

Comment	Description	Designator	Footprint	LibRef	Quantity
PCB Antenna 2.4Ghz 50ohm		ANT3	2.4Ghz Antenna	Antenna 2.4Ghz	1
	Capacitor	C1, C2, C3, C4, C5, C16, C17, C18, C19, C20, C21, C22, C24, C?	CAP_0603	Cap	14
0402	Capacitor	C6, C7, C8, C9, C10, C11, C12, C13, C14, C15	CAP_0402	Cap	10
	Silicon RF Schottky Diode for Mixer Applications in the VHF/UHF Range	D1, D4, D5	SOT-23_L	Diode BAT17	3
USBLC6-2SC6	Very low capacitance ESD protection, 3.5 pF, 40 to 125 degC, 6-Pin SOT23, RoHS, Tape and Reel	D2	STM-SOT23-6L_V	CMP-2000-05378-1	1
LED	Typical RED, GREEN, YELLOW, AMBER GaAs LED	D3	LED_0603	LED2	1
BLM18PG121SN1D	Chip Ferrite Bead, 0603, 120Ω @ 100MHz, 0.05Ω, 25%, 2A	FB1	FP-BLM18-0_15-t0_8-IPC_A	CMP-0686-00557-7	1
USB B micro		J1	USB Micro B	USB micro B	1
3 pin header		J2	Header_3	Header_3	1
0402	Inductor	L3, L4, L5	IND_0402	Inductor	3
Buzzer	Magnetic Transducer Buzzer	LS?	Buzzer	Buzzer	1
Solar	Header, 2-Pin, Right Angle	P1	HDR1X2H	Header 2H	1
	Ultra Small Coaxial Connector, 6 GHz, -40 to 90 degC, 3-Pin SMD, RoHS, Bulk	P3	HRS-U.FL-R-SMT-3_V	CMP-2000-05153-1	1
Header 3X2	Header, 3-Pin, Dual row	P?	HDR2X3	Header 3X2	1
NPN	NPN Bipolar Transistor	Q?	SOT23_L	NPN	1
	Resistor, Determines charging speed => p14. Datasheet 40kohm => 200mA max, solar only has 100mA	R1, R2, R3, R6, R7, R8, R9, R?	RES_0603	Res2	9
	Resistor	R4	RES_0402	Res2	1
0402	Resistor	R5	RES_0402	Res2	1
	gekruisde schakelaar (1.4 en 2.3)	S?	TactileSwitch6x6	Tactile Switch	3
		SB3	Solder bridge	Solder bridge	1
STM32F301C8T6TR	ARM Cortex-M4 32-bit MCU, 64 KB Flash, 16 KB Internal RAM, 37 I/Os, 48-Pin LQFP, -40 to 85 degC, Tape and Reel	U2	STM-LQFP48_M	CMP-0537-00001-2	1
nRF24L01P	Single Chip Transceiver, 2.4 GHz, 60 mW, 1.9 to 3.6 V, -40 to 85 degC, 20-Pin QFN, RoHS, Tray	U3	QFN20 4x4	nRF24L01P	1
AP2202K	AP2112K-3.3TRG1 3.3V LDO 2.5V — 13.2V	VR1	SOT23-5	AP2202K-3.3TRG1	1
XC6804A3E1QR-G		VR2	SOP127P600-8N	XC6804A3E1QR-G	1
32Mhz	Crystal, 16 MHz, SMD, 3.2mm x 2.5mm, 30 ppm, 18 pF, 30 ppm, 7M	XTAL2	16Mhz_Crystal	Crystal	1
16Mhz	Crystal, 16 MHz, SMD, 3.2mm x 2.5mm, 30 ppm, 18 pF, 30 ppm, 7M	XTAL3	16Mhz_Crystal	Crystal	1