LCD1

Pin	Signal	
1	GND	
2	Anode	+3.3V
3	Katode	R1 33*
4	Katode	Q1
5	Katode	Brightnes
6	Katode	IRLML6344
7	D0	D0
8	D1	D1
9	D2	D2
10	D3	D3
11	D4	D4
12	D5	D5
13	D6	D6
14	D7	D7
15	-WR	WR-
16	-RD	RD-
17	-RESET	RST-
18	-CS	CS-
19	-RS	RS-
20	VCC	+3.3V
21	YU	XR
22	XL	YU
23	YD	XL
24	XR	YD

ILI9325

C1 100nF

U4 STM32F103C8T6

Pin	Signal		Pin	Signal
10	PA0-WKUP	XR	18	PB0 D0
11	PA1	YU	19	PB1 D1
12	PA2	XL	20	PB2/BOOT1 D2
13	PA3	YD	39	PB3/JTDO D3
14	PA4	B1	40	PB4/JNTRST D4
15	PA5	B2	41	PB5 D5
16	PA6	BEEP	42	PB6 D6
17	PA7	Brightnes	43	PB7 D7
29	PA8	B3	45	PB8 WR-
30	PA9	B4	46	PB9 RD-
31	PA10	RS-	21	PB10 SCL
32	PA11	CS-	22	PB11 SDA
33	PA12	RST-	25	PB12 LCD-CS
34	PA13/JTMS/SWDIO		26	PB13 SCK
37	PA14/JTCK/SWCLK		27	PB14 MISO
38	PA15/JTDI		28	PB15 MOSI
5	OSC_IN/PD0		2	PC13-TAMPER-RTC
6	OSC_OUT/PD1		3	PC14-OSC32_IN
44	BOOT0		4	PC15-OSC32_OUT
7	NRST			
1	VBAT			
24	VDD_1		23	VSS_1
36	VDD_2		35	VSS_2
48	VDD_3		47	VSS_3
9	VDDA		8	VSSA

SWD Header 5H

1	+5V from EXP1 +5V
2	
3	GND
4	
5	+3.3V

Y1 8MHz

C9 100nF
R6 10k +3.3V
C10 100nF
C11 100nF
C12 100nF

U1 LM1117IMP-3.3

PMEG2020EJ D1 +3.3V
C2 100nF C3 22uF
3 IN OUT 2 +3.3V
4 TAB GND 1
C4 22uF C5 100nF

EXP2 BH-10

MISO	1	2	SCK
LCD-CS	3	4	SD-CS
	5	6	MOSI
SD-DET	7	8	
GND	9	10	KILL

+3.3V R4 10k

+3.3V R2 10k R3 10k
SDA
SCL

BUZ1 Buzer 1205
BEEP C14 4.7uF +/-