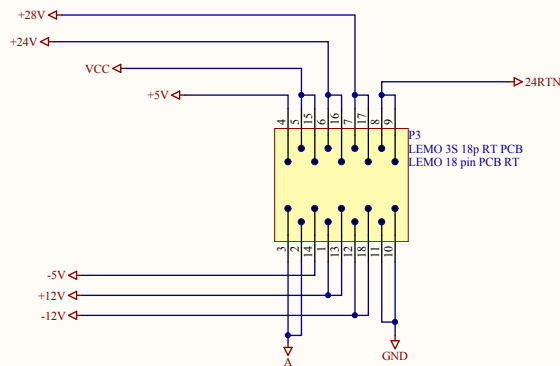
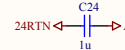
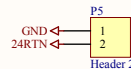
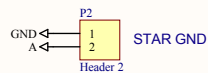
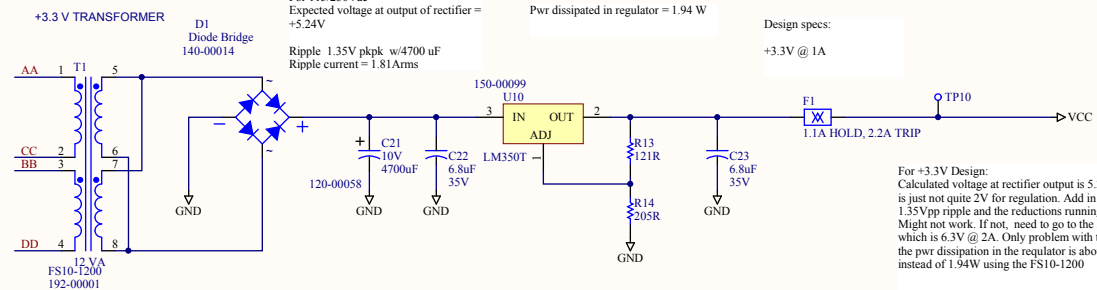


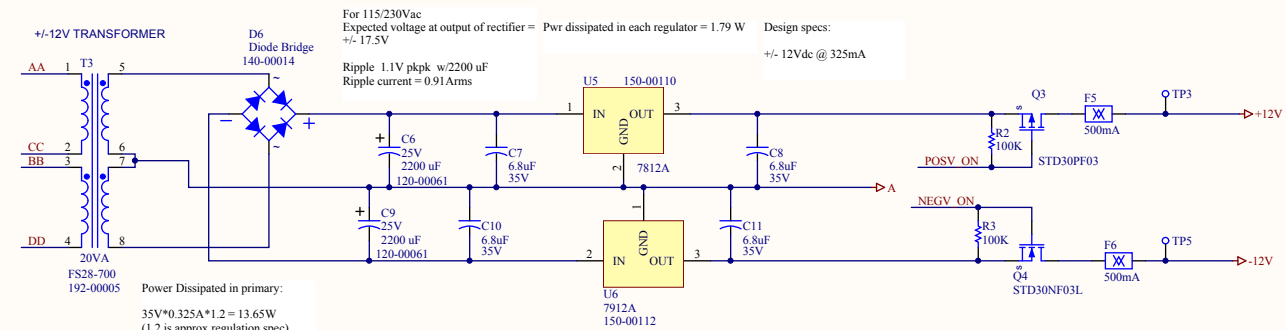
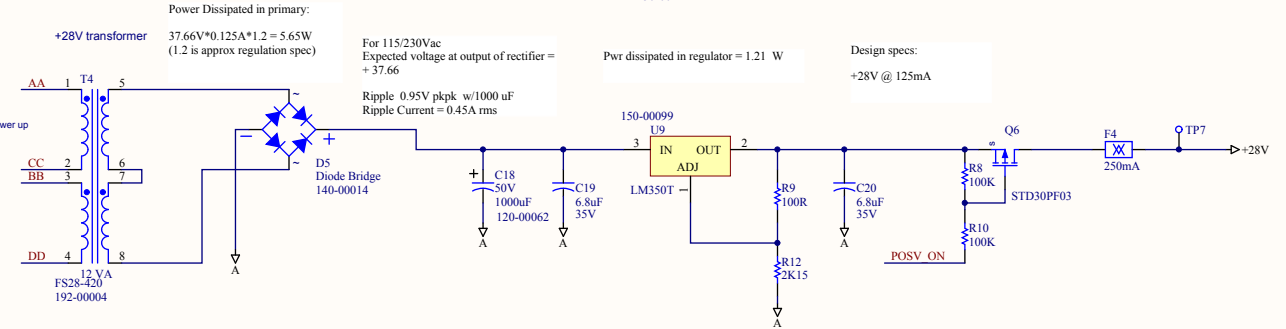
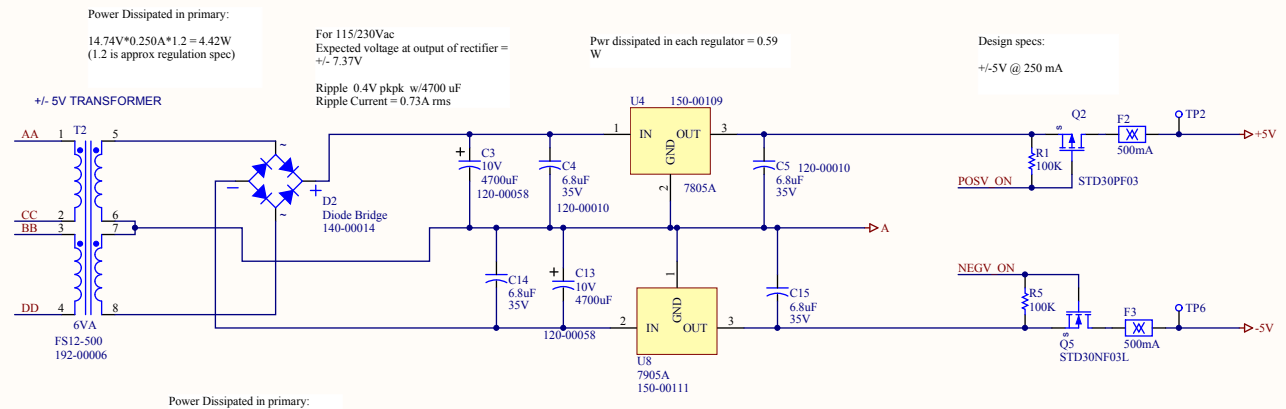
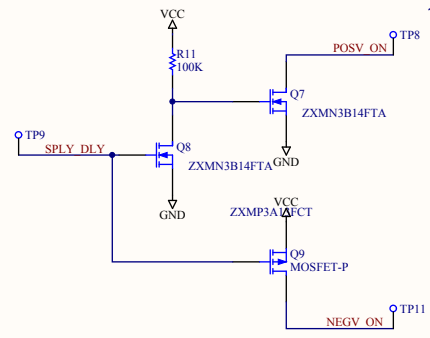
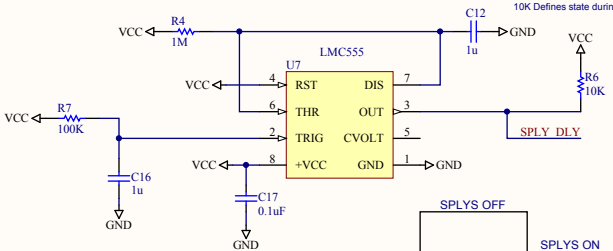
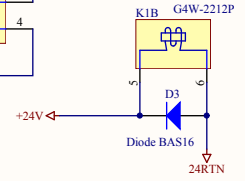
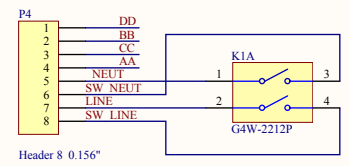
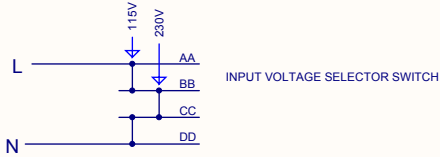
For grounding consider changing RS lines to +24V RTN and using +24V to run heater drivers on TT board. Also keep both A and GND paths for analog and digital ground.



Power Dissipated in primary:  
 $5.24V \times 1A \times 1.2 = 6.28W$   
(1.2 is approx regulation spec)



Title		
SCH, SINISTRO POWER SUPPLY		
Size	Number	Revision
B	175-00023	2
Date:	1/7/2013	Sheet of
File:	U:\Alum Projects\1780-00028 rev2 Pg1	Power Supply.SchDoc



Power Dissipation all Xfirms =  $6.28 + 4.42 + 5.65 + 13.65 = 30.0 W$

Power Dis in all regulators =  $1.94 + 2 \times (0.59) + 1.21 + 2 \times (1.79) = 7.53 W$

Total Power Dissipated in power supply module = 37.53 W

Title		
Size	Number	Revision
B	SCH, SINISTRO POWER SUPPLY	2
Date:	1/7/2013	Sheet of
File:	U:\Alum Projects\780-00028 rev2 Pg2 Sinistro Power Supply.SchDoc	