

P13417 Human Generated Power for B9 Water Maker

Budget \$ 800.00

Percent Used Overall 46%
 Remaining 54%

Item	Part Number	Part Description	Vendor	Unit Price	Quantity	Extended Price	Date	Estimated Shipping Costs (10%)	Actual Shipping Costs	Ordered by
1	8975K562	2" X 3" X 6" 6061 Aluminum Alloy	McMaster-Carr	\$ 29.41	2	\$ 58.82	12/13/12	\$ 5.88		Nick Higgins
2	8975K533	3/16" X 2" X 36" 6061 Aluminum Alloy	McMaster-Carr	\$ 13.32	1	\$ 13.32	12/13/12	\$ 1.33		Nick Higgins
3	202760	1/2" x 4' x 8' Pine Sheathing Plywood	LOWE's	\$ 34.97	1	\$ 34.97	12/13/12	0		Nick Higgins
4	202755	3/4" x 4' x 8' Pine Sheathing Plywood	LOWE's	\$ 41.97	1	\$ 41.97	12/13/12	0		Nick Higgins
5	19386	1" (diameter) x 4' (length) Poplar Round Dowel	LOWE's	\$ 3.24	1	\$ 3.24	12/13/12	0		Nick Higgins
6	356492	Encore Plastics 5-Gallon LOWE'S bucket	LOWE's	\$ 3.97	3	\$ 11.91	12/13/12	0		Nick Higgins
					Totals	\$ 164.23		\$ 7.21	\$ 6.56	170.79
										% of Budget used 21%

1	511-4011	2-Inputs NAND	Mouser Electronics	\$ 0.49	2	\$ 0.98	12/21/12	\$ 0.10		Trang Pham & Jordan Lahanas
2	579-MCP604IP	Operational Amplifiers	Mouser Electronics	\$ 0.66	2	\$ 1.32	12/21/12	\$ 0.13		Trang Pham & Jordan Lahanas
3	859-LTL353TGK	Hi-Output Green LED	Mouser Electronics	\$ 0.86	2	\$ 1.72	12/21/12	\$ 0.17		Trang Pham & Jordan Lahanas
4	P5567-ND	10uF Cap	Digi-Key Corporation	\$ 0.23	5	\$ 1.15	12/21/12	\$ 0.12		Trang Pham & Jordan Lahanas
5	P5599-ND	330uF Cap	Digi-Key Corporation	\$ 1.49	5	\$ 7.45	12/21/12	\$ 0.75		Trang Pham & Jordan Lahanas
6	P5544-ND	1000uF Cap	Digi-Key Corporation	\$ 0.74	5	\$ 3.70	12/21/12	\$ 0.37		Trang Pham & Jordan Lahanas
7	MBR3100RLGOSCT-ND	Diode	Digi-Key Corporation	\$ 0.69	2	\$ 1.38	12/21/12	\$ 0.14		Trang Pham & Jordan Lahanas
8	1N914B-ND	Rectifier Diode	Digi-Key Corporation	\$ 0.06	10	\$ 0.62	12/21/12	\$ 0.06		Trang Pham & Jordan Lahanas
9	1N5373BGOS-ND	Diode	Digi-Key Corporation	\$ 0.53	4	\$ 2.12	12/21/12	\$ 0.21		Trang Pham & Jordan Lahanas
10	67-1102-ND	Red LED	Digi-Key Corporation	\$ 0.39	3	\$ 1.17	12/21/12	\$ 0.12		Trang Pham & Jordan Lahanas
11	67-1087-ND	Green LED	Digi-Key Corporation	\$ 0.54	3	\$ 1.62	12/21/12	\$ 0.16		Trang Pham & Jordan Lahanas
12	1RF9540PBF-ND	P-HEXFET	Digi-Key Corporation	\$ 1.72	4	\$ 6.88	12/21/12	\$ 0.69		Trang Pham & Jordan Lahanas
13	332XBK-ND	332 Ohms Resistor	Digi-Key Corporation	\$ 0.08	10	\$ 0.82	12/21/12	\$ 0.08		Trang Pham & Jordan Lahanas
14	348XBK-ND	3.48k Ohms Resistor	Digi-Key Corporation	\$ 0.08	10	\$ 0.82	12/21/12	\$ 0.08		Trang Pham & Jordan Lahanas
15	10.0KXBK-ND	10k Ohms Resistor	Digi-Key Corporation	\$ 0.06	25	\$ 1.42	12/21/12	\$ 0.14		Trang Pham & Jordan Lahanas
16	182kXBK-ND	182k Ohms Resistor	Digi-Key Corporation	\$ 0.08	10	\$ 0.82	12/21/12	\$ 0.08		Trang Pham & Jordan Lahanas
17	665XBK-ND	665 Ohms Resistor	Digi-Key Corporation	\$ 0.08	10	\$ 0.82	12/21/12	\$ 0.08		Trang Pham & Jordan Lahanas
18	526XBK-ND	562 Ohms Resistor	Digi-Key Corporation	\$ 0.08	10	\$ 0.82	12/21/12	\$ 0.08		Trang Pham & Jordan Lahanas
19	490-2913-ND	10k Pot	Digi-Key Corporation	\$ 1.51	2	\$ 3.02	12/21/12	\$ 0.30		Trang Pham & Jordan Lahanas
20	296-1389-5-ND	Comparator	Digi-Key Corporation	\$ 0.62	2	\$ 1.24	12/21/12	\$ 0.12		Trang Pham & Jordan Lahanas
21	497-1009-ND	Regulator	Digi-Key Corporation	\$ 0.45	2	\$ 0.90	12/21/12	\$ 0.09		Trang Pham & Jordan Lahanas
22	LM393AN-ND	Comparator	Digi-Key Corporation	\$ 0.42	2	\$ 0.84	12/21/12	\$ 0.08		Trang Pham & Jordan Lahanas
23	296-1393-5-ND	Comparator	Digi-Key Corporation	\$ 0.53	2	\$ 1.06	12/21/12	\$ 0.11		Trang Pham & Jordan Lahanas
24	LM78L05ACZNS-ND	Regulator	Digi-Key Corporation	\$ 0.65	2	\$ 1.30	12/21/12	\$ 0.13		Trang Pham & Jordan Lahanas
25	1N914-TPCT-ND	Diode	Digi-Key Corporation	\$ 0.21	2	\$ 0.42	12/21/12	\$ 0.04		Trang Pham & Jordan Lahanas
26	605HR100E-ND	0.1 Ohm Shunt	Digi-Key Corporation	\$ 0.52	2	\$ 1.04	12/21/12	\$ 0.10		Trang Pham & Jordan Lahanas
27	1.82KXBK-ND	1.82k Ohms Resistor	Digi-Key Corporation	\$ 0.10	2	\$ 0.20	12/21/12	\$ 0.02		Trang Pham & Jordan Lahanas
28	2.74KXBK-ND	2.74k Ohms Resistor	Digi-Key Corporation	\$ 0.10	2	\$ 0.20	12/21/12	\$ 0.02		Trang Pham & Jordan Lahanas
29	100KXBK-ND	100k Ohms Resistor	Digi-Key Corporation	\$ 0.08	10	\$ 0.82	12/21/12	\$ 0.08		Trang Pham & Jordan Lahanas
30	150KXBK-ND	150k Ohms Resistor	Digi-Key Corporation	\$ 0.10	2	\$ 0.20	12/21/12	\$ 0.02		Trang Pham & Jordan Lahanas
31	490-2875-ND	10k Pot	Digi-Key Corporation	\$ 1.51	4	\$ 6.04	12/21/12	\$ 0.60		Trang Pham & Jordan Lahanas
32	BC1148CT-ND	0.1uF Cap	Digi-Key Corporation	\$ 0.44	4	\$ 1.76	12/21/12	\$ 0.18		Trang Pham & Jordan Lahanas
33	493-1862-ND	150uF Cap	Digi-Key Corporation	\$ 0.48	2	\$ 0.96	12/21/12	\$ 0.10		Trang Pham & Jordan Lahanas
34	553-1555-ND	Inductor	Digi-Key Corporation	\$ 4.50	2	\$ 9.00	12/21/12	\$ 0.90		Trang Pham & Jordan Lahanas
35	FOD817B-ND	Photoisolator	Digi-Key Corporation	\$ 0.44	2	\$ 0.88	12/21/12	\$ 0.09		Trang Pham & Jordan Lahanas
36	ZTX603-ND	NPN Transistor	Digi-Key Corporation	\$ 0.92	2	\$ 1.84	12/21/12	\$ 0.18		Trang Pham & Jordan Lahanas
					Total	\$ 66.03		\$ 6.74	23.32	\$ 89.35
										% of Budget used 11%

1	579-MCP604IP	Operational Amplifiers	DigiKey Corporation	\$ 0.66	2	\$ 8.52	12/21/12		7.2	Trang Pham & Jordan Lahanas
									\$ 15.72	
										% of Budget used 2%

1 RS-550	DC motor - 12 V, 100 mNm, Shaft length (A: 45-75n	Shenzhen Chengfang Electric Mac	\$ 5.00	6	\$ 30.00	1/18/13	\$ 3.00	Trang Pham	
2 RS-987	DC motor - 12 V, 400 mNm, Shaft length (A: 45-85n	Shenzhen Chengfang Electric Mac	\$ 15.00	4	\$ 60.00	1/18/13	\$ 6.00	Trang Pham	
Total					\$ 90.00		\$ 9.00		
								% of Budget used	11%

