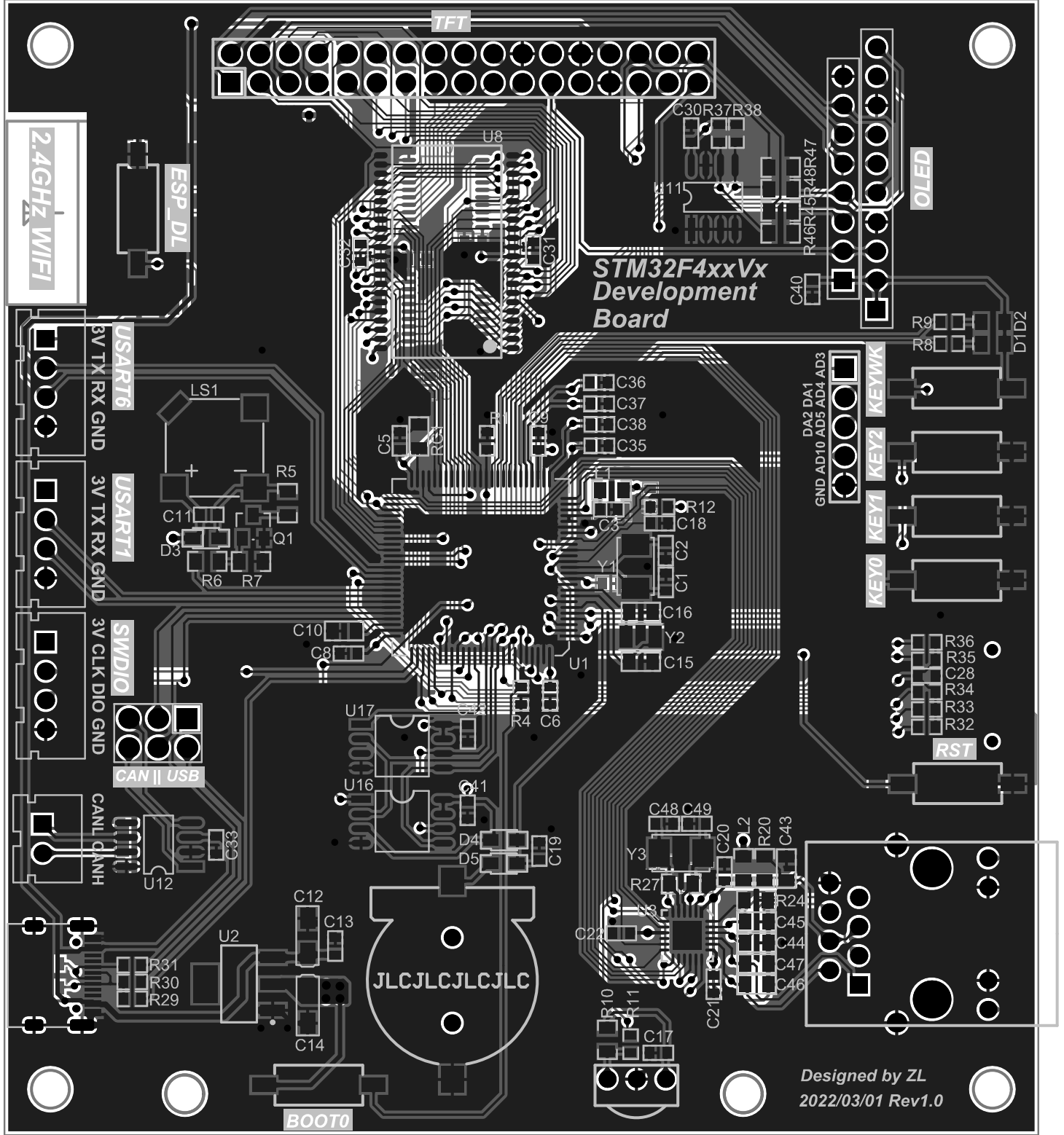


Title		
Size	Number	Revision
A4		
Date:	3/06/2022	Sheet of
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2.4GHz WIFI

ESP-DL

USART6

USART1

SWDIO

CAN || USB

3V TX RX GND 3V TX RX GND 3V CLK DIO GND

CANL CANH

BOOT0

TFT

STM32F4xxVx  
Development  
Board

OLED

DA2 DA1  
GND AD10 AD5 AD4 AD3

KEY0 KEY1 KEY2 KEYWK

RST

Designed by ZL  
2022/03/01 Rev1.0

JLCJLCJLCJLC

Comment	Description	Designator	Footprint	LibRef	Quantity
Battery	Multicell Battery	BT1	CR1220	Battery	1
18p	Capacitor	C1, C2, C48, C49	C0603	Cap	4
104	Capacitor, 电容	C3, C4, C5, C6, C7, C8, C9, C11, C13, C17, C18, C19, C20, C21, C22, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C40, C41, C42	C0603	Cap	31
225	Capacitor	C10, RC1	C0805	Cap	2
10uF	Polarized Capacitor (Axial), 电解电容	C12, C14, C25	C3216	Cap Pol2	3
10p	Capacitor	C15, C16	C0805	Cap	2
471	Capacitor	C23	C0805	Cap	1
105	Capacitor	C24	C0805	Cap	1
103	Capacitor	C39	C0805	Cap	1
223	Capacitor	C43	C0805	Cap	1
10pF	Capacitor	C44, C45, C46, C47	C0805	Cap	4
LED1	Typical RED GaAs LED	D1, D2	LED0805	LED1	2
1N4148	二极管, High Conductance Fast Diode	D3, D4, D5	SOD323	Diode 1N4007, Diode 1N4148	3
BEAD/600R	Inductor, 磁珠	L1, L2	L0805	Inductor	2
B8530	Magnetic Transducer Buzzer	LS1	B8530	B8530	1
Header 3X2	Header, 3-Pin, Dual row	P1	HDR-TH_6P-P2.54-V-M-R2-C3-S2.54-1	Header 3X2	1
SIP4	贴片针	P2, P3, P4	XH2P54P4	Header 4	3
Header 3	Header, 3-Pin	P5	1838T	Header 3	1
TFT-HDR-34		P7	TFT_PORT	TFT-HDR-34	1
Header 2	Header, 2-Pin	P8	XH2P54P2	Header 2	1
Header 5	Header, 5-Pin	P9	HDR-TH_5P-P2.54-V-M	Header 5	1
AO3402	NMOS管	Q1	SOT-23	NMOS-2	1
10K	Resistor, 电阻	R1, R4, R12, R17, R18, R19, R21, R25, R26, R32, R33, R34, R35, R36, R37, R38	R0603	Res	16
0R	Resistor	R2, R3, R45, R47	R0805	Res	4
10R	电阻, Resistor	R5, R20	R0805	Res2, Res	2
220R	电阻	R6	R0805	Res2	1
100K	电阻	R7	R0805	Res2	1
1K	Resistor	R8, R9, R11	R0603	Res	3
4K7	Resistor	R10	R0805	Res	1
49R9	Resistor	R13, R14, R15, R16	R0805	Res	4
510R	Resistor	R22, R23	R0805	Res	2
12K1	Resistor	R24	R0805	Res	1
1M	Resistor	R27	R0805	Res	1
1K5	Resistor	R29	R0603	Res	1
22R	Resistor	R30, R31	R0603	Res	2
100R	Resistor	R39, R40, R41, R42	R0805	Res	4
60R	Resistor	R43, R44	R0805	Res	2
0R/NC	Resistor	R46, R48	R0805	Res	2
SW-PB	Switch	S1, S2, S3, S4, S5, S6, S7	Switch	SW-PB	7
STM32F407VGT6		U1	LOFP-100	STM32F407VGT6	1
AMS1117-3.3	Voltage Regulator	U2	SOT223	Volt Reg	1
LAN8720	网络收发器	U3	QFN24	LAN8720	1
HR911105A		U4	HR911105A	HR911105	1
ESP-12F	ESP8266 WIFI MODULE	U5	ESP-12F	ESP-12F	1
PRTR5V0U2X		U6	SOT143	PRTR5V0U2X	1
SN74LVC573APWR		U7, U10	TSSOP20	SN74LVC573APWR	2
IS62WV51216		U8	TSOP-44N	IS62WV51216	1
TFCARD		U9	TF-CARD	TFCARD	1
AT24C64		U11	SOP-8	AT24C64	1
TJA1050		U12	SOP-8	TJA1050	1
SN74LVC1G04DBVR		U13	SOT23-5	SN74LVC1G04DBVR	1
2.42" OLED DISPLAY	2.42" OLED DISPLAY SCREEN	U14	XH2P54P10	OLED	1
1.54" OLED DISPLAY	1.54" OLED DISPLAY SCREEN	U15	XH2P54P8	OLED 1.54"	1
W25QXX		U16	WSOP8	W25QXX	1
GT30L32S4W		U17	WSOP8	GT30L32S4W	1
USB TypeC		USB1	USB TYPE C	USB-C	1
8M	Crystal Oscillator	Y1	CY5032	XTAL	1
32.768K	Crystal Oscillator	Y2	CY3215	XTAL	1
25M	Crystal Oscillator	Y3	CY5032	XTAL	1