| Project Name | BLE Door Sensor |
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| | The sensor detects and sends a signal to the mobile phone via BLE connectivity. It |
| Summary | has the functions of a smart magnetic sensor, and an integrated light sensor in |
| | order to know the day and night. ESP32 Wi-Fi module is used in this case due to its |
| | feasibility of Wi-Fi connection, BLE connection, and classic Bluetooth. |
| Device | ESP32 module |
| | Reed Switch |
| | LDR Sensor Li-Po Battery |
| | LI-PO Battery |
| Picture | 30.48mm |
| | LiPo charge rate SAE Solder 2&3 for (500mA) XI JUSB USB USB USB |
| Feature | BLE Door Sensor using ESP32 |
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| | • double-layer PCB |
| | sensing door/window status of open/close and send payload to mobile phone. |
| | • centing light index |
| | sensing light index |
| | Li-Po Battery powering |
| | Can deploy or interconnect with BLE/WiFi/Bluetooth. |
| | Battery status detection |
| | Micro-B USB charging and have circuit protection diode |
| | - Miles o b oob enarging and have eneart protection diode |