

## ASM VCO Core Full Kit

Item	Description	Qty	Designator	Package
	<b>PCB</b>			
1	ASM-1 VCO Core PCB V1.6	1		-
	<b>KITS</b>			
2	ASM VCO Core Component Kit V1.6	1		-

**ASM VCO Core Component Kit**

Item	Description	Qty	Designator	Package
	<b>CAPACITOR</b>			
1	18pF 5% Ceramic	1	C203	RAD-0.2N
2	100pF 5% Ceramic	2	C201, C204	RAD-0.2N
3	2200pF 2.5% Polystyrene	1	C202	AXIAL-0.4
4	100nF Ceramic	4	C301, C302, C303, C304	RAD-0.2N
5	100nF 63V Polyester	1	C101	RAD-0.2
6	1uF 35V Tantalum	2	C305, C306	RB-D5.0-P5.0
	<b>CONNECTOR</b>			
7	1x2 Pin 9mm Header	1	JP100	2.54MM
8	8-pin IC Socket 0.3inch	2	Q201, U202	DIP-8
9	Jumper Shunt - Red	1	JP100	2.54MM
10	Strip Line Header - 7-way	2	J1A, J1B	SIL-7
11	8-pin Wirewrap IC Socket 0.3inch	1	U201	-
			NB: See modification	
12	14-pin IC Socket 0.3inch	1	U101	DIP-14
	<b>DIODE</b>			
13	1N4148	2	D201, D202	DIODE-0.3
14	Do Not Fit	4	D301, D302, D303, D304	-
	<b>LINEAR</b>			
15	LM337LZ - Adjustable Negative Voltage Regulator	1	U302	TO-92
16	LT1014 - Quad Low-drift Opamp	1	U101	-
17	LM317LZ - Adjustable Positive Voltage Regulator	1	U301	TO-92
18	LM311 - Comparator	1	U202	DIP-8
19	CA3140 Opamp	1	U201	DIP-8
			NB: See modification	
	<b>RESISTOR</b>			
20	Do Not Fit	2	R302, R305	-
21	Wire Link	2		TO FIT
			NB: See modification	

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22	TEMPCO - PT146 1K 3500ppm	1	Q201	AXIAL-0.5
23	62R 1% 0.5W Metal Film	1	R108	AXIAL-0.4
			NB: 50ppm	
24	240R 1% 0.5W Metal Film	2	R303, R306	AXIAL-0.4
25	680R 1% 0.5W Metal Film	1	R204	AXIAL-0.4
26	1K4 1% 0.5W Metal Film	2	R301, R304	AXIAL-0.4
27	3K3 1% 0.5W Metal Film	1	R206	AXIAL-0.4
28	10K 1% 0.5W Metal Film	3	R110, R202, R207	AXIAL-0.4
29	13K 1% 0.5W Metal Film	1	R208	AXIAL-0.4
30	15K 1% 0.5W Metal Film	2	R105, R205	AXIAL-0.4
31	56K 1% 0.5W Metal Film	1	R107	AXIAL-0.4
32	68K 1% 0.5W Metal Film	1	R209	AXIAL-0.4
33	91K 1% 0.5W Metal Film	2	R106, R111	AXIAL-0.4
34	100K 1% 0.5W Metal Film	5	R101, R102, R112, R203, R210	AXIAL-0.4
35	100K 0.1% Metal Film	1	R104	AXIAL-0.4
36	887K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
37	1M0 1% 0.5W Metal Film	2	R109, R113	AXIAL-0.4
			NB: R113 - See modification	
38	1M5 1% 0.5W Metal Film	1	R103	AXIAL-0.4
	<b>TRANSISTOR</b>			
39	LS312 - Dual Matched NPN Transistors	1	Q201	DIP-8
40	J108 JFET	1	Q202	TO-92
41	2N3904 NPN Transistor	1	Q203	TO-92
	<b>TRIMPOT</b>			
42	200R 25TV Cermet	2	P301, P302	T93YA
43	10K 25TV Cermet	1	P101	T93YA
44	50K 25TV Cermet	1	P201	T93YA
45	100K 20TV Cermet	1	P100	T93YA
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