

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	18
3	10kΩ	RC0402FR-0710KL	R0402	R19, R27-R29, R35-R37	7
4	18kΩ	RT0402DRE0718KL	R0402	R20	1
5	470kΩ	CRCW0402470KFEDC	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	VZS101M1ETR-0606	6.3x5.7	C1, C2	2
11	0.1uF, 25V	CC0603KRX7R8BB104	C0603	C3 - C8, C10, C12, C17, C18 C19 - C21, C23, C24 - C26 C28, C29, C34	20
13	10uF, 25V	TMK212BBJ106KG-T	C0805	C9, C11, C22, C32	4
14	0.47uF	UMK107B7474KA-TR	C0603	C13	1
15	0.01uF	EMF105B7103MVHF	C0402	C14	1
16	4.7uF	TMK107BBJ475MA-T	C0603	C15, C16	2
17	1uF, 25V	GRM155R61E105MA12D	C0402	C27, C30	2
18	33uF	C2012X5R0J336MT000E	C0805	C31	1
19	2.2uF	LMK212BJ225KG-T	C0805	C33	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	1SS302A,LF	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	General Purpose NPN Transistor	MMBT2222ALT1G	SOT 23 -3	T1, T2	2
30	16Mhz Crystal Oscillator	FOXSLF/160-20	HC-49/US	X1	1
31	1x4 Male Header	22-28-4043	2.54 mm	H16	1
32	1x3 Male Header	M22-2010346	2 mm	JP1, JP2	2
34	1x8 Male Header	22-28-4085	2.54 mm	H9, H10, H11	3
35	13-pin Connector	-	PCB Mount	13P-CN1	1
36	MIDI jack	-	PCB Mount	MIDI1	1