

ADA Flanger Clone Bill of Materials

Part Number		Quantity Needed	Description	
140-PM2A103K	m	6	0.01 uF	C1, C3, C10, C20, C23, C34
140-PM2A104K	m	3	0.1 uF	C9, C16, C28
140-PM2A224K	m	2	0.22 uF	C13, C33
140-PM2A474K	m	1	0.47 uF	C7
581-TAP105K025SCS	m	4	1.0 uF	C11, C12, C21, C32 tant
140-L35V2.2-RC	m	2	2.2 uF	C6, C17
140-MLRL50V4.7-RC	m	4	4.7 uF	C2, C5, C15, C27
140-ESRL50V22-RC	m	1	22 uF	C4
140-ESRL50V33-RC	m	4	33 uF	C22, C24, C25, C26
140-XRL25V470-RC	m	1	470 uF	C31
140-500P5-101K-RC	m	2	100 pF	C8, C14
140-PF2A152J	m	1	1500p	C18 0.0015 uF
140-50N2-390J-RC	m	1	39p	C29
140-500P5-501K-RC	m	1	510p	C19
271-10-RC	m	1	10	R15
271-47-RC	m	4	47	R6, R55, R62, R68
271-100-RC	m	3	100	R27, R45, R50
271-100K-RC	m	6	100K	R30, R31, R46, R48, R52, R58
271-10K-RC	m	5	10K	R13, R34, R36, R37, R67
271-14K-RC	m	1	13K9	R18
271-1K-RC	m	4	1K	R1, R14, R16, R60
271-1.0M-RC	m	3	1M	R5, R35, R54
291-1.3M-RC	m	1	1M3	R28
271-20K-RC	m	3	20K	R9, R63, R64
271-22K-RC	m	4	22K	R32, R33, R39, R51
271-27K-RC	m	4	27K	R10, R43 2
271-2.7K-RC	m	3	2K7	R3, R47, R61
271-2.2M-RC	m	1	2M2	R69
271-30K-RC	m	3	30K	R2, R4, R38
271-39K-RC	m	1	39K	R19
271-43K-RC	m	1	43K	R26
271-47K-RC	m	1	47K	R11
271-4.7K-RC	m	1	4K7	R17
291-510K-RC	m	1	510K	R53
271-51K-RC	m	2	51K	R49, R66
271-5.1K-RC	m	1	5K1	R44
271-68K-RC	m	8	68K	R7, R8, R12, R29, R40, R41, R42, R56
271-75K-RC	m	1	75K	R59
271-82K-RC	m	2	82K	R57, R65
		6	1N914	D1 - D6
		1	1N4002	D7
313-1000F-10K	m	3	10Kb	pot P1, P2, P3

313-1000F-50K	m	1	50Kb	pot	P4
500K rev log taper	sb	1	500Kc	pot	P5
858-72PMR-20K-LF	m	4	20Kb	trim	T1, T2, T3, T4
858-72PMR-100K-LF	m	1	100Kb	trim	T5
858-72PMR-1K-LF	m	1	1Kb	trim	T6
	sb	3	LM324	IC1, IC2, IC3	
	sb	1	MC1458	IC4	MC34074
	sb	1	CD4007	IC5	
	sb	1	CD4047	IC6	
511-L7815CV	m	1	LM7815	IC7	
	sb	1	SAD1024	IC8	
	sb	1	CD4049	IC9	
512-PN4393	m	1	2N4393	Q1	N channel JFET
		1	SPDT	SW1	
		1	jack	JK3	stereo w/ ring switch
567-274-2AB	m	1	TO-220	heatsink	

C1	0.01	R35	1M
C2	4.7	R36	10k
C3	0.01	R37	10k
C4	22	R38	30k
C5	4.7	R39	22k
C6	2.2	R40	68k
C7	0.47	R41	68k
C8	100p	R42	68k
C9	0.1	R43	27k
C10	0.01	R44	5k1
C11	1	R45	100
C12	1	R46	100k
C13	0.22	R47	2k7
C14	100p	R48	100k
C15	4.7	R49	51k
C16	0.1	R50	100
C17	2.2	R51	22k
C18	1500p	R52	100k
C19	510p	R53	510k
C20	0.01	R54	1M
C21	1	R55	47
C22	33	R56	68k
C23	0.01	R57	82k
C24	33	R58	100k
C25	33	R59	75k
C26	33	R60	1k
C27	4.7	R61	2k7
C28	0.1	R62	47
C29	39p	R63	20k
C31	470	R64	20k
C32	1	R65	82k
C33	0.22	R66	51k
C34	0.01	R67	10k
R1	1k	R68	47
R2	30k	R69	2M2
R3	2k7	D1 - D4	1N914 x4
R4	30k	D5 - D6	1N914 x2
R5	1M	D7	1N4001
R6	47	IC5	CD4007
R7	68k	IC6	CD4047
R8	68k	IC7	LM7815
R9	20k	IC8	SAD1024
R10	27k	IC1	LM324
R11	47k	IC2	LM324

R12	68k	IC3	LM324
R13	10k	IC4	MC1458
R14	1k	IC9	CD4049
R15	10	Q1	LS4393
R16	1k	P1	10k Enhance
R17	4k7	P2	10k Threshold
R18	13k9	P3	10k Manual
R19	39k	P4	50k Range
R26	43k	P5	500k Speed
R27	100	T1 Bias	20k Trim
R28	1M3	T2 Enhance	20k Trim
R29	68k	T3 Auto Sweep	20k Level Trim
R30	100k	T4 Max Clock	20k Trim
R31	100k	T5 Clock Range	100k Trim
R32	22k	T6 Clock	1k Null Trim
R33	22k	JK3	stereo w/ ring switch
R34	10k	SW1	SPDT