



Comment	Description	Designator	Footprint	LibRef	Quantity
Button 3x4x2.5		B1	Button 3x4x2.5	Button 3x4x2.5	1
100nF	Capacitor	C1, C2, C3, C9, C10, C11, C13, C14, C17, C19	CAP_0805	CapSMD	10
4.7uF	Capacitor	C4	CAP_0805	CapSMD	1
0.1uF	Capacitor	C5	CAP_0805	CapSMD	1
1uF	Capacitor	C6	CAP_0805	CapSMD	1
22pF	Capacitor	C7, C8	CAP_0805	CapSMD	2
10uF	Capacitor	C12, C15, C18	CAP_0805	CapSMD	3
Header2	Header IDC, 2 x 1 Pin Vertical 2.54mm Pitch (Non-Boxed, Male)	C16	HEAD2P-1.25	Header2	1
GREEN	LED Single colour Green and Red	D1	LED-0805-Green	LED	1
RED	LED Single colour Green and Red	D2	LED-0805-Red	LED	1
BLUE	LED Single colour Green and Red	D3	LED-0805-Blue	LED	1
BLUE	LED Single colour Green and Red	D4	LED-0805-Red	LED	1
RED	LED Single colour Green and Red	D5	LED-0805-Green	LED	1
GREEN	LED Single colour Green and Red	D6	LED-0805-Yellow	LED	1
YELLOW	LED Single colour Green and Red	D7, D10	LED-0805-Yellow	LED	2
BLUE	LED Single colour Green and Red	D8	LED-0805-Yellow	LED	1
RED	LED Single colour Green and Red	D9	LED-0805-Yellow	LED	1
JP4	Connector 4	JP1	HEADER4P-1.25	Con4	1
10K	Resistor	R1, R2, R6, R12	RES-SMD-0805	Resistor - SMD	4
1K	Resistor	R3, R5, R16	RES-SMD-0805	Resistor - SMD	3
330R	Resistor	R4, R8, R9, R10, R13, R14, R15, R17	RES-SMD-0805	Resistor - SMD	8
1.2K	Resistor	R7	RES-SMD-0805	Resistor - SMD	1
100R	Resistor	R11	RES-SMD-0805	Resistor - SMD	1
30K	Resistor	R18	RES-SMD-0805	Resistor - SMD	1
100K	Resistor	R19	RES-SMD-0805	Resistor - SMD	1
Switch 3x1	Switch 3x1	SW1	SLIDE_SW	SW3x1	1
STM32F103C8T6	Mainstream Performance line, ARM Cortex-M3 MCU with 64 Kbytes Flash, 72 MHz CPU, motor control, USB and CAN	U1	STM32F103C8T6	STM32F103C8T6	1
DWM1000	Decawave's DW1000 Ultra Wideband (UWB) transceiver IC	U2	DW1000	DWM1000	1
TP4056	Complete single cell Li-Ion battery with a constant current / constant voltage linear charger	U3	TP4056	TP4056	1
RT9013		U4, U6	RT9013	RT9013	2
DW01A	One Cell Lithium- ion/Polymer Battery Protection IC	U5	SOT23-6	DW01A	1
CH340C		U7	SO16	CH340C	1
FS8205A		U8	FS8205A	FS8205A	1
USB Micro 5p DIP	USB Type B	USB1	USB Micro 5p DIP	USB Micro 5p DIP	1
8MHz	CRYSTAL 16MHZ 18PF SMD	Y1	ABM7_v1_1_BIG	ABM7-16.000MHZ- D2Y-T	1