

Quantity	Comment	Footprint	Description	Designator
3	1k	R0805	RESISTOR, SMD	R5, R6, R9
7	1N4148	D_SOD323	DIODE, FAST SWTICHING, 0.2A, DIODE, FAST SWTICHING, SMD	D1, D3, D4, D6, D7, D8, D9
2	1N5822	D_SMA	DIODE, SCHOTTKY, 40V, 3A	D2, D5
2	3.3uH	L_7	INDUCTOR, 3.3uH, 8A (Irms), 10mOhm	LP1, LP2
10	10K	R0805	RESISTOR, SMD	R1, R2, R4, R7, R8, R10, R11, R12, R13, R14
2	10uF	C0805	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C4, C18
1	22R	R0805	RESISTOR, SMD	R3
2	22uF	C0805	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C2, C3
2	33uF	C0805	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C24, C25
15	100nF	C0805	CAP, MLCC, -F, -V, MATERIAL, -%, 0201	C1, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C17, C19, C20, C23
4	470uF	C_EL_5	CAP, THD, ELEC,	C15, C16, C21, C22
1	AMS1117	SOT223_4		U6
1	BAT3volt	BTH1220	BATTERY HOLDER, CR1220	BT1
2	BC807-40	SOT23_3	BJT, PNP, 50v, 0.15A, SMD, SOT23	Q1, Q2
1	CONN_TB2	TBB_2	CONN, TERMINAL BLOCK, 5.08mm pitch	J3
1	DS1307	SO_8	Real-Time Clock, 64 X8, I2C, 56B, Batt	U7
1	FB805	L0805	FERRITE_Bead, 0805, 2A, 50mOhm, 220@100MHz	FB1
2	HDRF4	HD RR_F_1X4	CONN, HEADER, Female, pitch: 2.54mm, 4POS	J1, J2
2	LM2596HVS	D2PAK_5		U4, U5
1	MPU9250	MPU9250		U3
1	NTC10K	NTC_15X6	Thermistor, NTC	VR1
1	PUSHBUTTON	SWPBS_SPST_6X3 X2	SWITCH, PUSH BUTTON, TACTILE, SMD, SPST, 6X3.5X2.5mm	SW1
1	STM32G431CBT6	QFG50_48	No Description Available	U1
1	W25Q64	SO_8_W	SPI FLASH Memory, 64Mb (8M x8), 104MHz	U2
1	XTL_12MHz	XTL_2_11X5	Crystal MOST POPULAR ABL HC49 PACKAGE	X1
1	XTL_32.768	XTLT_RTC	Crystal MOST POPULAR PACKAGE	X2