

## Bill of Materials for MIDI2SSDS(X) Retrofit Component Kit Revision 1.0

Item	Description	Qty	Designator	Package
	<b>CAPACITOR</b>			
1	100nF Decoupling Capacitor	6	C101, C102, C103, C104, C152, C154	RAD-0.2N
2	10uF 50V Electrolytic	2	C151, C153	RB-D5.0-P2.0
	<b>CONNECTOR</b>			
3	5-PIN DIN Panel Socket	1	-	-
4	DIP - 8-pin IC Socket 0.3inch	1	U103	DIP-8
5	DIP - 20-pin IC Socket 0.3inch	1	U102	DIP-20
6	DIP - 28-pin IC Socket 0.3inch	1	U101	DIP-28
	<b>CRYSTAL</b>			
7	OSCILLATOR - 16MHZ	1	X101	DIL-8
	<b>DIODE</b>			
8	RECTIFIER - 1N4004 200V 1A	2	D151, D152	DIODE-0.4
9	SIGNAL - 1N4148	1	D101	DIODE-0.3
	<b>LINEAR</b>			
10	ATMEGA8-16PI	1	U101	DIP-28N
11	6N138 - Opto-coupler	1	U103	DIP-8
12	MAX528 Octal 8-bit DAC	1	U102	DIP-20N

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Item	Description	Qty	Designator	Package
	<b>LINEAR - continued</b>			
13	78L05 5V 100mA Fixed Voltage Regulator	1	U104	TO-92
14	79L05 5V 100mA Fixed Voltage Regulator	1	U105	TO-92
	<b>INDUCTOR</b>			
15	Single bead inductor	2	L101, L102	AXIAL-0.4
	<b>RESISTOR</b>			
16	10R 1% 0.5W Metal Film	1	R151	AXIAL-0.4
17	220R 1% 0.5W Metal Film	1	R103	AXIAL-0.4
18	1K5 1% 0.5W Metal Film	1	R104	AXIAL-0.4
19	10K 1% 0.5W Metal Film	2	R101, R102	AXIAL-0.4
20	15K 1% 0.5W Metal Film	1	R108	AXIAL-0.4
21	4 x 10K Commoned Resistor Network	1	RN102	SIP-5
22	8 x 2K2 Commoned Resistor Network	1	RN101	SIP-9
	<b>SWITCH</b>			
23	TOGGLE - SPDT Panel (ON-Mom)	1	S101	-
24	ROCKER - 4PST DIP	1	S102	DIP-8

