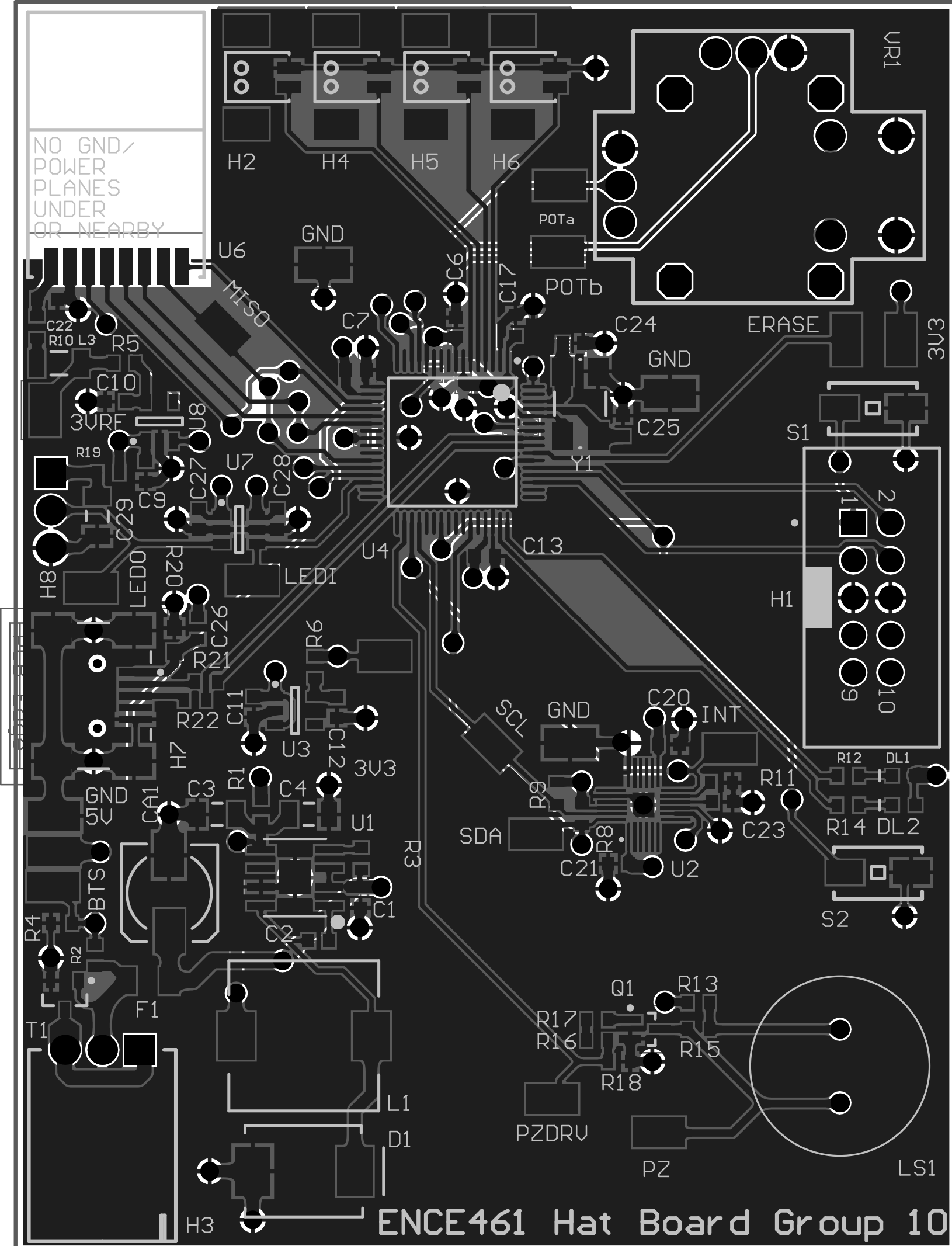
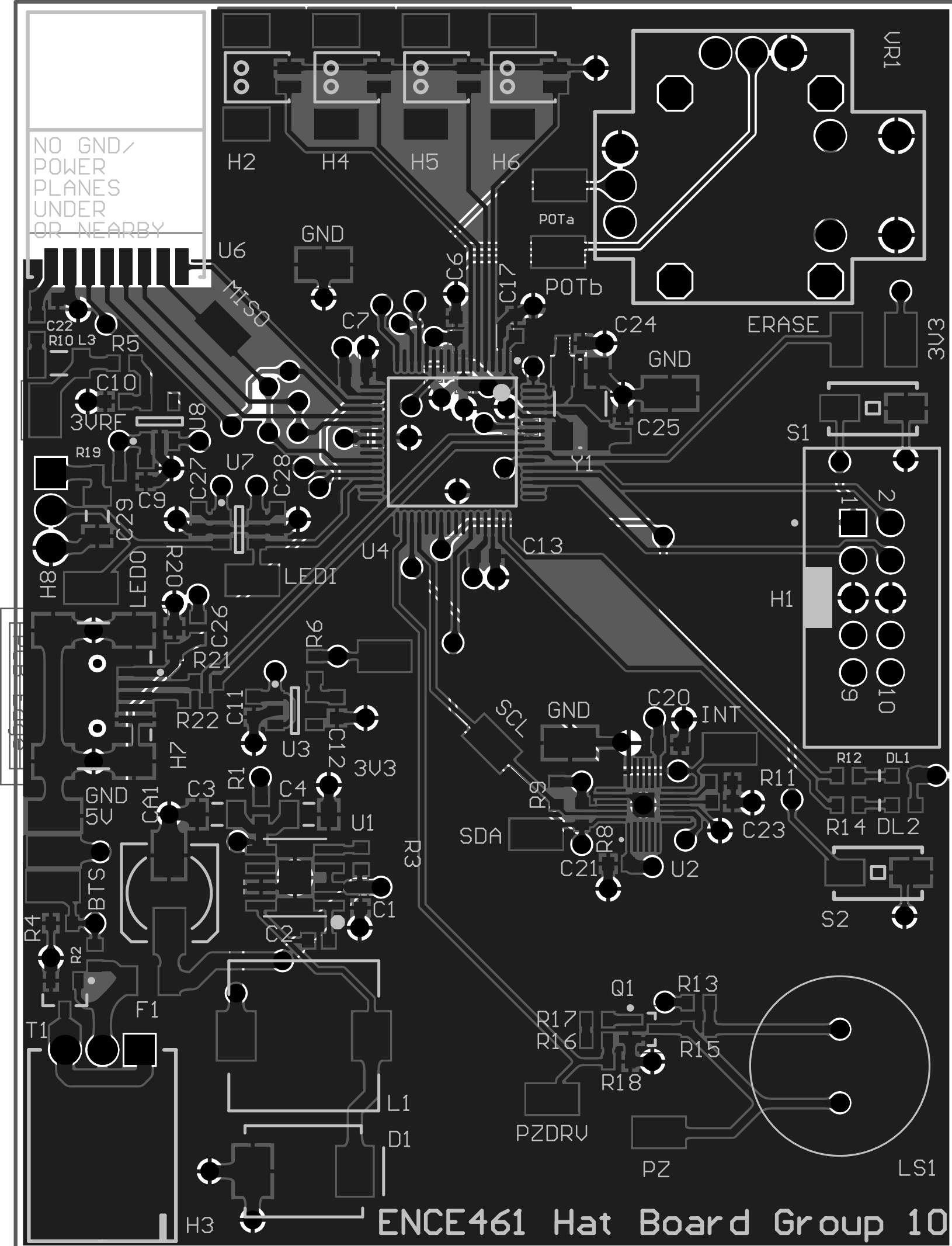




NO GND/
POWER
PLANES
UNDER
OR NEARBY



THE



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	CAP CER 100nF X7R +	C1, C2, C5, C6, C7, C	CAPC1608L	CC_100nF_0603	14
22uF	CAP CER 22uF Y5V -20	C3, C4, C29	CAPC3216L	CC_22uF_1206	3
1uF	CAP CER 1uF Y5V -20	C9, C10, C11, C12	CAPC1608L	CC_1uF_0603	4
4.7uF	CAP CER 4.7uF X5R +	C18, C26	CAPC1608N	CC_4.7uF_0603	2
10nF	CAP CER 10nF X7R +	C21, C27, C28	CAPC1608L	CC_10nF_0603	3
10uF	CAP CER 10uF X5R +	C22	CAPC1608L	CC_10uF_0603	1
27pF	CAP CER 27pF NPO/C	C24, C25	CAPC1608L	CC_27pF_0603	2
100uF/16V	CAP ALUM 100uF 16V	CA1	NICH-1	CA_100uF_16V	1
VS-30BQ015-M3/9AT	DIODE, SCHOTTKY, 3A	D1	SMC	DS_VS-30BQ015-M3	1
Bright Green	LED Bright Green 40mcd	DL1	WL-SMCW0603	DL_150060VS75000	1
Red	LED Red 250mcd 0603	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, 5	H1	IDC2.54-V10D	JA_HDR_IDC_5X2_VE	1
SMD Vert 1.25mm	Header_Vert_2Pos_1.2	H2, H4, H5, H6	SD-53398-0219	JB_53398-02	4
Battery_HEADER_3pin	3Pin Header 2.54mm S	H3	BATT_HEADER_3POS	Battery_HEADER_3pin	1
JS_USB_MINI_B	USB 2.0, Right Angle, 4	H7	USB/SM0.8-6H5	JS_USB_MINI_B-SMT	1
HEADER_3	3Pin Header 2.54mm S	H8	HEADER_3POS	HEADER_3	1
IND 5.2UH 6A	FIXED IND 5.2UH 6A 25	L1	INDUCTOR5u2	CDRH104RNP-5R2NC	1
1A max, Idc 0.3R,	Ferrite Bead, Rdc 0.3R	L2, L3	INDC3216L	IN_Ferrite-Bead	2
PS1240P02BT	Buzzers Transducer, 8	LS1	XDCR_PS1240P02BT	PS1240P02BT	1
BC817W	NPN GP Bipolar Transis	Q1	SOT323_M	TB_BC817W	1
OR	RES 0.0 OHM 1/10W 5%	R1, R5, R6, R11, R13	RESC1608L	RS_OR0	8
200K	RES 200K OHM 1/10W 5	R2	RESC1608L	RS_200K	1
100K	RES 100K OHM 1/10W 5	R3, R4	RESC1608L	RS_100K	2
1R	RES 1R OHM 1/4W 5%	R7	RESC3216L	RT_1R	1
2K2	RES 2.2K OHM 1/10W 5	R8, R9	RESC1608L	RS_2K2	2
10R	RES 10 OHM 1/10W 5%	R10, R16	RESC1608L	RS_10R	2
470R	RES 470 OHM 1/10W 5	R12	RESC1608L	RS_470R	1
680R	RES 680 OHM 1/10W 5	R14	RESC1608L	RS_680R	1
1K	RES 1.0K OHM 1/10W 5	R15, R18	RESC1608L	RS_1K	2
27R	RES 27 OHM 1/10W 5%	R21, R22	RESC1608L	RS_27R	2
EVQPNF05M	Panasonic 6 x 3.5mm	S1, S2	EVQPNF05M	WS_EVQPNF05M	2
BSH105,215	MOSFET N-CH 20V 1.0	T1	SOT23_L	TM_BSH105	1
ADP2302ARDZ-5.0 BU	IC REG BUCK 5V 2A 8S	U1	RD_8_1	ADP2302ARDZ-5.0-R7	1
MPU-9250	9 axis IMU	U2	Quad24	MPU-9250	1
CAT6219-330TDGT3	IC REG LIN 3.3V 500M	U3, U8	SOT95P280X145-5N	SV_CAT6219-330TDG	2
ATSAM4S8BA-ANR	IC MCU 32BIT 512KB F	U4	LQFP64_L	SE_ATSAM4S16BA-ML	1
nRF24 SMD	nRF24 SMD Module	U6	NRF24	NRF24	1
SN74LVC1T45	1.8V - 5V level conver	U7	SOT23-6_N	SN74LVC1T45	1
Joystick 10k with Sw	JOYSTICK 10K OHM 20	VR1	Joystick_Sw	Joystick 10k with Sw	1
12MHz	CRYSTAL 12MHZ 18PF	Y1	6.0X3.5-4	XT_CRYSTAL_12MHz	1

