

BattleZone Motor
 Jed Margolin 4/30/2019

You can get most of the parts at:

www.taydaelectronics.com

RefDes	Value	Description	Lead Spacing
C1	220uF	Capacitor, Electrolytic	0.2:
C2	0.1	Capacitor, Monolythic Ceramic	0.1"
C3	0.1	Capacitor, Monolythic Ceramic	0.1"
C4	10uF	Capacitor, Electrolytic	0.1"
C5	100uF	Capacitor, Electrolytic	0.2:
C6	0.047uF	Capacitor, Monolythic Ceramic	0.1"
C7	0.1	Capacitor, Monolythic Ceramic	0.1"
C8	1000uF	Capacitor, Electrolytic	0.2:
C9	0.1	Capacitor, Monolythic Ceramic	0.1"
C10	10uF	Capacitor, Electrolytic	0.1"
C11	0.1	Capacitor, Monolythic Ceramic	0.1"
C12	0.1	Capacitor, Monolythic Ceramic	0.1"
C13	0.15	Calacitor, Mylar or MLCC 5%	0.1"
C14	10uF	Capacitor, Electrolytic	0.1"
C15	0.018	Calacitor, Mylar or MLCC 5%	0.1"
C16	0.1	Capacitor, Monolythic Ceramic	0.1"
C17	0.1	Capacitor, Monolythic Ceramic	0.1"
C18	0.1	Capacitor, Monolythic Ceramic	0.1"
C19	0.1	Capacitor, Monolythic Ceramic	0.1"
D1		LED	
R1	220K	Resistor, Carbon Film, 1/4W 5%	
R2	100	Resistor, Carbon Film, 1/4W 5%	
R3	10K	3362P Trimpot	
R4	100K	Resistor, Carbon Film, 1/4W 5%	
R5	10K	Resistor, Carbon Film, 1/4W 5%	
R6	10	Resistor, Carbon Film, 1/4W 5%	
R7	10K	Resistor, Carbon Film, 1/4W 5%	
R8	1.2K	Resistor, Carbon Film, 1/4W 5%	
R9	10K	Resistor, Carbon Film, 1/4W 5%	
R10	10K	Resistor, Carbon Film, 1/4W 5%	
R11	10K	Resistor, Carbon Film, 1/4W 5%	
R12	10K	Resistor, Carbon Film, 1/4W 5%	
R13	10K	Resistor, Carbon Film, 1/4W 5%	
R14	10K	Resistor, Carbon Film, 1/4W 5%	
R15	10K	Resistor, Carbon Film, 1/4W 5%	
R16	220K	Resistor, Carbon Film, 1/4W 5%	
R17	100K	3362P Trimpot	
R18	4.7K	Resistor, Carbon Film, 1/4W 5%	
R19	4.7K	Resistor, Carbon Film, 1/4W 5%	
R20	10K	3362P Trimpot	* Use R20 or R21, not both
R21	10K	RealPot	
SW1	SPDT	SWITCH SPDT	

The SPDT switch pins are on 0.1" centers.
They are really inexpensive on eBay where they are called
"SS12D00G3 2 Position SPDT 1P2T 3 Pin PCB Panel Slide Switch".

U1	7805
U2	LM324N
U3	LM386N-1
U4	74HC161
U5	74HC161
U6	555
U7	74HC04

Miscellaneous	IC Sockets with machine tooled pins
	(2) 8 pin
	(2) 14 pin
	(2) 16 pin

	For the Board	
	(4) M3x18 Nylon Standoffs F-F	eBay
	(4) M3 x 6 Nylon Screws	eBay