

DUAL SVF

DUAL VCF BOM									
Ref	Description	Package	Value	Qty	Mouser	Farnell	Reichelt	Digikey	4UCON
Filter board									
R3	Metal film resistor 1%		220	1	660-MF1/4DCT52R2200F	9341528	METALL 220	221XBK-ND	
R22, R23, R33, R34, R38, R39, R48, R4	Metal film resistor 1%		470	8	660-MF1/4DCT52R4700F	9341943	METALL 470	475XBK-ND	
R51, R52	Metal film resistor 1%		1.0k	2	660-MF1/4DCT52R1001F	9341102	METALL 1.00K	1.00KXBK-ND	
R10, R11, R17	Metal film resistor 1%		10k	3	660-MF1/4DCT52R1002F	9341110	METALL 10,0K	10.0KXBK-ND	
R28, R44	Metal film resistor 1%		15k	2	660-MF1/4DCT52R1502F	9341331	METALL 15,0K	15.0KXBK-ND	
R8, R15, R16, R18, R19, R21	Metal film resistor 1%		22k	6	660-MF1/4DCT52R2202F	9341544	METALL 22,0K	22.1KXBK-ND	
R12, R13, R25, R26, R27, R30, R31, R3	Metal film resistor 1%		33k	18	660-MF1/4DCT52R3302F	9341757	METALL 33,0k	33.2KXBK-ND	
R9, R14, R20, R24	Metal film resistor 1%		100k	4	660-MF1/4DCT52R1003F	9341129	METALL 100K	100KXBK-ND	
R29, R45	Metal film resistor 1%		330k	2	660-MF1/4DCT52R3303F	9341765	METALL 330k	332KXBK-ND	
R4, R5, R6, R7	Trimmer		5k	4	81-PV36X502C01B00	1141376	64W-5,0K	SP064X-5.0K-ND	
C7	Ceramic	2.5mm pitch	10p	1	594-K100K15C0GF53L2	2309022	KERKO 10P	478-4843-ND	
C10, C13, C14	Ceramic	2.5mm pitch	100p	3	594-K101K15C0GF53L2	2309023	KERKO 100P	399-4142-ND	
C33, C35, C39, C46	Polystyrene, 2.5%	Axial	220p	4	23PS122 or 23PW122	9520031	STYROFLEX 220P		
C24, C25, C29, C30, C41, C42, C44, C4	Ceramic	2.5mm pitch	560p	8	594-K561J15C0GF5TL2	1694150	KERKO 560P	445-4780-ND	
C9	Film cap	2.5mm pitch	6.8n	1	810-FK16C0G2A682J	9752943	MKS-02 6.8N	445-8336-ND	
C11, C12	Film cap	5mm pitch	33n	2	80-MMK5333J40J03L4	9752986	MKS-2 33N	399-5898-ND	
C8, C22	Film cap	5mm pitch	68n	2	80-MMK5683K63J01TR18	1890264	MKS-2 68N	399-6036-ND	
C4, C5, C6, C17, C18, C19, C23, C26, C	Ceramic	2.5mm pitch	100n	23	75-1C10Z5U104M050B	2309020	X7R-2.5 100N	BC1148CT-ND	
C20, C21	Electrolytic cap, NP/audio	2.5mm or 2.0mm pitch	1u	2	647-UVP1H010MDD	1236655		UVP1H010MDD-ND	
C1, C34	Electrolytic cap, NP/audio	2.5mm or 2.0mm pitch	4.7u	2	647-UVP1E4R7MDD	1236689		P1175-ND	
C3	Tantalum cap, > 15V	2.5mm pitch	10u	1	581-TAP106K016SRW	1753975	TANTAL 10/16	478-1839-ND	
C2, C15, C16	Electrolytic, >= 15V	2.5mm pitch	100u	3	140-SEA101M1CBK0607	8767254		P833-ND	
C37, C49	Electrolytic, >= 15V	5.0mm pitch	220u	2	667-ECA-1HM221	9451099	RAD 220/35	P10297-ND	
D2, D3, D4, D5	Zener Diode	DO-35	3.6V	4	771-BZX79-B3V6113	1097230	ZF 3,6	568-7951-1-ND	
D1	1N4001	DO-41		1	625-1N4001-E3/73	1651084	1N 4001	641-1311-1-ND	
IC1	LT1054 DC DC Converter	DIP8		1	595-LT1054CP	1652378	LT 1054 CN8	296-9591-5-ND	
IC12, IC13	4053N triple multiplexer	DIP16		2	595-CD4053BE	1106110	74HC 4053	296-2059-5-ND	
IC11	74HC595N POSI reg	DIP16		1	595-SN74HC595N	3166028	74HC 595	568-1484-5-ND	
IC2, IC3, IC4, IC6, IC10	TL072 dual op-amp	DIP8		5	595-TL072CP	1103005	TL 072 DIP	497-2201-5-ND	
IC8	TL074 quad op-amp	DIP14		1	595-TL074CN	9755934	TL 074 DIL	497-2205-5-ND	
IC7, IC9	V2164 quad VCA	DIP16		2	Small Bear, Mammoth Electronics, Magic Smoke				
IC14	LM7805 +5V Vreg			1	863-MC7805ACTG	9666095	µA 7805	LM7805CT-ND	
IC5	LM7905 -5V Vreg			1	863-MC7905ACTG	9666141	µA 7905	LM7905CTFS-ND	
J1	Power Jack, 2.1mm			1	163-7620E-E	1737246	HEBW 21 / HEBW 25	CP-202A-ND	
J2, J3	Audio Jack, Neutrik NMJ4HC			2	550-10201	4169244			
LED1, LED2	0603 SMD LED			2	859-LTST-C194TBKT	1686063	SMD-LED 0603 BL	754-1434-1-ND	
J4	1x8 female header			2	782-A000040				
J6	1x6 female header			2	782-A000040				18688
	DIP8 socket	DIP8		6	571-1-390261-2	1101345	GS8	A100204-ND	4771
	DIP14 socket	DIP14		1	571-1-390261-3	1101346	GS14	A100205-ND	4774
	DIP16 socket	DIP16		5	571-1-390261-4	1101347	GS16	A100206-ND	4775