

SmartCurtain Circuit Description

The RYSE SmartCurtain seamlessly transforms your existing window curtains into motorized SmartCurtains.

BLE-0101 is a BLE5.0 module based on NRF52840 from Nodis Semiconductor. It is dedicated to implement Bluetooth communication between the SmartCurtain and the cellphone.

BLE-0101 has a built-in PCB trace antenna. The antenna works in BLE band(2.402G-2.485GHz)

BLE-0101 controls buttons and indicator LEDs to interact with users.

SmartCurtain is powered by 2 18650 batteries.

The reverse protection stop reversed voltage.

The low voltage circuitry shutdown power when the batteries is low.

The regulator regulates 3.3v to the whole system from the input.

The rod end detection tell when the device moves to one end of the rod.

The encoder tells how far the device moves and the exact location.

SPI flash is not populated.

Bare PCB is Rev.C

BOM is Rev.C.1