





Comment	Description	Designator	Footprint	LibRef	Quantity
Comment			MOUNTING_HOLE		7
Comment		Battery	BATTERY		1
10uF		C1, C3, C4, C5, C9, C10	CAP_0804	CAP_10UF	6
100nF		C2, C11, C12, C13	CAP_0804	CAP_100NF	4
22uF		C6, C7, C8	CAP_0804	CAP_22UF	3
10nF		C14	CAP_0804	CAP_10NF	1
1uF		C15, C17	CAP_0804	CAP_1UF	2
4.7uF		C16	CAP_0804	CAP_4.7UF	1
BAT54C,215	Schottky Barrier Diode, 30 V, 3-Pin SOT23, RoHS, Tape and Reel	D1, D2	SOT23	DIODE_BAT54C	2
Comment		Fan	FAN_40MM		1
Comment		Heatsink	HEATSINK		1
Raspberry Pi 4	Raspberry Pi 4 with Headers_	J1	40P_HEADER	RASPBERRY_PI4	1
632723300011	USB 3.1 Type C Receptacle WR-COM, Horizontal, SMT / THT	J5	USB_C_FEMALE	USB_C_FEMALE	1
3.7V	CONN HEADER VERT 2POS 1.25MM	J6	BATTERY - DUPLICATE	BATTERY	1
Display	Tiger Claw(TM) Socket Strip, Through-hole, Vertical, -55 to 105 degC, 2 mm Pitch, 4-Pin, Female, RoHS	J7	OLED_DISPLAY	Oled Display	1
Fan	Tiger Claw(TM) Socket Strip, Through-hole, Vertical, -55 to 105 degC, 2 mm Pitch, 4-Pin, Female, RoHS	J9	FAN_CONNECTOR	FAN	1
1.5uH	FIXED IND 1.5UH 7A 4.3 MOHM SMD	L1	INDUCTOR_1.5UH	INDUCTOR_1.5UH	1
1uH 24A	FIXED IND 1UH 24A 3.5 MOHM SMD	L2	INDUCTOR_1UH	INDUCTOR_1UH	1
AO3400A	MOSFET N-CH 30V 5.7A SOT23	Q1	SOT23	MOSFET_AO3400A	1
270kOhm		R1, R8, R9	RES_0804	RES_270K	3
100kOhm		R2, R3, R7, R13, R16	RES_0804	RES_100K	5
1kOhm		R4, R12	RES_0804	RES_1K	2
NTC_10kOhm		R5	RES_0804	NTC_10K	1
783kOhm		R6	RES_0804	RES_783K	1
4.7kOhm		R10, R11	RES_0804	RES_4.7K	2
5.1kOhm		R14, R15	RES_0804	RES_5.1K	2
220kOhm		R17	RES_0804	RES_220K	1
820kOhm		R18	RES_0804	RES_820K	1
0Ohm		R19, R20, R21, R22, R23	RES_0804	RES_OR	5
Push Button	Micro Miniature Push Button Switch FSM JSM, 50 mA, -35 to 85 degC, 4-Pin SMD, RoHS, Tape and Reel	SW1, SW2, SW3	SWITCH	SWITCH	3
MCP73871T-2CCI	Stand-Alone System Load Sharing and Li-Ion/Li-Polymer Battery Charge Management Controller, 4.4V, 20-Pin QFN, Industrial Temperature, Tape and Reel	U2	MCP73871T-2CCI	MCP73871T-2CCI	1
TPS63031	3V3 BUCK BOOST TEXAS INSTRUMENTS-TPS63031DSKT - IC, DC DC CONV, 1A, 10SON, FULL REEL	U3	TPS63031	TPS63031	1
TPS61022RWUR	5V BOOST	U4	TPS61022	TPS61022	1
STM32F030F4P6	ARM Cortex-M0 32-bit MCU, 16 KB Flash, 4 KB Internal RAM, 15 I/Os, 20-pin TSSOP, -40 to 85 degC, Tube	U5	STM32F030	STM32F030	1