

KIJIMI VOICE BOARD BILL OF MATERIALS REV 2.0.0						
VALUE	DESIGNATOR	QTY (1x)	QTY (8x)	FOOTPRINT	NOTE	MOUSER PART #
100uF	C1, C2, C3	3	24	8MM DIA /3.5 LS	ELECTROLYTHIC CAPACITOR	667-EEU-FM1H101
47uF	C67	1	8	5MM DIA / 2MM LS	ELECTROLYTHIC CAPACITOR	667-ECA-1VM470
10uF	C42, C45	2	16	5MM DIA / 2MM LS	ELECTROLYTHIC CAPACITOR	647-UPJ1H100MDD
4.7uF	C60	1	8	5MM DIA / 2MM LS	ELECTROLYTHIC CAPACITOR	667-EEU-FR1H4R7
2.2uF	C64, C65	2	16	5MM DIA / 2MM LS	ELECTROLYTHIC CAPACITOR	647-UHE1H2R2MDD
1uF	C15, C32	2	16	5MM DIA / 2MM LS	ELECTROLYTHIC CAPACITOR	647-UVP1H010MDD1TD
0.1uF	C6, C7, C8, C10, C12, C13, C16, C17, C18, C19, C20, C21, C22, C23, C27, C29, C30, C33, C34, C35, C36, C37, C38, C39, C40, C41, C43, C44, C47, C48, C50, C51, C53, C54, C55, C56, C62, C63	38	304	SMT 0805	CERAMIC CAPACITOR	810-CEU4J2X7R1H104K
10000pF	C4, C11, C24, C28	4	32	C-5MM	CERAMIC CAPACITOR	810-FG28C0G1H103JNT6
4700pF	C46, C49, C52	3	24	C-5MM	CERAMIC CAPACITOR	810-FG28C0G1H472JNT0
1000pF	C5, C9, C25, C26	4	32	C-5MM	CERAMIC CAPACITOR	810-FK28C0G1H102J
1nF	C14, C31, C57, C58, C59, C62	6	48	C-5MM	FILM CAPACITOR	80-R82EC1100Z350J
1N4148	D1, D2, D3, D4, D5, D6	6	48	DO-35	SMALL SIGNAL DIODE	512-1N4148
AS3340	IC1, IC8	2	16	DIP16	VOLTAGE CONTROLLED OSCILLATOR	https://cabintechglobal.com/as3340-dil
TL064	IC3, IC10, IC17	3	24	DIP14	QUAD OPERATIONAL AMPLIFIER	595-TL064IN
TL074	IC2, IC9	2	16	DIP14	QUAD OPERATIONAL AMPLIFIER	595-TL074CN
DG202	IC4	1	8	DIP16	SPST CMOS ANALOG SWITCH	781-DG202BDJ-E3
LM13700	IC5, IC11	2	16	DIP16	DUAL OTA	926-LM13700N/NOPB
TL062	IC6, IC7, IC14	3	24	DIP8	DUAL OPERATIONAL AMPLIFIER	595-TL062CP
CD4013	IC12	1	8	DIP14	DUAL D-TYPE FLIP-FLOP	595-CD4013BE
CEM3360	IC13, IC15, IC16	3	24	DIP14	DUAL VOLTAGE CONTROLLED AMPLIFIER	https://cabintechglobal.com/as3360-dil
SSI2140	IC18	1	8	TSSOP20	FATKEYS VOLTAGE CONTROLLED MULTI-MODE FILTER	https://www.tubesandmore.com/products/integrated-circuit-ssi2140-multi-mode-vcf-sound-semiconductor
LM311	IC19	1	8	DIP8	DIFFERENTIAL COMPARATOR	595-LM311P
200R	R182, R183, R184, R185	4	32		1/4W 1% RESISTOR	603-MFR-25FRF52-200R
220R	R44, R58, R103, R117	4	32		1/4W 1% RESISTOR	603-MFR-25FTE52-220R
470R	R4, R15, R64, R74	4	32		1/4W 1% RESISTOR	603-MFR-25FRF52-470R
820R	R29, R88	2	16		1/4W 1% RESISTOR	603-MFR-25FRF52-820R
1K	R186	1	8		1/4W 1% RESISTOR	603-MFR-25FRF52-1K
1K8	R23, R82	2	16		1/4W 1% RESISTOR	603-MFR-25FRF52-1K8
2K	R17, R76	2	16		1/4W 1% RESISTOR	603-MFR-25FRF52-2K
3K3	R11, R70	2	16		1/4W 1% RESISTOR	603-MFR-25FRF52-3K3
4K7	R177	1	8		1/4W 1% RESISTOR	603-MFR-25FRF52-4K7
5K6	R14, R73, R167	3	24		1/4W 1% RESISTOR	603-MFR-25FRF52-5K6
7K87	R21, R80	2	16		1/4W 1% RESISTOR	603-MFR-25FRF52-7K87
8K2	R159	1	8		1/4W 1% RESISTOR	603-MFR-25FRF52-8K2
10K	R1, R6, R8, R12, R16, R18, R19, R20, R22, R51, R61, R66, R68, R71, R75, R77, R78, R79, R81, R110, R120, R130, R132, R146, R147, R148, R149, R156, R157, R161, R164, R165, R168, R171, R172, R181, R188	37	296		1/4W 1% RESISTOR	271-10K-RC
13K	R139	1	8		1/4W 1% RESISTOR	603-MFR-25FBF52-13K
15K	R55, R114, R126	3	24		1/4W 1% RESISTOR	603-MFR-25FBF52-15K
16K2	R175	1	8		1/4W 1% RESISTOR	603-MFR-25FBF52-16K2
20K	R49, R52, R108, R111, R162	5	40		1/4W 1% RESISTOR	603-MFR-25FRF52-20K
21K	R129, R143, R145, R154, R155, R180	6	48		1/4W 1% RESISTOR	603-MFR-25FRF52-21K
22K	R133	1	8		1/4W 1% RESISTOR	603-MFR-25FTE52-22K
27K	R46, R105	2	16		1/4W 1% RESISTOR	603-MFR-25FRF52-27K
28K7	R13, R72	2	16		1/4W 1% RESISTOR	603-MFR-25FBF52-28K7
30K9	R9, R69	2	16		1/4W 1% RESISTOR	603-MFR-25FBF52-30K9
39K	R32, R91	2	16		1/4W 1% RESISTOR	603-MFR-25FBF52-39K
43K	R3, R63	2	16		1/4W 1% RESISTOR	603-MFR-25FBF52-43K

47K	R41, R56, R100, R115, R123, R124, R125, R127, R128, R136, R137, R138, R140, R141, R142, R144, R150, R151, R152, R153, R176, R179	22	176	1/4W 1% RESISTOR	603-MFR-25FRF52-47K
56K	R28, R48, R87, R107	4	32	1/4W 1% RESISTOR	603-MFR-25FRF52-56K
60K4	R122	1	8	1/4W 1% RESISTOR	603-MFR-25FRF52-60K4
62K	R30, R42, R89, R101	4	32	1/4W 1% RESISTOR	603-MFR-25FRF52-62K
68K	R36, R95, R190	3	24	1/4W 1% RESISTOR	603-MFR-25FRF52-68K
91K	R189	1	8	1/4W 1% RESISTOR	603-MFR-25FRF52-100K
100K	R10, R24, R27, R34, R39, R40, R43, R45, R47, R54, R83, R86, R93, R98, R99, R102, R104, R106, R113, R121, R134, R135, R163, R166, R169, R173	26	208	1/4W 1% RESISTOR	603-MFR-25FBF52-100K
121K	R170	1	8	1/4W 1% RESISTOR	603-MFR-25FBF52-121K
133K	R160	1	8	1/4W 1% RESISTOR	603-MFR-25FBF52-133K
150K	R31, R90	2	16	1/4W 1% RESISTOR	603-MFR-25FBF52-150K
180K	R53, R112	2	16	1/4W 1% RESISTOR	603-MFR-25FBF52-180K
200K	R37, R96	2	16	1/4W 1% RESISTOR	603-MFR-25FBF52-200K
220K	R25, R59, R84, R118	4	32	1/4W 1% RESISTOR	603-MFR-25FBF52-220K
249K	R35, R94	2	16	1/4W 1% RESISTOR	603-MFR-25FBF52-249K
267K	R158	1	8	1/4W 1% RESISTOR	603-MFR-25FBF52-267K
270K	R26, R33, R85, R92	4	32	1/4W 1% RESISTOR	603-MFR-25FRF52-270K
442K	R5, R65	2	16	1/4W 1% RESISTOR	603-MFR-25FRF52-442K
576K	R38, R97	2	16	1/4W 1% RESISTOR	603-MFR-25FRF52-576K
680K	R57, R116	2	16	1/4W 1% RESISTOR	603-MFR-25FRF52-680K
1M	R2, R50, R60, R62, R109, R119	6	48	1/4W 1% RESISTOR	603-MFR-25FRF52-1M
1M5	R7, R67	2	16	1/4W 1% RESISTOR	603-MFR-25FRF52-1M5

MAIN BOARD

VALUE	DESIGNATOR	QUANTITY	FOOTPRINT	NOTE	MOUSER PART #
150K	R144	1		1/4W 1% RESISTOR	603-MFR-25FBF52-150K

UPDATES LOG