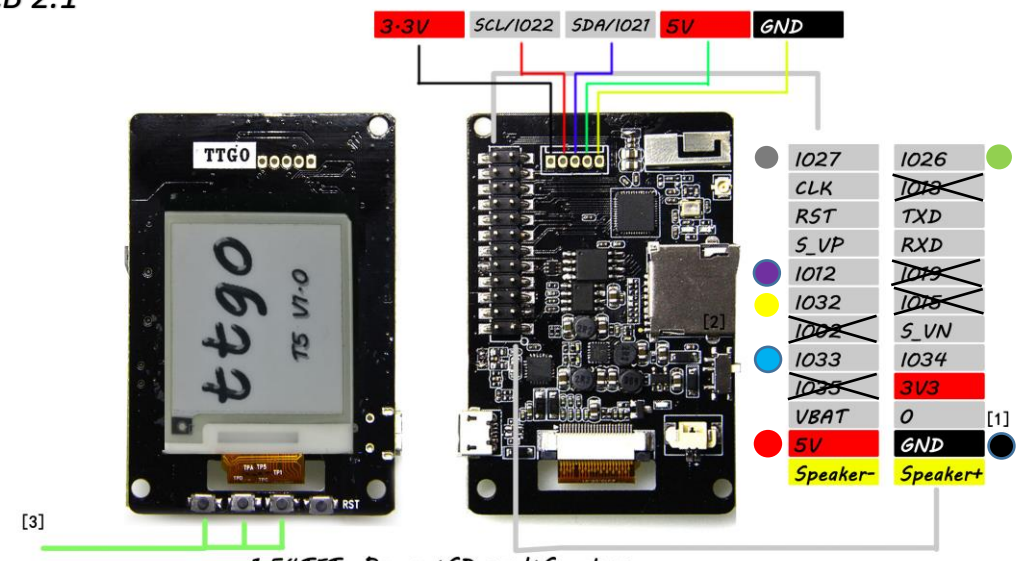
GNUVARIO-E

TTGO T5 V1.6 ou 2.4

PCB 2.1

NON UTILISE



1·54TFT ePaper +SD card+Speakers

Wifi + Buletooth Board

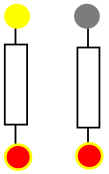
[1] : GPIO0

[2] :

DAT2	SD2-IO12
DAT3	SD3-CS-IO13
CMD	CMD-MOSI-IO15
CLK	CLK-SCK-IO14
DAT0	SDO-MISO-IO2
DAT1	SD1-IO4

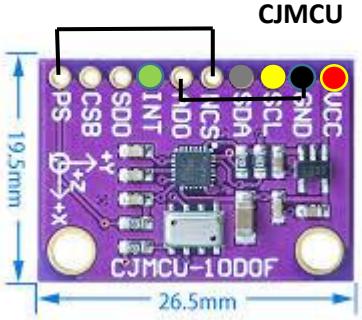
[3] :

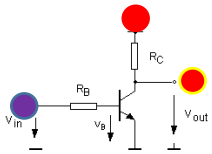
Button1	GPIO38
Button2	GPIO37
Button3	GPIO39



GPS

CJMCU





GPS	*ESP32*
VCC	5V
GND	GND
TX	IO33
CJMCU	*ESP32*
VCC	5V
GND	GND
SCL	IO32
SDA	IO27
INT	IO26

Ampli classD	*ESP32*
In	IO25
Enable	IO19
Alimentation	
Power / transistor	IO12
Tension	IO35

MPU 9250 / MS5611

SDA	IO27
SCL	IO32
INT	IO26

Ecran EPaper 1.54''

CS/SS	IO05
DC	IO17
RST	IO16
BUSY	IO04
MOSI	IO15
MISO	IO02
SCK	IO14

SDCard

CS	IO13
MOSI	IO15
MISO	IO02
SCK	IO14

Boutons

Bouton A	IO38
Bouton B	IO37
Bouton C	IO39

HP

PWM/DAC	IO25
Ampli (EN)	IO19

GPS

RX	IO33

Lecture de la charge batterie

Tension	IO35

Alimentation

Transistor	*IO12*

IO02	MISO	SDCARD / E-INK
IO04	BUSY	E-INK
IO05	CS/SS	E-INK
IO12	POWER	Transistor / POWER
IO13	CS	SDCARD
IO14	SCK	SDCARD / E-INK
IO15	MOSI	SDCARD/E-INK
IO16	RTS	E-INK
IO17	DC	E-INK
IO19	EN	Enable AmpliD
IO21	SDA	MPU
IO22	SCL	MPU
IO25	PWM/DAC	HP
IO26	INT	INT MPU9250
IO27	SDA	SDA MPU9250
IO32	SCL	SCL MPU9250
IO33	TX	GPS
IO34		
IO35	VOLT	pont diviseur (100k/100K)
IO37	BTN	Bouton B
IO38	BTN	Bouton A
IO39	BTN	Bouton C