





Comment	Description	Designator	Footprint	LibRef	Quantity
27nF	CAP CER 27nF X7R +		CAPC1608L	CC_27nF_0603	2
10uF	CAP CER 10UF X5R +	C3, C9, C26	CAPC1608L	CC_10uF_0603	3
100nF	CAP CER 100nF X7R -	C4, C10, C11, C14, C	CAPC1608L	CC_100nF_0603	14
22uF	CAP CER 22uF Y5V -2	C5, C6	CAPC3216L	CC_22uF_1206	2
4.7uF	CAP CER 4.7uF X5R +	C7, C22	CAPC1608N	CC_4.7uF_0603	2
10nF	CAP CER 10nF X7R +	C8	CAPC1608L	CC_10nF_0603	1
1uF	CAP CER 1uF Y5V -20	C12, C13, C23, C24	CAPC1608L	CC_1uF_0603	4
2.2uF	CAP CER 2.2uF X5R +	C16, C28	CAPC1608L	CC_2.2uF_0603	2
SCHOTTKY 30V 4A	DIODE SCHOTTKY 30	D1	SMC	MBRS330T3G	1
Dark Green	LED Dk Green 430mc	DL1	WL-SMCW0603	DL_150060GS75000	1
Red	LED Red 250mcd 060	DL2	WL-SMCW0603	DL_150060RS75000	1
5A	Fuse 5.0A Fast Acting	F1	RESC3216N	FS_Fuse_5.0A	1
Header 5X2 Vert	IDC Header, 2,54mm	H1, H9	IDC2.54-V10D	JA_HDR_IDC_5X2_VE	2
3 Pin Molex KK Hdr	CONN HEADER 3POS	H2	MOLEX_KK_3_HDR	JA_MOLEX_KK_3POS	1
2 Pin Molex KK HDR	CONN HEADER 2POS	H3, H4, H5, H7, H8	MOLEX_KK_2_HDR	JA_MOLEX_KK_2POS	5
Battery_HEADER_3pir	3Pin Header 2.54mm	H6	BATT_HEADER_3POS	Battery_HEADER_3pir	າ 1
Ultrasonic Sensor Con	CONN HEADER 4POS	H10	MOLEX_KK_4_HDR	JA_MOLEX_KK_4POS	1
JS_USB_MICRO_B	CONN USB MICRO B F	H11	FCI_USB_10118194-0	JS_USB_MICRO_B_SN	1
IND 5.2UH 6A	FIXED IND 5.2UH 6A	L1	INDUCTOR5u2	CDRH104RNP-5R2NC	1
1A max, Idc 0.3R,	Ferrite Bead, Rdc 0.3	L2	INDC3216L	IN_Ferrite-Bead	1
SSM3J328R,LF	MOSFET P-CH 20V 6A	Q1	SOT23_L	TM_SSM3J328R	1
2K7	RES 2.7K OHM 1/10V	R1, R2	RESC1608L	RS_2K7	2
27R	RES 27 OHM 1/10W !	R3, R4, R10	RESC1608L	RS_27R	3
100K	RES 100K OHM 1/10V	R5, R6	RESC1608L	RS_100K	2
OR	RES 0.0 OHM 1/10W	R7, R8	RESC1608L	RS_0R0	2
1R	RES 1R OHM 1/4W 59	R9	RESC3216L	RT_1R	1
OR	RES OR OHM 1/8W 59		RESC3216L	RT_0R	1
47R	RES 47 OHM 1/10W !	R12	RESC1608L	RS_47R	1
EVQPNF05M	Panasonic 6 x 3.5mm	S1, S2	EVQPNF05M	WS_EVQPNF05M	2
TP_0603	Test Point 1.65X0.9X	TP9	TP_0603	TP_0603	1
nRF24 SMD	nRF24 SMD Module	U1	NRF24	NRF24	1
ATSAM4S8BA-ANR	IC MCU 32BIT 512KB	U2	LQFP64_L	SE_ATSAM4S16BA-M	1
ADP2302ARDZ-5.0 BU	IC REG BUCK 5V 2A 8	U3	RD_8_1	ADP2302ARDZ-5.0-R7	1
CAT6219-330TDGT3	IC REG LIN 3.3V 500	U4, U6	SOT95P280X145-5N	SV_CAT6219-330TDG	2
DRV8833	Dual H-Bridge Motor [U5, U7	HTSOP16	DRV8833	2
SN74LVC1T45	1.8V - 5V level conver	U8	SOT23-6_N	SN74LVC1T45	1
12MHz	Crystal Oscillator	Y1	R38	XTAL	1