

1

G 1 2 42 41

40 39 37 36 35

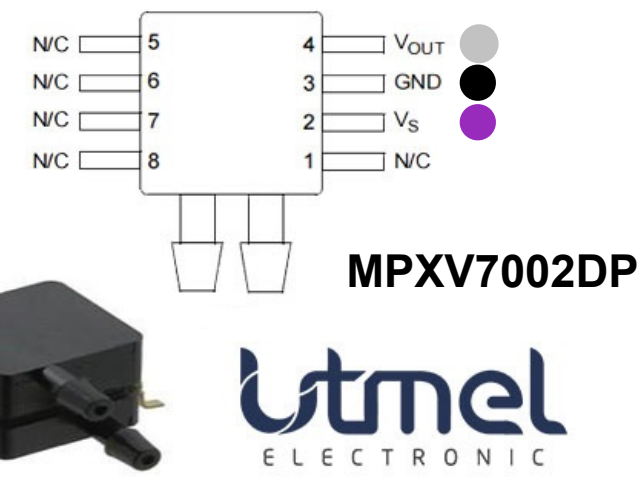
C-E, SCALE, INSTRUMENT

4

10 G

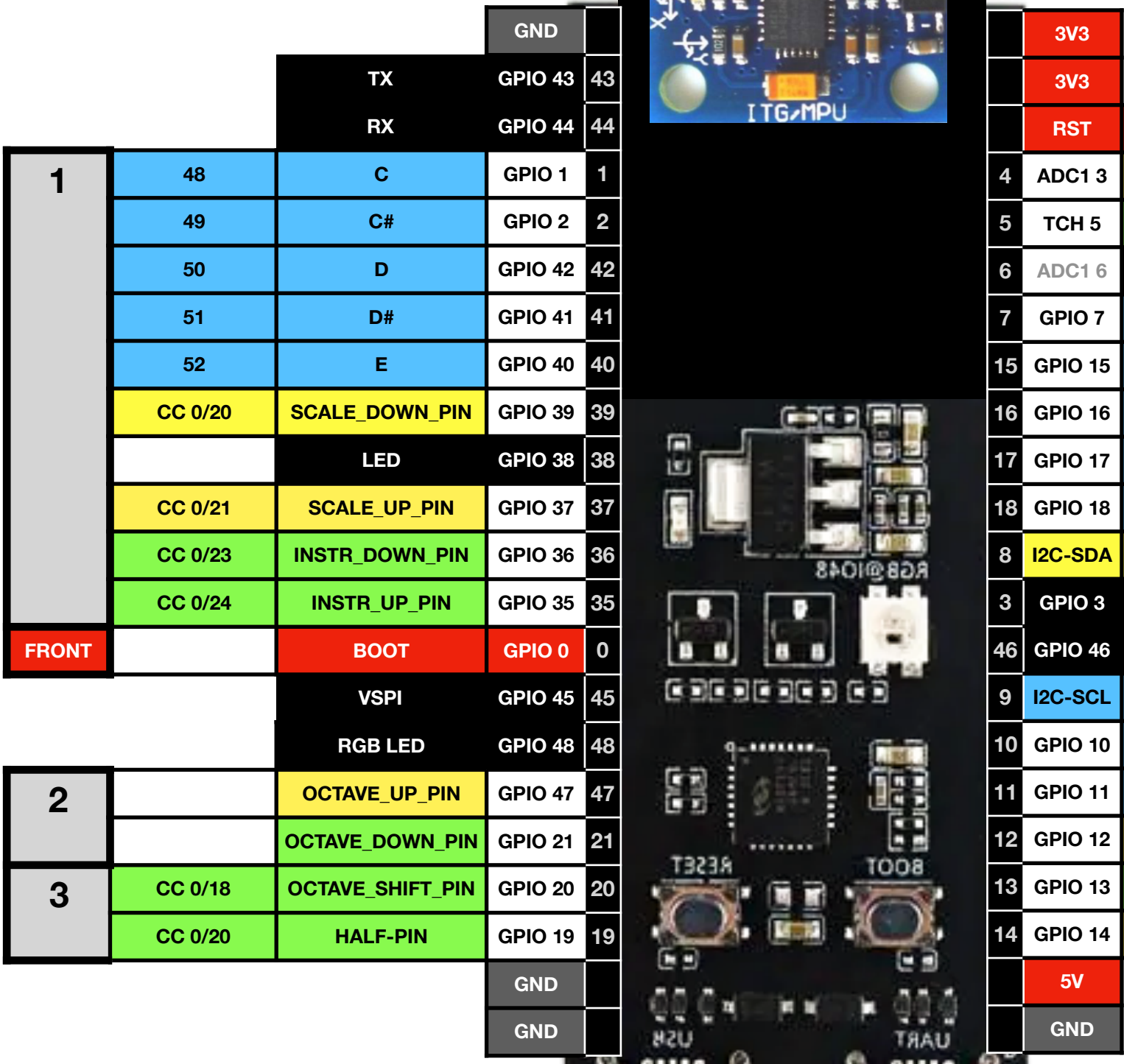
7 15 16 17 18

F-A#



MPXV7002DP

utmel ELECTRONIC



ITG/MPU

8201@82A

T323A

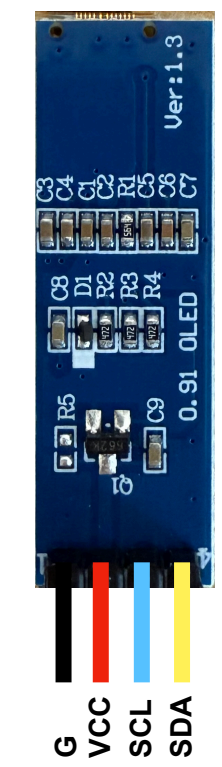
T008

82U

TRAU

	3V3				
	3V3				
	RST	RESET			FRONT
4	ADC1 3	BREATH_PIN	CC 0/7,11		BACK
5	TCH 5	MOUTH_PIN	CC 0/25		
6	ADC1 6	MOD_PIN	50		
7	GPIO 7	F	53		4
15	GPIO 15	F#	54		
16	GPIO 16	G	55		
17	GPIO 17	G#	56		
18	GPIO 18	A	57		
8	I2C-SDA	SDA	7		
3	GPIO 3	JTAG			
46	GPIO 46	LOG			
9	I2C-SCL	SCL	7		
10	GPIO 10	A#	58		
11	GPIO 11	B	59		5
12	GPIO 12	AUX1_PIN	CC 0/14		6
13	GPIO 13	AUX2_PIN	CC 0/15		
14	GPIO 14	PLAY_PIN	CC 0/22		3
	5V				7
	GND				

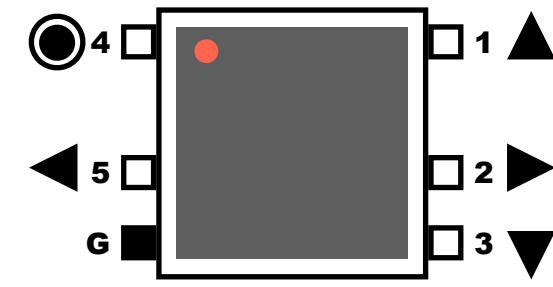
DISPLAY FROM BACK



Ver:1.3

G VCC SCL SDA

FIVE WAY SWITCH FROM BACK



4 1 5 2 G 3

2

G 47 21

3

G 19 20 14

7

G 3V SCL SCL 5V

OCTAVE

HALF,OCTAVE SHIFT, PLAY

DISPLAY, ON-OFF

1-8 CASE VIEW FROM FRONT

5

G 11

6

G 12 13

8

G 5 4 3V

B

AUX 1,2

BACK

JIM 1 - BOTTOM



board: ESP32-S3
 breath: MPXV7002DP sensor
 display: OLED I2C 128x32
 accelerometer MPU6050
 SWITCHES: 5-WAY DIP 10x10