

GK + MIDI MODULE					
Item	Description	Part Number	Packaging	Location	Qty.
1	100kΩ	RT0805FRE07100KL	R0402	R1-R6	6
2	5.1kΩ	ERJ-2RHD5101X	R0402	R7-R18 R24-R26 R38-R40	12
3	10kΩ	RC0402FR-0710KL	R0402	R19, R27-R29, R35-R37	7
4	18kΩ	ERJ-6GEYJ183V	R0402	R20	1
5	470kΩ	CRCW0402470KFKEDC	R0402	R21	1
6	220Ω	RG1005P-221-B-T5	R0402	R30, R31	2
7	1kΩ	CRCW04021K00FKEDHP	R0402	R32 - R34	3
8	100Ω	AC0402FR-13100RL	R0402	R22 - R23	2
9	47kΩ	CRCW040247K0JNEDC	R0402	R41	1
10	100uF	667-EEE-TC1C101XP	16V, Electrolytic, SMD	C1, C2	2
11	0.1uF	EMK063BJ104MP-F	C0603	C3 - C8, C10, C12, C19 - C21, C23, C24 - C26 C28, C29, C34	18
12	0.1uF	GCM155L8EH104KE07D	C0402	C17, C18	2
13	10uF	GRM21BR61C106KE15L	C0805	C9, C11, C22, C32	4
14	0.47uF	UMK107B7474KA-TR	C0603	C13	1
15	0.01uF	EMF105B7103MVHF	C0402	C14	1
16	4.7uF	GRM188R61C475KAAJD	C0603	C15, C16	2
17	1uF	CC0805ZRY5V7BB105	C0402	C27, C30	2
18	33uF	C2012X5R1A336M125AC	C0805	C31	1
19	2.2uF	GRM188C81E225KE1D	C0805	C34	1
20	1nF	0603YC102MAT4A	C0402	C35	1
21	12pF	VJ0603A120FXJPW1BC	C0603	C36, C37	2
22	Ferrite Bead	BLM18KG700TN1D	R0603	FB1, FB2	2
23	Switching Diode	1SS302	SOT-323-3	D1, D2	2
24	Dual Opamp	TLV2170IDGKR	SSOP-8	U1, U3	2
25	Quad Opamp	TLV4170IPWR	SSOP-14	U2	1
26	5V Voltage Regulator	CJ75L05	SOT-89	U4	1
27	3.3V Voltage Regulator	MIC5205-3.3YM5-TR	SOT23-5	U5	1
28	16-bit Microcontroller	MSP430G2553IRHB32R	QFN-32	U6	1
29	16Mhz Crystal Oscillator	FOXSLF/160-20	HC-49/US	X1	1
30	1x4 Male Header	22-28-4043	2.54 mm	H8	1
31	1x3 Male Header	M22-2010346	2 mm	JP1, JP2, JP3	3
32	1x14 Male Header	M20-9991445	2.54 mm	H6, H7	2
33	1x8 Male Header	22-28-4085	2.54 mm	H1, H2, H3	3
34	13-pin Connector	-	PCB Mount	13P-CN1	1
35	MIDI jack	-	PCB Mount	MIDI1	1