



Title		
Size	Number	Revision
A4		
Date:	26/08/2022	Sheet of
File:	C:\Users\...\Battery_Mnitor.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
100 nF	CAP CER 0.1UF 16V X7R 0402	C1, C2, C16, C17, C19	FP-CC0402-MFG	CMP-03422-000048-1	5
470 nF	CC0402 470 nF X5R 10.00% 25 V	C10, C15	FP-CC0402-MFG	CMP-03422-001152-1	2
150pF	50V 150pF C0G ±5% 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C12, C18, C20	CAPC1005X55X25LL05T10	CMP-2008-04269-1	3
Dip Switch	SPST 24V 25mA Red - 20°C~+70°C 3000 Flat dial, raised type 2.54mm 6 Plugin DIP Switches ROHS	DS1, DS2	DIP10	DS-05RP	2
5004	PC TEST POINT MINIATURE YELLOW	J1, J2, J3, J4, J5, J6, J7, J8, J9, J10	FP-5004-MFG	CMP-2000-05575-2	10
ESP32-WROOM-32	Dual core, Wi-Fi: 2.4 GHz up to 150 Mbits/s, BLE (Bluetooth Low Energy) and legacy Bluetooth, 32 bits, Up to 240 MHz	M1	ESP32-DEVKIT-V1	ESP32-DEVKIT-V1	1
NXRT15XH103FA1B030	Thermistor NTC 10kΩ ±1% 2-Pin Radial Bulk	NTC	FP-NXR_151B030-MFG	CMP-06022-001050-1	1
Header 2H	Header, 2-Pin, Right Angle	P1	HDR1X2H	Header 2H	1
0R	RES SMD 0 OHM JUMPER 1/16W 0402	R1, R19, R22, R25	FP-RC0402-0_4-IPC_A	CMP-2002-07342-2	4
2.2KOhm	Chip Resistor, 2.2 KOhm, +/- 1%, 250 mW, -55 to 155 degC, 1206 (3216 Metric), RoHS, Tape and Reel	R2, R3	RESC3116X65X40ML10T20	CMP-1014-00546-2	2
10K		R4, R5	RESC1005X40X25LL05T10	CMP-2002-07353-1	2
100R	62.5mW Thick Film Resistors 50V ±100ppm/°C ±1% - 55°C~+155°C 100Ω 0402 Chip Resistor - Surface Mount ROHS	R6, R9, R12, R15, R16	RESC1005X40X25ML05T10	CMP-2002-07344-1	5
300R	62.5mW Thick Film Resistors 50V ±100ppm/°C ±1% - 55°C~+155°C 300Ω 0402 Chip Resistor - Surface Mount ROHS	R7, R10, R13	RESC1005X40X25LL05T10	CMP-2002-07009-1	3
1MR	62.5mW 50V ±100ppm/°C ±1% - 55°C~+155°C 1MΩ 0402 Chip Resistor - Surface Mount ROHS	R8, R11, R14	RESC1005X40X25NL05T10	CMP-2002-07490-1	3
0.01Ohms	Chip Resistor, 10 mOhm, +/- 1%, 0.5 W, -65 to 170 degC, 2010 (5025 Metric), RoHS, Tape and Reel	R17	RESC5125X89X51LL25T25	CMP-2000-07418-1	1
BQ27541DRZR-G1	Pack-Side Impedance Track Battery Fuel Gauge with Integrated LDO, -40 to 85 degC, 12-pin SON (DRZ), Green (RoHS & no Sb/Br)	U1	DRZ0012A_V	CMP-0321-00448-2	1