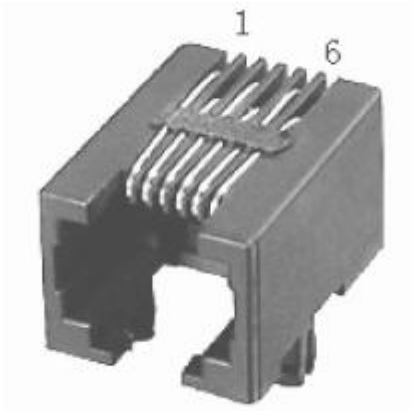
# 1、Communication interface definition

| S/N | Symbol | Description |
|---|---|---|
| 1 | NC | Connectionless |
| 2 | NC | Connectionless |
| 3 | TXD | Drive RS232 send<br>Connect to RXD of PC |
| 4 | GND | Connect to GND of PC |
| 5 | RXD | Drive RS232 receive<br>Connect to RXD of PC |
| 6 | NC | Connectionless |




# 2、Communication format definition

Baud rate: 38400

Data bit: 8 bits

Parity: None

Stop bit: 1 bit

# 3、Communication protocol description

The communication adopts MODBUS RTU format, and the device address is fixed as 1.

Supported MODBUS functions:

06: Write a single register value

03: Read multiple register value

# 4、Register definition

| Register address | Function | Description |
|---|---|---|
| 66 | Speed: Low 16 bits | Set the motor running speed (Pulse/s) |
| 67 | Speed: High 16 bits | |
| 68 | Acceleration: Low 16 bits | Set the motor running acceleration (Pulse/s^2) |
| 69 | Acceleration: High 16 bits | |
| 70 | Target position: Low 16 bits | Set the running distance of the motor in position mode (Pulse) |
| 71 | Target position: High 16 bits | |
| 72 | Position counter: Low 16 bits | Current driver position (Pulse) |
| 73 | Position counter: High 16 bits | |
| 74 | Clear position counter | Writing 1 will clear the values of 72 and 73, and this register will automatically become 0. |
| 75 | Position mode selection | 0 - Relative position mode<br>1 - Absolute position mode |
| 76 | Control motor running state | 0 - Slowing down to stop<br>1 - Fixed-length forward<br>2 - Fixed-length reverse<br>3 - Continuous forward<br>4 - Continuous reverse<br>5 - stop immediately, use with caution<br>6 - After the driver receives the above command, this register becomes 6, indicating that it is waiting for a new command.<br>By default this register is 6 |