

PARTS LIST * AR-318 * VC CLOCK, NOISE GENERATOR, AND SAMPLE/HOLD

NUMBER	QUANTITY	DESCRIPTION	VALUE AND RATINGS
C1, 2, 3, 6, 11, 14, 26, 28	8	Capacitor, Disc	0.1 mfd, 50v
C4, 5, 8, 19	4	" "	0.01 mfd
C7, 20, 27, 29	4	" "	0.001 mfd
C9, 12, 15, 18, 21, 24	6	" "	33 pf
C10, 13	2	Capacitor, Tantalum	10 mfd, 20v
C16	1	Capacitor, Disc	150 pf
C17	1	Capacitor Mylar, Mica, or Polycarb	0.056 mfd, 10%, 25v
C22	1	Capacitor, Tantalum	1 mfd, 50v
C23, 25	2	Capacitor, Disc	100 pf
D1 thru 9	9	Diode, Silicon	1N914 or 1N4148 or equivalent
P1	1	Potentiometer, 1/4" shaft	100k linear
P2	1	" "	10k, linear
Q1	1	Transistor, NPN	2N5172
Q2, 4, 7, 8, 12, 14		Transistor NPN	2N3393 or TE3393
Q3, 6, 9, 13,	4	Transistor, PNP	2N3638
Q5	1	Field Effect Transistor, N-Channel	E212 (siliconix)
Q10	1	Transistor, Unijunction	2N4870
Q11	1	Transistor, PNP	MPS-A65
R1, 9, 13, 15, 34	5	Resistor, Carbon	1meg, 10%
R2, 3	2	" "	4.7 meg, 10%
R4, 7, 16, 21, 27, 30, 46, 52, 53, 55	10	" "	1k, 10%
R5	1	Resistor, Carbon	3.9k, 10%
R6, 12, 14, 17, 18 19, 24, 25, 26 32	19	" "	100k, 10%
R35, 36, 37, 38 40, 43 57, 58, 59			
R10, 20, 29, 31 51, 54, 56, 60		" "	10k, 10%
R11	1	" "	10 meg, 10%
R22, 23, 28	3	" "	100 ohm, 10%
R8	1	" "	39k, 10%
R33	1	" "	150k, 10%
R41	1	" "	56k, 10%
R42, 45	2	" "	470k, 10%
R44, 61	2	" "	3.3k, 10%
R47	1	" "	10 ohm, 10%
R48	1	" "	15k, 10%
R39	1	" "	390k, 10%
R49	1	" "	8.2k, 10%

NUMBER	QUANTITY	DESCRIPTION	VALUE & RATINGS
R50,66	2	Resistor, Carbon	33k, 10%
R62,65	2	" "	2.2k, 10%
R63	1	" "	4.7k, 10%
R64	1	" "	390 ohm, 10%
S1	1	Switch, toggle	SPDT
S2	1	Switch, momentary button	SPST
T1	1	Trimpot	50k, linear
U1,2,3,4,5,7,8,9	8	Operational Amplifier	LM301A
U6	1	FET Operational Amplifier	NE536
	12	Jack, mini-phone	
	1	Printed Circuit Board	
	1	Front Panel	
	2	Knob, 1/4" shaft	
	1	Module frame	
	2	brackets	
	6	Screw, 4-40 x 3.8"	
	6	Nut, 4-40 hex	
	2	PC card guide	