

V0.0.1

tft Touch_CS move to pin 17

V0.0.2

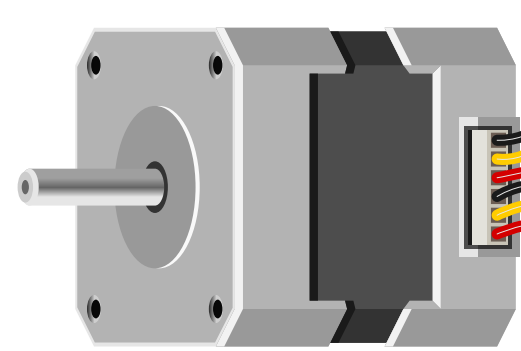
update lolin diagram

Encoder & button 4 wire color changed

Encoder pin connections changed

Button 1 changed to white

Added buck converter



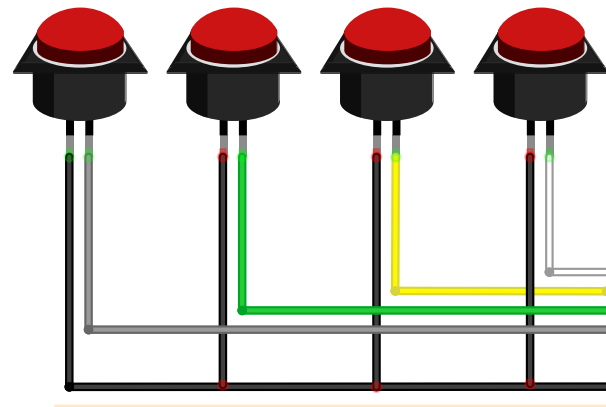
Stepper
Driver Board
(Optional)

12V
Power
Supply

Encoder -
Brown - 5V
Blue - Btn
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	

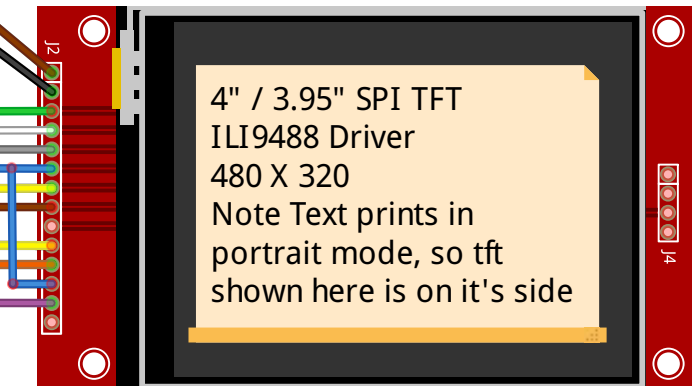
N/C
E-Stop
Button



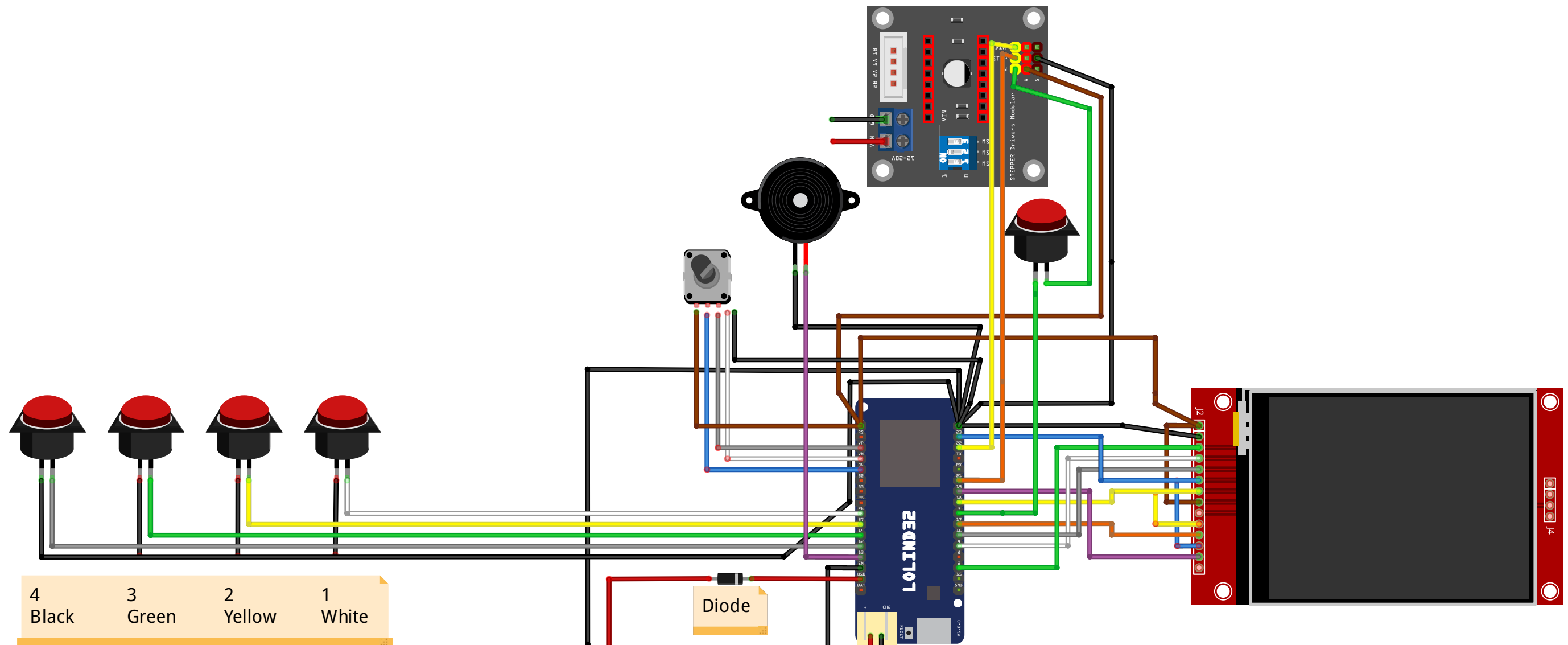
4 Black 3 Green 2 Yellow 1 White

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.



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

Buttons