

Item No.	Schematic Ref.	Part Name	Part Number	Manufacturer	Package	Description	Link
SINGLE WEIGHING SCALE							
1	U1	TP4056	TP4056	NanJing Top Power ASIC Corp.	SOP8	Li-ion Battery Charger IC 1A	https://www.sunrom.com/get/109600
2	U2	HX711	HX711	AVIA Semiconductor	SOP16	24-Bit ADC for Weigh Scales	https://www.sunrom.com/get/348800
3	U3	Dual N-Mosfet	FS8205A	STANSON	TSSOP-8	Dual N-Channel Mosfet	https://www.sunrom.com/get/989895
4	U4	Battery Protection IC	DW01A	Fortune Semiconductor Corporation	SOT23-6	Lithium Battery protection IC	https://www.sunrom.com/get/705994
5	U5	ESP32 - D0WDQ6 embedded	ESP - WROOM- 32	Espressif Systems	18x25 5x3.1	ESP-32 Module	ssif.com/sites/default/files/documentation/esp32-wroom-32_datasheet_en.pdf
6	U6	LDO	AP2112K-3.3TRG1	BCD Semiconductors	SOT25	IC REG LINEAR 3.3V 600MA SOT25	https://www.diodes.com/assets/Datasheets/AP2112.pdf
7	U7	Step-up Converter	BL8530-501-SM	Shanghai Belling Co. Ltd.	SOT-89-3	DC-DC Boost Step Up for Stable 5V output	https://www.sunrom.com/get/611136
8	D1	Schottky Diode	SS14	Vishay	SMA (DO-214AC) SOD126	1.0 A, 40 V, Eqv to 1N5819	https://www.sunrom.com/get/874082
9	Q1	PNP Transistor	S8550	ON Semi / Diodes Inc.	SOT23	Bipolar Transistors - BJT SOT-23 PNP	https://www.sunrom.com/get/720132
10	J1	Connector(JST PH)	1 x 4(B4B-PH-KL)	-	2mm Pitch	Load Cell Connector(https://www.sunrom.com/get/553590
11	J2	Connector(JST PH)	1 x 2(B2B-PH-KL)	-	2mm Pitch	Charger Connector	https://www.sunrom.com/get/553590
12	J3	Connector(Berg Strip)	1 x 5	-	2.54mm Pitch	Power Outlets Connector	-
13	J4	Connector(Berg Strip)	1 x 2	-	2.54mm Pitch	Standby LED Connector	-
14	J5	Connector(Berg Strip)	1 x 2	-	2.54mm Pitch	Charging LED Connector	-
15	J6	Connector(JST PH)	1 x 5(B5B-PH-KL)	-	2mm Pitch	Display_Connector	https://www.sunrom.com/get/553590
16	J7	Connector(Berg Strip)	1 x 8	-	2.54mm Pitch	GPIOs	-
17	J8	Connector(Berg Strip)	1 x 10	-	2.54mm Pitch	GPIOs	-
18	J9	Connector(Berg Strip)	1 x 6	-	2.54mm Pitch	Programming Pins	-
19	J10	Connector(JST PH)	1 x 2(B2B-PH-KL)	-	2mm Pitch	Tare Switch	https://www.sunrom.com/get/553590
20	J11	Connector(JST PH)	1 x 2(B2B-PH-KL)	-	2mm Pitch	Power Switch	https://www.sunrom.com/get/553590
21	J12	Connector(Berg Strip)	1 x 2	-	2.54mm Pitch	LED Battery Level Indicator	-
22	J13	Connector(Berg Strip)	1 x 2	-	2.54mm Pitch	LED Battery Level Indicator	-
23	J14	Connector(Berg Strip)	1 x 2	-	2.54mm Pitch	LED Battery Level Indicator	-
24	J15	Connector(JST PH)	1 x 2(B2B-PH-KL)	-	2mm Pitch	Battery Connector	https://www.sunrom.com/get/553590
25	R1	1k	-	-	603	Resistor	-
26	R2	1k	-	-	603	Resistor	-
27	R3	20k	-	-	603	Resistor	-
28	R4	8.2k	-	-	603	Resistor	-
29	R5	100R	-	-	603	Resistor	-
30	R6	100R	-	-	603	Resistor	-
31	R7	10k	-	-	603	Resistor	-
32	R8	1.2k	-	-	603	Resistor	-
33	R9	1k	-	-	603	Resistor	-
34	R10	100R	-	-	603	Resistor	-
35	R11	1k	-	-	603	Resistor	-
36	R12	1k	-	-	603	Resistor	-
37	R13	1k	-	-	603	Resistor	-
38	R14	1k	-	-	603	Resistor	-
39	R15	10k	-	-	603	Resistor	-
40	R16	20k	-	-	603	Resistor	-
41	R17	1k	-	-	603	Resistor	-
42	R18	10k	-	-	603	Resistor	-
43	R19	20K	-	-	603	Resistor	-
44	R20	1k	-	-	603	Resistor	-
45	C1	10uF	-	-	603	Capacitor	-
46	C2	0.1uF	-	-	603	Capacitor	-
47	C3	10uF	-	-	603	Capacitor	-
48	C4	0.1uF	-	-	603	Capacitor	-
49	C5	0.1uF	-	-	603	Capacitor	-
50	C6	1nF	-	-	603	Capacitor	-
51	C7	0.1uF	-	-	603	Capacitor	-
52	C8	10uF	-	-	603	Capacitor	-
53	C9	0.1uF	-	-	603	Capacitor	-
54	C10	10uF	-	-	603	Capacitor	-
55	C11	1uF	-	-	603	Capacitor	-
56	C12	1uF	-	-	603	Capacitor	-

57	C13	0.1uF	-	-	603	Capacitor	-	
58	C14	100uF	-	-	6.3x5.4mm SMD	Aluminium Capacitor	https://www.sunrom.com/get/215444	
59	L1	47uH	-	-	5mm SMD	Wirewound SMD Inductor	https://www.sunrom.com/get/797000	
60	JP1	SolderJumper_2_Bridged	-	-	-	Solder Bridge(Closed)	-	
61	JP2	SolderJumper_2_Open	-	-	-	Solder Bridge(Open)	-	