



Title		
Size A3	Number	Revision
Date: 01/07/2020	Sheet of	Drawn By:
File: C:\Users\...send.SchDoc	8	

Comment	Description	Designator	Footprint	LibRef	Quantity
27pF	Bipolar Capacitor	C1, C1X, C1XC, C2, C2X, C2XC, C4, C5	SMD_CAP_0805	Cap-Bipolar	8
100nF	Bipolar Capacitor	C1M, C1R, C2M, C3, C3M, C4M, C4R, C5M, C6, C9, C10, C(nrf1, CN1, CR	SMD_CAP_0805	Cap-Bipolar	14
10uF		C2R	cap6mm	cap_smd_electro	1
10uF		C3R, CN2	cap3mm	cap_smd_electro	2
10uF	Polar Capacitor	C7, C8, C(nrf)1	CAPP 1206 (3216X18L) Size A	Cap-Polar	3
TBJA336M010LBSZ0000	Tantalum Capacitors	C?	*CAPMP3216X166	TBJA336M010LBSZ0000	1
1981568-1	Conn Micro USB 2.0 Type B RCP 5 POS 0.65mm Solder RA SMD 5 Terminal 1 Port T/R	J?	*TE_1981568-1	micro_usb_5pin	1
Inductor	Inductor	L1	INDC3216	Inductor	1
Header 4	Header, 4-Pin	LCD	HDR1X4	Header 4	1
8MHz	XTAL Crystal	mcuxtal, mcuxtal1	Crystal SMD	XTAL	2
Component_2		MD-PS1	PCBComponent_2	Component_2	1
2.4 GHz Wireless Module based on NRF24L01 chip with preamplifier and external antenna		NRF	WIRELESS-NRD24L01-PA-EXT	WIRELESS-NRF24L01-PA-EXTSMA-THR	1
2.4 GHz		nrf1	WIRELESS-NRF24L01-SMD	WIRELESS-NRF24L01SMD	1
LM358D	General Purpose Amplifier 2 Circuit 8-SOIC	OP-AMP1	*SOIC127P600X175-8N	LM358D	1
Header 2	Header, 2-Pin	POWER1, POWER2	HDR1X2	Header 2	2
Header 5	Header, 5-Pin	PROGRAMER1, PROGRAMER2	HDR1X5	Header 5	2
10K	Resistor	R1, R2, R3, R4, R5, R8, R9, RB0, RB1, RPR	RES 0805 (2012X06L)	Resistor	10
1K	Resistor	R6, R7	RES 0805 (2012X06L)	Resistor	2
3.3v	Sot223/Pkg 1-Amp 3.3-Volt Low Drop Out Voltage Regulatator	REG1	*SOT229P700X180-4N	AMS1117-3.3	1
AMS1117-3.3	Sot223/Pkg 1-Amp 3.3-Volt Low Drop Out Voltage Regulatator	REG2	*SOT229P700X180-4N	AMS1117-3.3	1
Switch PB	Push Button Switch	reset1	SW-PB	Switch PB	1
		reset2	button_smd_monopol	button_smd	1
32.768 KHz	XTAL Crystal	rtcxtal, rtcxtal1	XTAL RTC	XTAL	2
STM32F103C8T6	STM32 ARM-based 32-bit MCU with 64 Kbytes Flash, 48-pin LQFP, Industrial Temperature	U1	LQFP48_N	STM32F103C8T6	1
STM32F103C8T6	ARM® Cortex-M3 STM32F1 Microcontroller IC 32-Bit 72MHz 64KB _64K x 8_ FLASH 48-LQFP _7x7_	U?	*QFP50P900X900X160-48N	STM32F103C8T6	1
Battery	Battery holder CR2032	v1, v2	CR2032	Battery holder	2