

BOM_29062022

Line #
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Designator
C22
C23, C24
C25
FB1, FB2
J5
J6
L1
Q1
Q2
Q6
R1
R8
R14, R17
R23, R24
R26, R27, R28, R29
R36
RT1
U1
U2
U6
U10
U11
C1, C14, C34
C2, C8, C13, C15, C17, C18, C20, C21, C27, C30, C31, C32, C33, C35, C37, C39, C40, C41, C42
C3, C16, C26, C29, C36, C38
C5
C4, C6, C7, C9, C12, C43
C10, C11, C19
C28
D2, D3, D4, D5, D12, D13
D1, D6, D8, D10
D7, D9, D11
J1
J2, J3
J4
MCU1
Q3, Q4
Q5
R18, R21, R22
R3
R4, R5, R25
R9, R10, R11, R12, R13, R35, R37, R38, R39, R40
R2, R6, R33, R34
R7, R15, R16
R19
R20
R30, R31, R32
S1

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S2, S3, S4
U3
U4
U5
U7
U8
U9

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Value	Description	Quantity
100pF	Ceramic cap size 0805	1
100nF	Ceramic cap size 1206 C1206C104K1RACTU	2
22pF	Ceramic cap size 0805	1
40mR, 3A 25%	0805, 60O, 3A, 25% SMT	2
	3.5mm Jack 4-pole with normally closed switches	1
	3.5mm Jack 4-pole with normally closed switches	1
2.2uH	Shielded Power Inductor 2.2 uH 20% 2.2 A 50.4 mohms 3.11 A (sat) 60MHz 4018: 4x4x1.8mm	1
	Dual N-channel Enhancement mode power MOSFET	1
	MJD210 PNP BJT transistor DPAK (decawatt) 5A dc	1
	65 V, 100 mA PNP general-purpose transistor	1
150K	Res size 0805 SMD mounting, low power Yageo-RC0805FR-07150KL	1
1.2K	Res size 0603 SMD mounting, low power	1
1M	Res size 0805 SMD mounting, low power. Yageo-RC0805FR-071ML	2
220	Res size 0603 SMD mounting, low power	2
150	Res size 0603 SMD mounting, low power	4
22K	Res size 0603 SMD mounting, low power	1
10K	NTC THERMISTOR 10K for soldering a cable from the battery NTC	1
	1.0MHZ, 2A STEP-DOWN DC-DC BUCK CONVERTER, with latch-off prot	1
LDO 1.8V, 80mA	Fixed output lowdropout linear regulator. 1.8 V 80 mA	1
	LMV358IDGKR Dual OpAmp; low voltage rail to rail opamp; 2.7V to 5V Vs	1
	HX711 load cell amplifier	1
	TPD3S014TDBVRQ1 ESD prot. & current limit	1
47pF	Ceramic cap size 0805	3
100nF	Ceramic cap size 0805	19
10uF	Ceramic cap size 0805	6
27pF	Ceramic cap size 0805	1
22uF	Ceramic cap size 0805 CC0805MKX5R6BB226 Yageo MLCC 22uF 10V 2	6
1uF	Ceramic cap size 0805	3
470pF	Ceramic cap size 0805	1
	SURFACE MOUNT FAST SWITCHING DIODE	6
	Low power LED color Green	4
	Low power LED color Red	3
	USB-MINI-B Female, Manufacturer PN/ID: 10033526-N3212LF	1
	BNC coaxial female connector	2
	ILI9341 TFT LCD Jumper pin headers., plus SD card reader pins	1
	- Transceiver; 802.11 b/g/n _Wi-Fi, WiFi, WLAN_, Bluetooth Smart Rea	1
		2
	PMOS BSS84AK	1
4.7K	Res size 0603 SMD mounting, low power	3
33K	Res size 0805 SMD mounting, low power	1
0R	Res size 0603 SMD mounting, zero-ohm 0R Yageo RC0603JR-070RL	3
10K	Res size 0603 SMD mounting, low power	10
100R	Res size 0603 SMD mounting, low power	4
1K	Res size 0603 SMD mounting, low power	3
1.5K	Res size 0603 SMD mounting, low power	1
0.2R	Res size 1206 SMD mounting, high power, shunt, current sense.	1
100K	Res size 0603 SMD mounting, low power	3
	SWITCH Multidirection Slide Push Button SMD TS-003	1

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	Generic 2 pin button	3
	DW01A One cell Li-Po/Li-ion Battery protection IC	1
	1A Standalone Linear Li-Ion Battery Charger with Thermal Regulation in	1
	Very low capacitance ESD protection	1
	LTC4060EFE	1
	Zero-Drift, Bi-Directional CURRENT/POWER MONITOR with I2C. SOIC-8	1
	USB to serial chip CH340C, integrated oscillator.	1