

MIDI-Retrofit-8 Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	100nF Ceramic	7	C101, C102, C402, C406, C407, C408, C409	RAD-0.2N
			NB: C102 - see modification	
2	1uF 50V Electrolytic	1	C404	RB-D5.0-P2.0
3	10uF Low ESR Electrolytic	1	C410	RB-D6.3-P2.5
4	10uF 35V Electrolytic	3	C403, C405, C411	RB-D5.0-P2.0
5	100uF 25V Electrolytic	1	C401	RB-D6.3-P2.5
	CONNECTOR			
6	Crimp to suit 0.1inch Series MTA	24		-
7	5-PIN DIN Panel Socket	1	J101	-
8	8-way 0.1inch Straight Header	2	J201, J309	2.54MM
9	8-way 0.1inch Crimp Housing	2	J201, J309	2.54MM
10	2-way 0.1inch Crimp Housing	4	J101, J401, J402, S102	2.54MM
11	28-pin IC Socket 0.3inch	1	U101	DIP-28
12	8-pin IC Socket 0.3inch	2	U103, U404	DIP-8
13	16-pin IC Socket 0.3inch	1	U301	DIP-16
14	2-way 0.1inch Straight Header	4	J101, J401, J402, S102	2.54MM
15	20-pin IC Socket 0.3inch	1	U302	DIP-20
	CRYSTAL			
16	16MHz Oscillator	1	X101	DIL-8
	DIODE			
17	1N4004 200V 1A	3	D401, D402, D403	DIODE-0.4
18	1N4148	1	D101	DIODE-0.3
	LINEAR			
19	MAX528 - Octal 8-bit DAC	1	U302	DIP-20N
20	ATMEGA8-16PU	1	U101	DIP-28N
21	6N138 - Opto-coupler	1	U103	DIP-8
22	78L05 +5V 100mA Fixed Voltage Regulator	1	U402	TO-92
23	TC962 Charge Pump DC-DC Converter	1	U404	DIP-8

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24	LM317LZ - Adjustable Positive Voltage Regulator	1	U401	TO-92
	LOGIC			
25	CD4504 - Octal Buffer	1	U301	DIP-16
	RESISTOR			
26	10R 1% 0.5W Metal Film	1	R403	AXIAL-0.4
27	220R 1% 0.5W Metal Film	1	R103	AXIAL-0.4
28	240R 1% 0.5W Metal Film	1	R402	AXIAL-0.4
29	510R 1% 0.5W Metal Film	1	R401	AXIAL-0.4
30	1K5 1% 0.5W Metal Film	1	R104	AXIAL-0.4
31	2K2 1% 0.5W Metal Film	8	R201, R202, R203, R204, R205, R206, R207, R208	AXIAL-0.4
32	10K 1% 0.5W Metal Film	2	R101, R102	AXIAL-0.4
33	15K 1% 0.5W Metal Film	1	R108	AXIAL-0.4
34	4 x 10K Commoned Resistor Network	1	RN102	SIP-5
	SWITCH			
35	SPNO Tactile Switch - 6mm - 3.5mm Plunger	1	S101	-
36	4PST DIP	1	S103	DIP-8
	TRIMPOT			
37	2K 25TV Cermet	1	P401	T93YA
38	5K 25TV Cermet	2	P101, P301	T93YA
	FIRMWARE			
39	SOFT - ED103-MIDI Trigger Software V4.3	1		-
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