

Version 4.0.0.0 Beta

Caution:-
Both 3.3Volt and 5 Volt devices are used.

3.3V wires are shown in Brown
5V wires are shown in Red.

When using JST connectors, there is no Brown wire, so use Red but be very careul to ensure correct connections.

Optional
Flash plug.
Centre pin -Green
Outer - Black

Encoder - (JST)
Red - 3.3V
Orange - Btn
White - S2
Yellow - S1
Black - GND

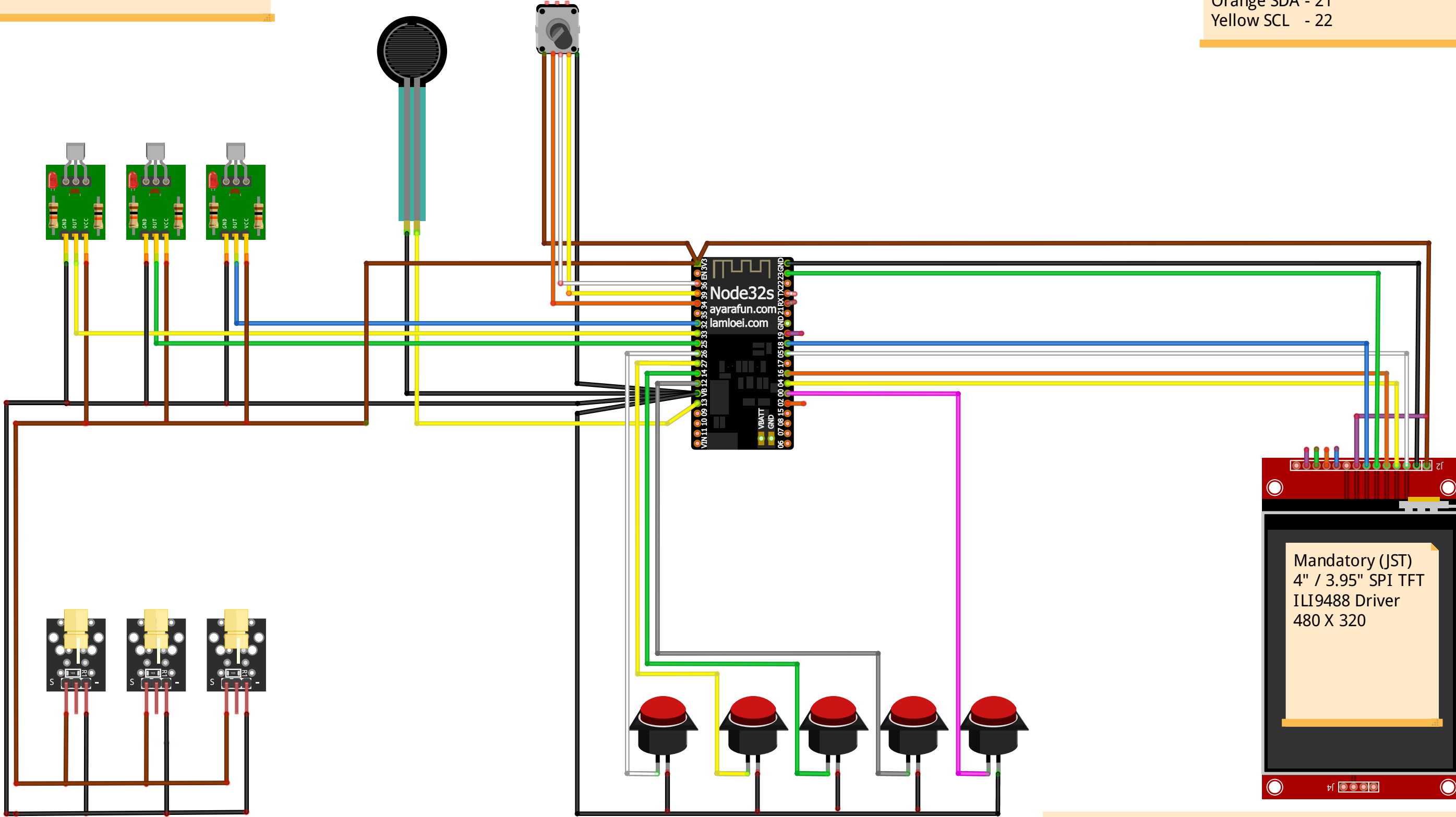
Optional
Light Sensor (JST)
GY-302
module
(5V)

Optional
LED Matrix (JST)
(shown upside down)
(5V)

Optional LCD - Depreciated.
Connections to iic on rear of LCD
Black GND
Red VCC (5V)
Orange SDA - 21
Yellow SCL - 22

Transparent three
legged sensors must
be fitted with the flat
surface at the rear
and the little dome
pointing over the
board and towards
the laser.
Connecting them
incorrectly WILL
destroy them.

Caution
To avoid sensor
damage, wire up the
rx modules BEFORE
plugging the
transparent sensos
into them. Double
check wiring BEFORE
powering up the
board & ensure LEDs
light.
Then de-power the
board and insert
sensors ENSURING
the sensor is fitted
the correct way
round.



1	2	3	4	5
White	Yellow	Green	Black	Red
Display Ave	Ave-Reset	LightMeter	Menu	LED Matrix

TFT pins in order	ESP32	Wire Colour	
TFT_VDD	3V3	Red	
TFT_GND	GND	Black	
TFT_CS	5	White	Chip select
TFT_RST	4	Yellow	Reset pin
TFT_DC	16 (2)	Orange	Data Command
TFT_MOSI	23	Green	
TFT_SCLK	18	Blue	
TFT_LED	3V3	Purple	
TFT_MISO	----	do no connect	
Wiring below not required			
Touch_CCLK	18	Blue	
Touch_CS	2 (15)	Orange	
Touch_DIN	23	Green	MOSI
Touch_TFT_DO	19	Violet	MISO
Touch_IRQ		do not connect	

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