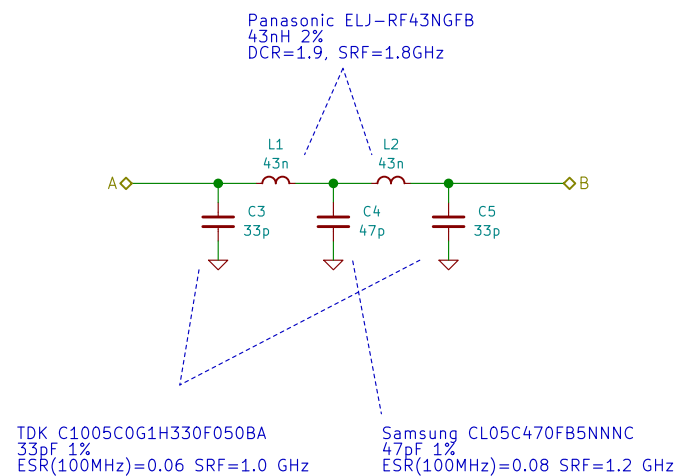
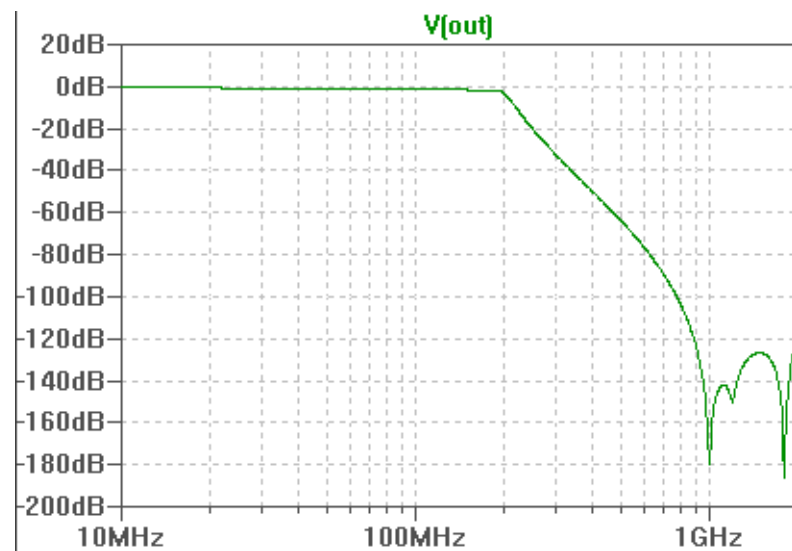


Sheet: /		
File: wcp52-output.sch		
Title:		
Size: USLetter	Date:	Rev:
KiCad E.D.A. kicad (2014-11-13 BZR 5275)-product		Id: 1/3



Voltage insertion gain of output filter:



Sheet: /LPF/
File: LPF.sch

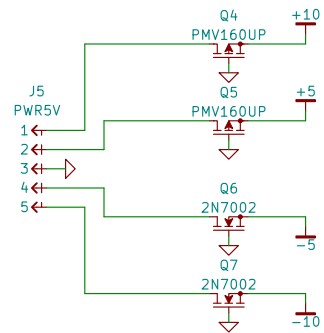
Title:

Size: USLetter Date:

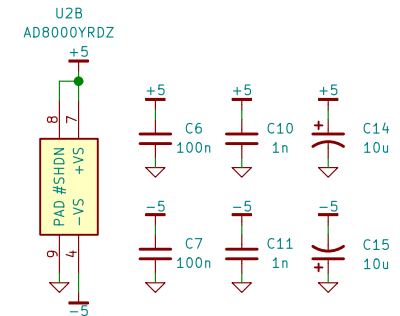
KiCad E.D.A. kicad (2014-11-13 BZR 5275)-product

Rev:

Id: 2/3

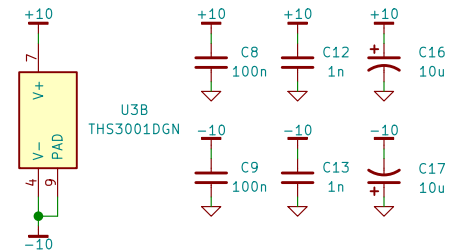


To use basic linear regulator, jumper pins 1-2 and 4-5.
To power externally, supply +5V to pin 1 and -5V to pin 5.



Decoupling: ADI recommends a low-impedance 100nF capacitor directly next to each supply pin, claiming that lower capacitances do not aid decoupling, but can help bypass high frequency noise to ground. This is why the 100nF capacitor is closest to the chip, not the 1nF.

The 10uF capacitor is a low-impedance type as well, but still not as low as a high-performance MLCC to avoid causing regulator oscillations.



Decoupling: TI's recommendations were very similar to ADI's, so the same decoupling pattern was used.

Sheet: /Power/
File: Power.sch

Title:

Size: A4
KiCad E.D.A. kicad (2014-11-13 BZR 5275)-product

Date:

Rev:
Id: 3/3