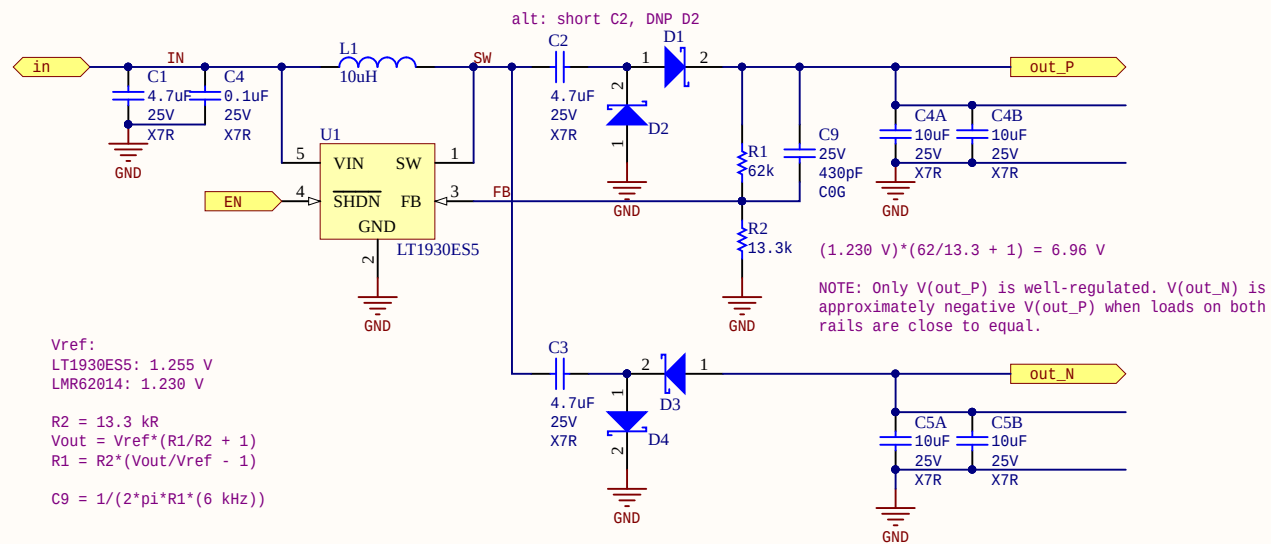
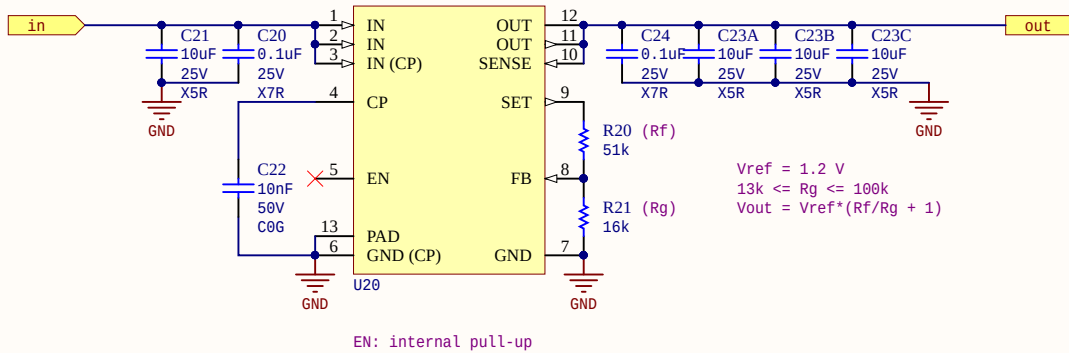
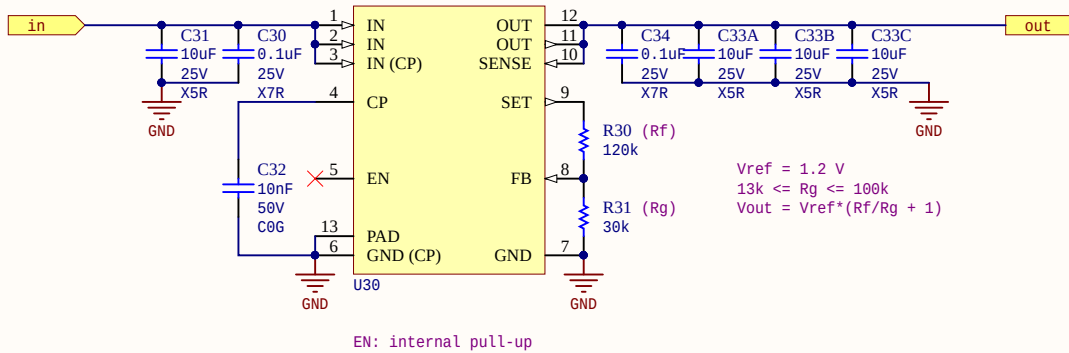




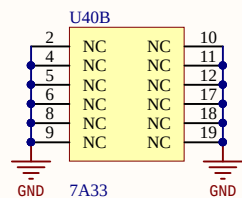
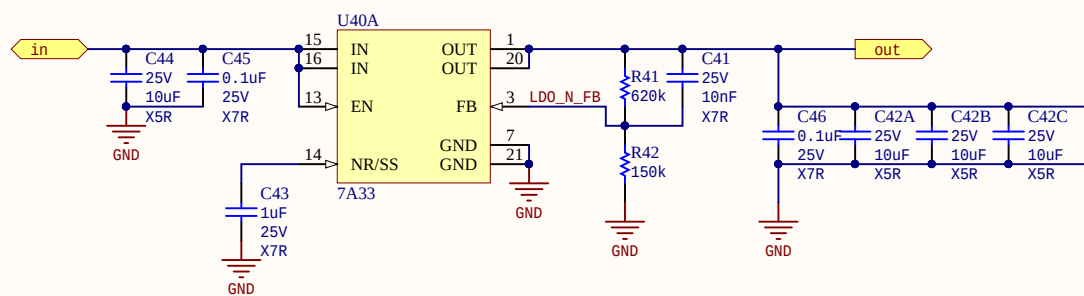
Title LMR62014 bipolar boost (reusable)		
Size: Letter	Number:2	Revision:*
Date: 2017-04-07	Time: 21:42:04	Sheet2 of 6
File: D:\proj\headphone\headphone-power-v4.6\dc-dc-LMR62014.SchDoc		



Title Analog DAC +5V LDO LP38798		
Size: Letter	Number:3	Revision:*
Date: 2017-04-07	Time: 21:42:04	Sheet3 of 6
File: D:\proj\headphone\headphone-power-v4.6\ldo-dac-lp38798.SchDoc		



Title Analog positive LDO LP38798		
Size: Letter	Number:4	Revision:*
Date: 2017-04-07	Time: 21:42:04	Sheet4 of 6
File: D:\proj\headphone\headphone-power-v4.6\ldo-amp-p-lp38798.SchDoc		



$$|V_{ref}| = 1.175 \text{ V}$$

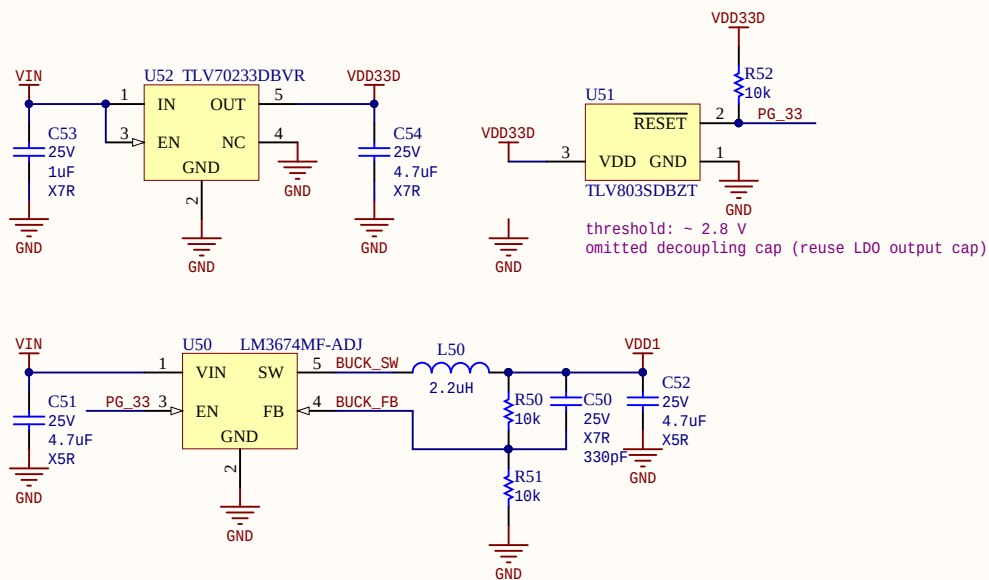
$$|V_{out}| = |V_{ref}| \cdot (R1 + R2) / R2$$

$$|V_{out}| / (R1 + R2) = |V_{ref}| / R2 \geq 5 \text{ uA}$$

$$R2 \leq 235 \text{ k}\Omega$$

$$R1 = R2 (|V_{out}| / |V_{ref}| - 1)$$

Title Analog negative LDO TPS7A33		
Size: Letter	Number: 5	Revision: *
Date: 2017-04-07	Time: 21:42:05	Sheet 5 of 6
File: D:\proj\headphone\headphone-power-v4.6\ldo-amp-n.SchDoc		



Title Digital supply LDO, buck, monitor		
Size: Letter	Number:6	Revision:*
Date: 2017-04-07	Time: 21:42:05	Sheet6 of 6
File: D:\proj\headphone\headphone-power-v4.6\digital.SchDoc		

