

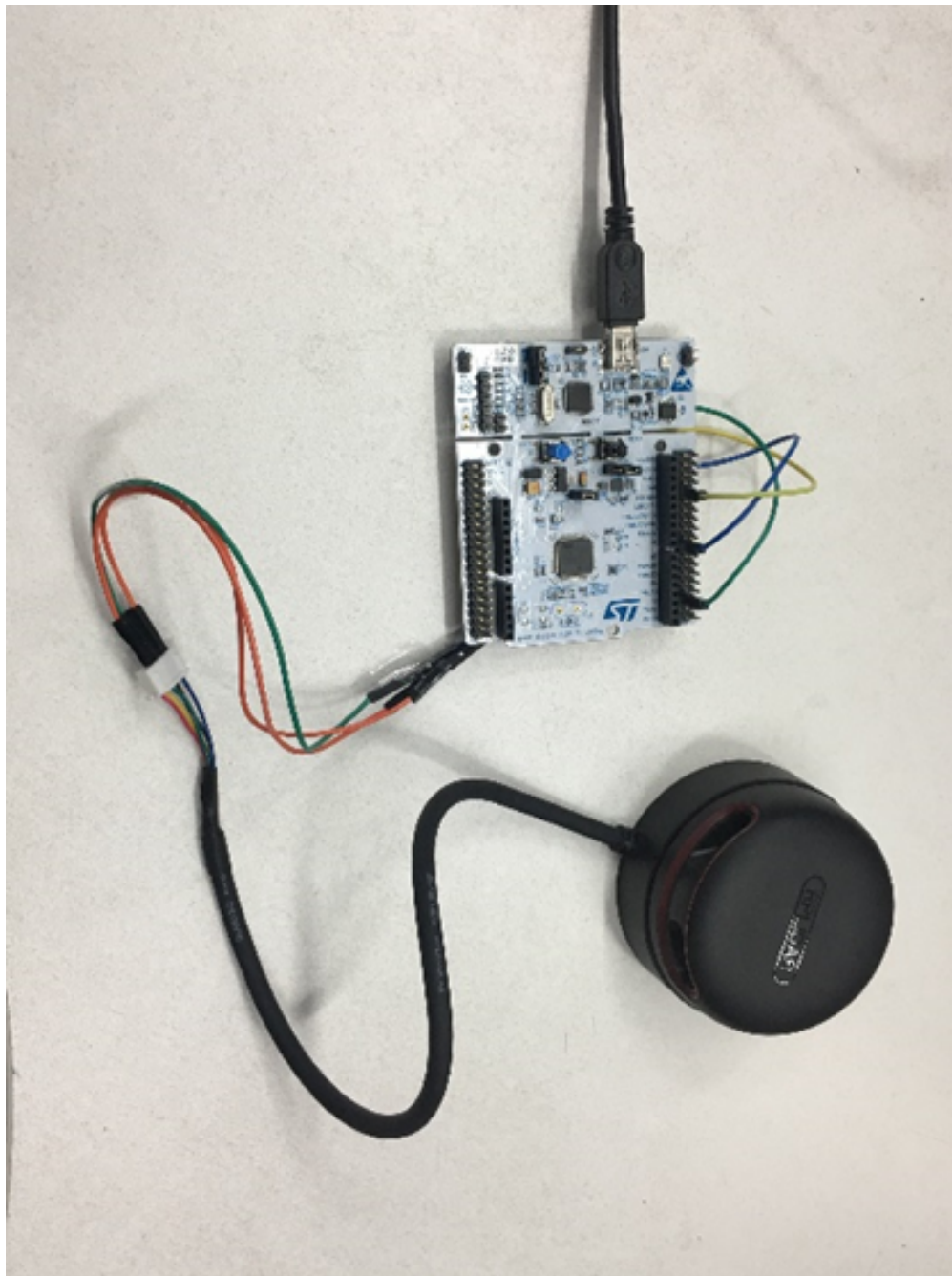
# KBLD183004 STM32

RPLidar-Mcu

STM32F103RB-NucleoSTM32Cube\_FWIDeIAR7.60.

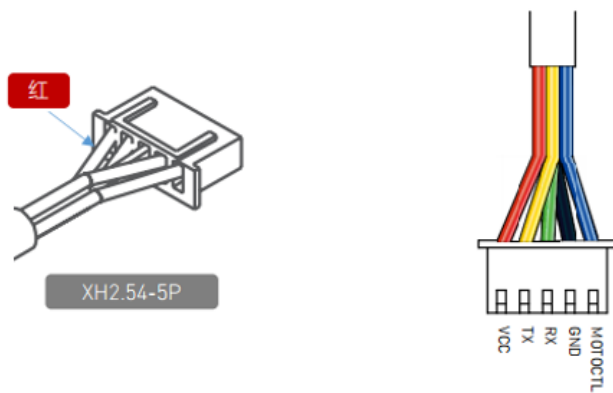
Nucleo, .

STM32Cube\_FW



RPLidar-A25RX,TX,GNDSTM32F103RB-NucleoUsart1VCCMotorctrl5VSTM32RPLidarPWM

STM325VRPLidar0.5AUSB

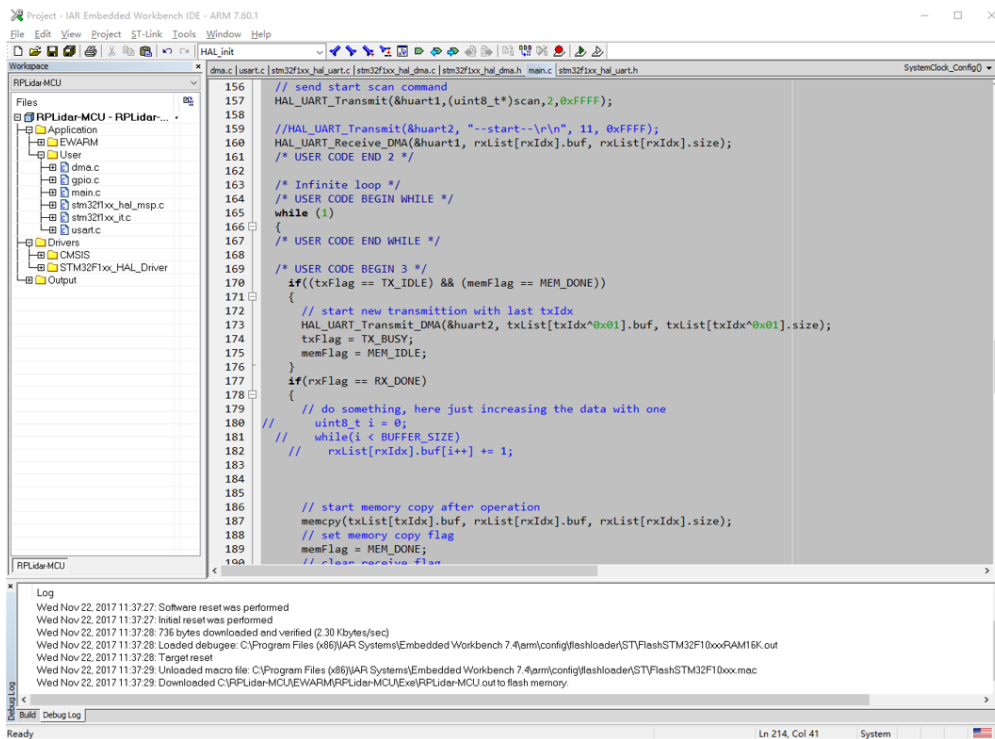


图表 2-6 RPLIDAR 电源接口定义示意图

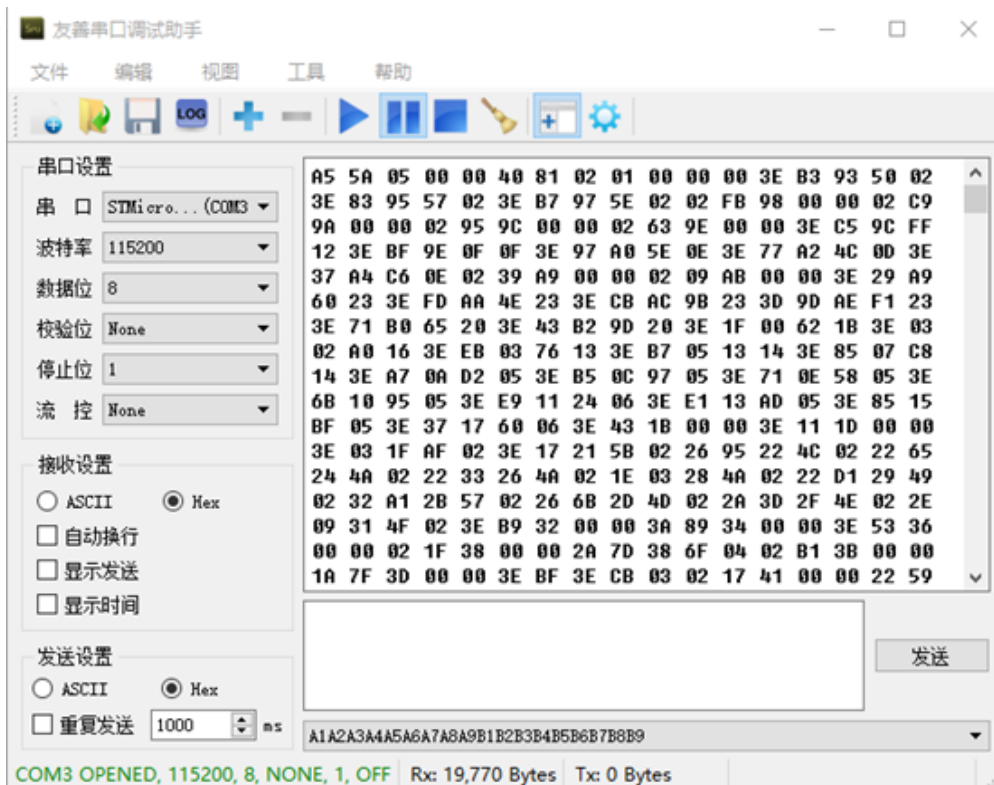
| 色彩 | 信号名     | 类型 | 描述                          | 最小值  | 典型值  | 最大值  |
|----|---------|----|-----------------------------|------|------|------|
| 红  | VCC     | 供电 | 总供电                         | 4.9V | 5V   | 5.5V |
| 黄  | TX      | 输出 | 测距核心串口输出                    | 0V   | 3.3V | 3.5V |
| 绿  | RX      | 输入 | 测距核心串口输入                    | 0V   | 3.3V | 3.5V |
| 黑  | GND     | 供电 | 地线                          | 0V   | 0V   | 0V   |
| 蓝  | MOTOCTL | 输入 | 扫描电机使能/PWM 控制信号(高电平有效，内部下拉) | 0V   | 3.3V | 5V   |

STM3212

A5 20 (scan)



STM32ST-linkVCCMotorctrl



stm32A5 5A 05 00 00 40 815RPLidar

RPLidar

RPLidar-MCU.rar

