Version 4.0.0.0 Beta *****

Transparent three legged sensors must be fitted with the flat surface at the rear and the little dome pointing over the

board and towards

Connecting them incorrectly WILL

destroy them.

Caution To avoid sensor damage, wire up the rx modules BEFORE

plugging the

transparent senors

check wiring BEFORE

board & ensure LEDs

Then de-power the board and insert sensors ENSURING the sensor is fitted the correct way

into them. Double

powering up the

light.

round.

the laser.

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)

Connections to iic on rear of LCD **Black GND** Red VCC (5V) Orange SDA - 21 Yellow SCL - 22 ≨Node32s € Ш Ш Mandatory (JST) 4" / 3.95" SPI TFT ILI9488 Driver 480 X 320

> 3 White Yellow Green Black Red Display Ave Ave-Reset LightMeter Menu LED Matrix

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

ESP32 TFT pins in order Wire Colour TFT_VDD 3V3 Red TFT_GND GND Black White TFT_CS 5 Chip select TFT_RST 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 MOSI 23 Green Touch TFT DO MISO 19 Violet Touch_IRQ do not connect

Optional LCD - Depreciated.