

Part	Value	Device	Package
R17, R25, R26, R27	100k	R-US_R0603	R0603
C1, C7, C15, C16, C17, C23, C24	100nF	C-USC0603K	C0603K
R2, R3, R18, R40, R42, R44	100R	R-US_R0603	R0603
R4, R5, R9, R10, R13	10k	R-US_R0603	R0603
C13, C19, C21, C22	10uF	C-USC0603K	C0603K
R1, R12, R14, R15, R19, R39, R41, R43	1k	R-US_R0603	R0603
C8, C12, C18	1uF	C-USC0603K	C0603K
Q1	220mA/50V/3.5	MOSFET-NCH-BSS138	SOT23-3
C10, C11	22pF	C-USC0603K	C0603K
X1	32.768kHz	CRYSTAL-SMD-ABS07	CRYSTAL-SMD-ABS07
U4	ATSAMD21G-A	ATSAMD21G-A	TQFP-48
U6	ATWINC1500_MR210PA	ATWINC1500_MR210PA	ATWINC1500_MR210PA
J2	Battery	M02-JST-2MM-SMT	JST-2-SMD
CHARGE, LED1, LED2	BLUE	LEDWURTH_156120RS82500	WURTH_WL-SMRW
SW1, SW5, SW2, SW6, SW3, SW7, SW4, SW8	SMD button	TACTILE_SWITCH	TACTILE_SWITCH_SMD
SG1	BUZZER	BUZZER	CSS-J4B20-SMT
Z2, Z3	GSOT03C	GSOT03C	SOT23
D2	MBR120	DIODE-SCHOTTKYSOD-123	SOD-123
U2	MCP73831T-2ACI/OT	MCP73831/2	SOT23-5@1
J6, J7	microsd	2908-05WB-MG	2908-05WB-MG
J1	microUSB	USB-MICRO-MOLEX-105017-0001	USB-MICRO-MOLEX-105017-0001
U5	RFM69	RFM69HCW_SMT	RFMHCW_SMT
D1	S1G	S1G	DO-214AC
SW22	SPST_TACT-KMR2	SPST_TACT-KMR2	KMR2
U3	SPX3819-3.3	VREG_SOT23-5	SOT23-5
X8	uFL	ANTENNA_U.FL	U.FL
U1	USB6B1	USB6B1	SO08
J3, J4, J5	2x3 header	CONN_03X22X3_SILK_MALE_PTH	2X3
J8, J9	1x6 header	CONN_061.27MM	1X06_1.27MM

Description
RESISTOR
CAPACITOR
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RESISTOR
CAPACITOR
N-channel MOSFETs
CAPACITOR
ABRACON ABS07 3.2x1.5mm
Atmel SAMD21G SMART ARM-Based Microcontroller
ATWINC1500_MR210PA wifi module
Standard 2-pin 0.1 header. Use with"
LED
Vishay GSOT03C
MCP73831/2 LIPO Charger
MicroSD/Transflash Card Holder with SPI pinout
Molex Micro USB 105017-0001
RFM69HCW—ISM Band RF Transceiver
S1G Diode 1A 400V
SMT 6mm switch
SOT23-5 Fixed Voltage Regulators
U.FL Antenna Connector
ST Micro USB6B1 ESD Protection for USB & RS-485
Standard 2x3 header
1x6 1.27mm header