

Capacitance Multiplier PSU - Parts BOM			
Fixed Resistors			
R1, R2	10k Ω	2W	
R3, R4, R5, R6	47k Ω	0.25W	
R7, R8, R19, R20	100k Ω	0.25W	
R9, R10	2.2k Ω	0.25W	
R11, R12	220 Ω	0.25W	
R13, R14	22K Ω	0.25W	
R15, R16	100 Ω	0.25W	
R17, R18	68k Ω	0.25W	
Variable Resistors			
VR1, VR2	50k Ω	Bourns 3296W Series or Equivalent	
Aluminum Electrolytic Capacitors			
C1, C2	10,000 μ F; 80V	Up to 40mm \emptyset ; 2 Pin 10mm LS or 4 Pin 22.5mm LS	
C11, C12	4,700 μ F; 80V	Up to 25mm \emptyset ; 2 Pin 7.5mm LS Leaded or 10mm LS Snap-in	
Film Capacitors			
C3, C4, C5, C6	2.2 μ F; 100V	5mm LS	
C7, C8, C9, C10	100nF; 100V	5mm LS	
Diodes			
D1, D2, D3, D4	15A; 200V	2 Pin TO-220; Either Isolated Tab or Non-isolated Tab	
D5, D6	Red LED	2.5mm LS; 5mm \emptyset Body; Regular Non-High Efficiency Type	
Transistors			
Q1, Q3, Q5	KSC1845F	Any ECB Pin-out TO-92 device 100V _{ceo} or greater	
Q2, Q4, Q6	KSA992F	Any ECB Pin-out TO-92 device 100V _{ceo} or greater	
NMOS	FQA32N20C	Any Low R _{dsON} MOSFET with 100V _{ds} or greater	
PMOS	FQA36P15	Any Low R _{dsON} MOSFET with 100V _{ds} or greater	
Aluminum Electrolytic Capacitors - Values are just suggestions. Choose what will fit based on your individual needs.			