

Qty	Item	Description	Mfgr	Pkg	Ref.
1	15 pF	Cap, cer, 10%, 200 V		CKR05	C230
51	100 nF	Cap, cer, 10%, 100 V		CKR06	C101-C105, C130-C132,C201-C213,C215,C216,C225,C259-C263, C267-C270,C272,C301,C303-C305,C323-C325, C331-C333,C341-C345,C401,C409
4	330 nF	Cap, tant, 10%, 75 V		CSS13A	C214,C266, C271,C302
1	4.7 uF	Cap, tant, 10%, 10 V		CSS13A	C110
4	6.8 uF	Cap, tant, 10%, 35 V		CSS13B	C423-C426
3	220 uF	Cap, tant, 10%, 10 V		CSS13D	C420-C422
0	HDR2X8	Connector, 2x8 header			J101,J301
1	SND15F5000G	Connector, 15-skt	Positronic		J3
1	SND15M5000G	Connector, 15-pin	Positronic		J7
1	SDD15M4000G	Connector, 15-pin	Positronic		J2
1	KA62	Connector, KA62/127CPV9FCTAH	Hypertronics		J18
1	SDD62M4000G	Connector, 62-pin	Positronic		J5
1	KS135	Connector, KS135/127FEFN4TA	Hypertronics		J52
3	1N4148	Diode, small signal		DO-35	D101,D202, D203
3	1N5711	Diode, Schottky barrier		DO-7	D201,D204, D301
a/r		Fasteners & miscellaneous			
1		HW, frame			
2		HW, spacer, G-10, 0.063x0.35x0.77			@J52
1	A1280A	IC, FPGA, DPUGLU	Actel	CQFP-172	U102
1	A1280A	IC, FPGA, DPUPWR	Actel	CQFP-172	U301
1	LM139	IC, Quad comparator	Motorola	DIP14	U401
1	HS9-26CT31MSR	IC, RS-422 quad drvr	Harris	FP16	U104
1	HS9-26CT32MSR	IC, RS-422 quad rcvr	Harris	FP16	U103
5	28C010TRP	IC, EEPROM, 128K*8, 150 ns	SEI	FP32	U203-U207
2	R29793SM	IC, PROM, 8Kx8, 125 ns	Raytheon	DIP24.3	U201,U202
1	OP-43AJ	IC, Op Amp, fast slew	AD	TO-99	U217
5	HS-508	IC, 8-ch analog mux	Harris	FP16	U209-213
1	54AC14	IC, Hex Schmitt trig inv		DIP14	U409
2	AD584TH	IC, Voltage ref	AD	TO-99	U214,U302
1	HX6228TBRC	IC, SRAM, 128Kx8, 25 ns	Honeywell	FP32	U208
4	AD648TQ	IC, Dual Op Amp	AD	DIP8	U215, U303-U305
1	MP7695SD	IC, ADC, 10-bit, 500 ns	Micropower	DIP24.3	U216
1	80C85	IC, CPU, HS1-80C85RH-Q	Harris	FP42	U101
1	MCM1973-1M	IC, Osc, 31.457280 MHz		DIP14	U105
7	Bead	Inductor, ferrite bead		5659065-3E2A	L201,L202, L401-L405

Qty	Item	Description	Mfgr	Pkg	Ref.
5	100 ohm	Resistor,film,1%,50 mW		RNC50	R102-R105, R226
2	332 ohm	Resistor,film,1%,50 mW		RNC50	R201,R202
3	511 ohm	Resistor,film,1%,50 mW		RNC50	R460-R462
2	2.000 kohm	Resistor,film,0.05%,300 mW		RNC90Y	R220,R221
2	5.11 kohm	Resistor,film,1%,50 mW		RNC50	R211,R225
5	10 kohm	Resistor,film,1%,50 mW		RNC50	R213,R475, R477,R479,R481
1	16.00 kohm	Resistor,film,0.01%,300 mW		RNC90Y	R222
1	20.00 kohm	Resistor,film,0.01%,300 mW		RNC90Y	R224
2	100 kohm	Resistor,film,1%,50 mW		RNC50	R101,R106
1	130 kohm	Resistor,film,1%,50 mW		RNC50	R223
2	249 kohm	Resistor,film,1%,250 mW		RLR07	R472,R473
4	1 Mohm	Resistor,film,1%,250 mW		RLR07	R474,R476, R478,R480
2	9.09 Mohm	Resistor,film,1%,250 mW		RLR07	R470,R471
1	120 ohm	Resistor net,ISO,2%,480 mW		SIP8	RN103
6	10 kohm	Resistor net,COM,1%,600 mW		SIP10	RN101,RN102, RN302,RN403,RN405,RN406
5	R0030A	Resistor net,R-2R ladder,1%		SIP10	RN303-RN307
4	1 Mohm	Resistor net,COM,2%,600 mW		SIP10	RN401,RN402, RN404,RN407
1	S311P18-08S7R6	Thermistor, NTC, YSI 10 kohm @ 25 C, 0.56%			R212
4	2N2222A	Transistor, NPN		TO-18	Q203-Q205, Q301
2	2N2907A	Transistor, PNP		TO-18	Q201,Q202

Rev. Date    Description

D	981208	Add U217; add value of R223.
C	980715	R470-R473 was 3.9 Mohm; U103,U104 were DIP16; minor description changes.
B	980709	Add D204; D201 was 1N751A; R224 was 14.70 kohm; add RN407; add U215; add C215, C272; add R471-R473, R477-R481.
A	970909	Revised per schematic Rev. B.
P2	970415	Revised per current breadboard.
P1	970313	Created from Breadboard Parts List Rev P5.

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