

Bill of Materials for PolyDAC(X) Component Kit Revision 3.3A (PolyDAC(X) Component Kit)

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	33pF 10% Ceramic	6	C502, C522, C601, C611, C621, C631	RAD-0.2N
2	10nF 50V Polyester	16	C501, C511, C521, C531, C701, C702, C703, C704, C711, C712, C713, C714, C721, C722, C723, C724	RAD-0.2
3	100nF Decoupling Capacitor	30	C101, C104, C105, C106, C201, C204, C205, C206, C401, C402, C403, C404, C541, C542, C543, C544, C641, C642, C643, C644, C645, C646, C647, C648, C731, C732, C733, C734, C735, C736	RAD-0.2N
4	22uF 50V Electrolytic	3	C202, C203, C207	RB-D5.0-P2.0
	CONNECTOR			
5	16-pin IC Socket 0.3inch	1	U404	DIP-16
6	Crimp to suit 0.156inch Series MTA	4	J201	-
7	4-way 0.156inch Straight	1	J201	-
8	4-way 0.156inch Crimp Housing	1	J201	3.96MM
9	2x5 IDC Socket	1	J102	2.54MM
10	2x5 Box Header	1	J102	2.54mm
11	8-pin IC Socket 0.3inch	8	U101, U401, U402, U531, U601, U611, U621, U631	DIP-8
12	14-pin IC Socket 0.3inch	4	U501, U701, U711, U721	DIP-14
13	24-pin IC Socket 0.6inch	1	U403	DIP-24W
14	40-pin IC Socket 0.6inch	1	U102	DIP-40
	CRYSTAL			
15	16MHz Oscillator	1	X101	DIL-8
	DIODE			
16	BAT42 Schottky Barrier Diode	1	D401	DIODE-0.3
17	LM329 6V9 Precision	1	D531	TO-92
18	1N4004 200V 1A	1	D201	DIODE-0.4
19	1N4148	1	D101	DIODE-0.3
	LINEAR			
20	ATMEGA16-16PU	1	U102 NB:..See notes	DIP-40
21	TL074 Quad JFET Opamp	4	U501, U701, U711, U721	DIP-14

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	LINEAR - continued			
22	6N138 - Opto-coupler	1	U101	DIP-8
23	LF412 Dual Bi-FET Opamp	5	U531, U601, U611, U621, U631	DIP-8
24	AD712 - Dual FET Opamp	1	U402	DIP-8
25	78L05 +5V 100mA Fixed Voltage Regulator	1	U201	TO-92
26	AD8300 - 12-bit Serial A/D Converter	1	U401	DIP-8
	INDUCTOR			
27	Single bead inductor	2	L201, L202	AXIAL-0.4
	LOGIC			
28	CD4504 - Octal Buffer	1	U404	DIP-18
29	CD4067 - Analog Multiplexer/Demultiplexer	1	U403	DIP-24W
	RESISTOR			
30	10R 1% 0.5W Metal Film	1	R416	AXIAL-0.4
31	56R 1% 0.5W Metal Film	1	R201	AXIAL-0.4
32	75R 1% 0.5W Metal Film	15	R501, R511, R521, R608, R618, R628, R638, R701, R702, R703, R704, R711, R712, R713, R714	AXIAL-0.4
33	100R 1% 0.5W Metal Film	1	R202	AXIAL-0.4
34	220R 1% 0.5W Metal Film	4	R101, R107, R108, R111	AXIAL-0.4
35	1K0 1% 0.5W Metal Film	6	R104, R419, R801, R811, R821, R831	AXIAL-0.4
36	1K5 1% 0.5W Metal Film	1	R102	AXIAL-0.4
37	3K3 1% 0.5W Metal Film	5	R533, R802, R812, R822, R832	AXIAL-0.4
38	4K7 1% 0.5W Metal Film	3	R109, R412, R532	AXIAL-0.4
39	10K 1% 0.5W Metal Film	34	R418, R537, R601, R602, R603, R604, R605, R606, R607, R611, R612, R613, R614, R615, R616, R617, R621, R622, R623, R624, R625, R626, R627, R631, R632, R633, R634, R635, R636, R637, R803, R813, R823, R833	AXIAL-0.4
40	11K 1% 0.5W Metal Film	1	R414	AXIAL-0.4
41	11K5 1% 0.5W Metal Film	1	R413	AXIAL-0.4
42	15K 1% 0.5W Metal Film	1	R112	AXIAL-0.4
43	20K 1% 0.5W Metal Film	4	R804, R814, R824, R834	AXIAL-0.4
44	22K 1% 0.5W Metal Film	1	R415	AXIAL-0.4

