



# Bill of Materials for CW4TW

Material Costs for Designs shown in Drawings/Schematics

Clean Water for the World Bill of Materials							
Manufacturer	ManufacturersNumber	Footprint	Description	Website	Quantity	Cost per unit	Total cost
Diodes Inc	AP1501	surface	buck	digkey	2	5.94	11.88
Texas Instruments	INA139	SC-74A, SOT-753	current sensor	digkey	2	1.5	3
Pericom	Pi74STX1G08	6-TSSOP	And gate	digkey	1	0.32	0.32
Fairchild Semiconductor	LM555	8-SOIC	timing circuit	digkey	1	0.45	0.45
Texas Instruments	SN74IVC1G79	SC-74A, SOT-753	D-Flipflop	digkey	1	0.44	0.44
Vishay	CMF55165K00FHEB	TH	165k $\Omega$	digkey	2	0.102	0.204
Ohmite	610HR010E	TH	.01 $\Omega$	digkey	2	0.52	1.04
TDK	TSL1315RA-470K3R4-PF	TH	47uH	digkey	2	1.66	3.32
skycap	SR215E104MAR	TH	.1uF	digkey	4	0.15	0.6
Comchip Technology	SB5100E-G	TH	DIODE SCHOTTKY	digkey	2	0.176	0.352
Stackpole Electronics Inc	RNF12FTD1K00	TH	1k $\Omega$	digkey	1	0.165	0.165
Panasonic - ECG	ERD-S1TJ302V	TH	3k $\Omega$	digkey	2	0.0107	0.0214
Vishay	CMF5526K100FHEB	TH	26k	digkey	1	0.102	0.102
skycap	SR215C103JAR	TH	.01uF	digkey	1	0.29	0.29
Kemet	C1210C186K8PACTU	603	.22uf	digkey	1	1.08	1.08
Vishay	CMF551M0000FHEB	TH	1M	digkey	1	0.105	0.105
Toshiba	TC7SZ04F(T5L,F,T)	5-SSOP	inverter	digkey	1	0.48	0.48
Toshiba	2SK4017(Q)	2-7J2B	MOSFET N 5A	digkey	3	0.66	1.98
Toshiba	TC7SZ00F(T5L,F,T)		nand	digkey	1	0.48	0.48
						<b>TOTAL</b>	<b>\$26.31</b>