

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
2	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	8017	HW, frame	UCB		
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	AM26C31MWB	IC, RS-422 quad drvr	AMD	FP16	U104
1	AM26C32MWB	IC, RS-422 quad rcvr	AMD	FP16	U103
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
5	HN58C1001FP-15	IC,EEPROM,128K*8,150 ns	Hit	SOP32	U203-U207
2	AD584TH	IC, Voltage ref	AD	TO-99	U214,U302
1	IDT71024S20Y	IC, SRAM, 128Kx8, 20 ns	IDT	SOJ32	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	OSC	IC, Osc, 31.457280 MHz		DIP14	U105
7	Bead	Inductor, ferrite bead + 3 turns #26 AWG + shrink tubing		5659065-3E2A	L201,L202,

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
2	249 kohm	Resistor, film, 1%, 250 mW		RLR07	R472, R473
1	261 kohm	Resistor, film, 1%, 50 mW		RNC50	R223
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 m		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, 10 kohm @ 25 C	YSI		R212
4	2N2222A	Transistor, NPN		TO-18	Q203-Q205, Q301
2	2N2907A	Transistor, PNP		TO-18	Q201, 202

REVISIONS

Rev. Date Description

E	981208	Add U217; R470-R473 were 4 Mohm; add R223 value.
D	980709	Add D204; D201 was 1N751A; R224 was 14.70 kohm.
C	980430	Add U401-related parts; add U215
B	971113	Update memory, RS-422, and connector info.
A	970912	Copied from flight BOM; matches Schematic Rev. B.

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