ëRadio - simple myoptions.h generator - v0.8.1

feel difference

COMMANDMENTS

- Do not use 16-17 GPIOs on WROVER module.

- Do not pullup the 12th GPIO from the outside.

- Empty value = error.

- GPIOs 34 to 39 are GPIs – input only pins. These pins don't have internal pull-up or pull-down resistors. They can't be used as outputs, so use these pins only as inputs.

- Connect display and VS RST-pin to EN ESP32 pin (value -1).

- Try not to use GPIO 0 unnecessarily.

- Please check out this article: **https://randomnerdtutorials.com/esp32-pinout-reference-gpios/**

- Please check out this article: **https://randomnerdtutorials.com/esp32-spi-communication-arduino/**

- Please check out this article: **https://github.com/e2002/yoradio#hardware-setup**

- Please check out this article: **https://github.com/e2002/yoradio/wiki/How-to-flash**

↑   ↓

ESP32 MODULE   **?**

◯ **WROOM**   ◯ WROVER

I NEED TO SET UP   **?**

☐ **LANGUAGE**   ☐ **DISPLAY**   ☐ BUTTONS   ☐ **ENCODERS**

☐ **TOUCHSCREEN**   ☐ **SD CARD**   ☐ RTC   ☐ **IR, LED, ETC.**

LANGUAGE (?)

◯ **EN**   ◯ RU

DISPLAY (?)

◯ NO DISPLAY   ◯ ST7735   ◯ SSD1306   ◯ NOKIA 5110   ◯ ST7789

◯ SH1106   ◯ 1602 I2C   ◯ SSD1306X3   ◯ SSD1327   ◯ **ILI9341**

◯ SSD1305   ◯ SH1107   ◯ LCD 1602   ◯ GC9106   ◯ 2004 I2C

◯ LCD 2004   ◯ SSD1305 I2C ◯ ILI9225   ◯ ST7789X24   ◯ ST7796

◯ GC9A01A   ◯ ILI9488   ◯ ILI9486   ◯ SSD1322   ◯ ST7920

☐ + NEXTION

Available display models

↑   ↓

DISPLAY PINS (?)

DISPLAY SPI BUS

◯ VSPI (MOSI-23, MISO-19, SCK-18)   ◯ **HSPI (MOSI-13, MISO-12, SCK-14)**

DC	CS	RST	BACKLIGHT
2	15	-1	21

AUDIO   (?)

○ **I2S EXTERNAL**   ○ VS1053   ○ INTERNAL   ☐ MONO

AUDIO PINS   (?)

DIN	DOUT	BCLK	LRC	WSEL
22	27	35

ENCODERS   (?)

☐ ENCODER #1   ☐ ENCODER #2

↑   ↓

TOUCH SCREEN   (?)

○ **XPT2046**   ○ GT911

TS SPI BUS

○ **VSPI (MOSI-23, MISO-19, SCK-18)**   ○ HSPI (MOSI-13, MISO-12, SCK-14)

CS

33

SD CARD   (?)

SD SPI BUS

⬤ **VSPI (MOSI-23, MISO-19, SCK-18)**   ◯ HSPI (MOSI-13, MISO-12, SCK-14)   ◯ CUSTOM

CS

5

ETC. (?)

☐ **LED PIN**   ☐ IR PIN   ☐ MUTE PIN   ☐ WAKE PIN   ☐ **LIGHT SENSOR**

LED INDICATOR

4

LIGHT SENSOR

34

↑   ↓

(RESET)   (GET MYOPTIONS.H)   (PREVIEW)   (COPY)

>> link to this configuration <<

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project homepage