

Push VCA BOM

Qty	Value	Device	Package	Parts	Description
6	0.1uf	CAPACITOR	CAP/.15X.08		(mouser#:594-K104K15X7RF53L2)
4	10pf	CAPACITOR	CAP/.15X.08	C2, C6, C7, C8	(mouser#:594-K100J15C0GF5TL2)
2	330pf	CAPACITOR	CAP/.15X.08	C1, C5	(mouser#:594-K331J15C0GF53L2)
3	10uf	CAPACITOR	4x7mm		(mouser#:647-USR1E100MDD)
11	100k	RESISTORRES-HOR-0.4	RES-HOR-0.4	R1, R2, R17, R21, R27, R35, R37,	(1/4watt 5%)
7	1k	RESISTORRES-HOR-0.4	RES-HOR-0.4	R25, R34, R36, R40, R42, R45, R51	
4	47k	RESISTORRES-HOR-0.4	RES-HOR-0.4	R23, R24, R39, R44	
2	270k	RESISTORRES-HOR-0.4	RES-HOR-0.4	R3, R4	
2	75k	(all from small bear or mouser)			
1	100ohm~(L1)	RESISTORRES-HOR-0.4	RES-HOR-0.4	R22	
1	100ohm~(L2)	RESISTORRES-HOR-0.4	RES-HOR-0.4	R18	
2	1N4001	1N4004(or 1n4001)	D041-10	D1, D2	DIODE(tayda)
2	2N3904	2N3904	T092	T1, T2	NPN TRANSISTOR (tayda)
2	2N3906	2N3906	T092D	Q1, Q3	PNP TRANSISTOR (tayda)
1	OTA_LM13700N	OTA_LM13700N	OTA_DIL16	IC2	Dual OTA with buffers
1	TL072_	TL072_	DIL08	U1	Generic Dual Op Amp
1	TL074	OPAMP/QUAD	14-PDIP	U2	
1	78L05	5 volt regulator			(mouser#:512-LM78L05ACZ)
2	led toggle switches	mouser#:yellow(107-PS322RUY-EV) red(107-PS322RUR-EV)			
2	100k	TRIM pot	6MM	TM1, TM2	(tayda)
5	qingpu 4.5mm thread jacks	(from me, erthenvar, or thonk etc)			
1	JMP/10P/DIPHEADER	dual row 10 pin right angle male header(power Header)	(all headers from tayda)		
1	7 pin right angle male headers	2,0/0,9-R PAD1, PAD2			
1	2 pin right angle male headers	JMP/2P/SIP			
1	1 pin right angle male header				
1	10mm nylon spacer				
2	M3 5mm long screws for spacer	(mcmastercarr#:91698A301)			
1	1"~ piece of wire for connecting grounds between top and bottom pcb				