

Bill of Materials - Sump Electronics PCBA

Revision 2.1

Item	Supplier	Cost	Supplier Part Num	Number Required	Ext. Cost
Prototype Circuit Board, 0.1 grid, 4"x5"	Allied	\$11.80	237-0119	1	\$11.80
Plastic Box (Serpac 131)	Allied	\$5.38	882-1131	1	\$5.38
10 K Ohm Resistor, 1/4W, 5%	Allied	\$0.46	296-5586	1	\$0.46
1 K Ohm Resistor, 1/4W, 5%	Allied	\$0.46	296-5562	1	\$0.46
470 Ohm Resistor, 1/4W, 5%	Allied	\$0.46	296-5548	7	\$3.22
Shift Register (74HCT164N)	Allied	\$0.44	236-1759	1	\$0.44
7-Segment Display	Allied	\$2.71	782-0425	1	\$2.71
Octal Buffer (74HCT244N)	Allied	\$0.31	236-1775	1	\$0.31
Terminal Block 1x2	Allied	\$1.33	409-0111	3	\$3.99
Transistor 2N2222	Allied	\$0.69	248-1004	1	\$0.69
LM78M05CT Regulator, 5V Pos	Allied	\$0.54	288-0004	1	0.54
1N5400 Rectifier Diode	Allied	\$0.18	266-0008	1	\$0.18
Capacitor, 220 uF, 25 VDC	Allied	\$0.14	852-7030	1	\$0.14
1N914 Diode	Allied	\$0.04	431-0618	2	\$0.08
Relay (10A, SPST, 5V)	Allied	\$1.12	788-1079	1	\$1.12
8-pin Microprocessor PIC12F229	Digikey	\$1.68	PIC12F629-I/P	1	\$1.68
Power Supply, 12VDC	Allied	\$15.38	879-0215	1	\$15.38
			Total		\$48.31

Not part of the Circuit Board the following Switch, used for the Target Switch is available from Allied

General Purpose Snap Action Switch	Allied	\$7.32	821-1569	1	\$7.23
Pushbutton Switch for Changing Time	Allied	\$2.15	948-7193	1	\$2.15