

Sensor 1  
Rev 2a

	Value	Voltage	Case	Mfg	Part Number	Function	Notes
C1	tbd	16v	0805				
C2	470uf	50v	Radial	Nichicon	UPW1H471MHD		
C3	.1uf	16v	0805				
C4	47uf	6.3v	1812				Case: B
C5	tbd	16v	0805				
C6	tbd	16v	0805				
C7	tbd	16v	0805				
C8	tbd	16v	0805				
C9	.1uf	16v	0805				
R1	tbd		0805				
R2	tbd		0805				
R3	tbd		0805				
R4	tbd		0805				
R5	tbd		0805				
R6	tbd		0805				
R7	tbd		0805				
R8	tbd		0805				
R9	tbd		0805				
R10	10k		0805				
R11	10k		0805				
R12	10k		0805				
R13	560		0805				
R14	560		0805				
R15	560		0805				
R16	560		0805				
R17	560		0805				
R18	10k		0805				
U1			SOIC-14	TI or Equiv	SN74AHC14D	Hex Schmitt-Trigger Inverters	
U2				Pololu	D24V6F5	DC-DC Converter 5V, 600ma	Use U2 or U3
U3			TO252	TI	TL720M05-Q1	LDO, 5V, 70ma	Use U2 or U3
U4				Microchip	MCP9800A1	Temperature Sensor	
U5					Moteinio	With RFM69HW Radio 915Mhz	
U6				silabs	Si7021	Temperature Humidity Sensor	
D1	1A	100V	SDIP	Fairchild	DF01S	Bridge	
D2	1A	40V	SOD123	Diode Inc	MBR140SFT1G	Schottky Diode	
D3			SOT23		MMBT4148	Diode	
D4	1A	40V	SOD123	Diode Inc	MBR140SFT1G	Schottky Diode	
D5	1A	40V	SOD123	Diode Inc	MBR140SFT1G	Schottky Diode	
D6			0805	Lite-On	LTST-C171YKT	LED, Yellow	
D7			0805	Lite-On	LTST-C171YKT	LED, Yellow	
D8			0805	Lite-On	LTST-C171YKT	LED, Yellow	
D9			0805	Lite-On	LTST-C171YKT	LED, Yellow	
D10			0805	Lite-On	LTST-C171GKT	LED, Green	
K1					Aromat/Panasonic	DS1E-S-DC5V	
K2					Aromat/Panasonic	DS1E-S-DC5V	
F1	150ma	60V			MINISMD014F-2	PTC Fuse	
F2	50ma	16V			<u>MICROSMD005F-2</u>	PTC Fuse	
J1				Kobiconn	P02EK381V2-E	2pin, .15in spacing	
J2				Kobiconn	P02EK381V8-E	8pin, .15in spacing	
J3				Kobiconn	P02EK381V6-E	6pin, .15in spacing	
Q1	5A	20V	SOT23	IR	IRLML6244TR	N-FET	
Q2	5A	20V	SOT23	IR	IRLML6244TR	N-FET	
Case				Hammond	1554CGY	Case, Water proof	