

FOCE Environmental Board Revised: Monday, July 27, 2009									
Revision: 0									
Item	Quantity	Reference	Value	Manufacturer	Manuf PN	Supplier	Supplier PN	Description	Part Name
1	1	C1	50pF	Yageo	CC1206JRNPO9BN510	Digikey	311-1219-1-ND	COG 5% 50V 50pF	
2	5	C2	0.1uF	Panasonic-ECG	ECJ-3VB1E104K	Digikey	PCC1883CT-ND	X7R 10% 25V 0.1uF	
		C3	0.1uF	Panasonic-ECG	ECJ-3VB1E104K	Digikey	PCC1883CT-ND	X7R 10% 25V 0.1uF	
		C4	0.1uF	Panasonic-ECG	ECJ-3VB1E104K	Digikey	PCC1883CT-ND	X7R 10% 25V 0.1uF	
		C5	0.1uF	Panasonic-ECG	ECJ-3VB1E104K	Digikey	PCC1883CT-ND	X7R 10% 25V 0.1uF	
		C7	0.1uF	Panasonic-ECG	ECJ-3VB1E104K	Digikey	PCC1883CT-ND	X7R 10% 25V 0.1uF	
3	1	C6	0.33uF	AVX Corp	TAJA334K035RNJ	Digikey	478-2338-1-ND	35V Tant TAJ Series	
4	1	HUM1	CHS-UPS	TDK Corp	CHS-UPS	Digikey	445-2578-ND	Humidity Sensor	
5	1	J1	CONN SOCKET 3	Molex	70543-0002	Digikey	WM4801-ND	3-Pin Vert Header	EXT HUM #1
6	1	J2	CONN SOCKET 3	Molex	70543-0002	Digikey	WM4801-ND	3-Pin Vert Header	EXT HUM #2
7	1	J3	CONN SOCKET 3	Molex	70543-0002	Digikey	WM4801-ND	3-Pin Vert Header	EXT HUM #3
8	1	J4	CONN SOCKET 3	Molex	70543-0002	Digikey	WM4801-ND	3-Pin Vert Header	EXT HUM #4
9	1	J5	CONN SOCKET 12	Molex	70543-0011	Digikey	WM4810-ND	12-Pin Vert Header	ANALOG
10	1	J6	CONN SOCKET 4	Molex	70543-0003	Digikey	WM4802-ND	4-Pin Vert Male Header	SENSORAY
11	1	J7	CONN 2	Molex/Waldon	70543-0001	Digikey	WM4800-ND	2-Pin Vert Male Header	H2O SENSOR #1
12	1	J8	CONN 2	Molex/Waldon	70543-0001	Digikey	WM4800-ND	2-Pin Vert Male Header	H2O SENSOR #2
13	1	J9	CONN 2	Molex/Waldon	70543-0001	Digikey	WM4800-ND	2-Pin Vert Male Header	H2O SENSOR #3
14	1	J10	CONN 2	Molex/Waldon	70543-0001	Digikey	WM4800-ND	2-Pin Vert Male Header	H2O SENSOR #4
15	1	J11	CONN SOCKET 6	Molex	70543-0005	Digikey	WM4804-ND	6-pos Vert Header	DIGITAL
16	1	J12	CONN 2	Phoenix	1881448	Digikey	277-1441-ND	2-Pin Right Angle Male Header	POWER
17	1	MOD1	Model 1451	Measurement Specialties	1451-050A-W	Digikey	MSP6810-ND	SMD Pressure Sensor 0-50PSI Absolute	
18	1	P1	PLUG 3	Molex	50-57-9403	Digikey	WM2901-ND	3-Pin Vert Header	EXT HUM #1 PLUG
19	1	P2	PLUG 3	Molex	50-57-9403	Digikey	WM2901-ND	3-Pin Vert Header	EXT HUM #2 PLUG
20	1	P3	PLUG 3	Molex	50-57-9403	Digikey	WM2901-ND	3-Pin Vert Header	EXT HUM #3 PLUG
21	1	P4	PLUG 3	Molex	50-57-9403	Digikey	WM2901-ND	3-Pin Vert Header	EXT HUM #4 PLUG
22	1	P5	PLUG 12	Molex	50-57-9412	Digikey	WM2910-ND	12-Pin Female Plug	ANALOG PLUG
23	1	P6	PLUG 4	Molex	50-57-9404	Digikey	WM2902-ND	4-Pin Female Plug	SENSORAY PLUG
24	1	P7	PLUG 2	Molex/Waldon	50-57-9402	Digikey	WM2900-ND	2-Pin Female Plug	H2O SENSOR #1 PLUG
25	1	P8	PLUG 2	Molex/Waldon	50-57-9402	Digikey	WM2900-ND	2-Pin Female Plug	H2O SENSOR #2 PLUG
26	1	P9	PLUG 2	Molex/Waldon	50-57-9402	Digikey	WM2900-ND	2-Pin Female Plug	H2O SENSOR #3 PLUG
27	1	P10	PLUG 2	Molex/Waldon	50-57-9402	Digikey	WM2900-ND	2-Pin Female Plug	H2O SENSOR #4 PLUG
28	1	P11	PLUG 6	Molex	50-57-9406	Digikey	WM2904-ND	6-pos Female Plug	DIGITAL PLUG
29	1	P12	PLUG 2	Phoenix	1881325	Digikey	277-1430-ND	2-Pin Female Plug	POWER PLUG
30	1	R1	10.0K 1%	Panasonic-ECG	ERJ-8ENF1002V	Digikey	P10.0KFCT-ND	0.25W 1% ERJ Series	
31	1	R2	40.2K 1%	Panasonic-ECG	ERJ-8ENF4022V	Digikey	P40.2KFCT-ND	0.25W 1% ERJ Series	
32	1	R3	100K 1%	Panasonic-ECG	ERJ-8ENF1003V	Digikey	P100KFCT-ND	1% 100ppm 0.25W	
33	1	R4	1.24K 1%	Panasonic-ECG	ERJ-8ENF1241V	Digikey	P1.24KFCT-ND	1% 100ppm 0.25W	
34	1	R5	10.2K 1%	Panasonic-ECG	ERJ-8ENF1002V	Digikey	P10.0KFCT-ND	0.25W 1% ERJ Series	
35	1	R6	160K 1%	Panasonic-ECG	ERJ-8ENF1603V	Digikey	P160KFCT-ND	0.25W 1% ERJ Series	
36	8	R7	2200	Panasonic-ECG	ERJ-8GEYJ222V	Digikey	P2.2KECT-ND	5% 200ppm 0.25W	
		R8	2200	Panasonic-ECG	ERJ-8GEYJ222V	Digikey	P2.2KECT-ND	5% 200ppm 0.25W	
		R13	2200	Panasonic-ECG	ERJ-8GEYJ222V	Digikey	P2.2KECT-ND	5% 200ppm 0.25W	
		R14	2200	Panasonic-ECG	ERJ-8GEYJ222V	Digikey	P2.2KECT-ND	5% 200ppm 0.25W	
		R15	2200	Panasonic-ECG	ERJ-8GEYJ222V	Digikey	P2.2KECT-ND	5% 200ppm 0.25W	
		R16	2200	Panasonic-ECG	ERJ-8GEYJ222V	Digikey	P2.2KECT-ND	5% 200ppm 0.25W	
		R17	2200	Panasonic-ECG	ERJ-8GEYJ222V	Digikey	P2.2KECT-ND	5% 200ppm 0.25W	
		R18	2200	Panasonic-ECG	ERJ-8GEYJ222V	Digikey	P2.2KECT-ND	5% 200ppm 0.25W	
37	4	R9	1000	Panasonic-ECG	ERJ-8GEYJ102V	Digikey	P1.0KECT-ND	5% 200ppm 0.25W	
		R10	1000	Panasonic-ECG	ERJ-8GEYJ102V	Digikey	P1.0KECT-ND	5% 200ppm 0.25W	
		R11	1000	Panasonic-ECG	ERJ-8GEYJ102V	Digikey	P1.0KECT-ND	5% 200ppm 0.25W	
		R12	1000	Panasonic-ECG	ERJ-8GEYJ102V	Digikey	P1.0KECT-ND	5% 200ppm 0.25W	
38	1	TP1	Test Point	Keystone	5014	Digikey	5014K-ND	Yellow	RAW HUM
39	1	TP2	Test Point	Keystone	5012	Digikey	5012K-ND	White	HUMIDITY
40	1	TP3	Test Point	Keystone	5013	Digikey	5013K-ND	Orange	EXT HUM #1
41	1	TP4	Test Point	Keystone	5014	Digikey	5014K-ND	Yellow	EXT HUM #2
42	1	TP5	Test Point	Keystone	5012	Digikey	5012K-ND	White	EXT HUM #3
43	1	TP6	Test Point	Keystone	5013	Digikey	5013K-ND	Orange	EXT HUM #4
44	1	TP7	Test Point	Keystone	5012	Digikey	5012K-ND	White	PRESSURE
45	1	TP8	Test Point	Keystone	5013	Digikey	5013K-ND	Orange	H2O #1
46	1	TP9	Test Point	Keystone	5014	Digikey	5014K-ND	Yellow	H2O #2
47	1	TP10	Test Point	Keystone	5012	Digikey	5012K-ND	White	H2O #3
48	1	TP11	Test Point	Keystone	5013	Digikey	5013K-ND	Orange	H2O #4
49	1	TP12	Test Point	Keystone	5010	Digikey	5010K-ND	Red	5V
50	4	TP13	Test Point	Keystone	5011	Digikey	5011K-ND	Black	GROUND
		TP14	Test Point	Keystone	5011	Digikey	5011K-ND	Black	GROUND
		TP15	Test Point	Keystone	5011	Digikey	5011K-ND	Black	GROUND
		TP16	Test Point	Keystone	5011	Digikey	5011K-ND	Black	GROUND
51	2	U1	AD8603	Analog Devices	AD8603AUJZ-REEL7	Digikey	AD8603AUJZREEL7CT-ND	Single Op Amp	
		U3	AD8603	Analog Devices	AD8603AUJZ-REEL7	Digikey	AD8603AUJZREEL7CT-ND	Single Op Amp	
52	1	U2	LT1034-1.2	Linear Tech	LT1034CS8-1.2#PBF	Digikey	LT1034CS8-1.2#PBF-ND	1.225V Ref	
53	1	U4	INA321	Texas Instruments	INA321EA/250	Digikey	INA321EACT-ND	Sing Instr Amp	
54	1	U5	MMQ3904	Fairchild	MMPQ3904	Digikey	MMPQ3904FSCT-ND	Quad NPN	
55	1	U6	LM7805	STMicroelectronics	L7805CDT-TR	Digikey	497-7255-1-ND	5V Linear Regulator	