

**GMSN! Pure Noise 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
2	R9, R13	Resistor, 1%	100K	Generic		223-0691	603-RC0805FR-07100KL	R0805			£0.01	£0.01
1	R3	Resistor, 1%	10K	Generic		901-3692	603-RC0805FR-0710KL	R0805			£0.01	£0.01
4	R1, R2, R14, R15	Resistor, 1%	1K	Generic		223-0427	603-RC0805FR-071KL	R0805			£0.01	£0.04
1	R5	Resistor, 1%	200K	Generic		679-1064	603-RC0805FR-07200KL	R0805			£0.01	£0.01
2	R4, R8	Resistor, 1%	22K	Generic		223-0607	603-RC0805FR-0722KL	R0805			£0.00	£0.01
1	R7	Resistor, 1%	2M	Generic		679-1235	603-RC0805FR-072ML	R0805			£0.03	£0.03
1	R11	Resistor, 1%	39K	Generic		810-1827	603-RC0805FR-0739KL	R0805			£0.02	£0.02
2	R6, R10	Resistor, 1%	56K	Generic		679-1550	603-RC0805FR-0756KL	R0805			£0.01	£0.02
1	R12	Resistor, 1%	5K6	Generic		679-1572	603-RC0805FR-075K6L	R0805			£0.01	£0.01
1	C5	Multilayer Ceramic Capacitor	0.01u	Generic		915-9246	80-C0805C103K5G	C0805K			£0.08	£0.08
6	C10, C11, C12, C13, C14, C15	Multilayer Ceramic Capacitor	0.1u	Generic		669-8877	80-C0805C104M5R	C0805K			£0.01	£0.04
1	C9	Multilayer Ceramic Capacitor	0.22uF	Generic		741-4627	80-C0805C224K5R	C0805K			£0.02	£0.02
2	C6, C7	Multilayer Ceramic Capacitor	1000p	Generic		802-9958	80-C0805C102J5G	C0805K			£0.01	£0.02
1	C3	Multilayer Ceramic Capacitor	10u	Generic		698-3548	GRM21BR61E106MA73L	C1206K			£0.01	£0.01
2	C4, C8	Multilayer Ceramic Capacitor	1u	Generic		790-0689	80-C0805C105K5R	C0805K			£0.01	£0.02
2	C1, C2	Electrolytic Capacitor	10u	Generic		737-9704	80-EDK106M050A9GAA	153CLV-0505			£0.03	£0.05
1	U\$9	Transistor Pair	DMMT3904W-7-F	Diodes Inc	DMMT3904W-7-F	751-4127	621-DMMT3904W-F	SOT-363			£0.18	£0.18
1	U\$1	TL072	DUAL_OPAMP	Texas Instruments	TL072ACDR	661-0054	595-TL072ACDR	DUAL_OPAMP			£0.47	£0.47
1	U\$6	TL074	QUAD_OPAMP	Texas Instruments	TL074IDR	661-0076	595-TL074IDR	QUAD_OPAMP			£0.11	£0.11
1	JP1	2x5 Shrouded Header	M05X2SHD	Generic			710-61201021621	2X5-SHROUDED	Rapid	19-0035	0.17	£0.17
1	Panel	Panel		GMSN!	m-p-noise-v2-panel						2	£2.00
4	BLUE, PINK, RED, WHITE	3.5mm Jack Mono	Thonkiconn - PJ301M-12	Thonk	PJ301M-12			S_JACK	Thonk		0.39	£1.56
1	TR1	25 Turn Trimpot ***	100K	Generic		521-9653	652-3296W-1-104LF	TRIM_3269W			£1.65	£1.65
1		Power Cable	10Pin - 16Pin	Generic	acc-cable-pwr-10-16						0.5	£0.50
2		Machine Screw	M3 6mm	Generic	acc-screw-m3-6mm						0.02	£0.04
Total												£6.73

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