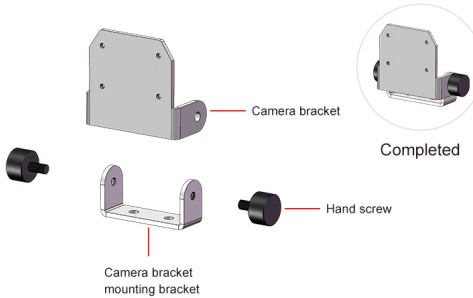


Install case antenna

Install case antenna

- 1.Assembly steps
2. Wiring
- 3.Completed

1.Assembly steps

| Installation steps | Camera bracket installation |
|---|---|
| <p>Step 1: Install the cooling fan</p>  <p>Completed</p> | <p>Step 5: 77 ° IMX219 (RDK) camera bracket installation</p>  <p>Completed</p> |
| <p>Step 2: Antenna installation * Skip this step if antenna is not purchased</p>  <p>Completed</p> | <p>Step 6: 77 ° IMX219 (RDK) camera installation</p>  <p>Completed</p> |
| <p>Step 3: RDK X3 Installation</p>  <p>Completed</p> | <p>Step 7: Installation of camera assembly</p>  <p>Completed</p> |
| <p>Step 4: Top shell installation</p>  <p>Completed</p> | |

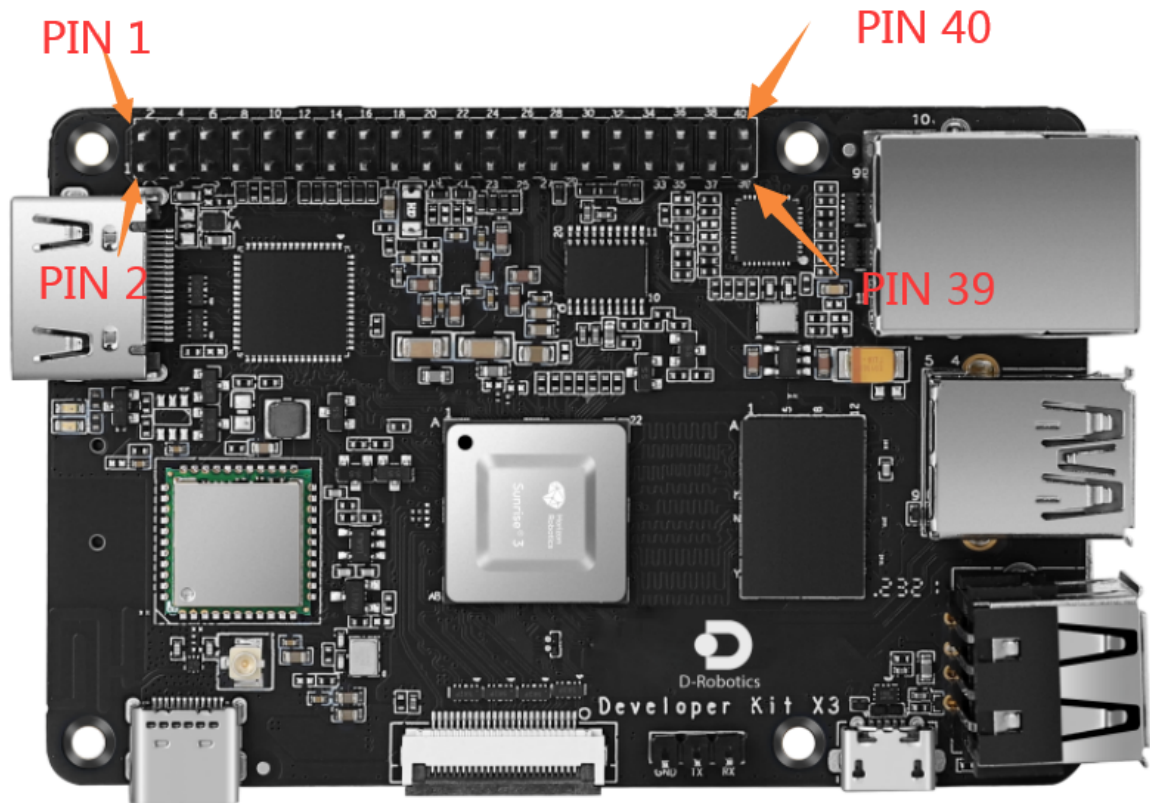
2. Wiring

The fan is connected to the outermost pin of the RDK X3 board.

The second pin connected to fan VCC (red line).

The third pin connected to fan GND (black line).

| RDX X3 Board 40Pin Table | | | | | | | | | | | | | | |
|--------------------------|------------------|------------------|------------------------|---------------|--------------|--------------|-----------------------------|--------------|--------------|---------------|----------------------|------------------|------------------|------------------|
| Reuse function 2 | Reuse function 1 | Reuse function 0 | Function Description | X3 Pin Number | BCM Encoding | CVM Function | Physical Pin Board Encoding | CVM Function | BCM Encoding | X3 Pin Number | Function Description | Reuse function 0 | Reuse function 1 | Reuse function 2 |
| | | | 3.3V power signal | | | VDD_3V3 | 1 | 2 | VDD_5V | | 5V power signal | | | |
| | | I2C0_SDA | I2C0 data signal | 9 | 2 | I2C0_SDA | 3 | 4 | VDD_5V | | 5V power signal | | | |
| | | I2C0_CLK | I2C0 clock signal | 8 | 3 | I2C0_SDC | 5 | 6 | GND | | GND signal | | | |
| | | I2S0_MCLK | I2S0 MCLK clock signal | 101 | 4 | I2S0_MCLK | 7 | 8 | UART_TXD | 14 | 111 | UART3_TXD | UART3_TXD | |
| | | | GND signal | | | GND | 9 | 10 | UART_RXD | 15 | 112 | UART3_RXD | UART3_RXD | |
| PWM7 | SPI2_MOSI | I2C2_CLK | GPI017 signal | 12 | 17 | GPI017 | 11 | 12 | I2S0_BCLK | 18 | 102 | I2S0_BCLK | I2S0_BCLK | |
| PWM8 | SPI2_MISO | I2C2_SDA | GPI027 signal | 13 | 27 | GPI027 | 13 | 14 | GND | | | | | |
| | | | GPI022 signal | 30 | 22 | GPI022 | 15 | 16 | GPI023 | 23 | 27 | GPI023 | | |
| | | | 3.3V power signal | | | VDD_3V3 | 17 | 18 | GPI024 | 24 | 22 | GPI024 | | PWM1 |
| | SPI1_MOSI | | SPI1 MOSI signal | 6 | 10 | SPI1_MOSI | 19 | 20 | GND | | | | | |
| | SPI1_MISO | | SPI1 MISO signal | 7 | 9 | SPI1_MISO | 21 | 22 | GPI025 | 25 | 29 | GPI025 | | |
| | SPI1_SCLK | | SPI1 CLK signal | 3 | 11 | SPI1_SCLK | 23 | 24 | SPI1_CSN | 8 | 5 | SPI1_CSN | SPI1_CSN | |
| | | | GND signal | | | GND | 25 | 26 | GPI07 | 7 | 28 | GPI07 | | |
| | SPI2_CSN | I2C3_SDA | I2C3 clock signal | 15 | 0 | I2C3_SDA | 27 | 28 | I2C3_SCL | 1 | 14 | I2C3_SCL | SPI2_SCLK | |
| | LPWM3 | | GPI05 signal | 119 | 5 | GPI05 | 29 | 30 | GND | | | | | |
| | LPWM2 | | GPI06 signal | 118 | 6 | GPI06 | 31 | 32 | PWM4 | 12 | 25 | PWM4 | PWM4 | |
| PWM0 | | | PWM0 signal | 4 | 13 | PWM0 | 33 | 34 | GND | | | | | |
| | | I2S0_LRCK | I2S0 LRCK signal | 103 | 19 | I2S0_LRCK | 35 | 36 | GPI016 | 16 | 20 | GPI016 | | |
| | LPWM1 | | GPI026 signal | 117 | 26 | GPI026 | 37 | 38 | I2S1_SDIO | 20 | 108 | I2S1_SDIO | I2S1_SDIO | |
| | | | GND signal | | | GND | 39 | 40 | I2S0_SDIO | 21 | 104 | I2S0_SDIO | I2S0_SDIO | |



Antenna connection, as shown below.

3.Completed