

Pre-installed Components

C1	1000p		C43	1
C2	1800p		C44	0.1
C3	3300p		C45	0.01
C6	390p		C46	330p
C7	3300p		C47	1000p
C8	3300p		C48	0.1
C9	390p		C49	0.1
C10	0.1		C50	1800p
C11	0.1		C101	0.1
C12	470p		C102	0.1
C13	1		C103	100p
C14	1		C105	0.1
C15	1800p		C106	0.1
C17	0.1		D1	1N914
C18	100p		D2	1N914
C19	0.047		D3	1N914
C20	1		D4	1N914
C21	1000p		D7	1N914
C22	1000p		D8	1N914
C23	0.1		D9	1N914
C24	0.01		D10	1N914
C26	0.01		D101	1N914
C27	470p		Q4	MMBT3904
C28	0.1		Q5	2N7002
C29	0.1		Q6	2N7002
C30	0.1		Q7	2N7002
C32	1		Q8	2N7002
C33	0.01		Q9	MMBT3904
C34	47p		Q10	MMBT3906
C35	0.001		Q13	MMBT3906
C36	220p		Q14	2N7002
C37	0.01		Q16	MMBT3904
C38	0.1		Q17	MMBT3904
C39	0.1		Q101	MMBT3904
C40	1		Q102	MMBT3904
C42	0.1		Q103	MMBT3904
			Q104	MMBT3904

Pre-Installed Components (continued)

R1	1.0k		R39	1.0k
R3	1.0k		R40	10k
R4	10k		R41	22k
R5	75k		R42	100
R6	1.0k		R43	1.0k
R7	36k		R44	27k
R8	1.0k		R45	10k
R9	1.0k		R46	1.0M
R10	10k		R47	DNI
R12	1.0k		R48	10k
R13		220	R49	1.0M
R14	1.0k		R50	150k
R15	30k		R51	470
R16	10k		R52	1.0k
R17		360	R53	3.3k
R18	18k		R54	390
R19	10k		R55	220
R20	2.2k		R56	680
R21	10k		R57	470
R22	18k		R58	470
R23	10k		R101	39k
R24		180	R102	10k
R26		680	R103	10k
R27	1.0k		R104	1.0k
R28	1.0k		R105	1.0k
R29	1.0k		R106	100k
R30	18k		R107	1.0k
R31		47	R108	220k
R32	2.7k		U1	NJM2113
R33	10k		U2	TLC274
R34	100k		U4	LM317L
R35	10k		U6	Si5351
R36		470	U7	LM317L
R37	1.0M		U8	74AC04
R38	10k		U9	LM317L

Contents of Electronic Parts Kit

Contents of Hardware Kit

√	Qty	Value	Ref Des	Type	√	Qty	Part
	2	10u	C5, C104	Electrolytic		1	14-DIP Socket
	2	2200u	C16, C25	Electrolytic		3	Heat Sink
	2	100u	C31, C41	Electrolytic		3	Heat Sink Pads
	1	LED	D5	Red, T 1-3/4		1	5.5x2.1mm power plug
	1	SB240	D6	axial		11	6-32x3/8 black round head screw
	1	BNC	J1	BNC		4	6-32x0.25x1.5" aluminum hex standoff
	1	Power Jack	J2	5.5x2.1mm		4	6-32x 0.25 spacer
	2	Audio Jack	J3, J4	3.5mm		4	6-32x5/8" black round head screw
	2	T50-2	L1, L3	red toroid		4	4-40x 5/8" round head screw
	2	T50-6	L2, L4	yellow toroid		7	6-32 hex nut
	2	IRF510	Q1, Q12	TO-220		4	#4x1/4" nylon spacer
	1	ZVN3310A	Q2	TO-92		4	4-40 nylon hex nut
	3	FQP7P06	Q3, Q11, Q15	TO-220		1	LED holder
	2	50k	R11, R25	Potentiometer		1	large knob
	1	Power	SW1	SPDT		2	small knob
	1	Rotary Encoder	SW2			7	#6 flat washer
	1	PIC16F18324-I/P	U5	DIP-14		7	#6 lock washer
	3	2.0M	X1, X2, X3	Ceramic Resonator		4	rubber feet
						1	6", 6-conductor ribbon cable
						6'	22 AWG magnet wire
						1	microphone
						1	Speaker
						1	4 digit LED display