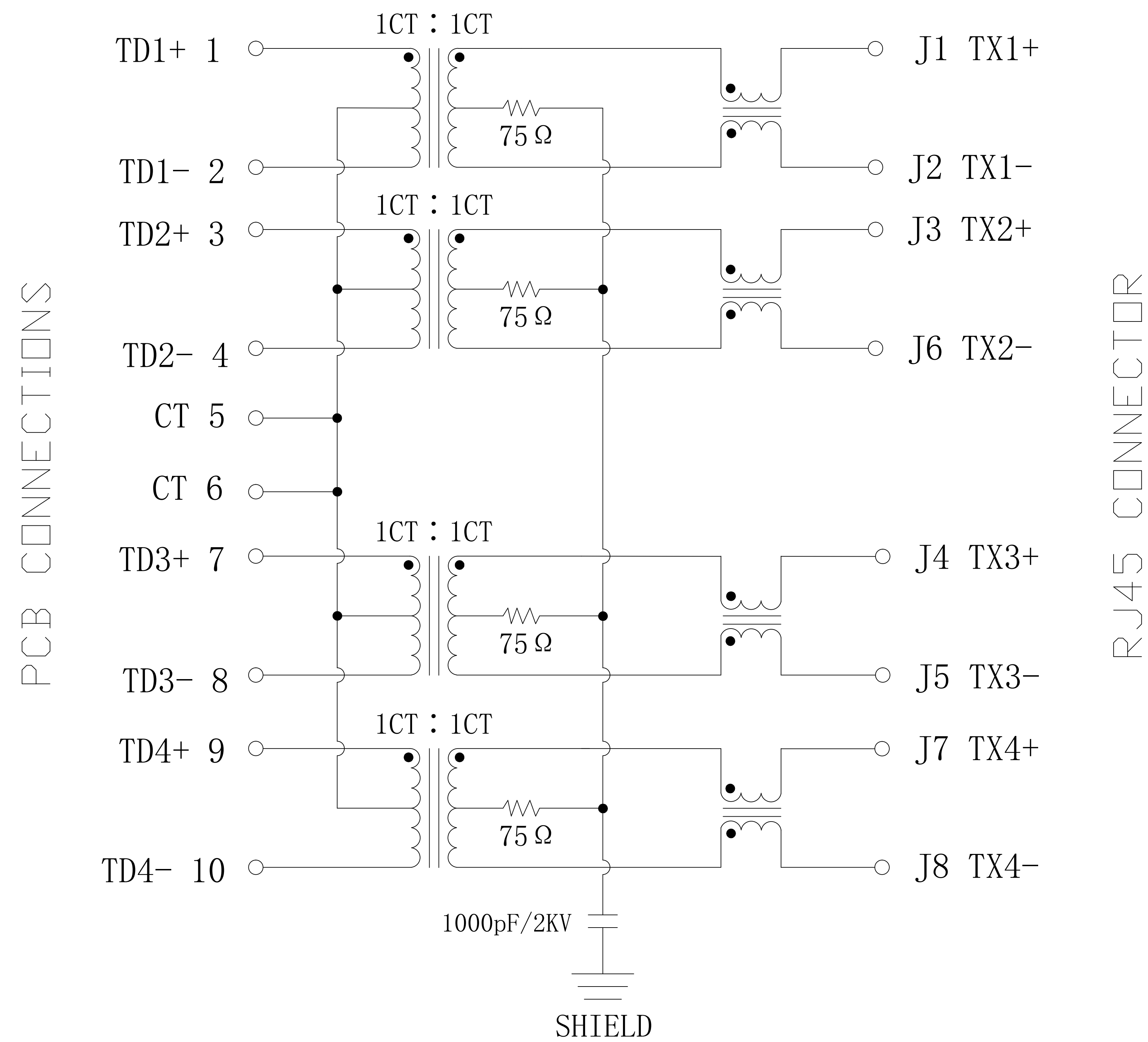


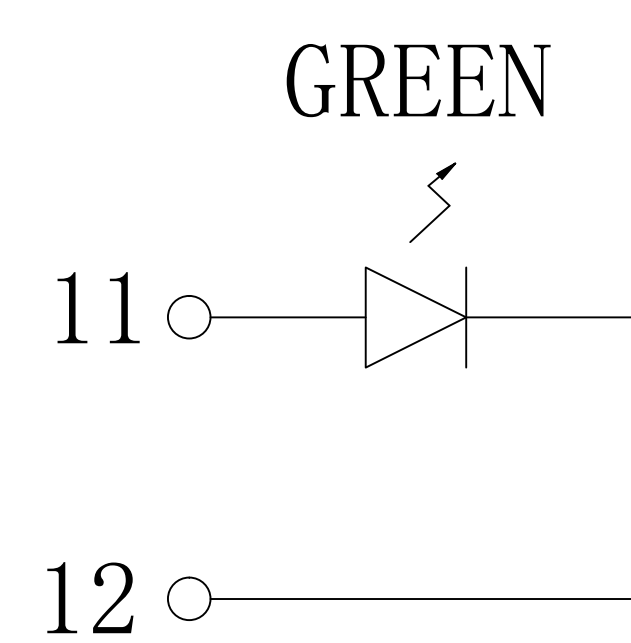
# Schematic:

| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     | ① = 4.00mm  | 2012/09/06 |      |
| B    | REL     | ① = 2.85mm  | 2022/04/02 |      |



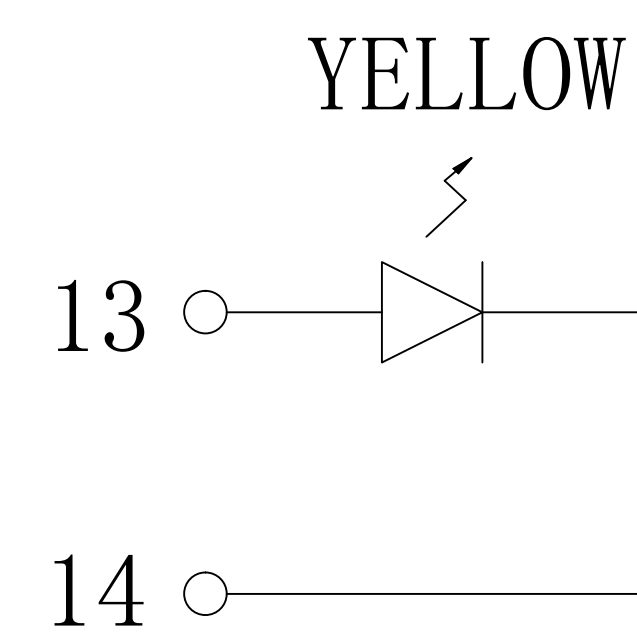
## Electrical Specification @25°C

- Turns Ratio ( $\pm 2\%$ ) :  
Pri : Sec = 1CT : 1CT
- OCL: 350uH Min  
@100KHz/0.1V With 8mA DC Bias
- Insertion Loss (dB Max):  
1-100MHz: -0.8      100-120MHz: -1.2
- Return Loss (dB Min):  
1-30MHz: -18      30-60MHz: -16  
60-80MHz: -12      80-100MHz: -10
- Crosstalk (dB Min):  
1-30MHz: -40      30-60MHz: -35  
60-100MHz: -30
- CMR (dB Min):  
1-50MHz: -40      50-150MHz: -30
- Hipot: 1500Vrms
- Operating Temperature:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$



LEFT LED

| LED POLARITY |        | COLOR |
|--------------|--------|-------|
| PIN 11       | PIN 12 |       |
| +            | -      | GREEN |



RIGHT LED

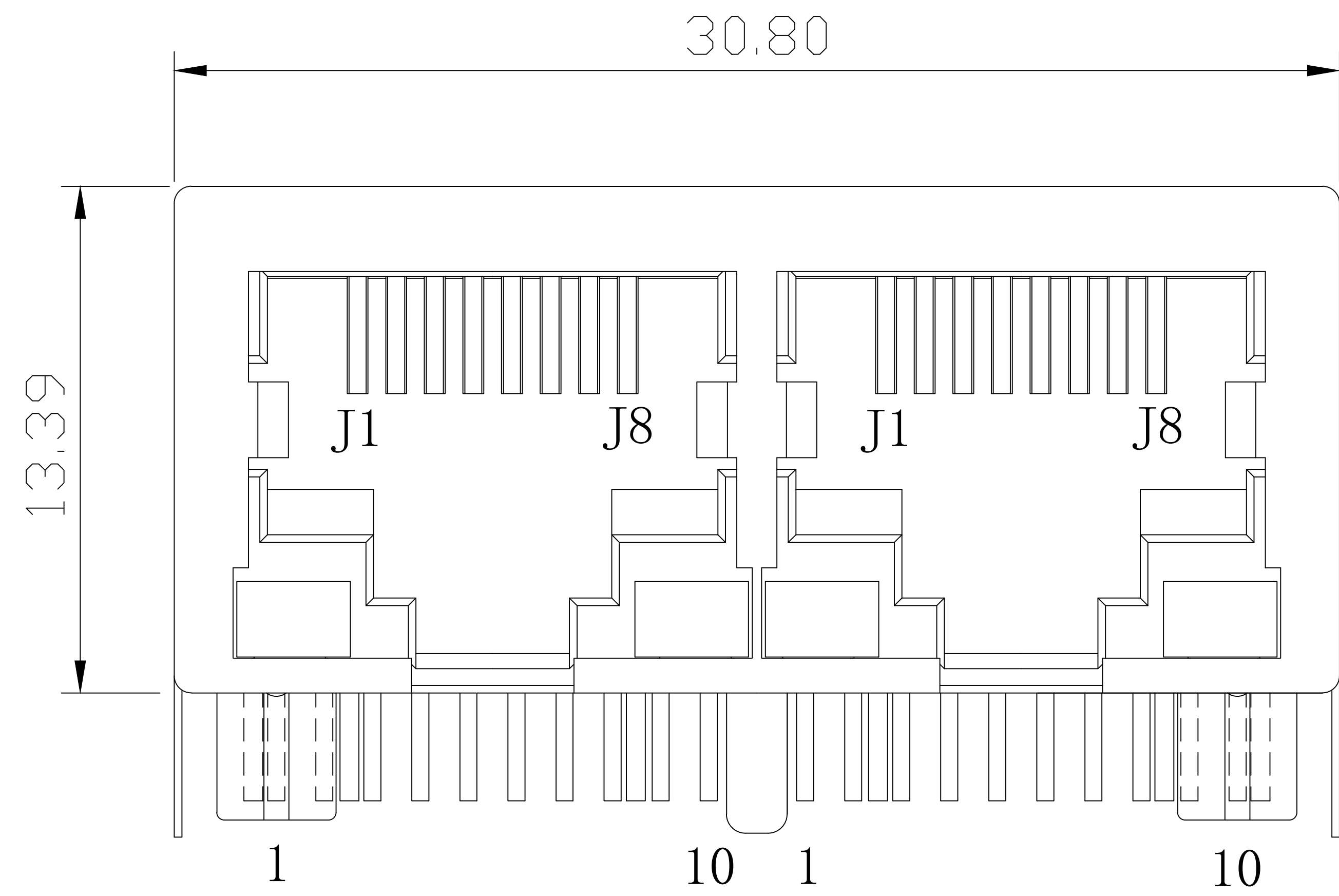
| LED POLARITY |        | COLOR  |
|--------------|--------|--------|
| PIN 13       | PIN 14 |        |
| +            | -      | YELLOW |

| Emitting Color | $\lambda_p(\text{nm})$ | $V_F@I_F=20\text{mA}$ | $I_R @V_R=5V$        |
|----------------|------------------------|-----------------------|----------------------|
| GREEN          | 565                    | 1.8~2.6V              | 10 $\mu\text{A}$ max |
| YELLOW         | 585                    | 1.8~2.6V              | 10 $\mu\text{A}$ max |

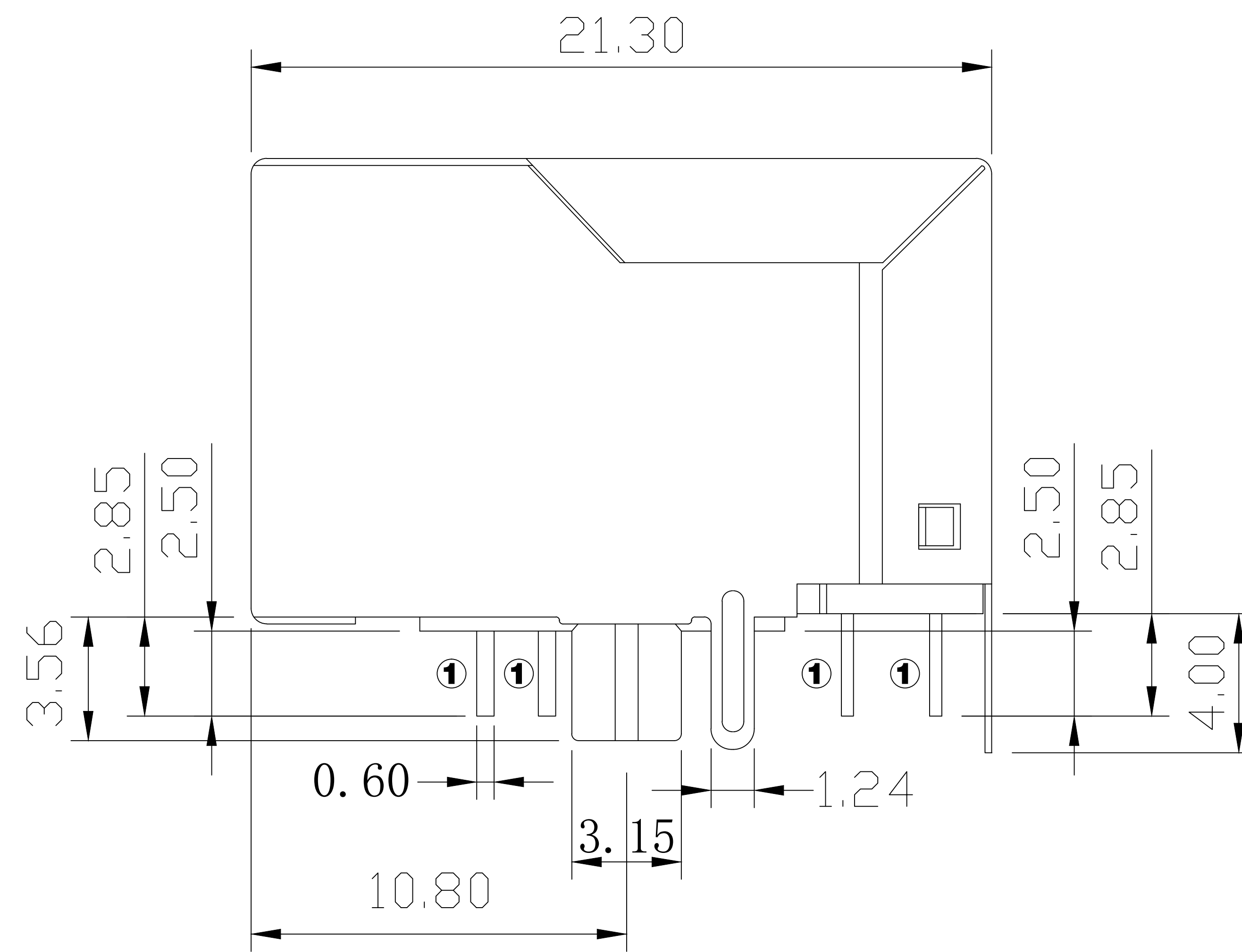
|        |                 |            |  |                     |
|--------|-----------------|------------|--|---------------------|
| X:X    | $\pm 0.30$      | APPD:      | LINK-PP INT'L TECHNOLOGY CO., LIMITED                          |                     |
| X:XX   | $\pm 0.25$      | CHKD:      | TITLE: RJ45 Connector with 1000 Base-TX<br>Integrated Magnetic |                     |
| X:XXX  | $\pm 0.05$      | DR: TOM    |  |                     |
| ANGLES | $\pm 1^{\circ}$ | UNIT: mm   | PART NO.: LPJG26901BENL  |                     |
|        | SCALE: 2/1      | SHEET: 1/2 | REV: B   | DWG NO.: LP22040201 |

Mechanical:

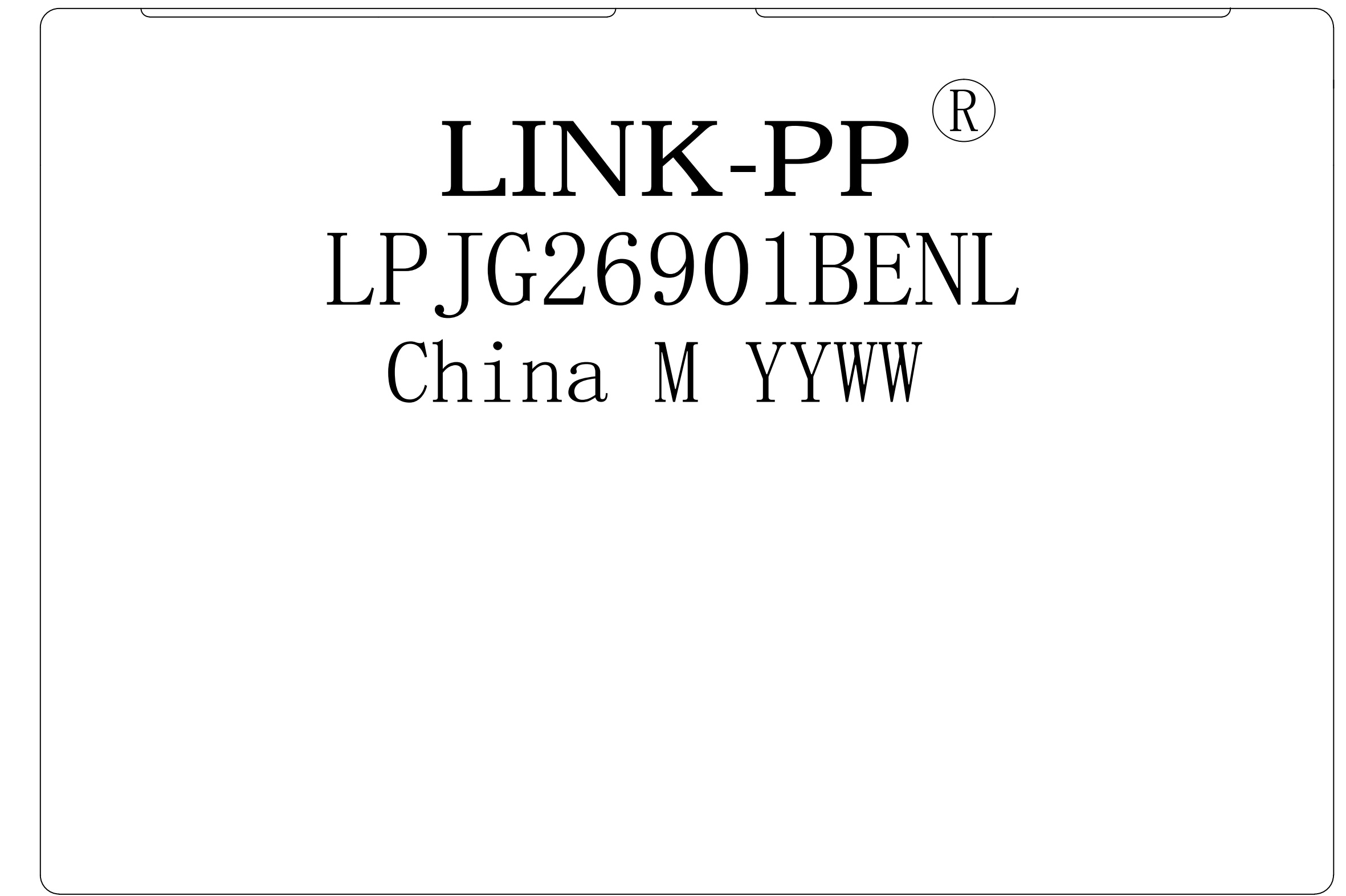
| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     | ① = 4.00mm  | 2012/09/06 |      |
| B    | REL     | ① = 2.85mm  | 2022/04/02 |      |



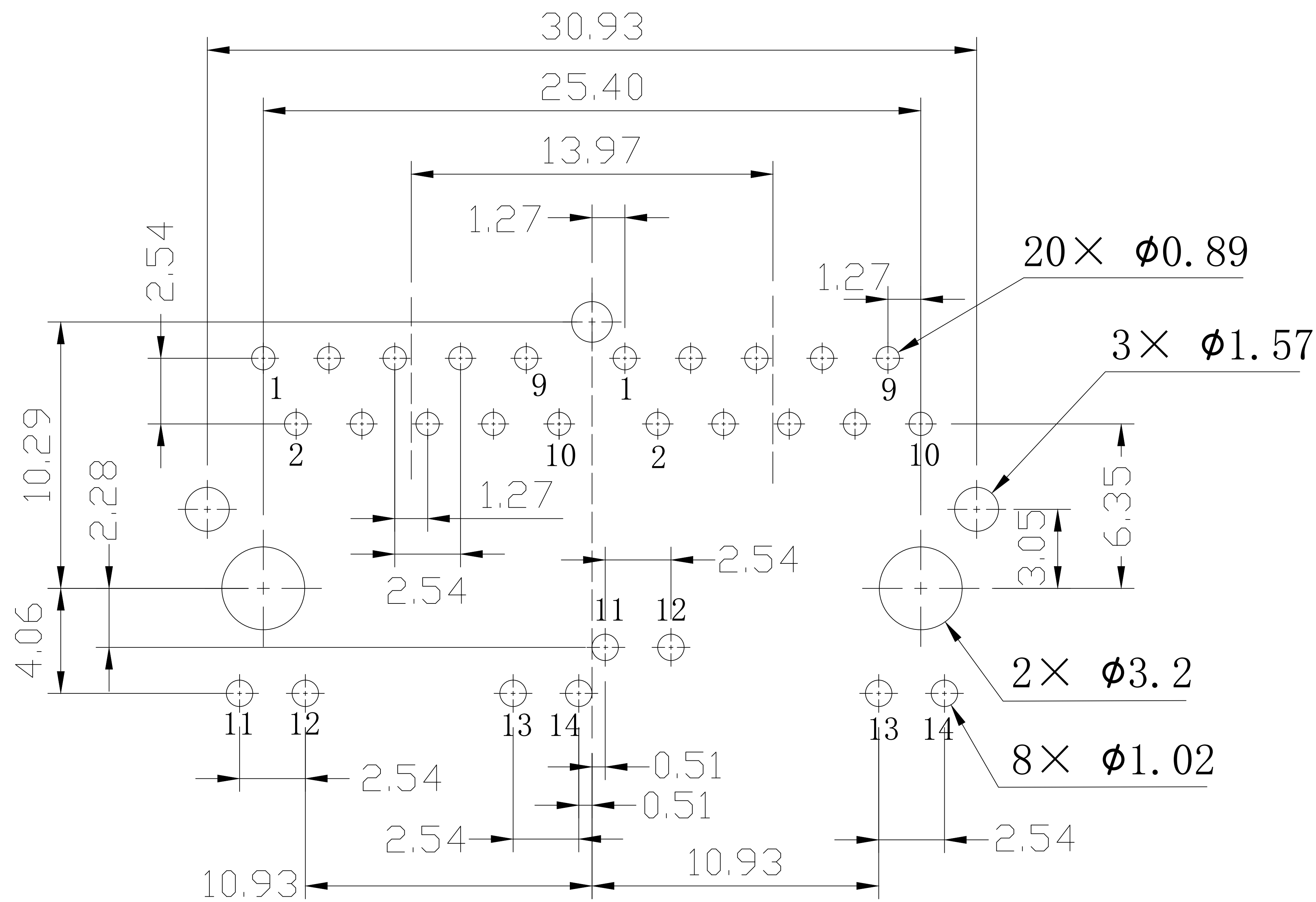
Front Side View



Left Side View



Top Side View



Suggested PCB Layout (Top View)

NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:  
Housing: Thermoplastic UL94V-0  
Contact/Shield: Copper alloy  
Shield plating: Nickel  
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max, 5 Sec.
5. UL Certification: File Number E484635.



|             |            |   |
|-------------|------------|---|
| X:X ±0.30   | APPD:      | LINK-PP INT'L TECHNOLOGY CO., LIMITED                       |
| X:XX ±0.25  | CHKD:      |   |
| X:XXX ±0.05 | DR: TOM    | TITLE: RJ45 Connector with 1000 Base-TX Integrated Magnetic |
| ANGLES ±1°  | UNIT: mm   | PART NO.: LPJG26901BENL                                     |
|             | SCALE: 2/1 | SHEET: 2/2  |
|             | REV: B     | DWG NO.: LP22040201   |