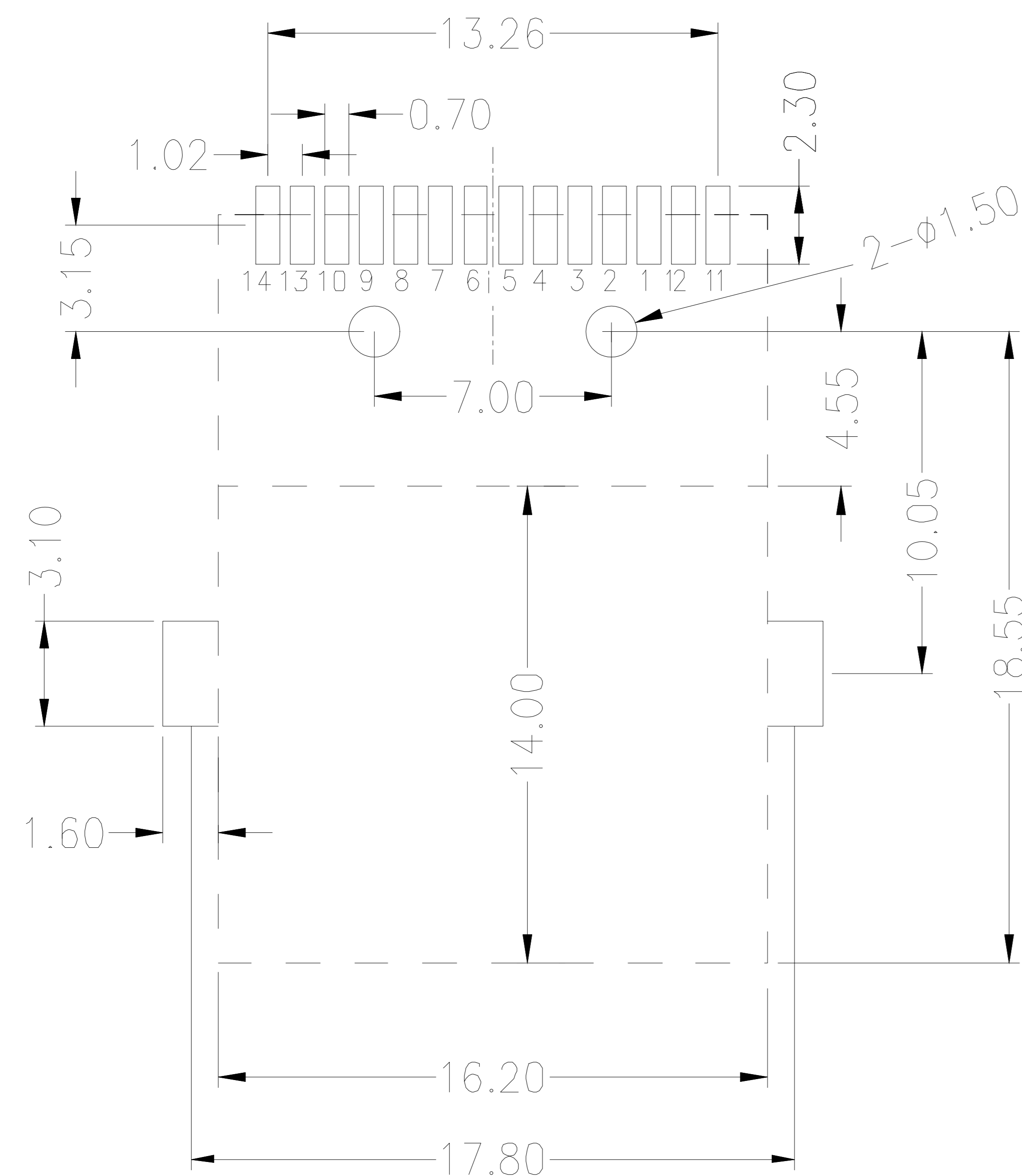
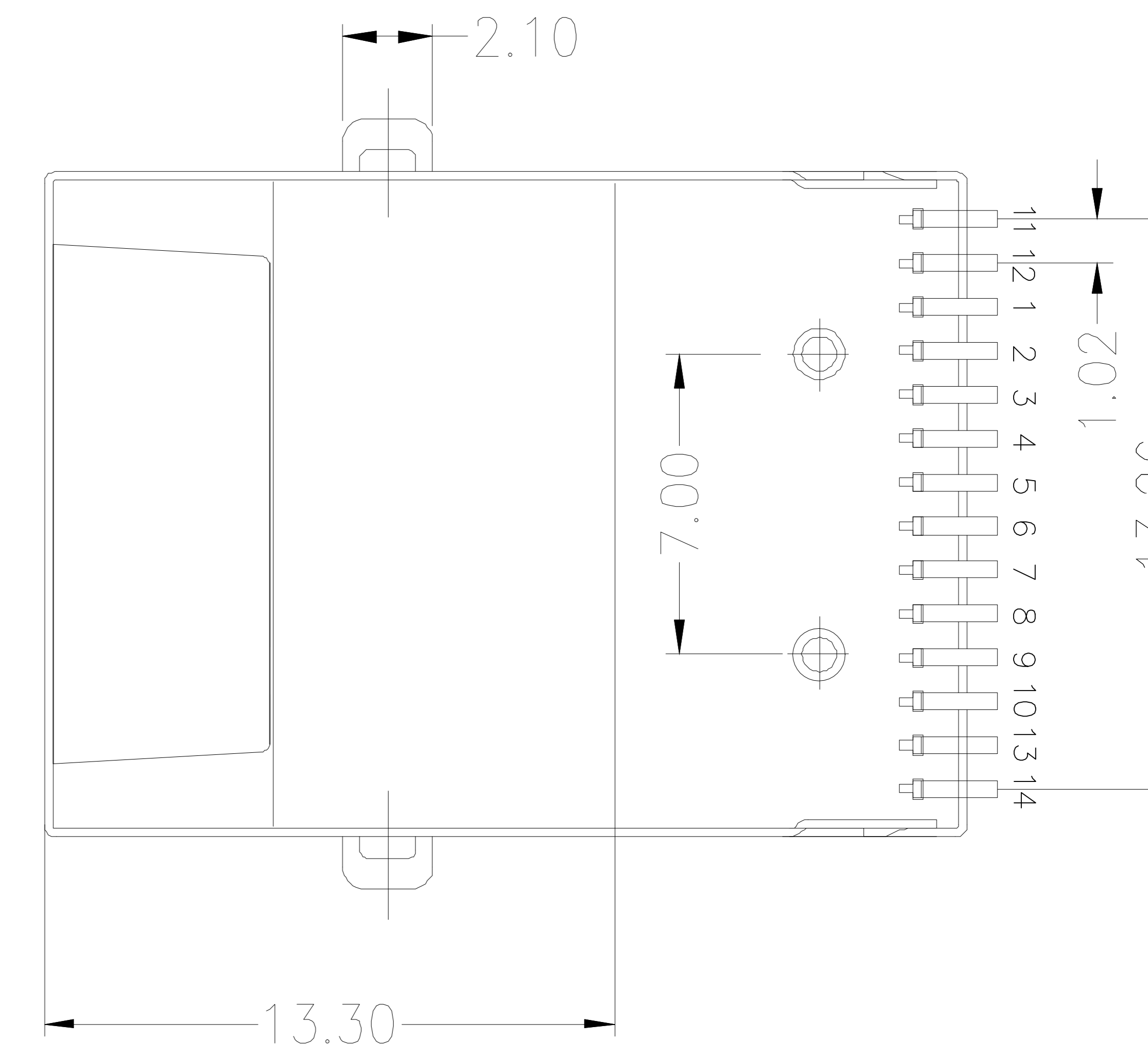
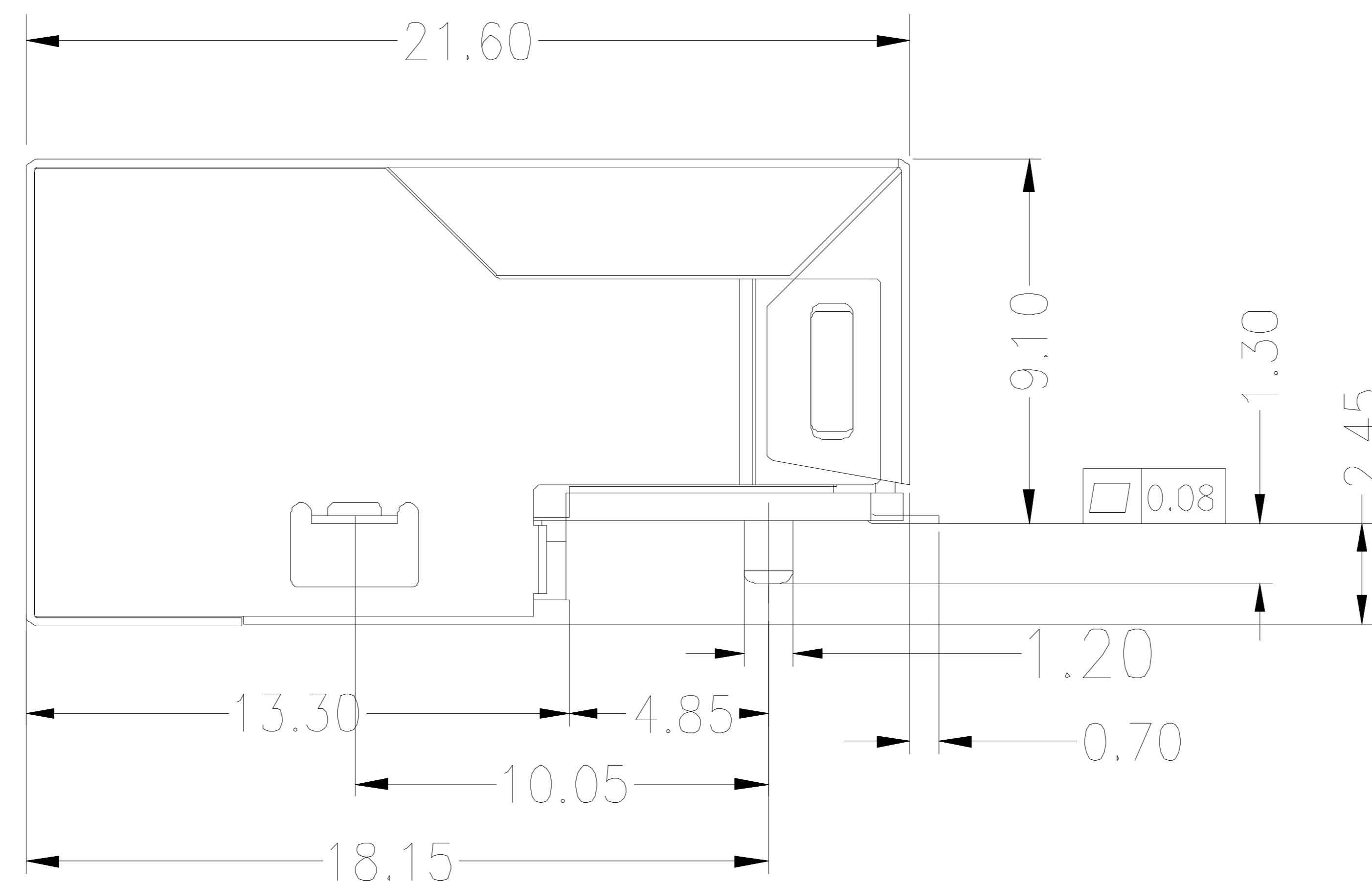
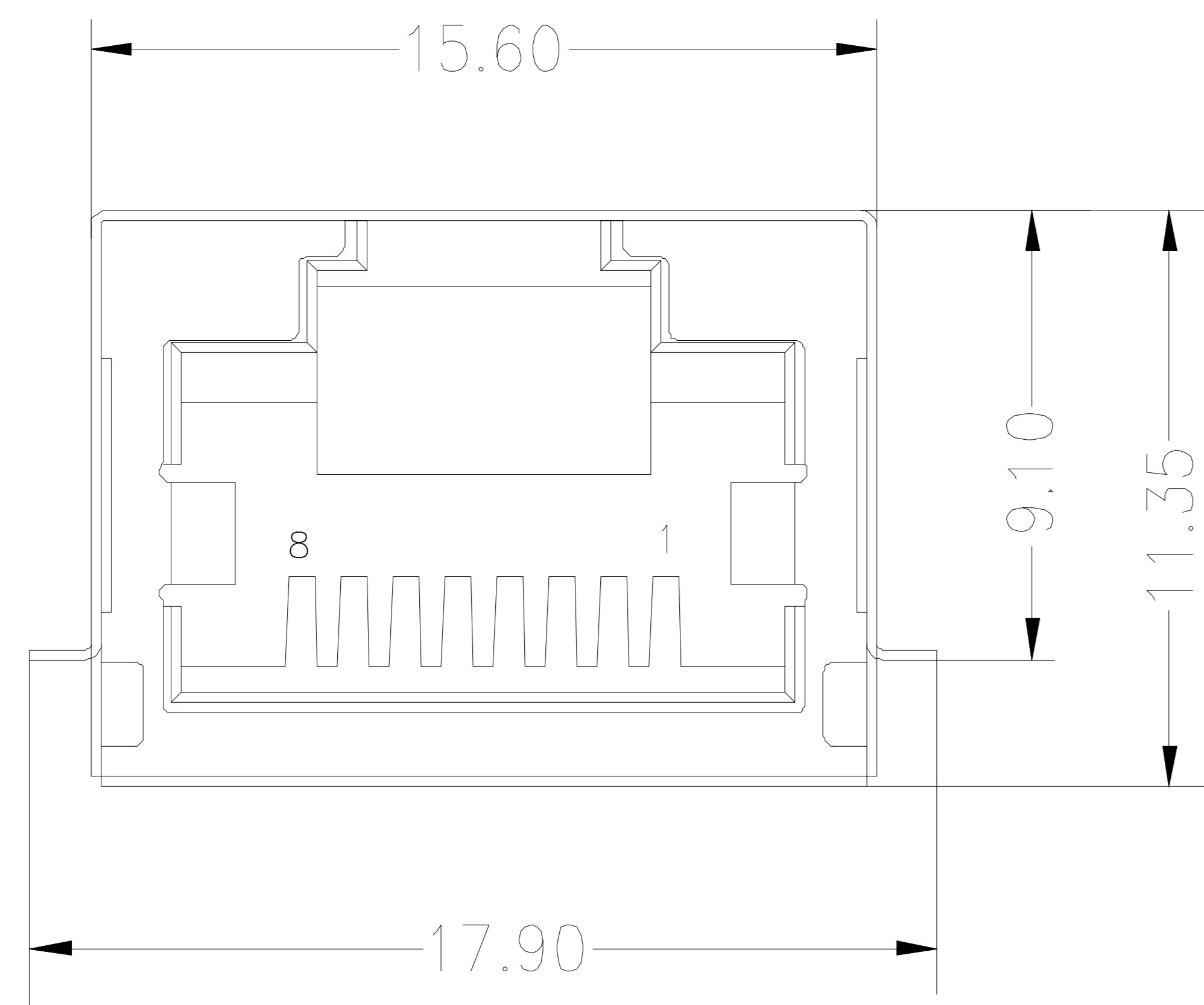


# Mechanical:

| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2022-05-05 |      |



RECOMMENDED P.C.B LAYOUT  
Tolerance: ±0.05

## NOTES:

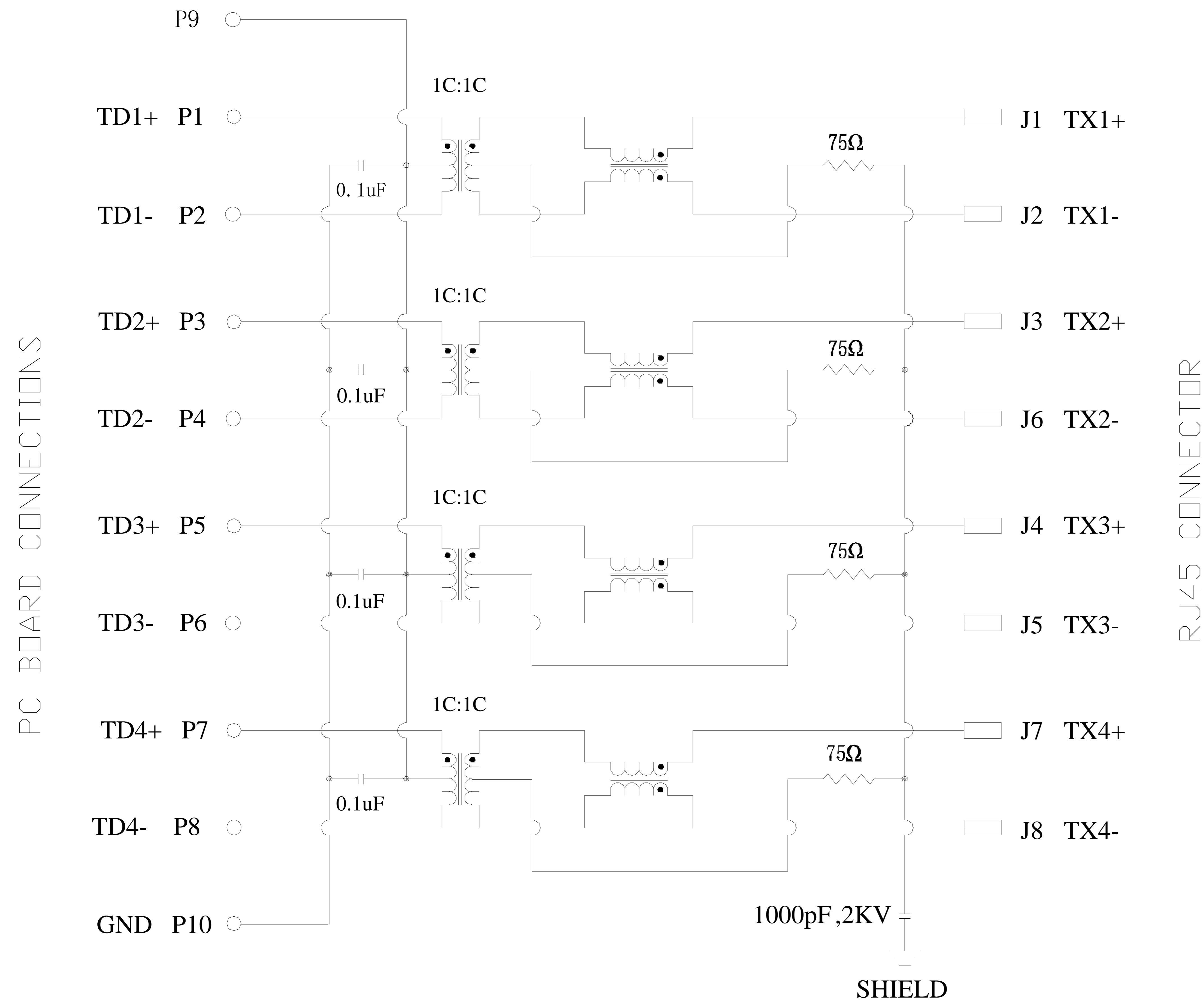
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:  
Housing: Thermoplastic UL94V-0  
Contact/Shield: Copper alloy  
Shield plating: Nickel  
Contact plating: Gold 6 micro-inches min. In contact area.
4. For RoHS part add suffix NL
5. Reflow soldering 260°C degC for 5~10 sec.
6. UL Certification: File Number E321120.



|        |            |            |   |
|--------|------------|------------|---|
| X:X    | ±0.25      | APPD:      | <b>Trxcom</b><br>Huizhou Trxcom Electronics Co., ltd    |
| X:XX   | ±0.20      | CHKD:      |   |
| X:XXX  | ±0.05      | DR: SEA    | TITLE: Surface Mount 1×1 Tab-Up Jack With 2.5G Magnetic |
| ANGLES | ±1°        | UNIT: mm   | PART NO.: TRJM19061DNL                                  |
|        | SCALE: 2/1 | SHEET: 1/2 | REV: A<br>DWG NO: TRC22050509                           |

# Schematic:

| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2022-05-05 |      |



## ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio : 1CT:1CT  $\pm 5\%$
- OCL: 200uH Min @100KHz , 0.1V
- Insertion Loss (dB Max):
  - 1-100MHz: -1.0      100-125MHz: -1.5
- Return Loss (dB Min):
  - 1-30MHz: -16      30-100MHz: -12
  - 100-150MHz: -10
- Cross Talk:
  - 1-125MHz: -25dB Min.
- Common Mode Rejection (dB Min):
  - 1-125MHz: -30
- Common Mode to Differential Mode Rejection (dB Min):
  - 1-100MHz: -30      100-125MHz: -25.
- Isolation Hi-Pot: 2250VDC Min@ 60S
- Operating Temperature Range:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ .



|        |                 |            |   |
|--------|-----------------|------------|---|
| X:X    | $\pm 0.25$      | APPD:      | <b>Trxcom</b><br>Huizhou Trxcom Electronics Co., ltd    |
| X:XX   | $\pm 0.20$      | CHKD:      |   |
| X:XXX  | $\pm 0.05$      | DR: SEA    | TITLE: Surface Mount 1×1 Tab-Up Jack With 2.5G Magnetic |
| ANGLES | $\pm 1^{\circ}$ | UNIT: mm   | PART NO.: TRJM19061DNL                                  |
|        | SCALE: 2/1      | SHEET: 2/2 | REV: A      DWG NO: TRC22050509                         |