



Title		
Size	Number	Revision
A2		
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Comment	Description	Designator	Footprint	LibRef	Quantity
Header 3X2	Header, 3-Pin, Dual row	B00T1	HDR2X3	Header 3X2	1
CR1220 holder	Battery	B11	BAT	BATTERY	1
100nF	Capacitor	C1, C2, C6, C7, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C49	0805C	Cap	16
10uF	Capacitor	C3	0805C	Cap	1
220uF	Polarized Capacitor (Radial)	C4	0805C	Cap Pol1	1
47uF	Polarized Capacitor (Radial)	C5	0805C	Cap Pol1	1
	Capacitor, Polarized Capacitor (Radial), Capacitor, Capacitor, Polarized Capacitor (Radial), Capacitor, Polarized Capacitor (Radial), Capacitor, Capacitor, Capacitor	C8, C9, C10, C22, C23, C24, C41, C50, C51, C52	0805C	Cap, Cap Pol1, Cap, Cap, Cap Pol1, Cap, Cap, Cap	10
ε	Capacitor	C25, C26	0805C	Cap	2
Cap Pol3	Polarized Capacitor (Surface Mount)	C27, C28, C32, C33, C39, C40, C47, C48	0805C	Cap Pol3	8
Cap	Capacitor	C29, C31, C35, C37	0805C	Cap	4
Cap Pol1	Polarized Capacitor (Radial)	C30	cap	Cap Pol1	1
Cap Semi	Capacitor (Semiconductor SIM Model)	C34, C36	0805C	Cap Semi	2
Cap Pol3	Polarized Capacitor (Surface Mount)	C38	cap	Cap Pol3	1
	Capacitor	C42	cap	Cap	1
20pF	Capacitor	C43, C46	0805C	CAP	2
10pF	Capacitor	C44, C45	0805C	CAP	2
D Zener	Zener Diode	D1, D2, D6, D7	SMB	D Zener	4
LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D3	0805D	LED2	1
D Schottky	Schottky Diode	D4	SMB	D Schottky	1
Diode	Default Diode	D5, D8	SMB	Diode	2
JTAG		J1	JTAG_20PIN	HEADER 10X2	1
KEY_M		key1, key2	key_2pin	KEY_M	2
BEAD	Inductor	L1, L2, L3, L4	0805R	Inductor	4
	Inductor	L5, L7	L1	Inductor	2
Inductor	Inductor	L6	L1	Inductor	1
Component_1		LCD1	LCD	Component_1	1
Green	Typical RED, GREEN, YELLOW, AMBER GaAs LED	LD1	0805D	LED2	1
Orange	Typical RED, GREEN, YELLOW, AMBER GaAs LED	LD2	0805D	LED2	1
SPI1		P1	HEADER4-PS	header4	1
SV		P2	HEADER4-PS	header4	1
IIC1	Header, 3-Pin	P3	HDR1X3	Header 3	1
3.3V		P4	HEADER4-PS	header4	1
GND		P5	HEADER4-PS	header4	1
WiFi		P6	wifi	WiFi	1
header4		P7	HEADER4-PS	header4	1
Header 3	Header, 3-Pin	P8, P13	header3-power	Header 3	2
POWER	Header, 2-Pin	P9	dianji	Header 2	1
huoer		P10, P12	huoer1	Header2	2
fangdian		P11	duanziz2-5mm	Header2	1
huoer		P14	duanziz2-5mm	Header2	1
output		P15, P21	duanziz2-5mm	Header2	2
input		P16, P20	duanziz2-5mm	Header2	2
jiance	Header, 5-Pin	P17, P18	HDR1X5	Header 5	2
jiance		P19	HEADER4-PS	header4	1
huoer		P22, P23, P24	huoer	huoer	3
AOD4184	N-Channel Power MOSFET	Q1, Q2, Q3, Q4	mos3205	NMOS-2	4
10K	Resistor	R1, R2, R3, R4, R5, R40	0805R	Res1	6
	Resistor	R6, R7, R8, R10, R11, R12, R14, R16, R17, R18, R22, R23	0805R	Res2	12
0	Resistor	R9, R13, R31, R32, R33, R34	0805R	Res1	6
600	Resistor	R15, R21	0805R	Res1	2
Res2	Resistor	R19, R20, R25, R26, R27, R28, R29, R30, R36, R37, R38, R39, R41, R42, R43, R44, R45	0805R	Res2	17
Res1	Resistor	R24	0805R	Res1	1
1M	Resistor	R35	0805R	Res1	1
RESET		S1	key_2pin	SW-PB	1
LM1117-3.3		U1	1117	VOLTREG1	1
DS2438		U2, U3	SOIC_8	huoer	2
STM32F103ZET6		U4	TQFP144-B	STM32F103ZET6	1
IR2104S		U5, U6, U9, U10	SOIC_8	IR2104S	4
LM2940-5.0	1A Low Dropout Regulator	U7	TS3B_N	LM2940T-5.0	1
LM2577 12		U8	TS5B_N	LM2577 12	1
MC306-G-06Q-32.768		X1	SM8	MC306	1
8M	Crystal Oscillator	X2	XTAL_US	XTAL	1