

V0.0.1

tft Touch\_CS move to pin 17

V0.0.2

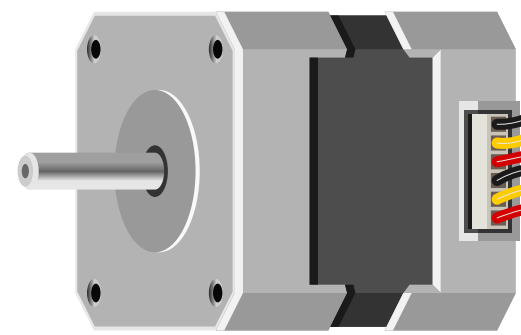
update lolin diagram

Encoder & button 4 wire color changed

Encoder pin connections changed

Button 1 changed to white

Added buck converter

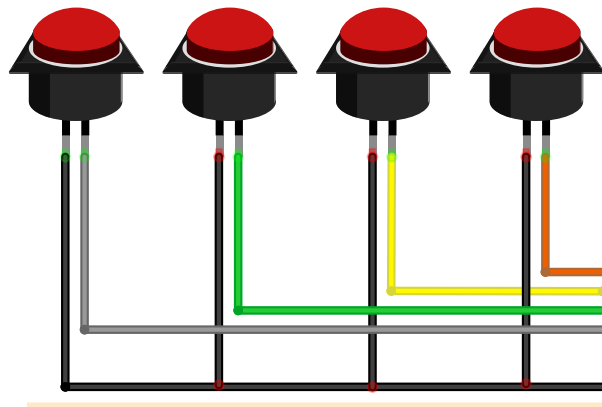


12V  
Power  
Supply

Stepper  
Driver  
Board

Encoder -  
Brown - 5V  
Purple - Blue  
Grey - S2  
White - S1  
Black - GND

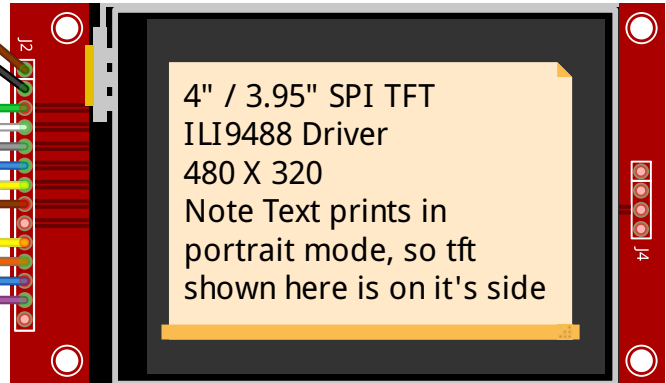
TFT pins in order	ESP32	Wire Colour	
TFT_VDD	3V3	Brown	
TFT_GND	GND	Black	
TFT_CS	15	green	Chip select
TFT_RST	4	white	Reset pin
TFT_DC	16	Grey	Data Command
TFT_MOSI	23	blue	
TFT_SCLK	18	yellow	
TFT_LED	3V3	Brown	
TFT_MISO		do not connect	
Touch_CCLK	18	yellow	
Touch_CS	17	orange	
Touch_DIN	23	blue	MOSI
Touch_TFT_DO	19	violet	MISO
Touch_IRQ		do not connect	



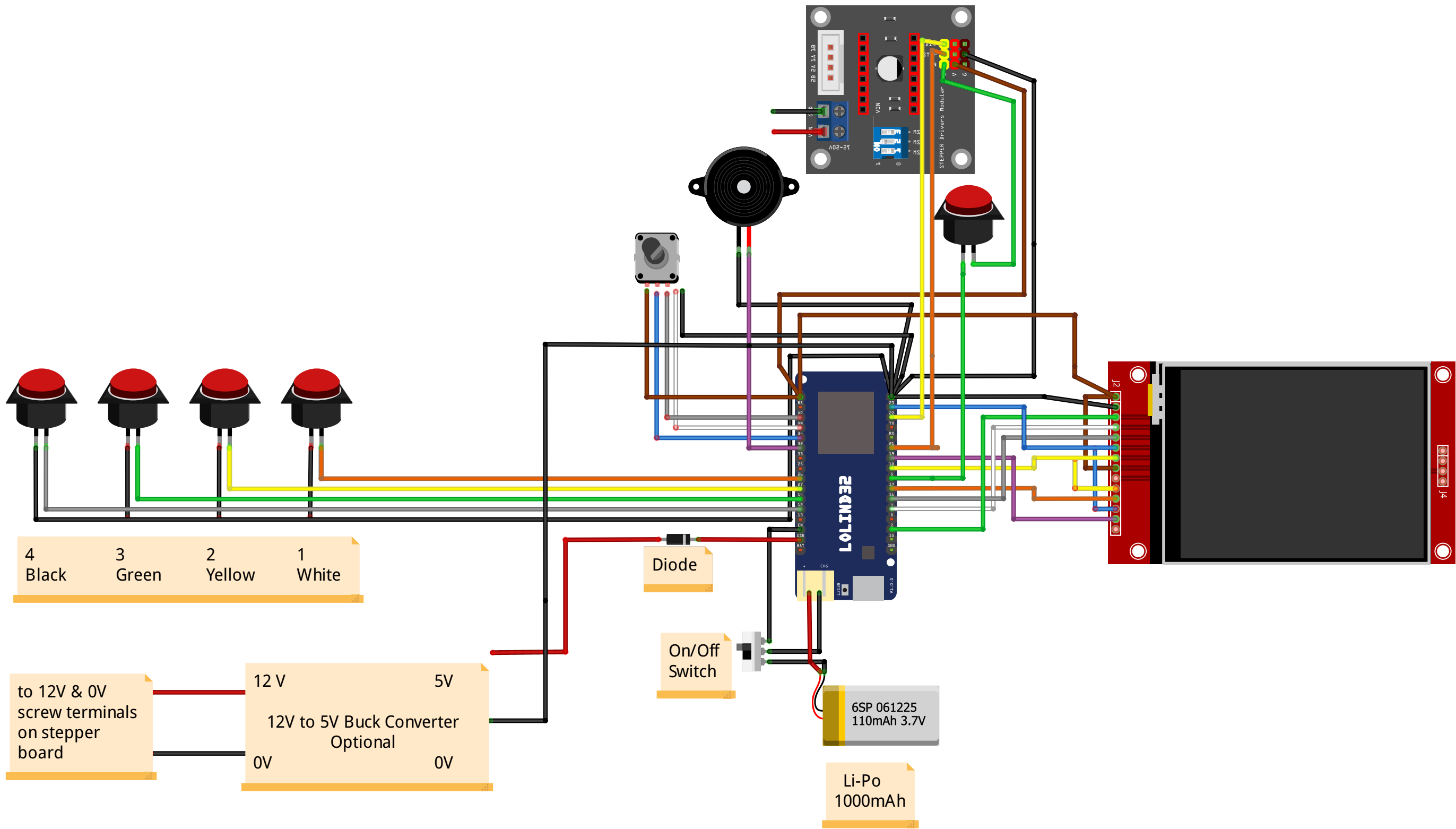
4 Black 3 Green 2 Yellow 1 White

to 12V & 0V  
screw terminals  
on stepper  
board

12 V 5V  
12V to 5V Buck Converter  
Optional  
0V 0V



Note:-  
DO NOT use the  
GND pin on the  
EPS32 board, that is  
located between  
pins 19 & 21.



Buttons

4 Black 3 Green 2 Yellow 1 White

to 12V & 0V  
screw terminals  
on stepper  
board

12 V 5V  
12V to 5V Buck Converter  
Optional  
0V 0V

Diode

On/Off  
Switch

6SP 061225  
110mAh 3.7V  
Li-Po  
1000mAh