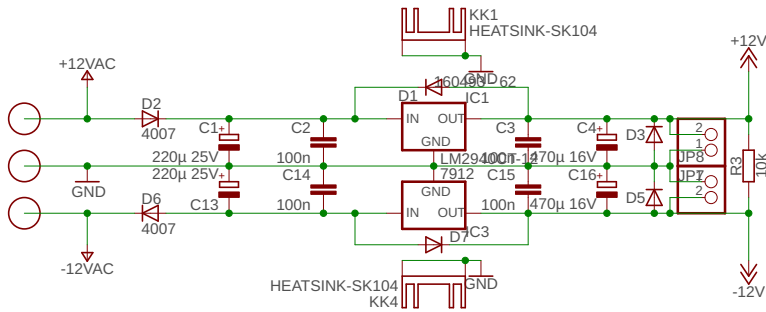
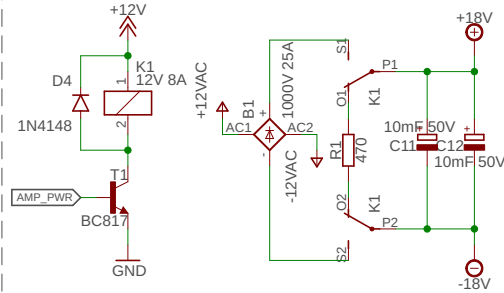


## Dual-Rail Power for Audio

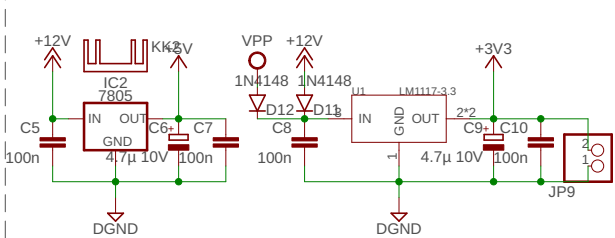


## Amplifier Power

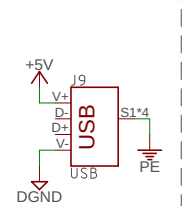


Input: 160VA  
Load: 8 Ohms  
 $I_{max} = \sqrt{160W / 8\Omega} = 4.5A$   
 $V_{ripple} = (I_{max} * (1 * 100Hz)) / 20mF = 2.25V$

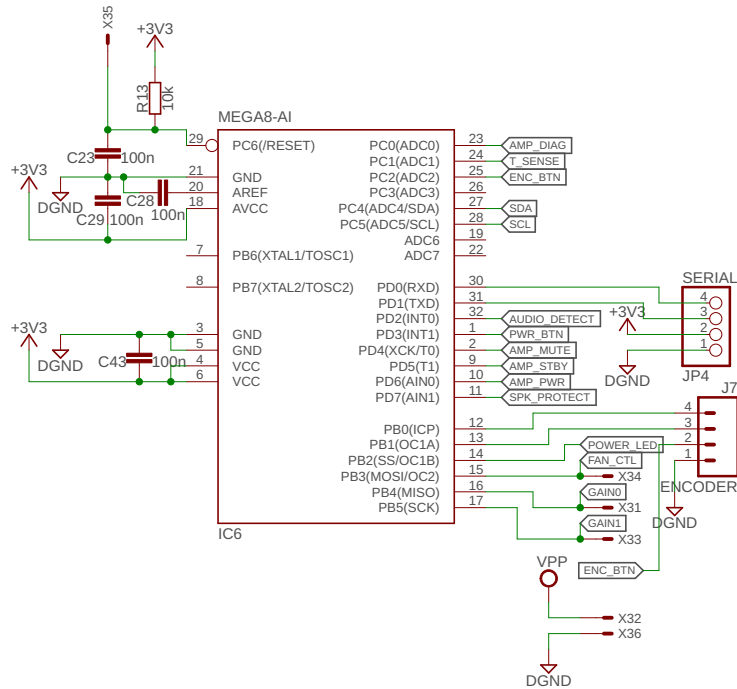
## 3.3V and 5V digital Supply



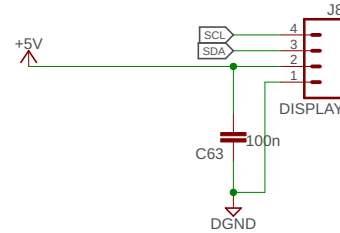
## USB Power Out



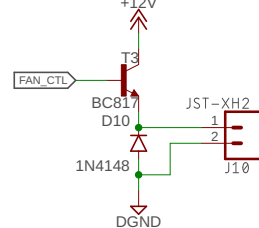
## µC & I/O



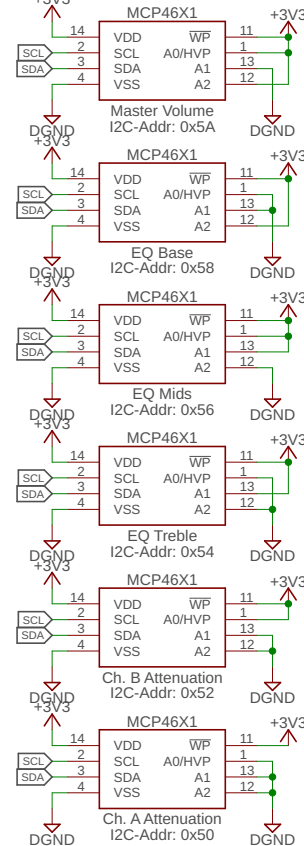
## Display Connector



## Fan Controller



## Digital Pots



## Input Mixer

