

Input

12V

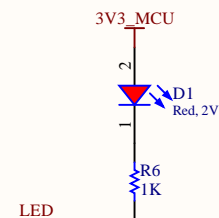
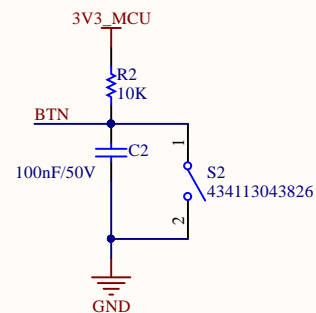
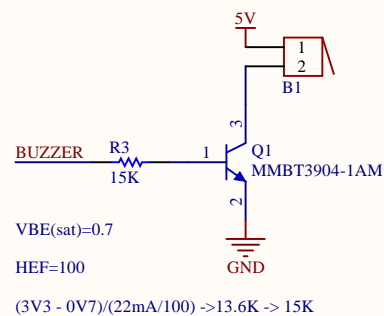
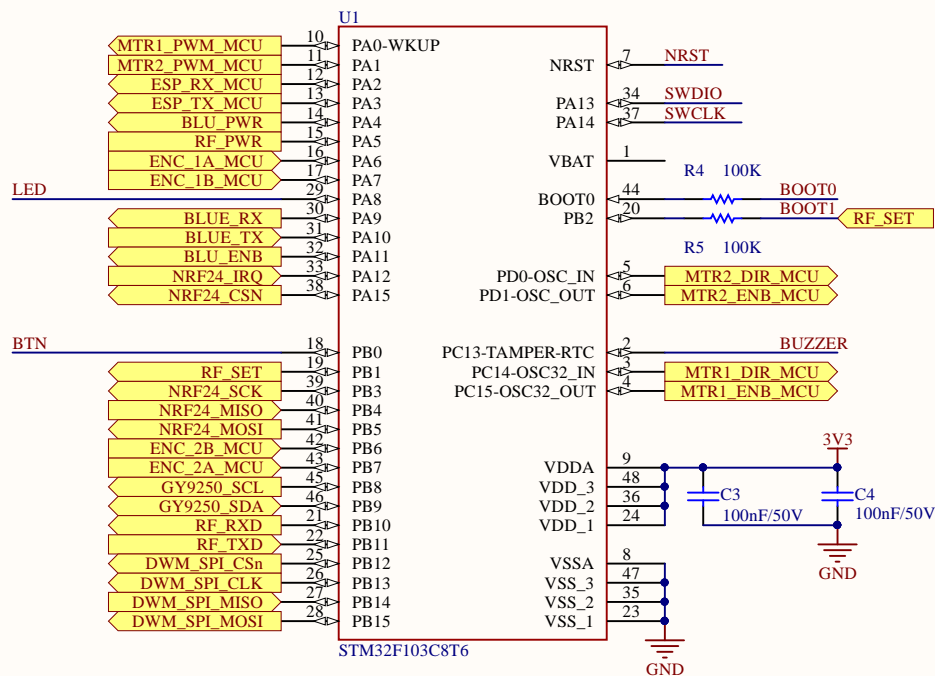
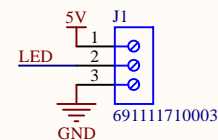
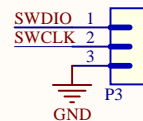
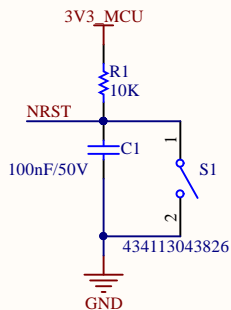
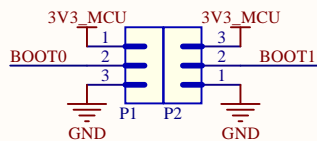
Output

5V  
5V\_Holy  
5V\_BLU  
5V\_HC12

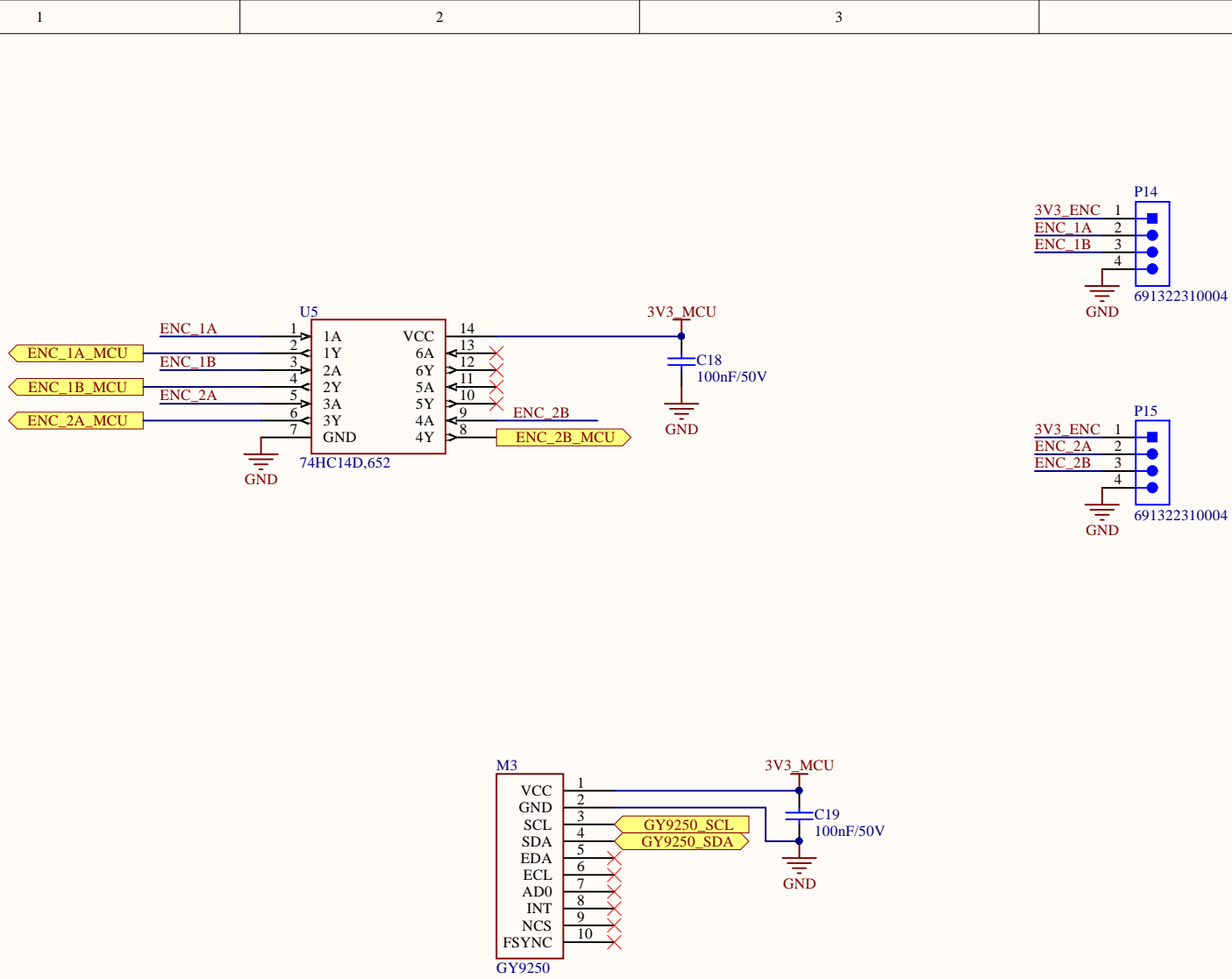
3V3\_MCU  
3V3\_MC  
3V3\_WIFI  
3V3\_BLU  
3V3\_RF  
3V3\_DWM

Note

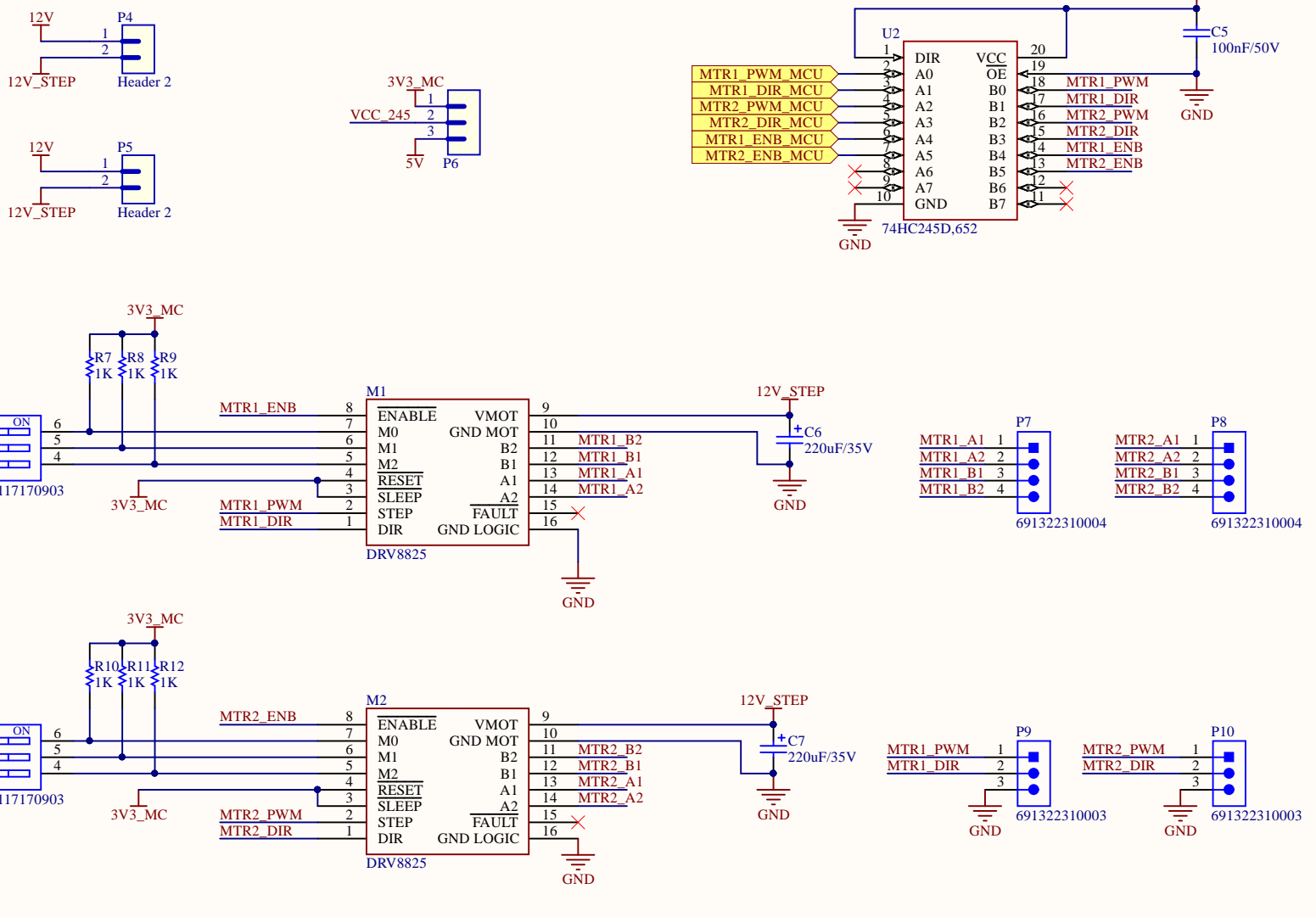
LC12S: 3V3      HC05-06 TH: 3V3 - 5V  
HC-12: 3V3 - 5V      HC05-06 SMD: 3V3  
NRF24L01: 3V3      ESP8266: 3V3  
Holybro: 5V



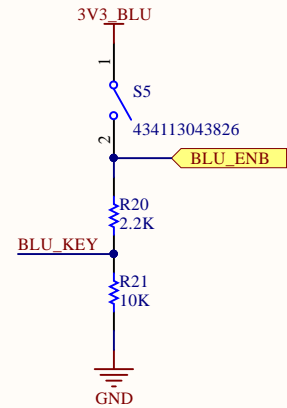
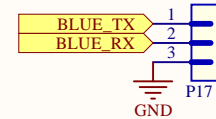
Title		
Size A	Number	Revision
Date:	6/11/2020	Sheet of
File:	E:\Projects\...\mcu.SchDoc	Drawn By:



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



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



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

# MATTERS NEEDING ATTENTION

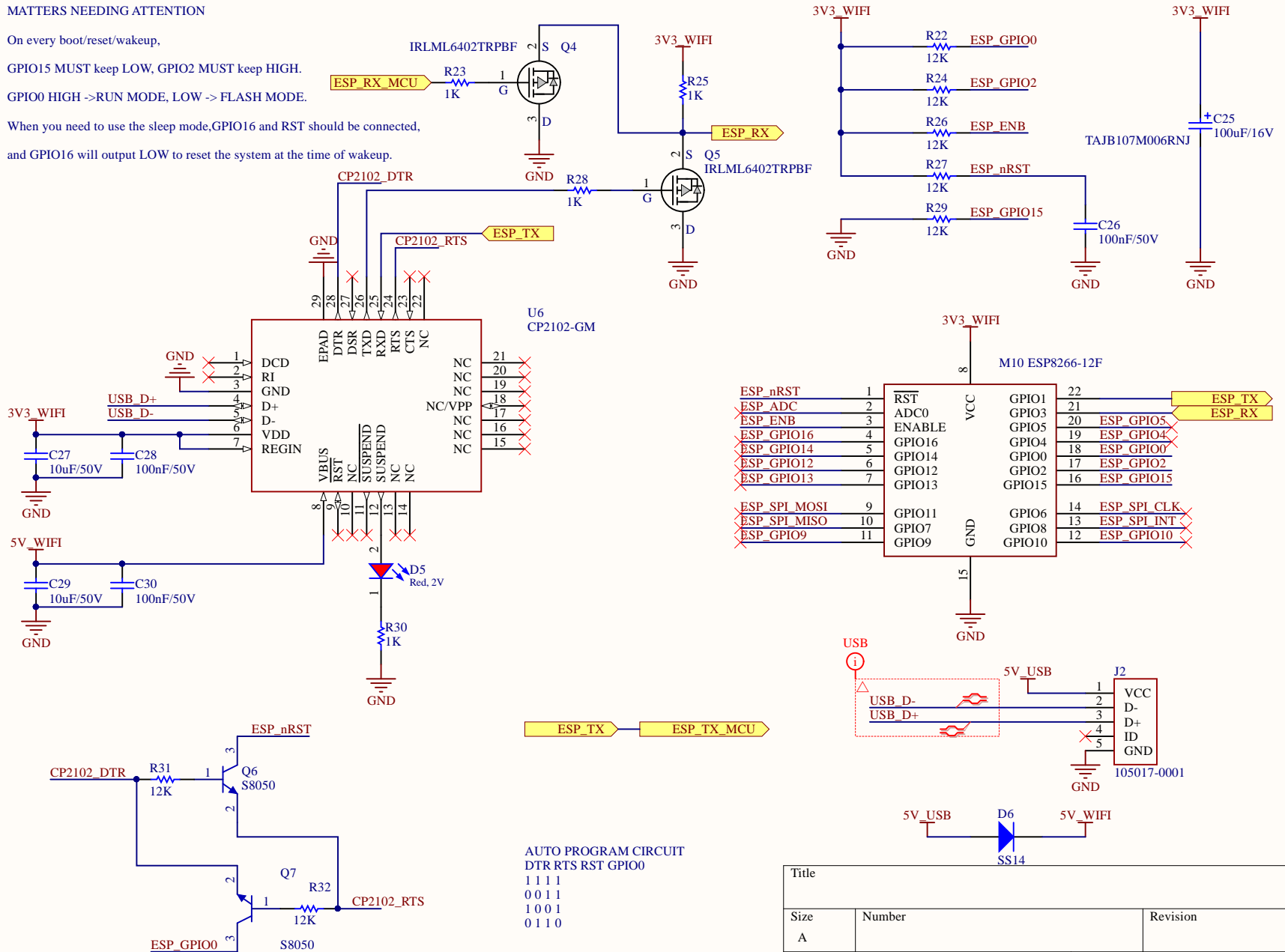
On every boot/reset/wakeup,

GPIO15 MUST keep LOW, GPIO2 MUST keep HIGH.

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

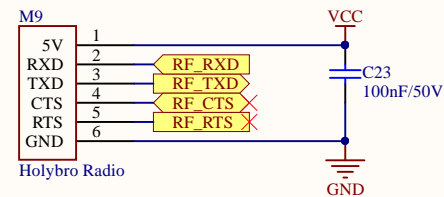
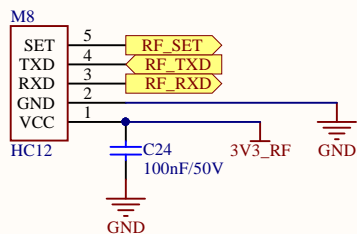
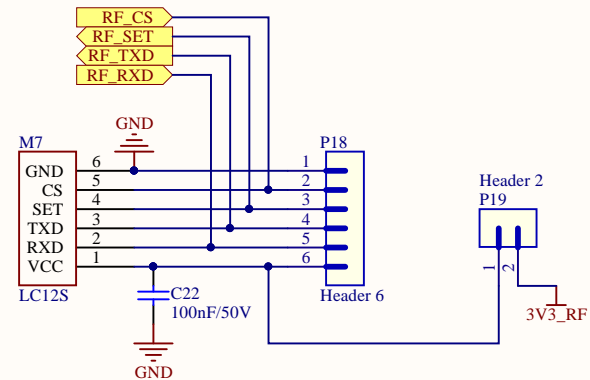
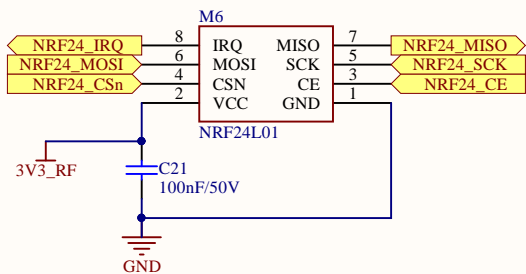
When you need to use the sleep mode, GPIO16 and RST should be connected,

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



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

