Reference	Qty	Value	DNP	Exclude from BOM
C1,C2	2	10uF		
C3,C5,C8	3	0.1uF		
C4	1	470pF		
C6,C7	2	100nF		
C9	1	47uF		
C10	1	10nF		
D2	1	LED		
D3	1	BAT54CW		
D4	1	BAT60A		
ESC1,ESC2,ESC3,ESC4	4	Conn_01x03_Pin		
J3,J4,J5,J6	4	Conn_01x01_Pin		
J7	1	JST_2mm_LiPo		
J8	1	USB3131-30-0230-A_REVB		
Q1	1	PMOS		
R1,R2,R3	3	10k		
R4	1	100k		
R5	1	R10k		
R6	1	R33k		
R7	1	R1k		
R8	1	1k5		
R11,R12	2	22		
SW1,SW3	2	PTH_12x12mm_h8.0mm		
U1	1	STM32F415RGTx		
U2	1	MIC5219-3.3YM5		
U3	1	LSM6DS3		
U4	1	ESP8266EX		

Exclude from Board	Footprint
	10uF_EEEFN1J100L:CAP_EEEFN1J100L
	100nF_CAPC1005X55N:CAPC1005X55N
	470pF_CL10B471KB8NNNC:CAPC1608X90N
	100nF_CAPC1005X55N:CAPC1005X55N
	47uF_CL21A476MQYNNNE:CAPC2012X145N
	10nF_CL10B103KC8NNNC:CAPC1608X90N
	SparkFun-LED:LED_1206_3216Metric_Red
	Package_TO_SOT_SMD:SOT-323_SC-70
	Diode_SMD:D_SOD-323
	SparkFun-Connector:1x03_P2.54mm
	SparkFun-Connector:1x01_6.5mm
	SparkFun-Connector:JST_1x02_P2.0mm_Horizontal_SMD
	USB3131-30-0230-A_REVB:GCT_USB3131-30-0230-A_REVB
	PMOS_DMP2066UFDE-7:MOSFET_DMP2066UFDE-7
	10K_ERJS1TJ103U:RES_ERJS1TJ103U
	100kohmsCR0201-JW-104GLF:RESC0603X26N
	10K_ERJS1TJ103U:RES_ERJS1TJ103U
	33kOhmsERJS02F3302X:RES_ERJS02F3302X
	1kOhmsERJU06J102V:RES_ERJU06J102V
	1K5OhmSG73P2BTTD1501F:RESC3216X70N
	22OhmERJXGNJ220Y:RES_ERJXGNJ220Y
	SparkFun-Switch:Push_PTH_12x12mm
	Package_QFP:LQFP-64_10x10mm_P0.5mm
	Package_TO_SOT_SMD:SOT-23-5
	Package_LGA:LGA-14_3x2.5mm_P0.5mm_LayoutBorder3x4y
	Package_DFN_QFN:QFN-32-1EP_5x5mm_P0.5mm_EP3.45x3.45mm

Datasheet
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https://assets.nexperia.com/documents/data-sheet/BAT54W_SER.pdf
https://www.infineon.com/dgdl/Infineon-BAT60ASERIES-DS-v01_01-en.pdf?fileId=db3a304313d846880
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