

BANSHEE (V1) - VCF - BOM

KRYPT MODULAR

TO USE THE LINKS PROVIDED IN "SOURCE" SECTION, GO TO:

kryptmodular.com/pages/documentation

ALL COMPONENTS ARE THROUGH-HOLE

ALL RESISTORS ARE 1/4W

Name/Value	Designator	Quantity	Source
1k Ω	R7, R8, R19	3	Tayda
3k Ω	R3	1	^^^
4.7k Ω	R15, R32	2	^^^
10k Ω	R20, R22, R26, R27, R28, R29	6	^^^
39k Ω	R11	1	^^^
47k Ω	R6, R9, R10	3	^^^
56k Ω	R14, R16, R17, R18	4	^^^
100k Ω	R1, R2, R12, R13, R23, R24, R31	7	^^^
110k Ω	R4, R5	2	^^^
2n3904	Q1	1	Tayda
NOT USED	D1, D2, D3, D4, D5, D6, D7, D8	8	
1N5817	D9, D10	2	Tayda
50k trim pot **CALIBRATION DETAILS BELOW	TRM	1	Tayda
2x5 Box Header	U5 (Power Header)	1	Tayda
DIP8 SOCKET	FOR SOCKETING U2, U3, U4	3	Tayda

DIP14 SOCKET	FOR SOCKETING U1	1	Tayda
TL074	U1	1	Tayda
TL072	U4	1	Tayda
UA776	U2, U3	2	Aliexpress (Cheapest I've found working) Also on eBay but quite a bit pricier.
10uF electrolytic	C1, C13	2	Tayda
10uF NP (non-polar)	C2, C3	2	Tayda
47uF electrolytic	C11, C12	2	Tayda
0.1uF, ceramic	C4, C5, C6, C7, C8, C9, C10, C14, C15, C16, C17	11	Tayda
5mm white LED	LED1	1	Tayda
PJ398SM 'THONKICONN' 3.5MM JACK SOCKET	AUDIO_IN, CV1_IN, CV2_IN, OUTPUT	4	Thonk OR Tayda
B100k potentiometer	CUTOFF, CV1_LVL, CV2_LVL, LVL, RES	5	Tayda
1P2T Slide Switch - 10mm actuator length	SW1	1	Tayda

****CALIBRATION:**

The calibration process is simple and can be done by ear (though feel free to use the fancy equipment if you have it). Plug an oscillator into the filter, and adjust the trim pot on the back until the sweep on the main cutoff pot feels well-centered. The frequency sweep should sit nicely between 9 o'clock and 3 o'clock while rotating it.