

GMSN Pure VCF BoM

Qty	RefDes	Description	Value	Manufacturer	Manufacturer P/N	RS P/N	Mouser P/N	Qty	Package	Other Vendor	Other P/N	Cost	Total Cost
2	D1, D2	Diode	STTH102A	Generic		485-8465	511-STTH102A	2	SMADIODE			0.142	0.284
21	R1, R3, R4, R8, R10, R13, R15, R18, R24, R25, R26, R30, R31, R34, R37, R38, R39, R40, R41, R43, R44	Resistor, 1%	100K	Generic				21	R0805			0.105	2.205
5	R14, R19, R23, R32, R35	Resistor, 1%	10K	Generic		223-0691	603-RC0805FR-07100KL						
8	R9, R12, R16, R17, R27, R29, R33, R36	Resistor, 1%	220R	Generic		901-3692	603-RC0805FR-0710KL	5	R0805			0.07	0.35
1	R7	Resistor, 1%	2K2	Generic		223-0332	603-RC0805FR-07220RL	8	R0805			0.144	1.152
1	R6	Resistor, 1%	2M	Generic		901-3695	603-RC0805FR-072K2L	1	R0805			0.014	0.014
4	R11, R20, R28, R42	Resistor, 1%	33K	Generic		679-1235	603-RC0805FR-072ML	1	R0805			0.035	0.035
1	R2	Resistor, 1%	390R	Generic		679-1288	603-RC0805FR-0733KL	4	R0805			0.064	0.256
1	R21	Resistor, 1%	75K	Generic		679-1320	603-RC0805FR-07390RL	1	R0805			0.017	0.017
8	C9, C10, C11, C12, C14, C15, C16, C17	Multilayer Ceramic Capacitor	0.1u	Generic		810-1899	603-RC0805FR-0775KL	1	R0805			0.039	0.039
1	C3	Multilayer Ceramic Capacitor	22pF	Generic		669-8877	80-C0805C104M5R	8	C0805K			0.056	0.448
4	C1, C2, C8, C13	Electrolytic Capacitor	10u	Generic		464-6587	80-C0805C220J1G	1	C0805K			0.06	0.06
1	R0	2k 3300ppm Tempco	2K	Akaneohm	LT16S202F33	737-9704	80-EDK106M050A9GAA	4	153CLV-0505			0.0128	0.0512
1	T1	Transistor Pair	DMMT3906W-7-F	Diodes Inc	DMMT3906W-7-F			1	RESISTOR_TC	Thonk		1.05	1.05
2	U\$3, U\$4	OTA	LM13700	Texas Instruments	LM13700M/NOPB	751-4121	621-DMMT3906W-F	1	TRANS_PAIR			0.256	0.256
2	IC4, IC5	TL074	QUAD_OPAMP	Texas Instruments	TL074IDR	535-8720	926-LM13700MX/NOPB	2	SOIC-16_BLANK			1.9	3.8
1	JP1	2x5 Shrouded Header	M05X2SHD	Generic		661-0076	595-TL074IDR	2	QUAD_OPAMP			0.264	0.528
4	C4, C5, C6, C7	Film Capacitor	220p	Generic	PFR5221J100J11L4BUL	240-4713	80-PFR5221J100J11L4	1	2X5-SHROUDED	Rapid	19-0035	0.17	0.17
1	Panel	Panel		GMSN!	m-p-vcf-v2-panel			4				1.74	6.96
5	COF, CV_AT, IN1POT, IN1POT1, Q	Alpha Vertical Potentiometer	B100K	Alpha				1				5	5
5	2POLE, 4POLE, COF_CV, IN1, IN2	3.5mm Jack Mono	Thonkiconn - PJ301M-12	Thonk	PJ301M-12			5	Q-POT	Thonk		1.42	7.1
2	TR1, TR2	25 Turn Trimpot ***	100K	Generic				5	S_JACK	Thonk		0.39	1.95
5	COF, CV_AT, IN1POT, IN1POT1, Q	Davis 1900h Clone	Black	Davis		521-9653	652-3296W-1-104LF	1	TRIMMER_TH3			£1.65	1.65
1		Power Cable	10Pin - 16Pin	Generic	acc-cable-pwr-10-16			5		Thonk		0.7	3.5
4		Machine Screw	M3 6mm	Generic	acc-screw-m3-6mm			1				0.5	0.5
								4				0.02	0.08
										Total			£26.91

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