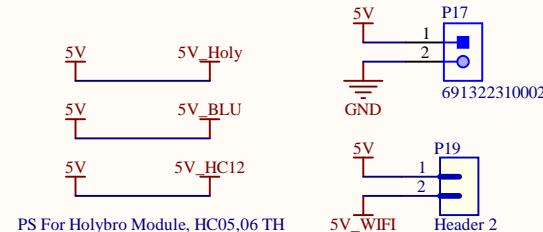
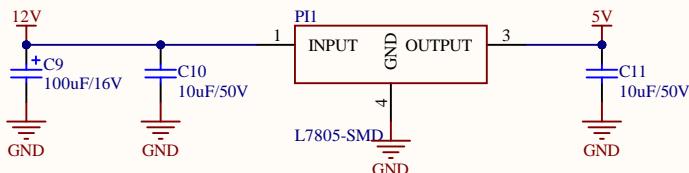
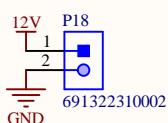
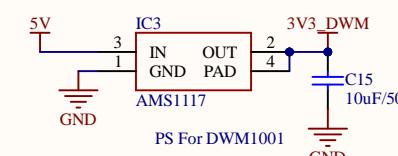
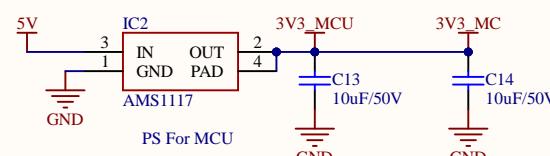
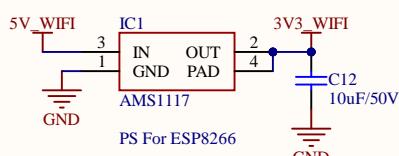


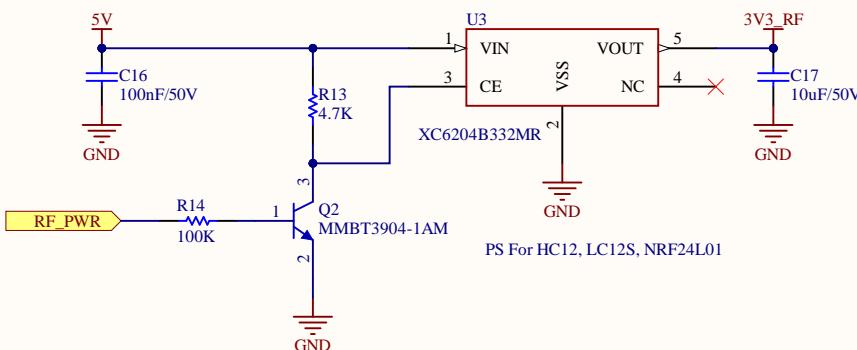
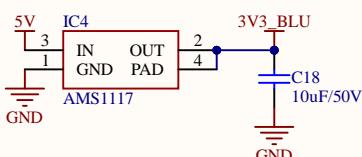
A



B



C



D

Input

12V

Output

5V
5V_Holy
5V_BLU
5V_HC12

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

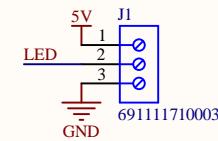
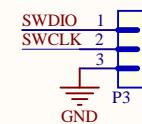
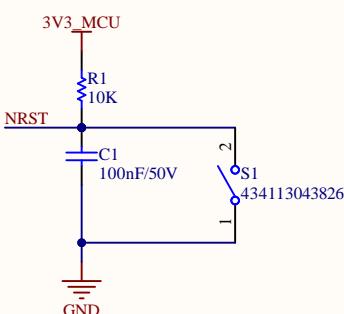
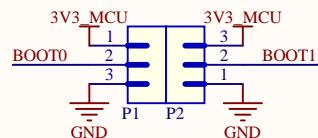
Note

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

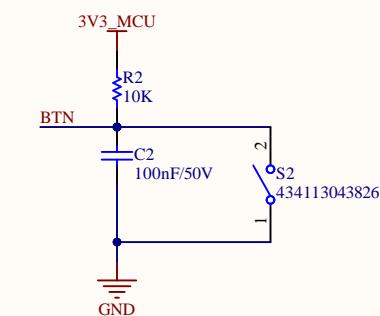
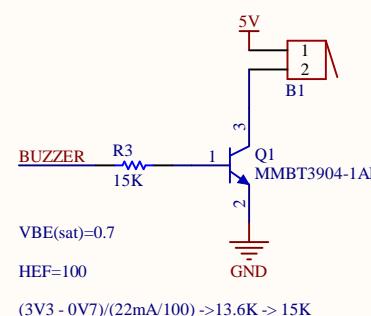
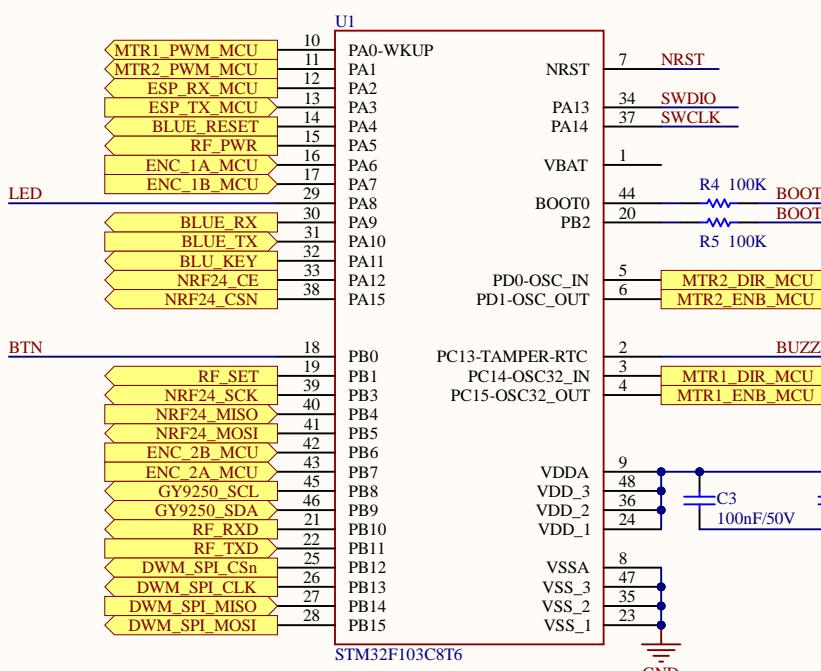
Project: PIFWRobot	PIF Club
Revision 1.0.0	Sheet 1 of 8
Date 3/22/2021	Time 9:55:02 AM
Author Van Tuan Ngo	Ly Thuong Kiet St., District 10, HCM, VN
File power_supply.SchDoc	



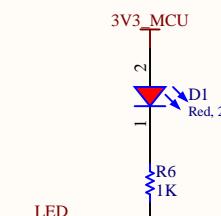
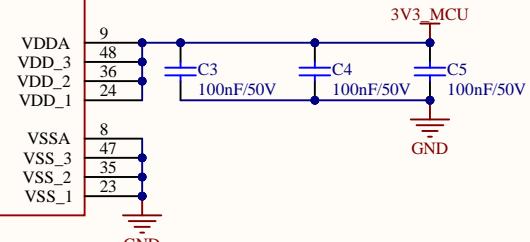
A



B



C



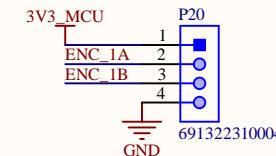
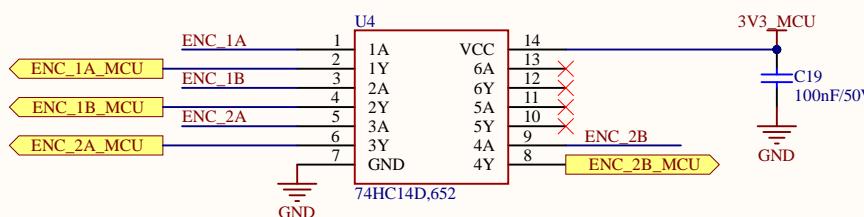
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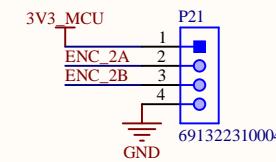
Project	PIFWRobot	PIF Club
Revision	1.0.0	Sheet 3 of 8
Date	3/22/2021	Time 9:55:03 AM
Author	Van Tuan Ngo	Ly Thuong Kiet St., District 10, HCM, VN
File	mcu.SchDoc	



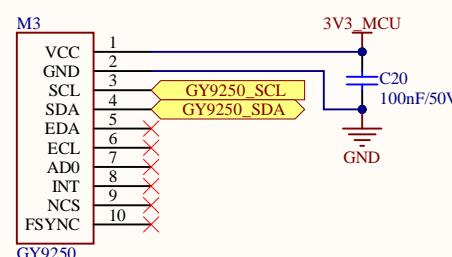
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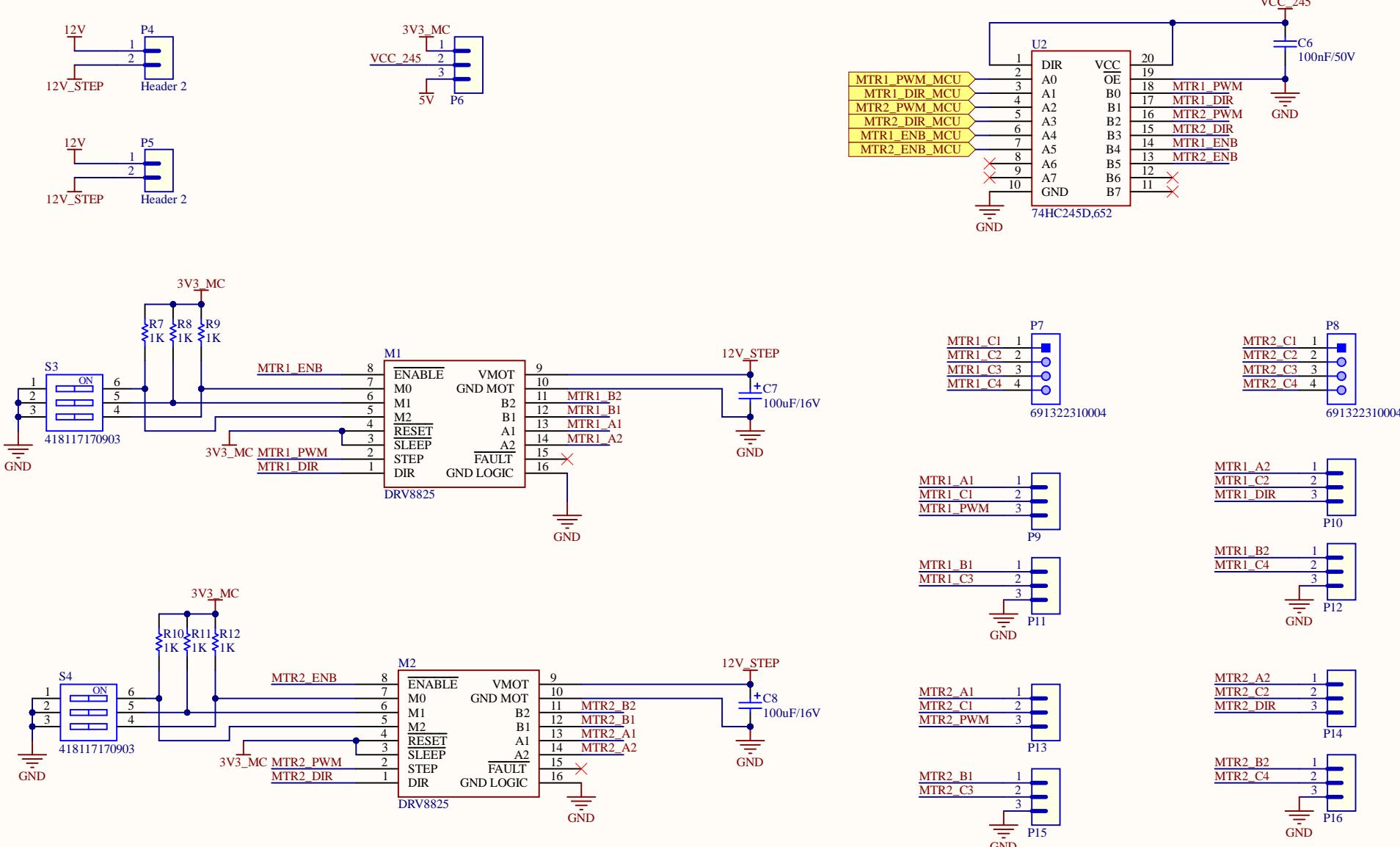
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C



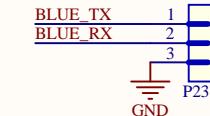
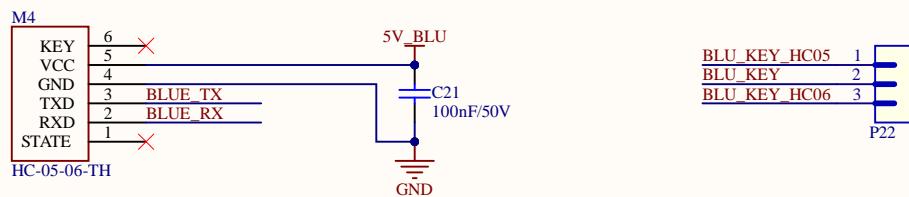
Project	PIFWRobot	PIF Club
Revision	1.0.0	Sheet 4 of 8
Date	3/22/2021	Time 9:55:03 AM
Author	Van Tuan Ngo	District 10, HCM, VN
File	sensor.SchDoc	



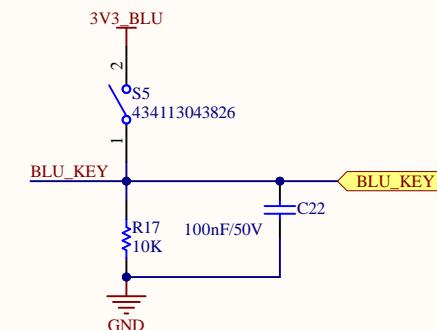
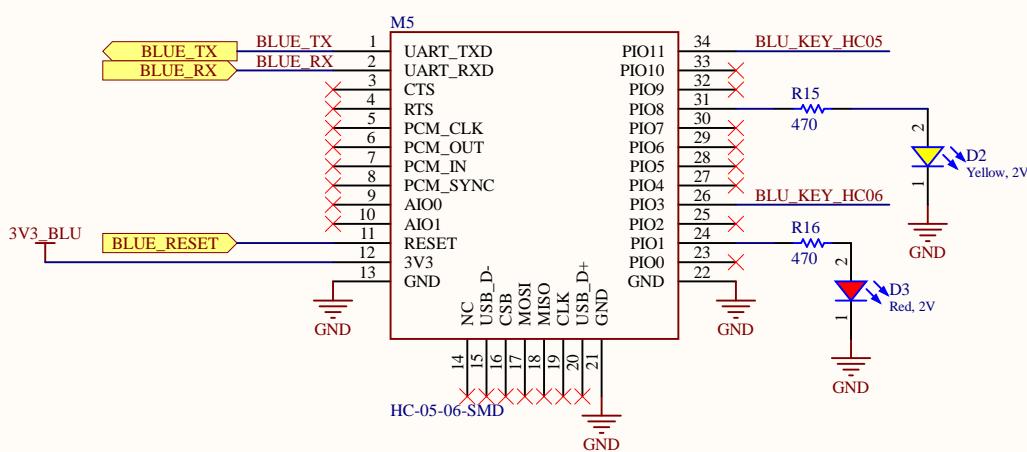
Project	PIFWRobot	PIF Club
Revision	1.0.0	Sheet 2 of 8
Date	3/22/2021	Time 9:55:04 AM
Author	Van Tuan Ngo	Ly Thuong Kiet St., District 10, HCM, VN
File	motor_controller.SchDoc	



A



B



C

D

Project	PIFWRobot	PIF Club
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File	bluetooth.SchDoc	

MATTERS NEEDING ATTENTION

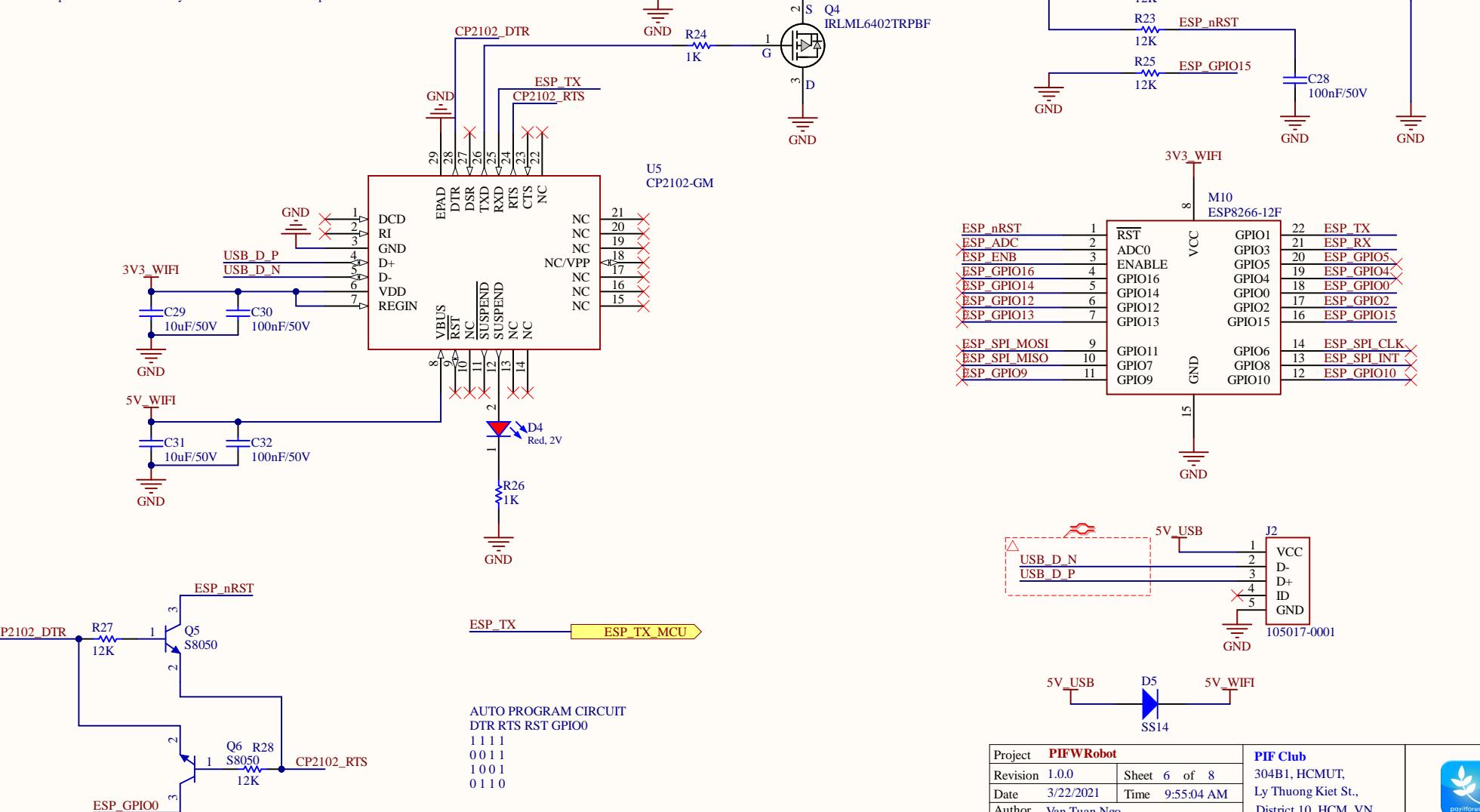
On every boot/reset/wakeup,

GPIO15 MUST keep LOW, GPIO2 MUST keep HIGH.

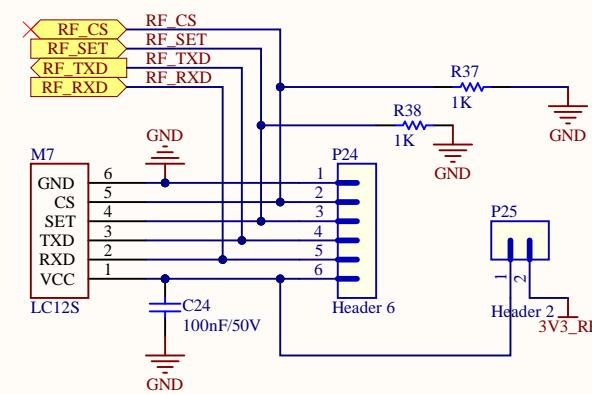
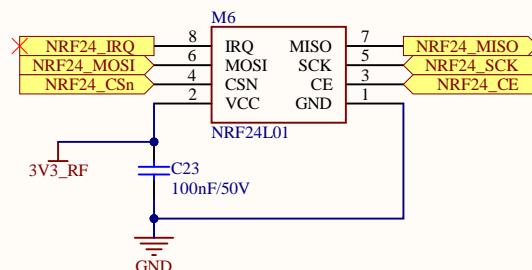
GPIO0 HIGH -> RUN MODE, LOW -> FLASH MODE.

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

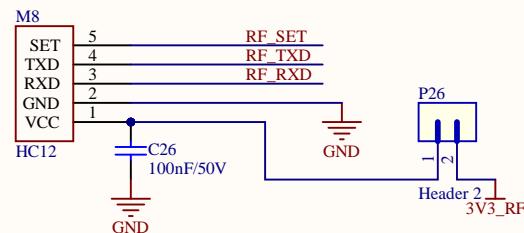
and GPIO16 will output LOW to reset the system at the time of wakeup.



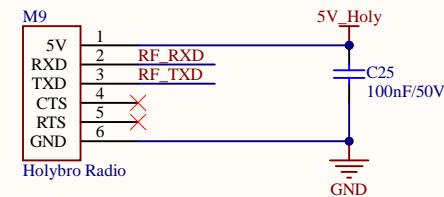
A



B



C

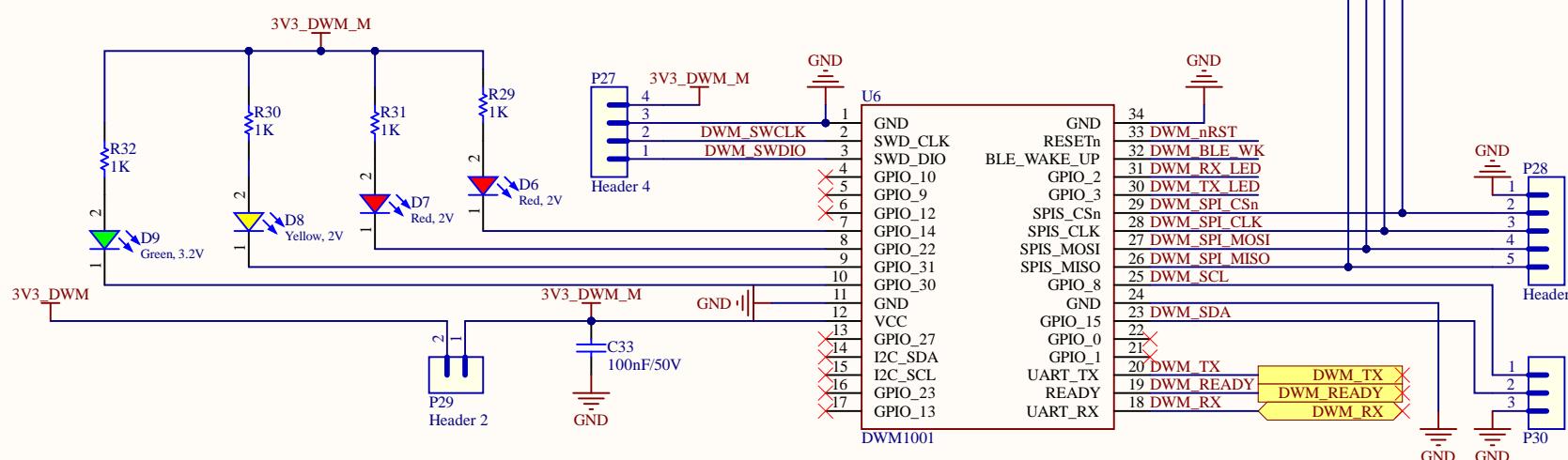


D

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File	radio_frequency.SchDoc



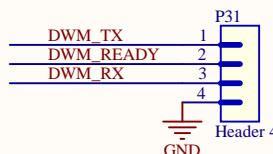
A



B

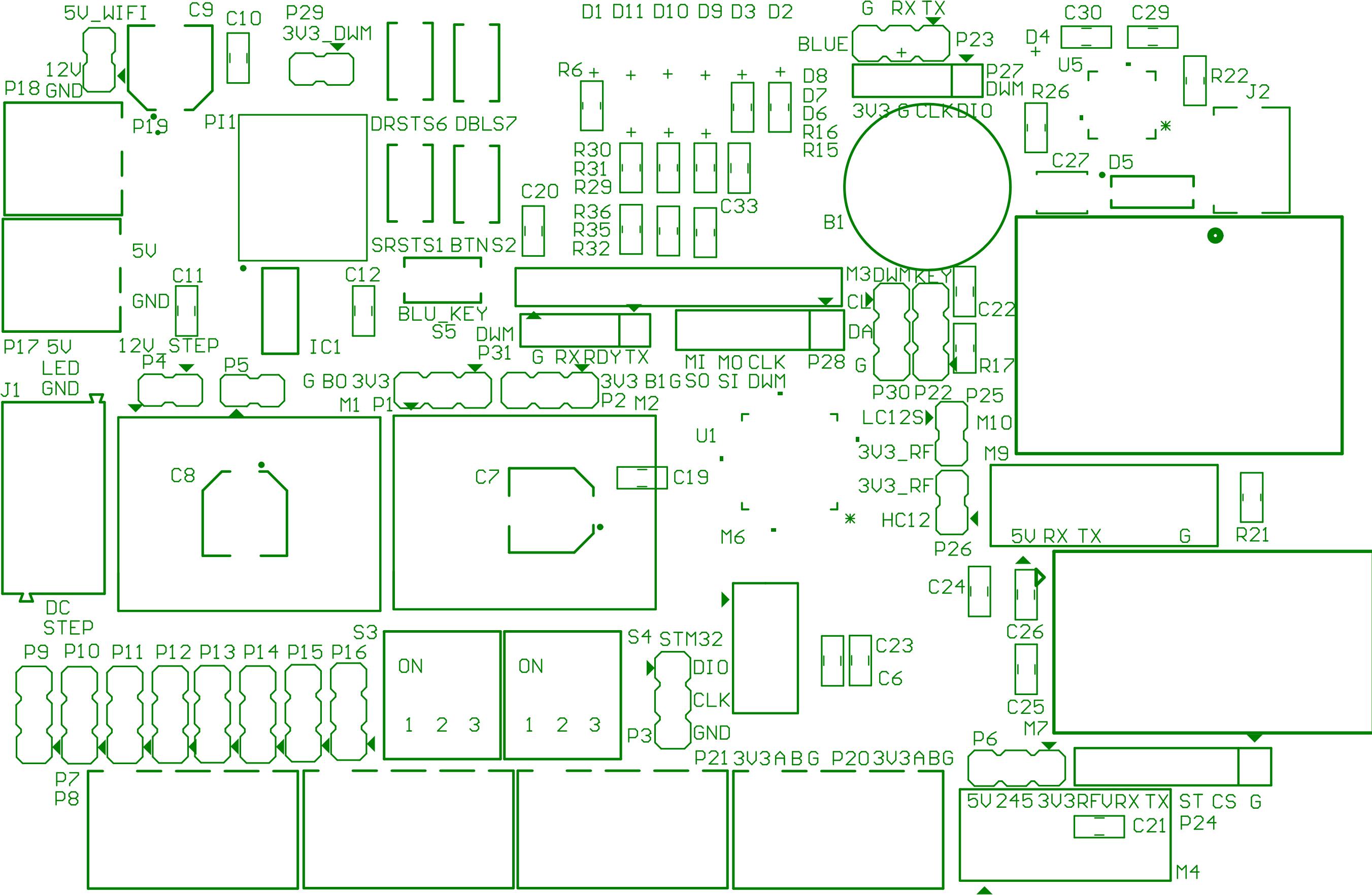


C



D

Project	PIFWRobot	PIF Club
Revision	1.0.0	Sheet 8 of 8
Date	3/22/2021	Time 9:55:05 AM
Author	Van Tuan Ngo	Ly Thuong Kiet St., District 10, HCM, VN
File	decawave.SchDoc	





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