System Design

Joesphan Lu

BLOCK DIAGRAM

Diagram

Description automatically generated

SUPPLY CURRENTS

|  |  |  |  |
| --- | --- | --- | --- |
| Part | Id(3V3) | Id(Unregulated) | Id (USB) |
| MCU (ESP32-D0WD-V3) ACTIVE RF | 160~260mA | - | - |
| MCU (ESP32-D0WD-V3) INACTIVE RF | 3~20mA | - | - |
| Peltier Modules  TEC12706 | - | 6A | - |
| Battery charger | - | - | 3A |
| Buck converter | - | 0~75mA | - |