

--- Bill of Materials ---											
	Ref.	Mfg.	Part No.	Ratings	Description	Unit Cost	Quantity	Total	Links	Alternative	
603	C1	--	--	> 1 V	capacitor, 470pF	\$0.04	1	\$0.04	http://www.mouser.com/ProductDetail/Wurth-Electronics/885012206081/?qs=sGAEpiMZZMs0AnBnWHyRQEGbLOF2VP1iUxY4rEsri8HMWg98WC%2fLCO%3d%3d		
603	C13,C14	--	--	> 30 V	capacitor, 0.1 uF	\$0.05	2	\$0.10	http://www.mouser.com/ProductDetail/Wurth-Electronics/885012206095/?qs=sGAEpiMZZMs0AnBnWHyRQEGbLOF2VP1i1N%2fmAdFo43gJ7jPpOSZrw%3d%3d		
603	C2,4	--	--	> 2 V	capacitor, 2.2nF	\$0.10	2	\$0.20	http://www.mouser.com/ProductDetail/Murata-Electronics/GRM188R71H222KA01D/?qs=sGAEpiMZZMs0AnBnWHyRQOK8EV8n4V50sERlutiCp0%3d		
603	C3	--	--	> 2 V	capacitor, 100pF	\$0.04	1	\$0.04	http://www.mouser.com/ProductDetail/Wurth-Electronics/885012206077/?qs=sGAEpiMZZMs0AnBnWHyRQEGbLOF2VP1iIEG7bbQIXSBTKrdge3siAA%3d%3d		
EEEEFC_sizeB	C5,7	--	--	> 8 V, > 63 mA rms, > 2.8 A peak	capacitor, 2.2uF	\$0.46	2	\$0.92	http://www.mouser.com/ProductDetail/Nichicon/UHA1H2R2KHD/?qs=MrGV%252b5widLHu%2fuTD7VdJw%3d%3d		
CAP200RP	C6	--	--	> 8 V, > 75 mA rms, > 1.6 A peak	capacitor, 4.7uF	\$0.60	2	\$1.20	http://www.mouser.com/ProductDetail/Nichicon/UCS2V6R8MPD/?qs=sGAEpiMZZMZ1n0r9vR22cDNKFDu5zhSKvgzpey2ziw%3d		
603				^ parallel ceramic cap for 4.7	capacitor, 100pF	\$0.04	1	\$0.04	http://www.mouser.com/ProductDetail/Wurth-Electronics/885012206077/?qs=sGAEpiMZZMs0AnBnWHyRQEGbLOF2VP1iIEG7bbQIXSBTKrdge3siAA%3d%3d		
603	C8	--	--	> 15 V	capacitor, 22uF, (*4)	\$0.25	4	\$1.00	http://www.mouser.com/ProductDetail/Murata-Electronics/GRM188R60J226MEA0D/?qs=sGAEpiMZZMs0AnBnWHyRQE145Nnb6Pjkyo3rf03lmerU%3d		
603	C9,10,15,16	--	--	> 5 V	capacitor, 100pF	\$0.04	4	\$0.16	http://www.mouser.com/ProductDetail/Wurth-Electronics/885012206077/?qs=sGAEpiMZZMs0AnBnWHyRQEGbLOF2VP1iIEG7bbQIXSBTKrdge3siAA%3d%3d		
APSG160ELL561MH	C11	--	--	> 15 V, > 2.859 A rms, > 5.4 A peak	capacitor, 560uF	\$0.90	1	\$0.90	http://www.mouser.com/ProductDetail/United-Chemi-Con/APSG160ELL561MHB5J/?qs=sGAEpiMZZMwF0vD3Y3YB0YelrAivs3WahUQyXXRX2c1IAxp6U1w%3d%3d		
EKZN350ELL331MH	C12	--	--	> 30 V	capacitor, 330 uF	\$0.65	2	\$1.30	http://www.mouser.com/ProductDetail/United-Chemi-Con/EKZN350ELL331MH20D/?qs=sGAEpiMZZMZ1n0r9vR22UhSjrTM10DEc9ps1elBkgevd3p2WLI7gA%3d%3d		
BAT46WJ, 115	D1	NXP	BAT46WJ	> 30 V reverse breakdown, > 35 mA rms, > 1.5 A peak	diode	\$0.37	1	\$0.37	http://www.mouser.com/ProductDetail/NXP-Semiconductors/BAT46WJ115/?qs=sGAEpiMZZMTQ8nqTKiFS%2fLR%252b1NFTA26Nxp8J8vdlvI%3d		
82333C	L1	--	--	> 21 V, > 32 mA rms, > 142 mA peak	inductor, 33uH	\$0.32	1	\$0.32	http://www.mouser.com/ProductDetail/Murata-Power-Solutions/82333C/?qs=sGAEpiMZZMsg%252by3WYiYCKU%252bOjBV8qV5%252bXvaDnmUam5Y1%3d		
SRP1038A-150M	L2,3,4	--	--	> 30 V, 1 A rms, > 10 A peak	inductor, 15uH	\$1.24	3	\$3.72	http://www.mouser.com/ProductDetail/Bourns/SRP1038A-150M/?qs=sGAEpiMZZMsg%252by3WYiYCKU3WuiCT54zcgVxu3kr6YpoU%3d		
	M1,3,5	Infineon	BSC265N10LSF		MOSFET	\$0.90	3	\$2.70	http://www.mouser.com/ProductDetail/Infineon-Technologies/BSC265N10LSF-G/?qs=sGAEpiMZZMshyDBzk1%2fWizCV1caAEWchivdc2%252bssZ0%3d		
	M2,4,6	Infineon	BSC252N10NSF		MOSFET	\$0.90	3	\$2.70	http://www.mouser.com/ProductDetail/Infineon-Technologies/BSC252N10NSF-G/?qs=sGAEpiMZZMshyDBzk1%2fWizCV1caAEWch%2fYKkplhyjg0%3d		
402	R1	--	--		resistor, 158K	\$0.01	1	\$0.01	http://www.mouser.com/ProductDetail/Yageo/RC0402FR-07158KL/?qs=sGAEpiMZZMu61qfTUdNhG6gKAQVNBK0oFU%2f6s0oUL88%3d		
2512	R2	--	--	> 1 W	resistor, 2m	\$0.60	1	\$0.60	http://www.mouser.com/ProductDetail/Yageo/PA2512FKF7W0R002E/?qs=sGAEpiMZZMtlleCFQhR%2ftzTv0YqBd7EYeJIKo5xU9LupWgPqdHojX3w%3d%3d		
402	R3	--	--		resistor, 86.6K	\$0.01	1	\$0.01	http://www.mouser.com/ProductDetail/Yageo/RC0402FR-0786K6L/?qs=sGAEpiMZZMu61qfTUdNhG6gKAQVNBK0oz30S0ntseLk%3d		
402	R4,5	--	--		resistor, 10K	\$0.01	2	\$0.02	http://www.mouser.com/ProductDetail/Yageo/RC0402FR-0710KL/?qs=sGAEpiMZZMu61qfTUdNhG0fGdGRhTL55xwMnwd5l%3d		
IC	U1	Linear Technology	LT3840		integrated circuit	\$5.22	1	\$5.22	http://www.linear.com/product/LT3840		
Grand Total								\$21.57			