

P/L		REV : 2/22/03						
Item	Qty Per	Reference	Manufacturer	Manuf PN	DK PN	Future FAI PN	CROSS OK?	Description
1	1	U5	NJR	NJM7805FA	NJM7805FA-ND		ANY	9 volt regulator (Note: Originally swapped with 2)
2	1	U12	Any	NJM7809FA	NJM7809FA-ND		ANY	5 volt regulator (Note: Originally swapped with 1)
3	1	Q2					N/A	Not Populated
4	1	U11	Fairchild	MM74HC138N	MM74HC138N-ND		ANY	3-TO-8 LINE DECODER/DEMUX
5	6	U2-4 U7-9	Fairchild	MM74HC374N	MM74HC374N-ND		ANY	OCTAL D-TYPE FLIP-FLOP
6	1	U13	cui stack	CEM-1206S	102-1155-ND		QUAL	Piezo buzzer - 6.5 MM LS
7	2	C1-2	BC COMPONENTS	K270J15C0GF5TH5	BC1036CT-ND		ANY	.33pf ceramic cap CENTERS: 200
8	16	C3-13 C16 C19 C20 C33 C17	BC COMPONENTS	K104K15X7RF5TL2	BC1084CT-ND		ANY	DECOUP CAP RADIAL CENTERS: 1 .1uf Cer Cap 50V Y5V or X7R
9	1	C34	PANASONIC	BR2325-1HB	P142-ND		ANY	Battery - 165MAH 23MM lithium w legs
10	3	C21-23	PANASONIC	ECA-1EHG471	P5543-ND		ANY	ELECTROLYTIC RADIAL CAP, 0.2" PIN SPACE, 0.4" DIA 470uf 25v
11	5	C14 C18 C24-26	PANASONIC	ECE-A1HKA0R1	P820-ND		NO	.1 uf electrolytic tantalum replacements
12	1	C27					N/A	Not Populated
13	1	C28	BC COMPONENTS	K101J15C0GF5TL2	BC1013CT-ND		ANY	100 pf capacitor - Ceramic - 50V +/- 10%
14	1	J2	Amp	555164-1	A9044-ND		NO	AMP 8 way modular jack Horiz flangeless with panel stop
15	1	J1	Amp	640457-5	A19481-ND		ANY	GENERIC 5 PIN SIP HEADER .100 CENTERS
16	1	J5	cui stack	PJ-102A	CP-102A-ND		NO	3 pin power jack
17	1	D1	GENERAL SEMI	1N4004	1N4004GICT-ND		ANY	Power Diode
18	1	D2	DIODES INC	SA20A-T	SA20ADICT-ND		ANY	TVS diode
19	1	U29	ST MICRO	M41T56M6		M41T56BN6	NO	Real Time Clock - 8 pin SO
20	4	JMP1-4					N/A	Not Populated
21	30	D35 LED1-6 LED9-32	Lite On - or Fairchild	LTL-30EHJ, MV5437	160-1057-ND, MV5437-ND		QUAL	bi color 3 lead LED (Lite On or Fairchild) sub-on-qual
22	1	U1 (in socket)	Microchip	PIC16F876-04/SP	PIC16F876-04/SP-ND	PIC16F876-04/SP	NO	Micro (Note: Supplied by Blake programmed)
23	1	U6	Raychem	RXE185	RXE185-ND		QUAL	020 RESETABLE POLYFUSE sub-on-qual
24	1	R18	Panasonic	EXC-ELSA35	P9820BK-ND		ANY	ferrite bead
25	7	R6 R10-R14, R36	YAGEO	CFR-12JB-10K	10KEBK-ND		ANY	10K Resistors 1/8 5%
26	1	R20	N/A	N/A	N/A	N/A	ANY	jumper wire
27	2	R15, R16	YAGEO	CFR-12JB-10	10EBK-ND		ANY	10 ohm Resistor 1/8 watt 5%
28	2	R17 R22					N/A	Not Populated
29	1	R21	Panasonic	EXC-ELSA35	M9820BK-ND		ANY	ferrite bead
30	1	R23	YAGEO	CFR-12JB-1K1	1.1KEBK-ND		ANY	1.0K Resistor 1/8 5%
31	3	R19, R37, R38	YAGEO	CFR-12JB-680R	680EBK-ND		ANY	680 ohm resistor 1/8 5%
32	1	R9	CTS	770101103	770-101-R10K-ND		ANY	SIP RESISTOR 10 PINS 9 RESISTORS TO +5V
33	2	R7-8	CTS	77083102	770-83-R1K-ND		ANY	SIP RESISTOR 8 PINS 4 ISOLATED RESISTORS - 1k
34	4	R1-4	CTS	77083221	770-83-R220-ND		ANY	SIP RESISTOR 8 PINS 4 ISOLATED RESISTORS - 220 ohm
35	2	R24-R25	CTS	77083082	770-83-R83-ND		ANY	SIP RESISTOR 8 PINS 4 ISOLATED RESISTORS - 82 ohm
36	1	U14	Maxim, Ad, Litech, Sipex	MAX208CNG	MAX208CNG-ND	SP208CP	QUAL	
37	29	S1-5 S9-32	ESwitch	520.02-RED	EG1415-ND		QUAL	
38	3	S6-8					N/A	Not Populated
39	1	U10	Toshiba or cross	TD62083AP(J,S)	TD62083AP-ND		QUAL	500 MA LAMP DRIVER CIRCUIT 18 PIN DIP
40	1	X2	CITIZEN	CFS308-32.768KDZF	300-1001-ND		ANY	CRYSTAL 32.768 khz
41	1	X1	CITIZEN	HC49US8.00MABJ	300-6017-ND		ANY	CRYSTAL 8 mhz hc49 US
42	4	Under heat sink	AAV/D THERMALLOY	577102B00000	HS106-ND		ANY	Heatsink under each of 2 to220 packages (Both Board Side)
43	4	D35 LED1-6 LED9-32	Bergquist	KA10-51	BER196-ND		ANY	Heat Sink pads - Electrically insulative, thermally conductive
44	30	Under heat sink	BIVAR - OPTO	ELM3-100			ANY	LED spacers installed under each LED - 3 lead x .100 LS x .100 tall
45	2	Under heat sink	KEYSTONE		H346-ND		ANY	4-40 x .5" Phillips screws - Heat Sink
46	2	Under heat sink	KEYSTONE		H216-ND		ANY	4-40 nuts
47	1	U1 (stuffed in board)	MILL-MAX	110-99-328-41-001	ED3128-ND		QUAL	28 pin narrow dip socket (NOTE SOLDER TO BACK OF BOARD)
48	1	U21	Fairchild	MSQC4411C	67-1531-ND		NO	Clock Module - Green
49	9	4-40 x 3/8	KEYSTONE		H781-ND		ANY	4-40 x 3/8 Phillips screws - Board to case
50	1	U21 (Under LED Clock)	MILL-MAX	110-99-316-41-001	ED3116-ND		ANY	16 pin DIP socket - under LED
51	1	U27	Fairchild	MM74HC595N	MM74HC595N-ND	PIC16C505-04/P	ANY	Shift Register
52	1	U25	Microchip	PIC16C505-04/P	PIC16C505-04/P-ND		NO	Micro (Note: Supplied by Blake programmed)
53	1	Board			Zoom200F		NO	
54	1	Decal					NO	
55	1	FRONT CASE					NO	
56	1	REAR BACKPANEL					NO	
57	1	UPPER BRACKET					NO	
58	1	LOWER BRACKET					NO	
59	1	ANTENNA					TBD	
60	4	SQUARE NUTS					ANY	
61	4	SCREWS					ANY	
62	1	LONG 1/4 20 SCREW					ANY	
63	8	Front panel to rear panel	keystone		H781-ND		ANY	4-40 x 3/8 phillips screws - rear panel to front panel
64	4	Rubber Feet	3-M		SJ5007-0-ND		ANY	Rubber feet for the Upper and Lower Brackets
65	1	Transmitter			TECNET SDU-2000		NO	Make sure DB9 is right polarity
66	1	BNC TWIST ON CONN	AMP	414265-3	A24483-ND		ANY	RG85A/U 50 Ohm twist on connector
67	1	BNC CABLE	alpha	9058AC	A305-100-ND		any	RG85A/U 50 Ohm
68	1	BNC BULKHEAD CONN	AMP		227755-2		any	BNC solder recept - short
69	1	5 PIN .100 SHELL			A19493-ND		any	5 pin header conn receptical .100 mil x 5
70	1	9 WIRE 5' IDC WIRE			R012-5-ND		any	IDC cable - 9 wire
71	1	IDC CONNECTOR 9 DSUB	AMP		AMS09G-ND		any	Male - watch because transmitters can be either male or female!
72	4	CRIMP CONNECTORS			WM2200-ND		any	
73	2	Wall Anchors					ANY	
74	1	WALL TRANSFORMER					ANY	1.5A 12Vdc - Center Positive
75	1	Assy					ANY	
76								Total