

Rtop

Vmax	Vconst	1 Cell	2 Cell	3 Cell	4 Cell
1.450	1.355	2.03k	14.07k	26.10k	38.13k
1.475	1.375	2.24k	14.48k	26.72k	38.96k
1.500	1.400	2.45k	14.90k	27.34k	39.79k
1.525	1.425	2.66k	15.31k	27.97k	40.62k
1.550	1.445	2.86k	15.73k	28.59k	41.45k
1.575	1.470	3.07k	16.14k	29.21k	42.28k
1.600	1.495	3.28k	16.56k	29.83k	43.11k

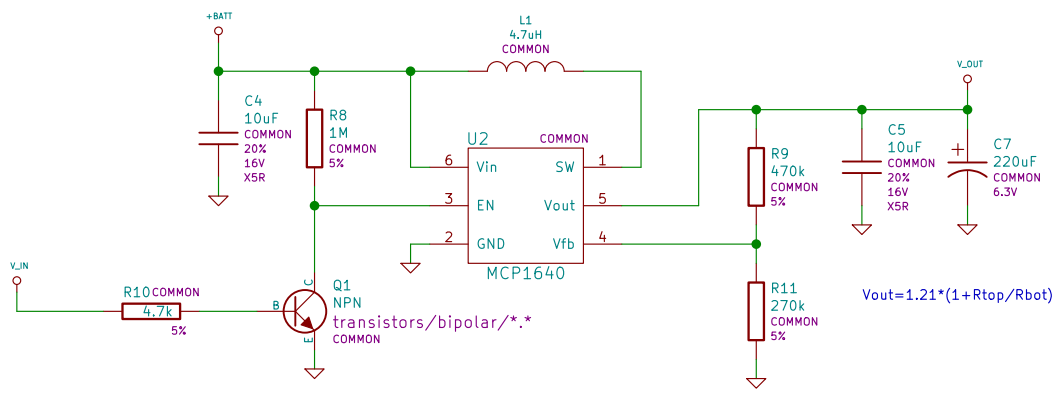
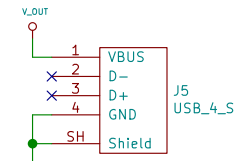
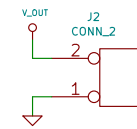
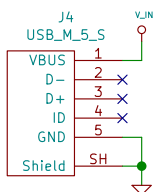
$$V_{max} = 1.205 * (1 + R_{top}/R_{bot})$$

$$V_{cont} = 1.124 * (1 + R_{top}/R_{bot})$$

$$R_{set} = 1218 / I_{charge}$$

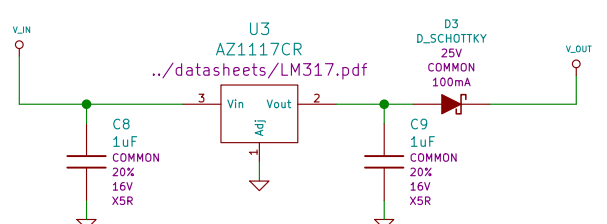
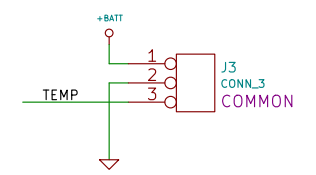
I _{max}	R _{set}
0.1A	12.2k
0.2A	6.09k
0.4A	3.05k
0.6A	2.03k
1.0A	1.22k

T=2654*R*C+4980*C*1000
 64min 22k 1uF
 125min 47k 1uF
 185min 68k 1uF
 204min 75k 1uF



$$V_{out} = 1.21 * (1 + R_{top}/R_{bot})$$

transistors/bipolar/*.*



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NUPS - NiMH UPS for small MCUs	
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Date: 2020-04-19	Id: 1/1
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