AVRSynth Mk1 Full Kit

Item	Description	Qty	Designator	Package
	PCB			
1	AVRSynth Controller PCB V1	1		-
	KITS			
2	AVRSynth Mk1 Enclosure Kit V1.1	1		-
3	AVRSynth Mk1 Hardware Kit V1.1	1		-
4	AVRSynth Controller Component Kit V1	1		-
	End of document			

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AVRSynth Controller Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	22pF 10% Ceramic	2	C202, C203	RAD-0.2N
2	100nF Ceramic	8	C201, C302, C303, C306, C307, C308, C309, C310	RAD-0.2N
3	10uF 35V Tantalum	1	C311	RB-D7.5-P5.0
4	10uF 35V Electrolytic	2	C304, C305	RB-D5.0-P2.0
5	22uF 50V Electrolytic	1	C401	RB-D5.0-P2.0
6	100uF 25V Electrolytic	1	C301	RB-D8-P3.5
	CONNECTOR			
7	8-pin IC Socket 0.3inch	1	U201	DIP-8
8	20-pin IC Socket 0.3inch	2	U401, U402	DIP-20
9	40-pin IC Socket 0.6inch	1	U202 NB: See Build Guide	DIP-40
	CRYSTAL			
10	8MHz Crystal	1	X201	HC49/U
11	Insulator for HC-18/U	1	X201	-
	DIODE			
12	1N4004 200V 1A	2	D301, D302	DIODE-0.4
13	1N4148	21	D101, D102, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112,	DIODE-0.3
			D113, D114, D115, D116, D117, D118, D119, D120, D201	
	HARDWARE			
14	M3 Nut	1	U301	-
15	M3 x 6mm Bolt PH	1	U301	-
16	HEATSINK - TO-220 Type 6021	1	U301	-
	LINEAR			
17	ATMEGA16L-8PI	1	U202	DIP-40
18	6N138 - Opto-coupler	1	U201	DIP-8
19	7805 +5V 1A Fixed Voltage Regulator	1	U301	TO-220