

Input

12V

Output

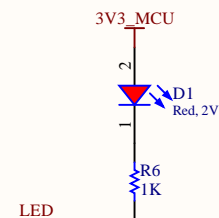
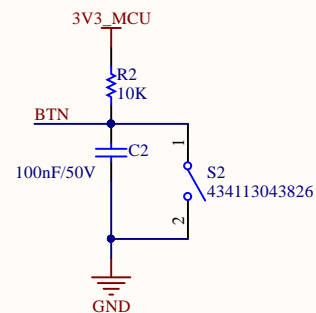
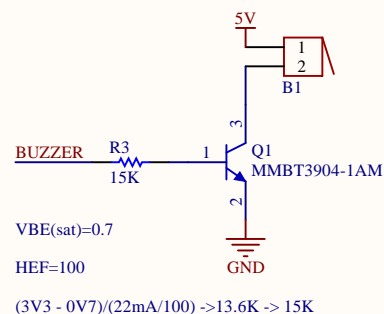
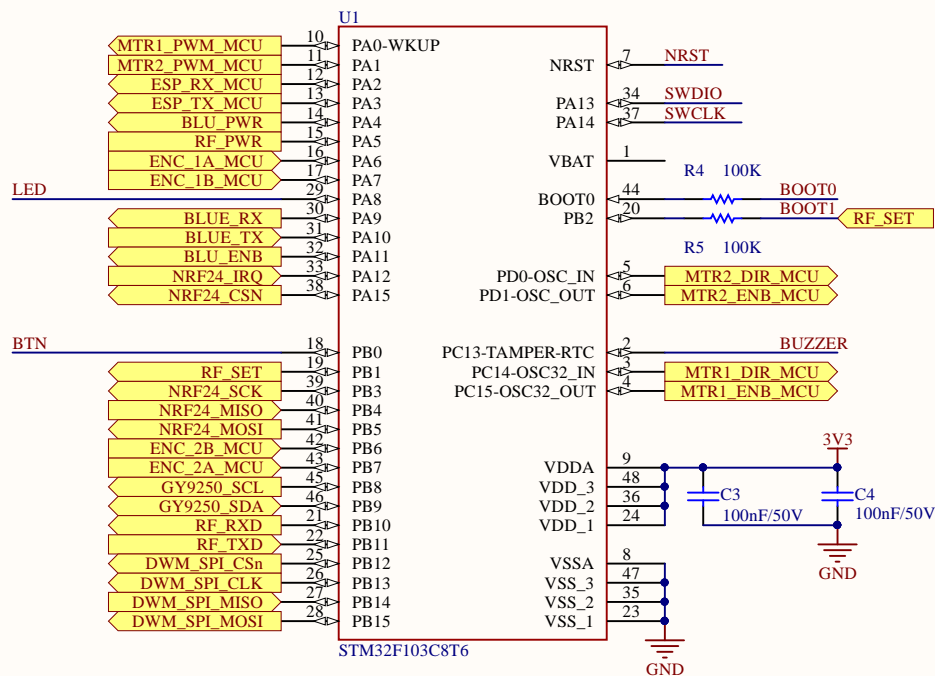
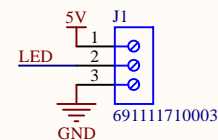
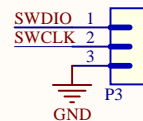
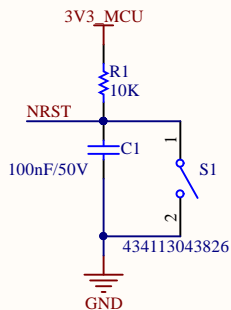
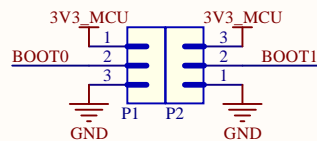
5V
5V_Holy
5V_BLU
5V_HC12

3V3_MCU
3V3_MC
3V3_WIFI
3V3_BLU
3V3_RF
3V3_DWM

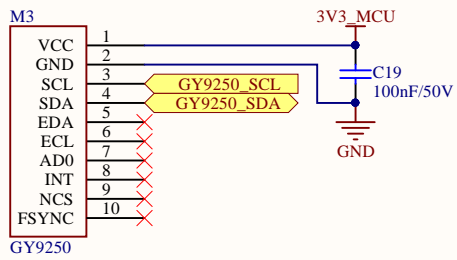
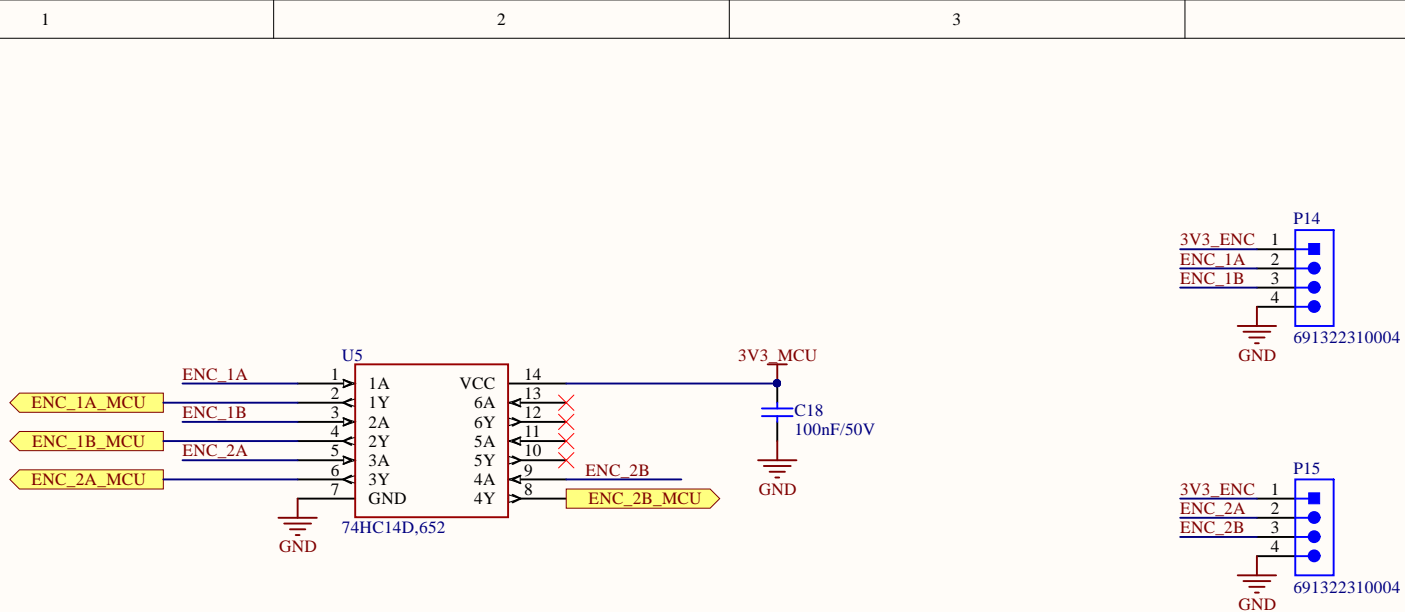
Note

LC12S: 3V3 HC05-06 TH: 3V3 - 5V
HC-12: 3V3 - 5V HC05-06 SMD: 3V3
NRF24L01: 3V3 ESP8266: 3V3
Holybro: 5V

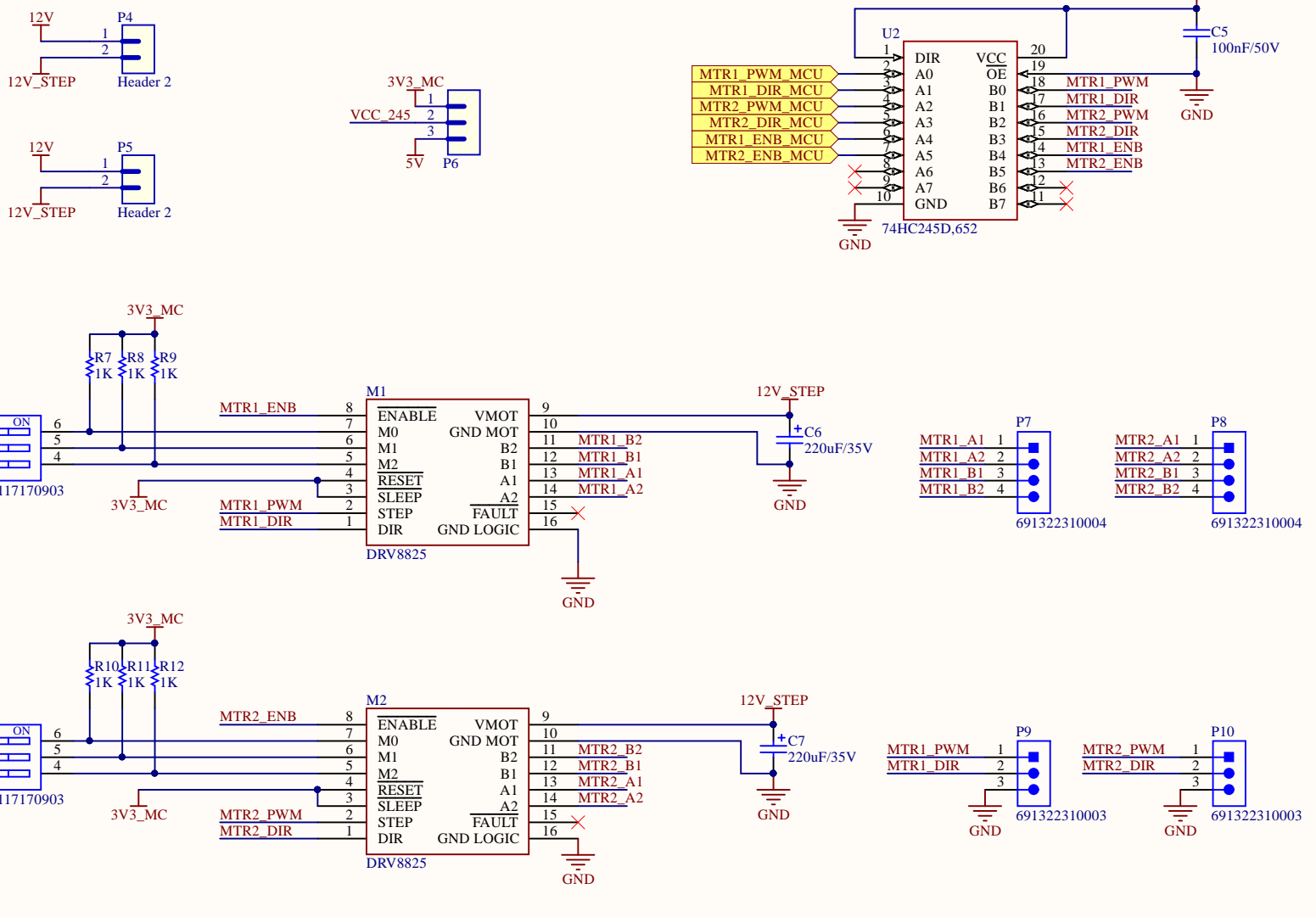
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| Size | Number | Revision |
| A | | |
| Date: | 6/11/2020 | Sheet of |
| File: | E:\Projects\...\power_supply.SchDoc | Drawn By: |



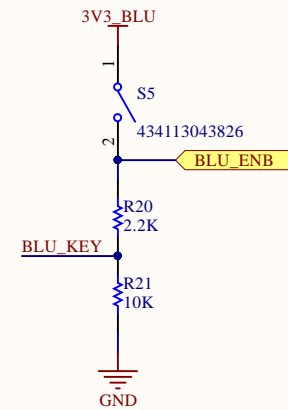
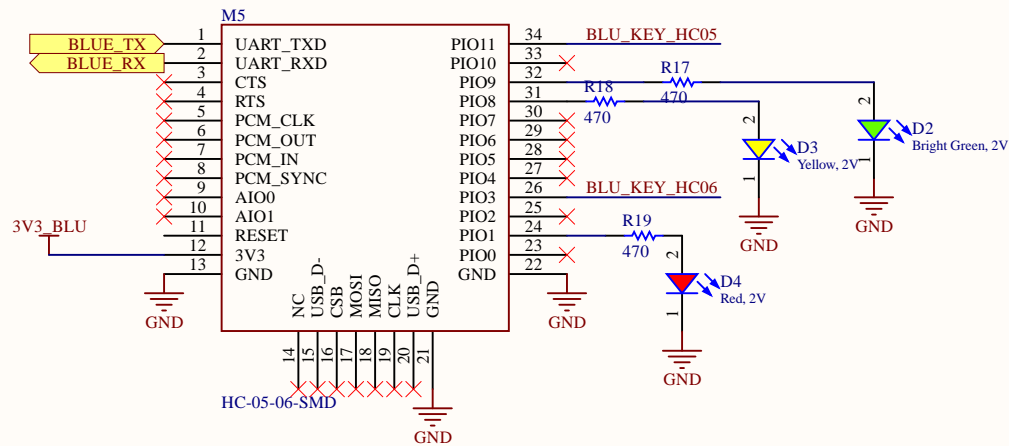
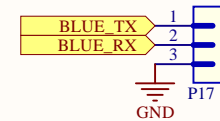
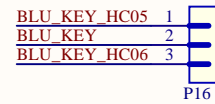
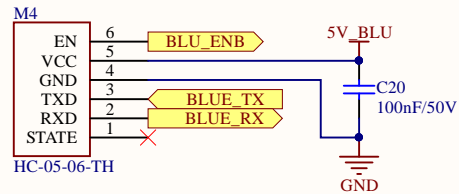
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| File: | E:\Projects\...\motor_controller.SchDoc | Drawn By: |



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MATTERS NEEDING ATTENTION

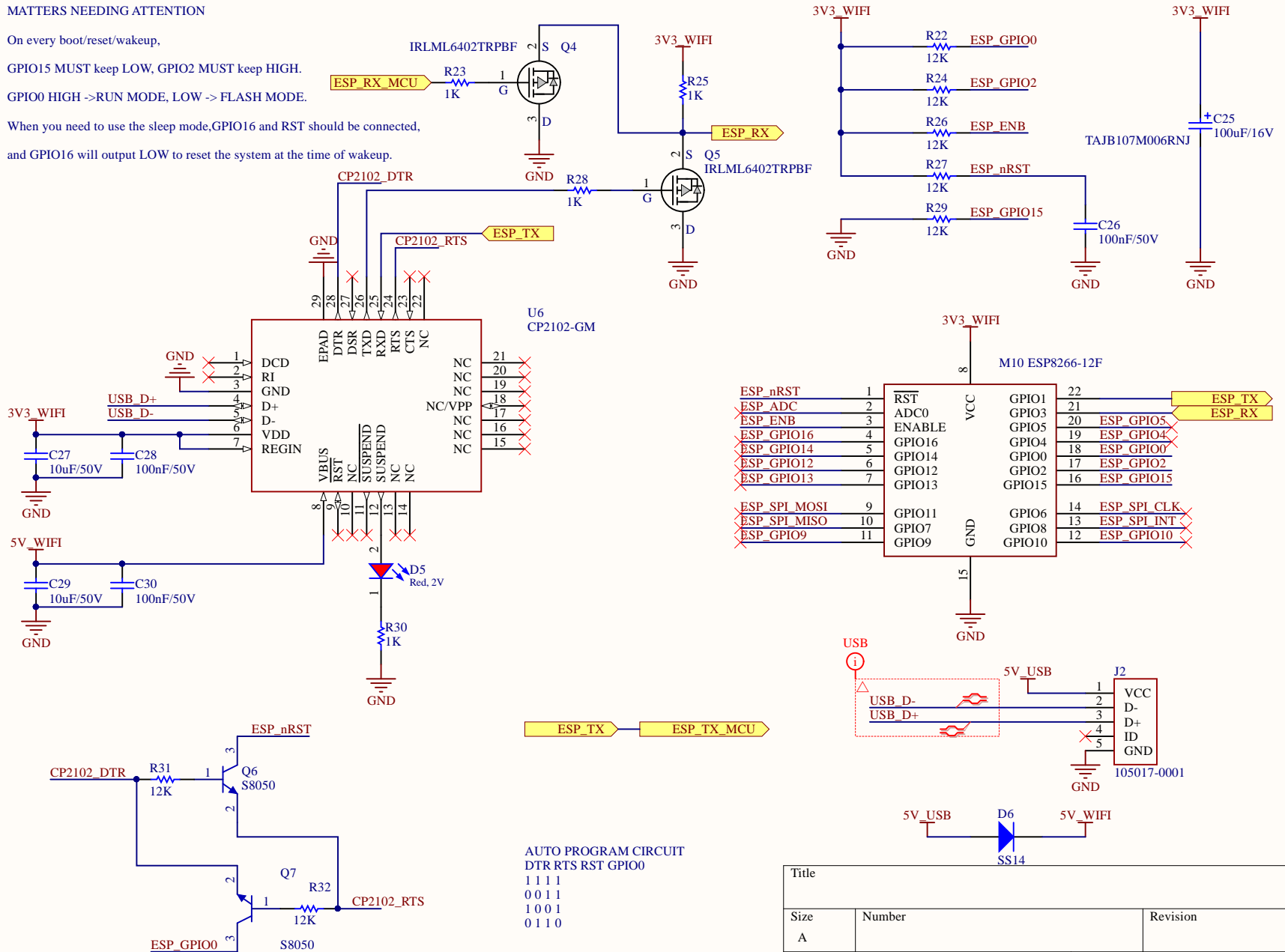
On every boot/reset/wakeup,

GPIO15 MUST keep LOW, GPIO2 MUST keep HIGH.

GPIO0 HIGH -> RUN MODE, LOW -> FLASH MODE.

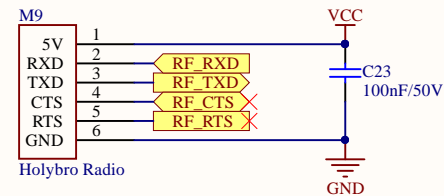
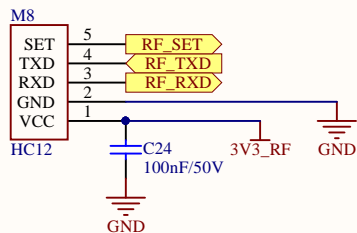
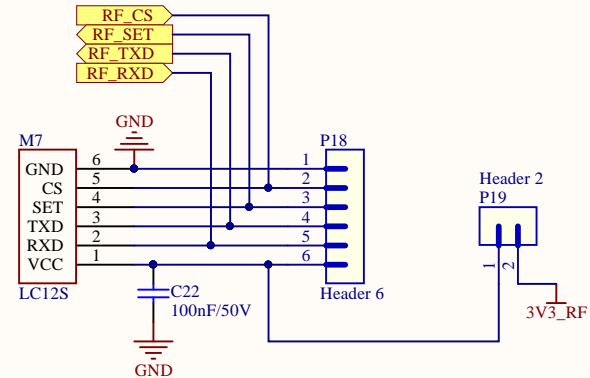
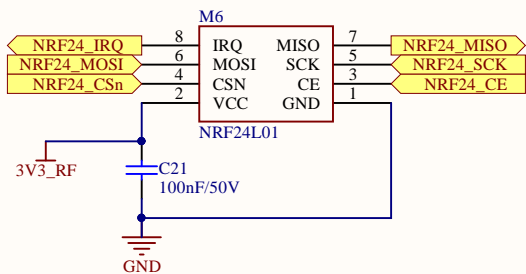
When you need to use the sleep mode, GPIO16 and RST should be connected,

and GPIO16 will output LOW to reset the system at the time of wakeup.



AUTO PROGRAM CIRCUIT
DTR RTS RST GPIO0
1 1 1 1
0 0 1 1
1 0 0 1
0 1 1 0

| Title | | |
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| Date: | 6/11/2020 | Sheet of |
| File: | E:\Projects\...\wifi.SchDoc | Drawn By: |



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| Size | Number | Revision |
| A | | |
| Date: | 6/11/2020 | Sheet of |
| File: | E:\Projects\...\radio_frequency.SchDoc | Drawn By: |

