

**GMSN! Pure Sequencer BoM**

Qty	RefDes	Description	Value	Manufacturer	Manufacturer P/N	RS P/N	Mouser P/N	Package	Other Vendor	Other P/N	Cost	Total Cost
2	D1, D2	Diode	STTH102A	Generic		485-8465	511-STTH102A	SMADIODE			£0.18	£0.36
8	D3, D4, D5, D6, D7, D8, D9, D10	Diode	1N914	Generic		805-1021	512-1N914BWS	SOD-323			£0.03	£0.21
32	R6, R9, R11, R12, R16, R17, R19, R21, R22, R24, R26, R27, R29, R31, R32, R34, R36, R37, R39, R41, R42, R44, R46, R47, R49, R51, R52, R54, R55, R58, R59, R61	Resistor, 1%	100K	Generic				R0805			£0.01	£0.16
2	R5, R8	Resistor, 1%	10K	Generic		223-0691	603-RC0805FR-07100KL					
11	R13, R14, R18, R23, R28, R33, R38, R43, R48, R53, R57	Resistor, 1%	1K	Generic		901-3692	603-RC0805FR-0710KL	R0805			£0.01	£0.03
2	R7, R10	Resistor, 1%	1M	Generic		223-0427	603-RC0805FR-071KL	R0805			£0.01	£0.11
1	R60	Resistor, 1%	200K	Generic		901-3709	603-RC0805FR-131ML	R0805			£0.01	£0.03
2	R1, R4	Resistor, 1%	0R	Generic		679-1064	603-RC0805FR-07200KL	R0805			£0.01	£0.01
9	R15, R20, R25, R30, R35, R40, R45, R50, R56	Resistor, 1%	330R	Generic		679-1068	603-RC0805FR-070RL	R0805			£0.01	£0.01
1	R2	Resistor, 1%	34K	Generic		740-9022	603-RC0805FR-07330RL	R0805			£0.02	£0.16
1	R3	Resistor, 1%	56K	Generic		840-5236	603-RC0805FR-0734KL	R0805			£0.11	£0.11
10	C27, C28, C29, C30, C31, C32, C33, C34, C35, C36	Multilayer Ceramic Capacitor	0.1u	Generic		679-1550	603-RC0805FR-0756KL	R0805			£0.01	£0.01
8	C10, C12, C14, C16, C18, C20, C22, C24	Multilayer Ceramic Capacitor	100p	Generic		669-8877	80-C0805C104M5R	C0805K			£0.01	£0.07
1	C3	Multilayer Ceramic Capacitor	1u	Generic		461-3997	80-C0805C101J5G	C0805K			£0.01	£0.05
2	C1, C2	Multilayer Ceramic Capacitor	22p	Generic		790-0689	80-C0805C105K5R	C0805K			£0.01	£0.01
2	C6, C7	Multilayer Ceramic Capacitor	47p	Generic		464-6587	80-C0805C220J1G	C0805K			£0.02	£0.03
3	C4, C5, C26	Electrolytic Capacitor	10u	Generic		264-4270	80-C0805C470J5G	C0805K			£0.01	£0.02
2	T1, T2	Transistor	2N3904	Generic		737-9704	80-EDK106M050A9GAA	153CLV-0505			£0.03	£0.08
1	U4	Multiplexer	CD4051	Texas Instruments	CD4051BM96G3	793-0753	821-MMBT3904	TRANSISTOR_SINGLE_N-TYPE			£0.02	£0.04
1	U5	Voltage Reg		7805 Generic		528-393	595-CD4051BM96G3	N2222_ARRAY			£0.22	£0.22
1	Q1	CRYSTAL	20MHz	Generic		263-9739A	755-BA178M05FP-E2	V-REG			£0.19	£0.19
1	U1	32-Pin Atmega328	ATMEGA328P	Generic	ATMEGA328P-AU	814-9541	449-LFXTAL003181REEL	HC49UP			£0.16	£0.16
3	U2, U3, U6	TL074	QUAD_OPAMP	Texas Instruments	TL074IDR	696-3092	556-ATMEGA328P-AU	TQFP32-08			£2.27	£2.27
1	JP1	2x5 Shrouded Header	M05X2SHD	Generic		661-0076	595-TL074IDR	QUAD_OPAMP			£0.11	£0.34
1	ISP1	2x3 Header		Generic			710-61201021621	2X5-SHROUDED	Rapid	19-0035	0.17	£0.17
1	Panel	Panel		GMSN!	m-p-seq-v2-panel		571-4-146262-1		TME	ZL202-6G	0.05	£0.05
2	GLIDE, GLIDE1	Alpha Vertical Potentiometer	B100K	Alpha				Q-POT			5	£5.00
12	CLK_IN, CLOCK_OUT, CV_OUT, GATE1, GATE2, GATE3, GATE4, GATE5, GATE6, GATE7, GATE8, RESET	3.5mm Jack Mono	Thonkiconn - PJ301M-12	Thonk	PJ301M-12			S_JACK	Thonk		1.42	£2.84
1	US7	Push Button LED Switch	PB6149L-5	HIGHLY	PB6149L-5			PB6149L	TME	PB6149L-5	1.46	£1.46
1	DIRSW	Toggle Switch	ON_OFF_ON	Generic			691-2M1-SP3-T1B1M2QE	TOGGLE_ON_OFF_ON	TME	1MS3T1B1M1QE	0.94	£0.94
1	RANGE	Toggle Switch	ON_ON	Generic			691-2M1-SP1-T1B1M2QE	ON_ON	TME	1MS1T1B1M1QE	0.84	£0.84
1	TR1	25 Turn Trimpot ***	100K	Generic		521-9653	652-3296W-1-104LF	TRIMMER_TH3			£1.65	£1.65
8	FADER1, FADER2, FADER3, FADER4, FADER5, FADER6, FADER7, FADER8	Slide Pots with Red LE	B50K	Alpha	RA2045F-20R-15LC-B50K-C		312-2045F-R50K	LED_FADER			2.54	£20.32
2	GLIDE, GLIDE1	Davis 1900h Clone	Black	Davis					Thonk		0.7	£1.40
1		Power Cable	10Pin - 16Pin	Generic	acc-cable-pwr-10-16						0.5	0.5
4		Machine Screw	M3 6mm	Generic	acc-screw-m3-6mm						0.02	0.08
											Total	£34.71

\*\*\* The trimmer is a through hole component, however the PCB might have pads for an SMD part. Just bend and snip the legs over.