PB3 **PB4** **PB5** **PB6**

KEY1 KEY2 KEY3 KEY4

BZ1

V3.3

LED1

R6 550 PB7

LED2

R7 550 PB8

GND

R4 1k PA0

Q1

R5 10k

GND

U2
OLED_SPI

6		GND
5		V3.3
4		PB12
3		PB13
2		PB14
1		PB15

U3
hc_sr501.h

3 — VCC5
2 — PA5
1 — GND

U4
MQ-2

4 — AO
3
2 — GND
1 — VCC5

J2

PB12	1
PB13	2
PB14	3
PB15	4
PA8	5
PA9	6
PA10	7
PA11	8
PA12	9
PA15	10
PB3	11
PB4	12
PB5	13
PB6	14
PB7	15
PB8	16
PB9	17
VCC5	18
GND	19
V3.3	20

U1
stm32 -

PB12	1	B12	G	40	GND
PB13	2	B13	G	39	GND
PB14	3	B14	3.3	38	V3.3
PB15	4	B15	R	37	R
PA8	5	A8	B11	36	PB11
PA9	6	A9	B10	35	PB10
PA10	7	A10	B1	34	PB1
PA11	8	A11	B0	33	PB0
PA12	9	A12	A7	32	PA7
PA15	10	A15	A6	31	PA6
PB3	11	B3	A5	30	PA5
PB4	12	B4	A4	29	PA4
PB5	13	B5	A3	28	PA3
PB6	14	B6	A2	27	PA2
PB7	15	B7	A1	26	PA1
PB8	16	B8	A0	25	PA0
PB9	17	B9	C15	24	PC15
VCC5	18	5V	C14	23	PC14
GND	19	G	C13	22	PC13
V3.3	20	3.3	VB	21	VB

J1

GND	1
GND	2
V3.3	3
R	4
PB11	5
PB10	6
PB1	7
PB0	8
PA7	9
PA6	10
PA5	11
PA4	12
PA3	13
PA2	14
PA1	15
PA0	16
PC15	17
PC14	18
PC13	19
VB	20

PA4

R3 1k AO

R2 1k

R1 1k GND

U6
SIM900A

PB10 — 1
PB11 — 2
V3.3 — 3
GND — 4

U5
DS18B20

V3.3 — 1
PA6 — 2
GND — 3