Line #	Designator	Value	Description
	C22	100pF	Ceramic cap size 0805
	C23, C24	100nF	Ceramic cap size 1206 C1206C104K1RACTU
	C25	22pF	Ceramic cap size 0805
	FB1, FB2	40mR, 3A 25%	0805, 60O, 3A, 25% SMT
	J5		3.5mm Jack 4-pole with normally closed switches
	J6		3.5mm Jack 4-pole with normally closed switches
	L1	2.2uH	Shielded Power Inductor 2.2 uH 20% 2.2 A 50.4 mohms 3.11 A (sat) 60MHz 4018: 4x4x1.8mm
	Q1		Dual N-channel Enhancement mode power MOSFET
	Q2		MJD210 PNP BJT transistor DPAK (decawatt) 5A dc
	Q6		65 V, 100 mA PNP general-purpose transistor
	R1	150K	Res size 0805 SMD mounting, low power Yageo-RC0805FR-07150KL
	R8	1.2K	Res size 0603 SMD mounting, low power
	R14, R17	1M	Res size 0805 SMD mounting, low power. Yageo-RC0805FR-071ML
	R23, R24	220	Res size 0603 SMD mounting, low power
	R26, R27, R28, R29	150	Res size 0603 SMD mounting, low power
	R36	22K	Res size 0603 SMD mounting, low power
	RT1	10K	NTC THERMISTOR 10K for solding a cable from the battery NTC
	U1		1.0MHZ, 2A STEP-DOWN DC-DC BUCK CONVERTER, with latch-off protection
	U2	LDO 1.8V, 80mA	Fixed output lowdropout linear regulator. 1.8 V 80 mA
	U6		LMV358IDGKR Dual OpAmp; low voltage rail to rail opamp; 2.7V to 5V Vss; ESD protection; MSOP-8 Package

	U10		HX711 load cell amplifier
	U11		TPD3S014TDBVRQ1 ESD prot. & current limit
4	C1, C14, C34	47pF	Ceramic cap size 0805
5	C2, C8, C13, C15, C17, C18, C20, C21, C27, C30, C31, C32, C33, C35, C37, C39, C40, C41, C42	100nF	Ceramic cap size 0805
6	C3, C16, C26, C29, C36, C38	10uF	Ceramic cap size 0805
7	C5	27pF	Ceramic cap size 0805
8	C4, C6, C7, C9, C12, C43	22uF	Ceramic cap size 0805 CC0805MKX5R6BB226 Yageo MLCC 22uF 10V 20% X5R
9	C10, C11, C19	1uF	Ceramic cap size 0805
12	C28	470pF	Ceramic cap size 0805
13	D2, D3, D4, D5, D12, D13		SURFACE MOUNT FAST SWITCHING DIODE
14	D1, D6, D8, D10		Low power LED color Green
15	D7, D9, D11		Low power LED color Red
18	J1		USB-MINI-B Female, Manufacturer PN/ID: 10033526-N3212LF
19	J2, J3		BNC coaxial female connector
20	J4		ILI9341 TFT LCD Jumper pin headers., plus SD card reader pins
22	MCU1		- Transceiver; 802.11 b/g/n _Wi-Fi, WiFi, WLAN_, Bluetooth Smart Ready 4.x Dual Mode For Use With ESP-W
25	Q3, Q4		
26	Q5		PMOS BSS84AK
27	R18, R21, R22	4.7K	Res size 0603 SMD mounting, low power
29	R3	33K	Res size 0805 SMD mounting, low power
30	R4, R5, R25	0R	Res size 0603 SMD mounting, zero-ohm 0R Yageo RC0603JR-070RL
31	R9, R10, R11, R12, R13, R35, R37, R38, R39, R40	10K	Res size 0603 SMD mounting, low power
32	R2, R6, R33, R34	100R	Res size 0603 SMD mounting, low power
33	R7, R15, R16	1K	Res size 0603 SMD mounting, low power

38	R19	1.5K	Res size 0603 SMD mounting, low power
39	R20	0.2R	Res size 1206 SMD mounting, high power, shunt, current sense.
40	R30, R31, R32	100K	Res size 0603 SMD mounting, low power
42	S1		SWITCH Multidirection Slide Push Button SMD TS-003
43	S2, S3, S4		Generic 2 pin button
46	U3		DW01A One cell Li-Po/Li-ion Battery protection IC
47	U4		1A Standalone Linear Li-Ion Battery Charger with Thermal Regulation in SOP-8
48	U5		Very low capacitance ESD protection
50	U7		LTC4060EFE
51	U8		Zero-Drift, Bi-Directional CURRENT/POWER MONITOR with I2C. SOIC-8 (D) Package
52	U9		USB to serial chip CH340C, integrated oscillator.