

**Bill of Materials for MIDI2SDS(X) Component Kit (LRG)**

Item	Description	Qty	Designator
	<b>CAPACITOR</b>		
1	100nF Decoupling Capacitor	7	C101, C102, C103, C104, C152, C154, C155
2	1uF 63V Electrolytic	1	C157
3	10uF 63V Electrolytic	3	C151, C153, C156
	<b>CONNECTOR</b>		
4	6.35mm Mono Socket, Metal, Panel	8	J102, J103, J104, J105, J106, J107, J108, J109
5	5-PIN DIN Panel Socket	1	J101
6	8-pin IC Socket 0.3"	1	U103
7	20-pin IC Socket 0.3"	1	U102
8	28-pin IC Socket 0.3"	1	U101
	<b>CRYSTAL</b>		
9	16MHz Oscillator Module	1	X101
	<b>DIODE</b>		
10	1N4004 200V 1A Diode	2	D151, D152
11	1N4148 Signal Diode	1	D101
	<b>LINEAR</b>		
12	6N138 - Opto-coupler	1	U103

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	<b>LINEAR - continued</b>		
13	MAX528 Octal 8-bit DAC	1	U102
14	ATMEGA8-16PI	1	U101
15	78L05 5V 100mA Fixed Voltage Regulator	1	U104
16	79L05 5V 100mA Fixed Voltage Regulator	1	U105
	<b>INDUCTOR</b>		
17	Single bead inductor	2	L101, L102
	<b>OPTO-ELECTRONIC</b>		
18	5mm Recessed Chrome Red LED	8	D102, D103, D104, D105, D106, D107, D108, D109
	<b>RESISTOR</b>		
19	10R 1% 0.5W Metal Film	1	R151
20	220R 1% 0.5W Metal Film	1	R103
21	240R 1% 0.5W Metal Film	1	R153
22	510R 1% 0.5W Metal Film	1	R152
23	1K5 1% 0.5W Metal Film	1	R104
24	10K 1% 0.5W Metal Film	2	R101, R102
25	15K 1% 0.5W Metal Film	1	R108
26	4 x 10K Commoned Resistor Network	1	RN102

