

GMSN! Pure ADSR BoM 20171231

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
3	R6, R11, R12	Resistor, 1%	100K	Generic		223-0691	603-RC0805FR-07100KL	R0805			£0.01	£0.02
2	R5, R9	Resistor, 1%	10K	Generic		901-3692	603-RC0805FR-0710KL	R0805			£0.01	£0.03
2	R8, R10	Resistor, 1%	1K	Generic		223-0427	603-RC0805FR-071KL	R0805			£0.01	£0.02
1	R7	Resistor, 1%	1M	Generic		901-3709	603-RC0805FR-131ML	R0805			£0.01	£0.01
1	R2	Resistor, 1%	30K	Generic		679-1263	603-RC0805FR-0730KL	R0805			£0.01	£0.01
1	R4	Resistor, 1%	330R	Generic		740-9022	603-RC0805FR-07330RL	R0805			£0.02	£0.02
2	R1, R3	Resistor, 1%	56k	Generic		679-1434	603-RC0805FR-0756kL	R0805			£0.01	£0.01
5	C8, C9, C10, C11, C12	Multilayer Ceramic Capacitor	0.1u	Generic		669-8877	80-C0805C104M5R	C0805K			£0.01	£0.04
2	C1, C2	Multilayer Ceramic Capacitor	22p	Generic		464-6587	80-C0805C220J1G	C0805K			£0.02	£0.03
1	C6	Multilayer Ceramic Capacitor	47p	Generic		264-4270	80-C0805C470J5G	C0805K			£0.01	£0.01
1	C3	Multilayer Ceramic Capacitor	0.01uF	Generic		915-9246	80-C0805C103K5G	C0805K			£0.01	£0.01
3	C4, C5, C7	Electrolytic Capacitor	10u	Generic		737-9704	80-EDK106M050A9GAA	153CLV-0505			£0.03	£0.08
1	T1	Transistor	2N3904	Generic		793-0753	821-MMBT3904	TRANSISTOR_SINGLE_N-TYPE			£0.02	£0.02
1	U3	Voltage Regulator		7805 Generic		263-9739A	755-BA178M05FP-E2	V-REG			£0.19	£0.19
1	Q1	CRYSTAL	20MHz	Generic		814-9541	449-LFXTAL003181REEL	HC49UP			£0.16	£0.16
1	U1	32-Pin Atmega328	ATMEGA328P	ATMEL	ATMEGA328P-AU	696-3092	556-ATMEGA328P-AU	TQFP32-08			£2.27	£2.27
1	U2	TL072	DUAL_OPAMP	Texas Instruments	TL072ACDR	661-0054	595-TL072ACDR	DUAL_OPAMP			£0.47	£0.47
1	U4	DAC	MCP4921	Microchip	MCP4921-E/SN	876-7199	579-MCP4921-E/SN	SOIC8			£0.98	£0.98
1	ISP1	2x3 Header		Generic			571-4-146262-1		TME	ZL202-6G	0.05	£0.05
1	POWER	2x5 Shrouded Header		Generic			710-61201021621		Rapid	19-0035	0.17	£0.17
1	Panel	Panel		GMSN!	m-p-adsr-v2-panel						2	£2.00
4	POT_A, POT_D, POT_R, POT_S	Alpha Vertical Potentiometer	B100K	Alpha					Thonk		1.42	£5.68
2	OUTPUT, TRIGATEIN	3.5mm Jack Mono	Thonkiconn - PJ301M-12	Thonk	PJ301M-12			S_JACK	Thonk		0.39	£0.78
1	BUT	Push Button LED Switch	PB6149L-5	HIGHLY	PB6149L-5			PB6149L	TME	PB6149L-5	1.46	£1.46
1	MODESW	Toggle Switch	ON_OFF_ON	Generic			691-2M1-SP3-T1B1M2QE	TOGGLE_ON_OFF_ON	TME	1MS3T1B1M1QE	0.94	£0.94
4	POT_A, POT_D, POT_R, POT_S	Davis 1900h Clone	Black	Davis					Thonk		0.7	£2.80
1		Power Cable	10Pin - 16Pin	Generic	acc-cable-pwr-10-16						0.5	£0.50
4		Machine Screw	M3 6mm	Generic	acc-screw-m3-6mm						0.02	£0.08
										Total		£14.46