

BILL OF MATERIAL FOR ADAMS

CIRCUIT SYMBOL	DESCRIPTION	PE'S PART NO.	CIRCUIT SYMBOL	DESCRIPTION	PE'S PART NO.		
	IC, FET, TRANSISTORS & DIODES			IC, FET, TRANSISTORS & DIODES (Continued)			
IC-1	Integrated Circuit	μB3202	2000-019	Zener Diode	CZ-060	2000-340	
IC-6	Integrated Circuit	78L05AV	2000-020	Zener Diode	CZ-092	2000-305	
IC-7	Integrated Circuit	μPD858C	2000-021	Variable Capacitor	1S2687D	2000-323	
IC-2	Integrated Circuit	MC1496N	2000-022	Varistor	MV-1Y	2000-339	
IC-703	Integrated Circuit	TC4007P	2000-023	L.E.D.	TLR-321	2000-306	
IC-3	Integrated Circuit	MB3104	2000-024	L.E.D.	LR-0702R	2000-307	
IC-4	Integrated Circuit	MB3710	2000-025				
IC-5	Integrated Circuit	UH1C-005A	2000-026				
IC-702	Integrated Circuit	TC4027P	2000-027				
IC-701	Integrated Circuit	TC4011P	2000-028				
FET-3,5	FET	2SK68A-M	2000-104				
FET-2,6,8	FET	JF1033-red	2000-105				
FET-1,7	FET	3SK45-B	2000-102				
FET-4	FET	3SK45-B-09	2000-103				
TR-2,17,19,41,70,4,708	Transistor	2SA733-P	2000-236				
TR-36	Transistor	2SC458-C	2000-203				
TR-8,9,10,30,31	Transistor	2SC839-H	2000-234				
TR-1,4,11,12,13,14,15,16, 18,20,21,22,23,26,29, 32,33,42,701,702,703, 705,706	Transistor	2SC945A-P	2000-235				
TR-44	Transistor	2SC1306	2000-211				
TR-43	Transistor	2SC1307 (11)	2000-212				
TR-5,3	Transistor	2SC1730-L	2000-214				
TR-6,7,27,28,34,38,39, 40,46	Transistor	2SC1675-L	2000-213				
TR-45	Transistor	2SC1973	2000-215				
TR-707	Transistor	2SC1846-Q	2000-237				
TR-24,25	Transistor	2SD325E2	2000-238				
D-4,29,37,39,40,64,65,62, 66,67,83,84,85,86,403, 404,405,406,410,19, 408,409,407	Diode	1S2473	2000-239				
D-27,54,703,704,705	Diode	SR1K-2	2000-320				
D-8,9,56,61	Diode (Forming)	1S2473 (12.5)	2000-302				
D-1,3,5,6,7,12,13,14,17, 20,21,22,23,30,33,34, 35,36,38,46,47,53,58, 701,702,706,707,708, 709,710,711,712,713, 714,715,716,717,718, 719,720,721	Diode (Forming)	1S2473 (10)	2000-317				
D-81,82,48,49	Diode	1N60P	2000-337				
D-10,11,15,16,50,55,59	Diode (Forming)	1N60P (12.5)	2000-318				
D-26	Diode (Forming)	YZ-037	2000-338				
D-32	Diode (Forming)	WZ-061 (10)	2000-322				
D-31	Diode (Forming)	WZ-061 (12.5)	2000-329				
D-25	Zener Diode	BZ-075	2000-325				
				COILS & TRANSFORMERS			
				L-1	Coil	LA-029	2200-001
				L-7,39	Coil	LA-038	2200-022
				L-2	Coil	LA-060	2200-054
				L-8	Coil	LA-096	2200-023
				L-3	Coil	LA-152	2200-024
				L-4	Coil	LA-156	2200-026
				L-37	Coil	LA-196	2200-063
				L-5	Coil	LA-178	2200-033
				L-6	Coil	LA-179	2200-029
				L-24	Coil	LA-190	2200-030
				L-17	Coil	LA-191	2200-031
				L-16	Coil	LA-195	2200-055
				L-32	Coil	LC-018	2200-020
				L-30,27	Coil	LC-019	2200-066
				L-406,407	Coil	LD-013	2200-035
				L-31,33,34	Coil	LD-018	2200-036
				L-35,36	Coil	LD-057	2200-037
				L-26	Coil	LD-071	2200-057
				L-409,51	Coil	LD-077	2200-058
				L-46,401,402,403,404,408	Coil	LD-089	2200-059
				L-48	Coil	LD-096	2200-061
				L-28,29	Coil	LE-051	2200-038
				L-43,44	Micro Inductor	LZ-002 1μH	2200-039
				L-19,45	Micro Inductor	LZ-012 100μH	2200-202
				L-9,12,13,14,20,21,22, 23,25,38	Micro Inductor	LZ-012 470μH	2200-040
				L-10	Micro Inductor	LZ-015 56mH	2200-041
				L-11	Micro Inductor	LZ-015 68mH	2200-042
				L-49	Micro Inductor	LZ-001 220μH	2200-207
				T-1	Output Transformer	TF-106	2600-003
				T-401	Choke Transformer	TF-122	2300-003
				V-15,16			
				V-7,9	Semi-Fixed Resistor	RV-189 300 B	1900-222
				VR-8	Semi-Fixed Resistor	RV-189 5K B	1900-216
				VR-1	Semi-Fixed Resistor	RV-189 10K B	1900-217
				VR-4	Semi-Fixed Resistor	RV-189 20K B	1900-223
				VR-3,12,14	Semi-Fixed Resistor	RV-189 50K B	1900-218
				VR-2	Semi-Fixed Resistor	RV-189 100K B	1900-219
				VR-5	Semi-Fixed Resistor	RV-189 200K B	1900-224
				VR-404,405,401	Semi-Fixed Resistor	RV-189 500K B	1900-225
				VR-402,408	Dual Variable Resistor	RV-288	1900-121
				VR-403,407	Dual Variable Resistor	RV-286	1900-122
				VR-406	Dual Variable Resistor	RV-289	1900-123
					Variable Resistor	RV-287	1900-124

CIRCUIT SYMBOL	DESCRIPTION	PE'S PART NO.	CIRCUIT SYMBOL	DESCRIPTION	PE'S PART NO.
	VARIABLE RESISTORS (Continued)			RESISTORS (Continued)	
VR-401	Variable Resistor RV-193	1900-125	R-68,126	Carbon Resistor	820 ohm 1/8W J 1900-060
	RESISTORS		R-14,123,55,69,86,100, 133,145,157,159,165, 184,185,202	Carbon Resistor	1K ohm 1/8W J 1900-015
R-107	Metalized Resistor	2.2 ohm 2W K 1900-321	R-13,19,21,23,44,127,128	Carbon Resistor	1.5K ohm 1/8W J 1900-016
R-251	Metalized Resistor	2.2 ohm 2W K 1900-318	R-66,102,114,120,134, 140,173,139	Carbon Resistor	2.2K ohm 1/8W J 1900-018
R-112	Metalized Resistor	33 ohm 1W K 1900-319	R-10,83,146	Carbon Resistor	2.7K ohm 1/8W J 1900-043
R-161,714	Metalized Resistor	56 ohm 1W K 1900-311	R-51,59,62,77,92,96,116, 135	Carbon Resistor	3.3K ohm 1/8W J 1900-019
R-180,181	Metalized Resistor	100 ohm 1W K 1900-320	R-9,84,90,91,101,117,162	Carbon Resistor	4.7K ohm 1/8W J 1900-020
R-113	Metalized Resistor	150 ohm 1W K 1900-313	R-4,11,27,37,45,137,163	Carbon Resistor	5.6K ohm 1/8W J 1900-021
R-108	Carbon Resistor	180 ohm 1/2W J 1900-539	R-175	Carbon Resistor	8.2K ohm 1/8W J 1900-081
R-232	Carbon Resistor	10 ohm 1/4W J 1900-093	R-2,24,47,48,49,54,61,64, 70,76,81,87,89,98,144, 156,164,167,171,192, 203	Carbon Resistor	10K ohm 1/8W J 1900-023
R-205	Carbon Resistor	2.2 ohm 1/4W J 1900-091	R-149,158	Carbon Resistor	15K ohm 1/8W J 1900-024
R-206	Carbon Resistor	5.6 ohm 1/4W J 1900-068	R-26,104,136,172	Carbon Resistor	22K ohm 1/8W J 1900-025
R-713	Carbon Resistor	56 ohm 1/4W J 1900-096	R-78,147	Carbon Resistor	27K ohm 1/8W J 1900-044
R-204	Carbon Resistor	47 ohm 1/4W J 1900-095	R-99	Carbon Resistor	33K ohm 1/8W J 1900-026
R-29,95,712,248,242,244	Carbon Resistor	220 ohm 1/4W J 1900-501	R-30,148	Carbon Resistor	47K ohm 1/8W J 1900-027
R-221,226,715,716	Carbon Resistor	330 ohm 1/4W J 1900-513	R-82,106,194,195	Carbon Resistor	56K ohm 1/8W J 1900-028
R-216	Carbon Resistor	470 ohm 1/4W J 1900-538	R-53,191	Carbon Resistor	68K ohm 1/8W J 1900-029
R-222,709	Carbon Resistor	560 ohm 1/4W J 1900-503	R-5,35,58,75,106,190	Carbon Resistor	100K ohm 1/8W J 1900-545
R-176,177	Carbon Resistor	820 ohm 1/4W J 1900-602	R-39,42,124	Carbon Resistor	150K ohm 1/8W J 1900-030
R-8,12,245,706,231	Carbon Resistor	1K ohm 1/4W J 1900-504	R-34,38,40,50,73	Carbon Resistor	220K ohm 1/8W J 1900-032
R-717	Carbon Resistor	1.2K ohm 1/4W J 1900-505	R-88	Carbon Resistor	270K ohm 1/8W J 1900-083
R-20,130	Carbon Resistor	1.5K ohm 1/4W J 1900-506	R-160	Carbon Resistor	1M ohm 1/8W J 1900-085
R-103,209	Carbon Resistor	2.2K ohm 1/4W J 1900-508	R-43	Carbon Resistor	1.5M ohm 1/8W J 1900-035
R-31,57	Carbon Resistor	3.3K ohm 1/4W J 1900-510			
R-80,708	Carbon Resistor	4.7K ohm 1/4W J 1900-512			
R-143,155,138,121	Carbon Resistor	5.6K ohm 1/4W J 1900-526			
R-701,703,704 710,711, 193,187,720	Carbon Resistor	10K ohm 1/4W J 1900-516			
R-150,252	Carbon Resistor	33K ohm 1/4W J 1900-066			
R-721,722,93,246	Carbon Resistor	56K ohm 1/4W J 1900-067			
R-122	Carbon Resistor	15K ohm 1/4W J 1900-517			
R-213,705,707,241	Carbon Resistor	100K ohm 1/4W J 1900-523			
R-243	Carbon Resistor	150K ohm 1/4W J 1900-525			
R-719	Carbon Resistor	220K ohm 1/4W J 1900-546			
R-702	Carbon Resistor	1.8M ohm 1/4W J 1900-547			
R-718	Carbon Resistor	4.7M ohm 1/4W J 1900-548			
R-3	Carbon Resistor	2.2M ohm 1/4W J 1900-549			
R-174	Carbon Resistor	560 ohm 1/8W J 1900-075			
R-247	Carbon Resistor	220K ohm 1/8W J 1900-550			
R-230	Carbon Resistor	1 ohm 1/8W J 1900-543			
R-97,182,186	Carbon Resistor	10 ohm 1/8W J 1900-006			
R-179,199	Carbon Resistor	15 ohm 1/8W J 1900-053			
R-228	Carbon Resistor	22 ohm 1/8W J 1900-551			
R-25	Carbon Resistor	47 ohm 1/8W J 1900-008			
R-63	Carbon Resistor	56 ohm 1/8W J 1900-041			
R-105	Carbon Resistor	68 ohm 1/8W J 1900-076			
R-118,119,168,169,189,22	Carbon Resistor	100 ohm 1/8W J 1900-009			
R-1,33,52,85,67,71,74,94, 131,141,142,154,188, 198,15	Carbon Resistor	220 ohm 1/8W J 1900-010			
R-32,46,60,183	Carbon Resistor,	330 ohm 1/8W J 1900-011			
R-111	Carbon Resistor,	390 ohm 1/8W J 1900-079			
R-17,28,36,72,125,110,200	Carbon Resistor,	470 ohm 1/8W J 1900-012			
			C-52	Tantalum Condenser	1μF 25V M. 1800-606
			C-179,701,702	Tantalum Condenser	2.2μF 25V M. 1800-603
			C-88	Tantalum Condenser	4.7μF 25V M. 1800-607
			C-140,141	Tantalum Condenser	10μF 6.3V M. 1800-602
			C-77,78,79	Electrolytic Condenser	0.47μF 50V 1800-301
			C-35,58,84,98,126,158, 199,224,226,44	Electrolytic Condenser	1μF 50V 1800-302
			C-55,211	Electrolytic Condenser	2.2μF 25V 1800-303
			C-67,68,97,218	Electrolytic Condenser	4.7μF 25V 1800-304
			C-42,43,63,69,87,99,714, 710	Electrolytic Condenser	10μF 16V 1800-306
			C-14,706	Electrolytic Condenser	33μF 10V 1800-323
			C-89,92	Electrolytic Condenser	33μF 16V 1800-307
			C-47,49,50,59,66,76,120	Electrolytic Condenser	47μF 10V 1800-324
			C-101	Electrolytic Condenser	100μF 10V 1800-310
			C-102,135	Electrolytic Condenser	220μF 10V 1800-325
			C-81	Electrolytic Condenser	220μF 16V 1800-314
			C-104	Electrolytic Condenser	330μF 10V 1800-326
			C-103	Electrolytic Condenser	470μF 10V 1800-330
			C-95,94	Electrolytic Condenser	470μF 16V 1800-309
			C-107	Electrolytic Condenser	1000μF 16V 1800-328
			C-60,110,275,39	Aluminum Solid Condense	0.1μF 16V M. 1800-501

CIRCUIT SYMBOL	DESCRIPTION	PE'S PART NO.	CIRCUIT SYMBOL	DESCRIPTION	PE'S PART NO.
CAPACITORS (Continued)			CAPACITORS (Continued)		
C-17,80,83,131,200,210,240	Mylar Condenser	0.01 μ F 50V K 1800-407	C-403,405,406,407,408	Ceramic Condenser	0.01 μ F 50V Z ZF. 1800-112
C-23,51,72,74,86	Mylar Condenser	0.022 μ F 50V K 1800-408	C-19,20,21,22,28,33,34,41,57,100,105,106,109,118,146,156,193,196,202,206,215,216,217,219,220,223,227,228,248,708,709,713	Ceramic Condenser	0.022 μ F 50V Z ZF. 1800-079
C-703,704	Mylar Condenser	0.033 μ F 50V K 1800-418			
C-18,25,26,27,29,30,31,40,64,85,121,157,194,198,258	Mylar Condenser	0.039 μ F 50V K 1800-409			
C-61,62,82,169,401,245	Mylar Condenser	0.047 μ F 50V K 1800-411			
C-71	Mylar Condenser	0.068 μ F 50V K 1800-410			
C-73,75,91,96,133,134,175,188,191,231,153	Mylar Condenser	0.1 μ F 50V K 1800-412			
C-168	Ceramic Condenser	0.5pF 50V C CH. 1800-002	CT-1,2,3,4,5,6,7	Trimmer Condenser	CV-020 20P 1800-203
C-117,155	Ceramic Condenser	1pF 50V C CH. 1800-003	RR-401,402	Compound Parts	HA-008 680 ohm x 7 1900-402
C-37	Ceramic Condenser	2pF 50V C CH. 1800-004	RR-701	Compound Parts	HA-016 1900-404
C-32,288	Ceramic Condenser	5pF 50V D CH. 1800-095	CC-1,2	Compound Parts	HA-003 1800-103
C-143	Ceramic Condenser	7pF 50V D CH. 1800-058			
C-271,36	Ceramic Condenser	3pF 50V C CH. 1800-094			
C-116,130,139,150,154	Ceramic Condenser	10pF 50V J CH. 1800-059			
C-111,112	Ceramic Condenser	18pF 50V J CH. 1800-060			
C-54	Ceramic Condenser	22pF 50V J CH. 1800-061	X-1	Crystal	QX-017 2100-004
C-236,244	Ceramic Condenser	33pF 50V J CH. 1800-062	X-2	Crystal	QX-054 2100-005
C-1,163,274	Ceramic Condenser	39pF 50V J CH. 1800-063	X-5	Crystal	QX-080 2100-009
C-7,45,122,123,242	Ceramic Condenser	47pF 50V J CH. 1800-064	X-4	Crystal	QX-081-001 2100-006
C-24,174,176	Ceramic Condenser	56pF 50V J CH. 1800-065	X-6	Crystal	QX-081-002 2100-007
C-257,93,142,164	Ceramic Condenser	68pF 50V J CH. 1800-066	X-3	Crystal	QX-081-003 2100-008
C-115,288	Ceramic Condenser	100pF 50V K CH. 1800-067			
C-184	Ceramic Condenser	82pF 50V J CH. 1800-097			
C-165	Ceramic Condenser	180pF 50V K CH. 1800-069	FT-1	Crystal Filter	FL-001 2100-001
C-173	Ceramic Condenser	220pF 50V K RH. 1800-098	FT-2	Crystal Filter	FL-046 2100-002
C-258	Ceramic Condenser	330pF 50V K SL. 1800-040	S-405	Rotary Switch (CH)	SR-190 3000-108
C-38	Ceramic Condenser	330pF 50V K UJ. 1800-071	S-403	Rotary Switch (Meter)	SR-187 3000-109
C-167	Ceramic Condenser	390pF 50V K UJ. 1800-072	S-402	Push Switch(Mode, PA, ANL)	SW-109 3000-006
C-170	Ceramic Condenser	470pF 50V K UJ. 1800-073	S-404	Push Switch (scan)	SW-118 3000-007
C-8	Ceramic Condenser	100pF 50V K SL. 1800-052	SP-401	Speaker	SP-049 3100-006
C-269	Ceramic Condenser	250pF 50V K SL. 1800-109	M-401, PL-401	Meter	MT-143 2900-008
C-128,137,148	Ceramic Condenser	220pF 50V K SL. 1800-054	Relay-1	Relay	RL-027 2400-002
C-125	Ceramic Condenser	270pF 50V K SL. 1800-075	MIC	Microphone	MK-070 3200-003
C-127,136,147,270	Ceramic Condenser	470pF 50V K SL. 1800-074	J-401	Antenna Connector	JK-068 1100-018
C-9,113,114,265,711,712,415,416	Ceramic Condenser	0.001 μ F 50V K YB. 1800-110	J-402	Metal Consent	JK-072 1100-007
C-10,11,12,13,243,285,286,159,160,161,162,166,172,177,178,183,185,186,187,189,225,272,222,239	Ceramic Condenser	0.0047 μ F 50V K YB. 1800-024	J-406	3F Consent	JK-052 1100-003
C-266,277,278,260,265,282	Ceramic Condenser	0.047 μ F 50V Z ZF 1800-111	J-403,404	Jack	JK-010 1100-001
C-2,4,6,5,15,16,46,53,124,129,138,149,151,152,190,192,195,204,205,207,208,209,214,247,249,705,262,261,246	Ceramic Condenser	0.01 μ F 50V K YB 1800-025	J-410	L.E.D. Connector	JK-073-002 400m/m 1100-012
C-250,251	Ceramic Condenser	0.01 μ F 25V Z ZF 1800-108	J-411	L.E.D. Connector	JK-073-003 250m/m 1100-019
			J-412	L.E.D. Connector	JK-073-005 1100-020
				FPC	JK-074 1100-017
				Relay Socket 1400-001
				Crystal Socket	TP-019 1100-801
			TP-6,7,8,9	Check Terminal	TP-027 1100-802
			TP-2,4	Check Terminal	FS-001 2800-005
				Fuse	YD-003-003 3400-233
				Mica Insulation Board	YD-038 3400-234
				Mica Insulation Board	YD-035 3400-228
				Heat Sink	YY-027 3400-225
				Alumina Insulation Board	YY-036 1100-504
				Tight Bush	

CIRCUIT
SYMBOL

DESCRIPTION

PE'S
PART NO.

MISCELLANEOUS (Continued)

Relay Hook Pin	YY-046	1200-005
Wire Clamper	YY-047	1100-804
DC Cord	W-070088	2700-001
Flat Cable	WF-105	2700-104
Connector Cord	WZ-031	2700-003
Chassis		3300-821
Case (top)		3300-112
Case (bottom)		3300-113
Front Chassis		3300-822
Baffle panel		3400-229
P.C.B. Holder (large)		3300-823
P.C.B. Holder (small)		3300-824
Switch Angle		3300-825
Bracket		3300-208
Meter Holder		3300-801
Shield Panel		3400-203
Shield Panel		3400-223
Mike Hunger		3300-401
Spring Nut		1100-761
Earth Lug		1100-806
Front Panel (silver)		3400-230
Channel Knob		1300-004
Knob (lugged)		1300-002
Knob (out)		1300-011
Knob (in)		1300-012
Knob (Minus shape)		1300-005
Push Knob		1300-010
Push Knob (black)		1300-016
Push Knob (orange)		1300-017
L.E.D. Cap		3400-002
L.E.D. Holder (front)		3400-008
L.E.D. Holder (back)		3400-009
Control Plate		3400-513
F.C.C. Plate		1700-010
Warning Label		1700-402
Control No. Seal		1700-201
Warranty Tag		1600-002
Bracket Angle		3300-826
Screw for Mounting Bracket		1100-718
Speaker Net		3400-231
Rubber Washer for Speaker		1100-319
Rubber Washer for Bracket		1100-315
Fiber Washer for Bracket		1100-303
Meter Cushion		1100-407
Insulation Board (small)		3400-207
Insulation Board (large)		3400-232
Panel Protection Cover		3300-114
Chassis Protection Cover		3300-115
Tapping Screw	M3 x 6	1100-702
Tapping Screw	M3 x 8	1100-719
Bind Screw	M2.6 x 10	1100-721
Bind Screw	M2.6 x 12	1100-762
Bind Screw	M3 x 6	1100-704
Bind Screw	M3 x 8	1100-752
Bind Screw	M2.6 x 6	1100-755

CIRCUIT
SYMBOL

DESCRIPTION

MISCELLANEOUS (Continued)

Round Tapping Screw	5φ x 10	1100-709
Round Tapping Screw	3.5φ x 8	1100-708
Round Tapping Screw	M3 x 6	1100-725
Round Tapping Screw	M3 x 8	1100-763
Hexagon Nut	M2.6	1100-737
Frage Nut	M3	1100-764
Spring Washer	2.6φ	1100-759
Lugged Washer	3.5	1100-742
Lugged Washer	5	1100-743
Knob Spring	3.5φ No. 7800.	1100-309
Knob Spring	6φ No. 8500.	1100-310
Knob Spring	6φ No. 6600.	1100-305
Rivet	3.2φ x 5	1100-308
Banc-loc	M3	1100-326
Lug Terminal	3φ	1100-307
Styrofoam (front)		1800-006
Styrofoam (back)		1800-007
Display Box		1800-212
Double Carton		1800-307
Instruction Manual		1600-110
Wiring Diagram		1600-610
Warranty Card		1600-201
F.C.C. Application Form		1600-301
F.C.C. Temporary License Form		1600-401
Instruction book for F.C.C. Rules Part 95		1600-501
Printed Circuit Board	PC-346AA	3500-014
Printed Circuit Board	PC-243AA	3500-016
Printed Circuit Board	PC-275AB	3500-017
Printed Circuit Board	PC-291AA	3500-018
Printed Circuit Board	PC-292AA	3500-019
Printed Circuit Board	PC-293AA	3500-020
Flexible P.C.B.	PC-255AA	3500-021

PE'S
PART NO.