











Comment	Description	Designator	Footprint	LibRef	Quantity
1uF	CAP CER 1uF Y5V -20	C1, C2, C23, C24, C?	CAPC1608L	CC_1uF_0603	5
27pF	CAP CER 27pF NPO/C		CAPC1608L	CC_27pF_0603	2
100nF	CAP CER 100nF X7R -	C5, C6, C7, C8, C9, C	CAPC1608L	CC_100nF_0603	13
4.7uF	CAP CER 4.7uF X5R +	C11, C16	CAPC1608N	CC_4.7uF_0603	2
10uF	CAP CER 10uF X5R 16	C17, C25	CAPC2012L	CC_10uF_16V_0805	2
33uF	CAP CER 33uF X5R 6\	C18	CAPC2012L	CC_33uF_6V3_0805	1
10nF	CAP CER 10nF X7R +-	C21	CAPC1608L	CC_10nF_0603	1
DIODE ZENER 5.6V	DIODE ZENER 5.6V 5V	D1	DO-214AA_SCL	SMBJ5339B-TP	1
Blue	LED Blue 270mcd 060	DL1, DL2	WL-SMCW0603	DL_150060BS75000	2
10A	Fuse 10A Fast Acting	F1	RESC3216N	FS_Fuse_10A	1
JS_USB_MICRO_B	CONN USB MICRO B	H1	FCI_USB_10118194-	JS_USB_MICRO_B_SI	1
Header 5X2 Vert	IDC Header, 2,54mm	H2	IDC2.54-V10D	JA_HDR_IDC_5X2_VE	1
Battery_HEADER_3pi	n3Pin Header 2.54mm	H3	BATT_HEADER_3POS	Battery_HEADER_3pi	າ 1
2 Pin Molex KK HDR	CONN HEADER 2POS	H4	MOLEX_KK_2_HDR	JA_MOLEX_KK_2POS	1
10 Pin Molex KK Hdr	CONN HEADER 10PO	H5		JA_MOLEX_KK_10PO	1
100Mil Jumper	2.54mm Jumper Thru	J1, J2, J3	JMP2.54	TP_JUMPER	3
1A max, Idc 0.3R,	Ferrite Bead, Rdc 0.3	L1	INDC3216L	IN_Ferrite-Bead	1
IND 5.2UH 6A	FIXED IND 5.2UH 6A	L2	INDUCTOR5u2	CDRH104RNP-5R2NC	1
SSM3J328R,LF	MOSFET P-CH 20V 6A	Q1	SOT23_L	TM_SSM3J328R	1
BC817W	NPN GP Bipolar Transi	Q2	SOT323_M	TB_BC817W	1
27R	RES 27 OHM 1/10W 5	R1, R2	RESC1608L	RS_27R	2
27K	RES 27K OHM 1/10W	R3	RESC1608L	RS_27K	1
47K	RES 27K OHM 1/10W	R4	RESC1608L	RS_27K	1
1R	RES 1R OHM 1/4W 5°	R5, R11	RESC3216L	RT_1R	2
10R	RES 10 OHM 1/10W 5	R6, R7, R15	RESC1608L	RS_10R	3
100K	RES 100K OHM 1/10\	R8	RESC1608L	RS_100K	1
4K7	RES 4.7K OHM 1/10V	R9, R10, R12	RESC1608L	RS_4K7	3
10K	RES 10.0K OHM 1/10	R13, R14, R16, R17, I	RESC1608L	RS_10K	5
39K	RES 39K OHM 1/10W	R?	RESC1608L	RS_39K	1
30K	RES 30K OHM 1/10W	R??	RESC1608L	RS_30K	1
EVQPNF05M	Panasonic 6 x 3.5mm	S1, S2	EVQPNF05M	WS_EVQPNF05M	2
ATSAM4S8BA-ANR	IC MCU 32BIT 512KB	U1	LQFP64_L	SE_ATSAM4S16BA-M	. 1
CAT6219-330TDGT3	IC REG LIN 3.3V 500N	U2, U5	SOT95P280X145-5N	SV_CAT6219-330TD0	2
ADP2302ARDZ-5.0 BI	IC REG BUCK 5V 2A	U3	RD_8_1	ADP2302ARDZ-5.0-R	1
MPU-9250	9 axis IMU	U4	Quad24	MPU-9250	1
nRF24 SMD	nRF24 SMD Module	U6	NRF24	NRF24	1
Joystick 10k with Sw	JOYSTICK 10K OHM 2	VR1	Joystick_Sw	Joystick 10k with Sw	1
12MHz	CRYSTAL 12MHZ 18F	Y1	6.0X3.5-4	XT_CRYSTAL_12MHz	1