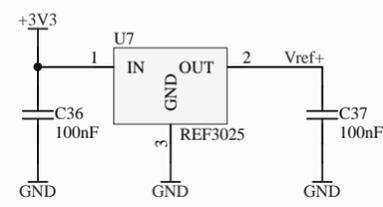
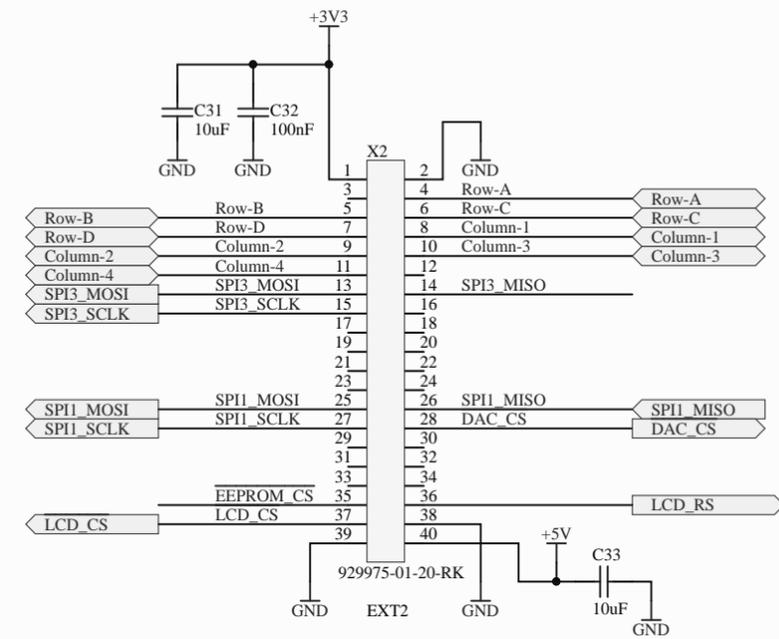
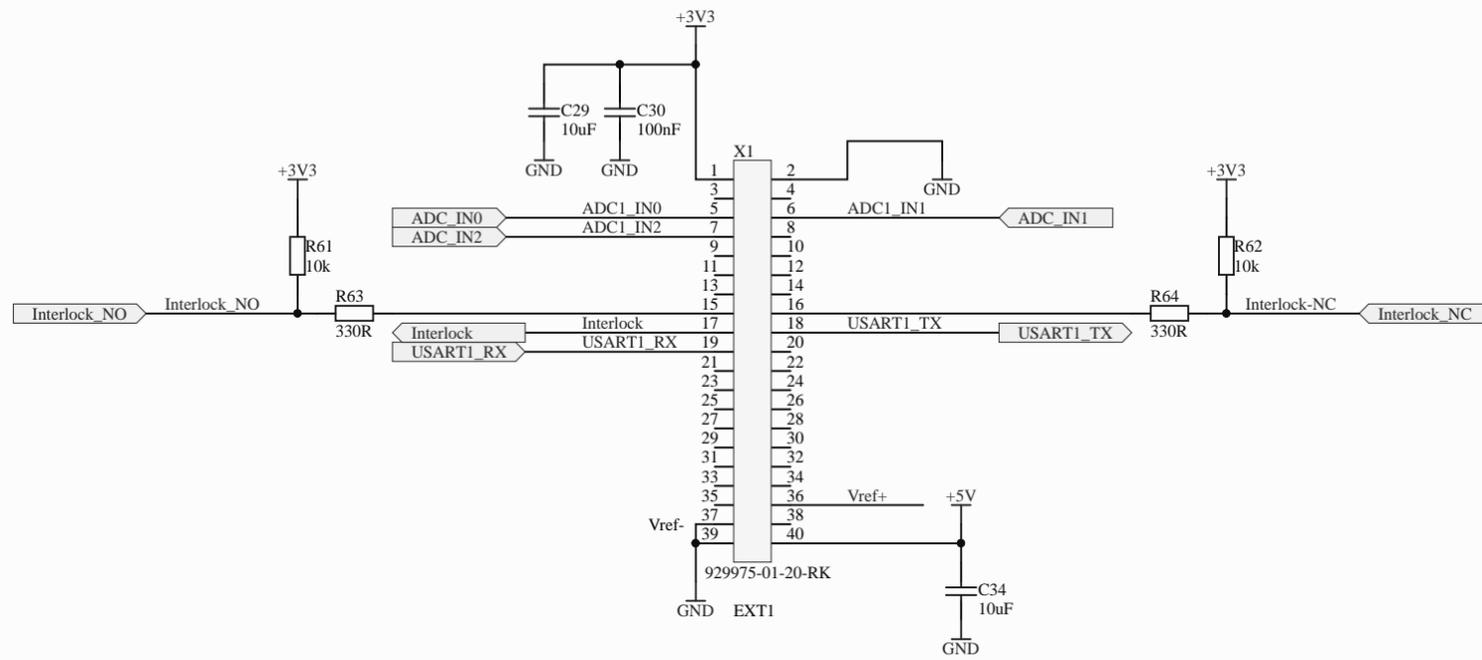
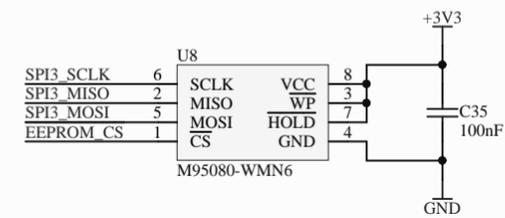


	Title: HSB MRTS Anode-Tesla Top	
	Drawn: TLa	Number: 1.
Checked: GSc	Date: 2-6-2017	Sheet: 1 of 6
File: Top.SchDoc		



ADC 2V5 reference voltage

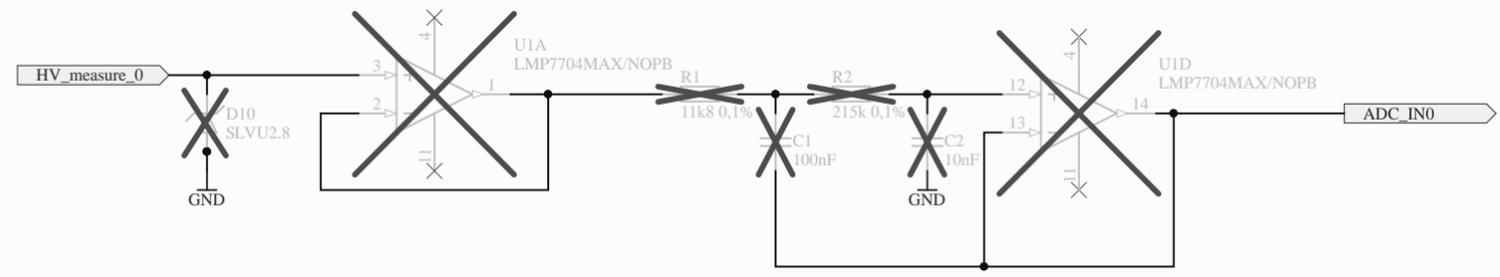
Remove jumper PWR_SEL
Remove resistor R2



	Title: Microcontroller	
	Drawn: TLa	Number: 2.
Checked: GSc	Date: 2-6-2017	Sheet: 2 of: 6
File: Microcontroller.SchDoc		

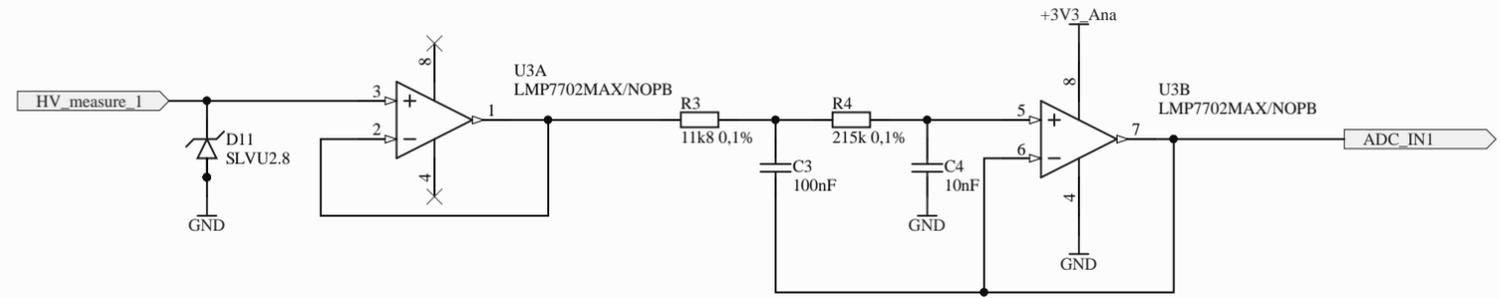
A

A



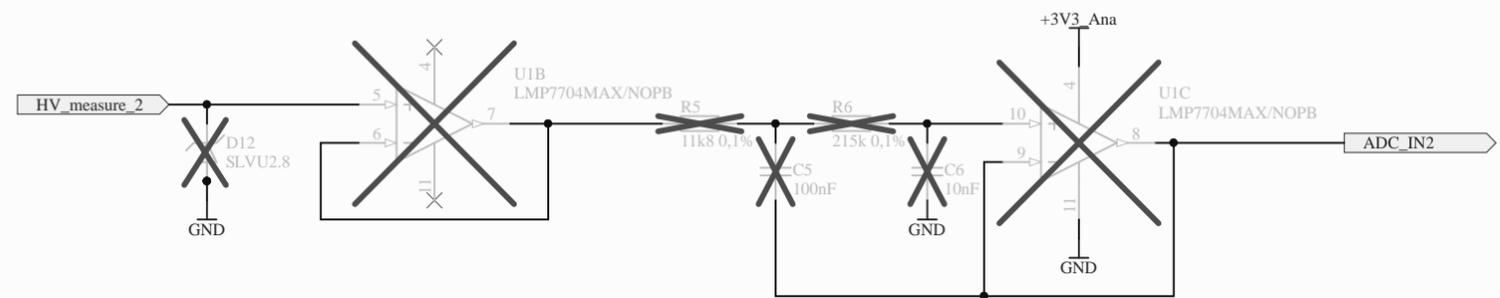
B

B

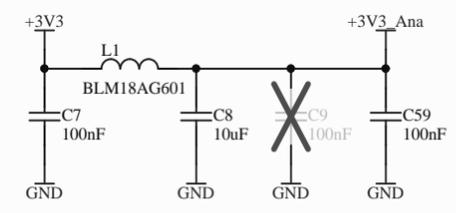


C

C



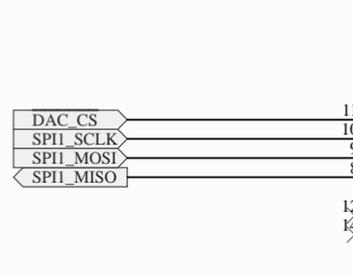
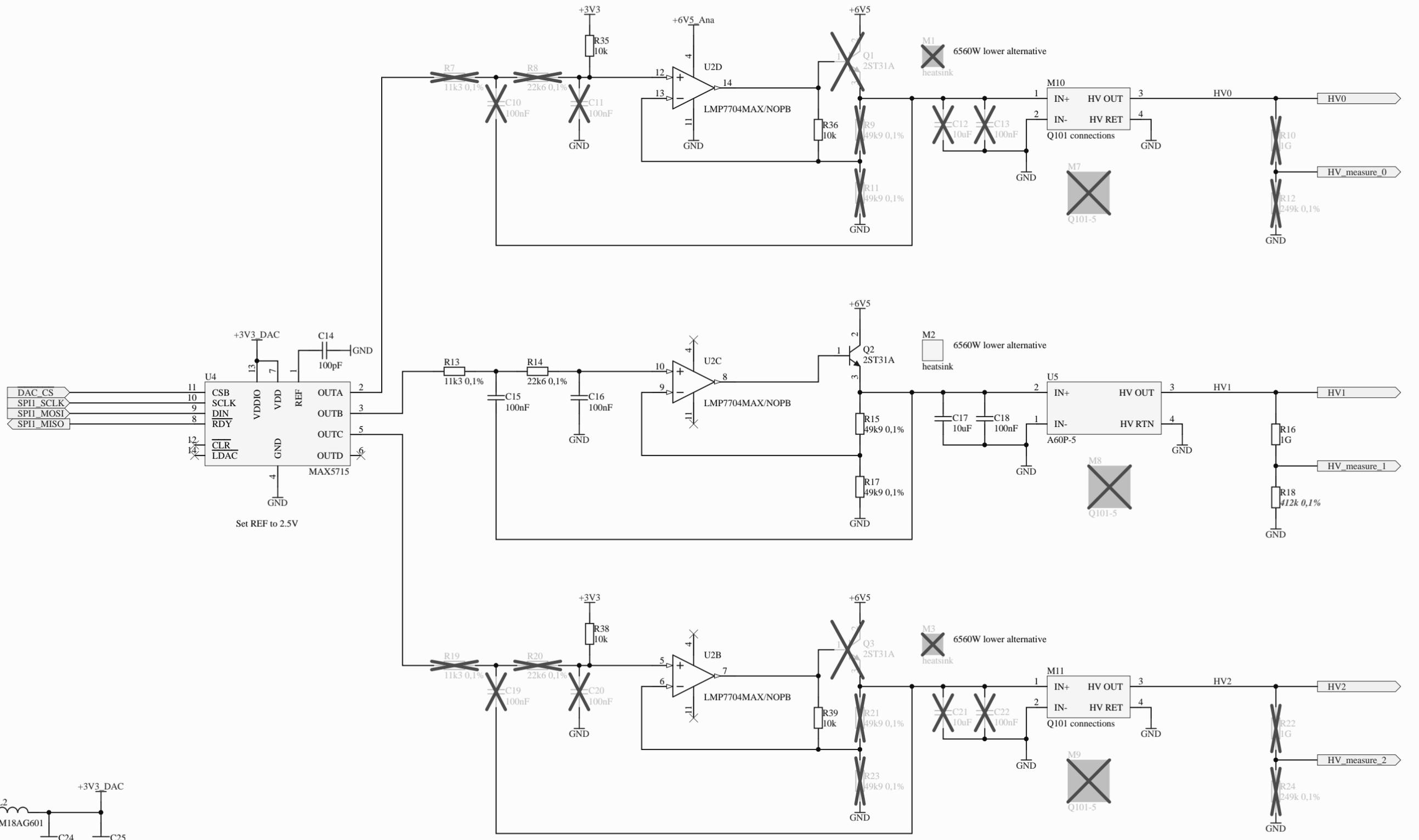
2nd order Butterworth filter
 -3dB @ 100Hz
 Gain= 1



	Title: Analog In		
	Drawn: TLa	Number: 3.	Rev: MLA-0387-A1 PA0
	Checked: GSc	Date: 2-6-2017	Sheet: 3 of 6
	File: Analog in.SchDoc		

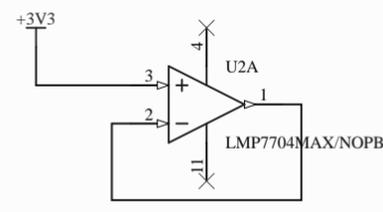
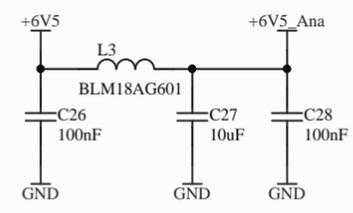
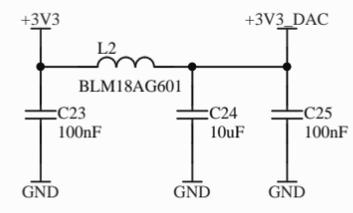
D

D

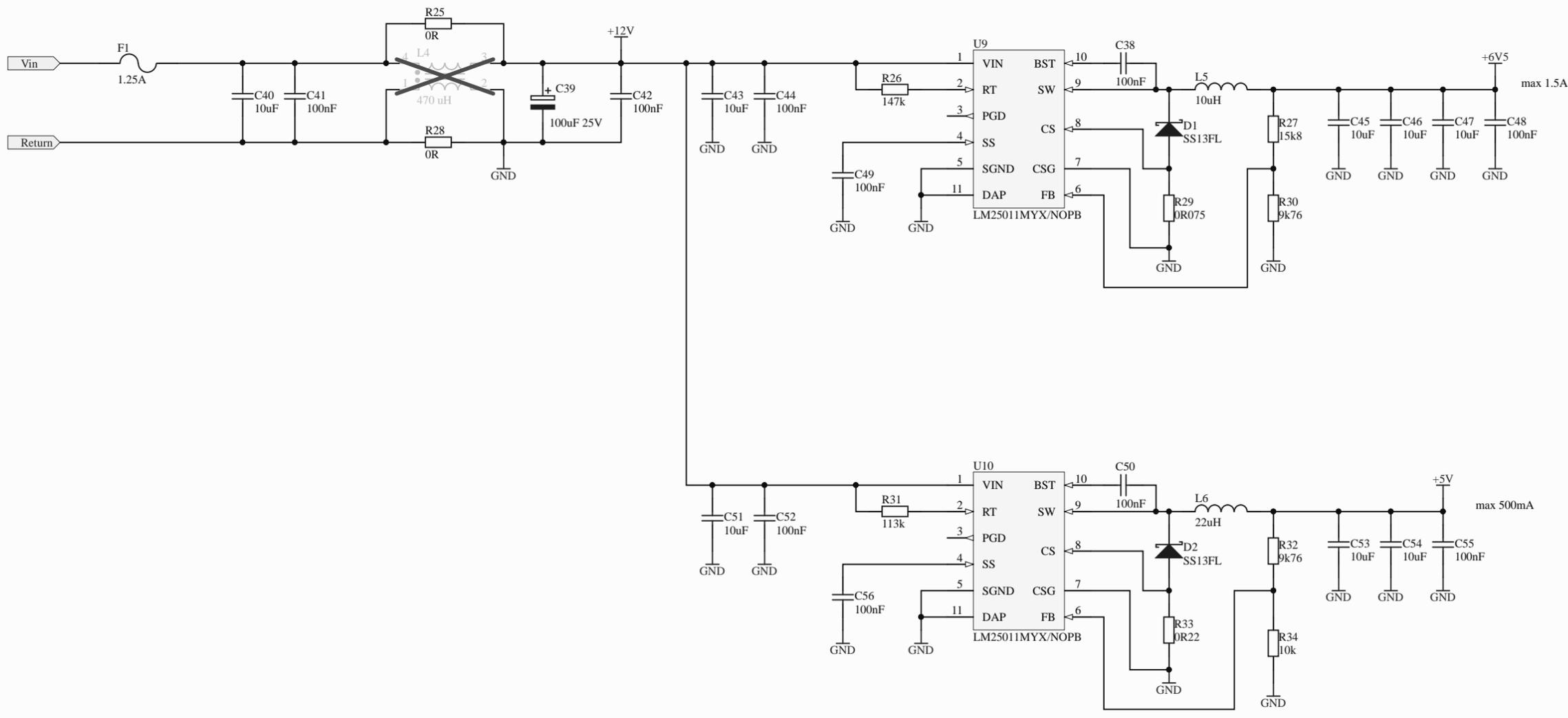


Set REF to 2.5V

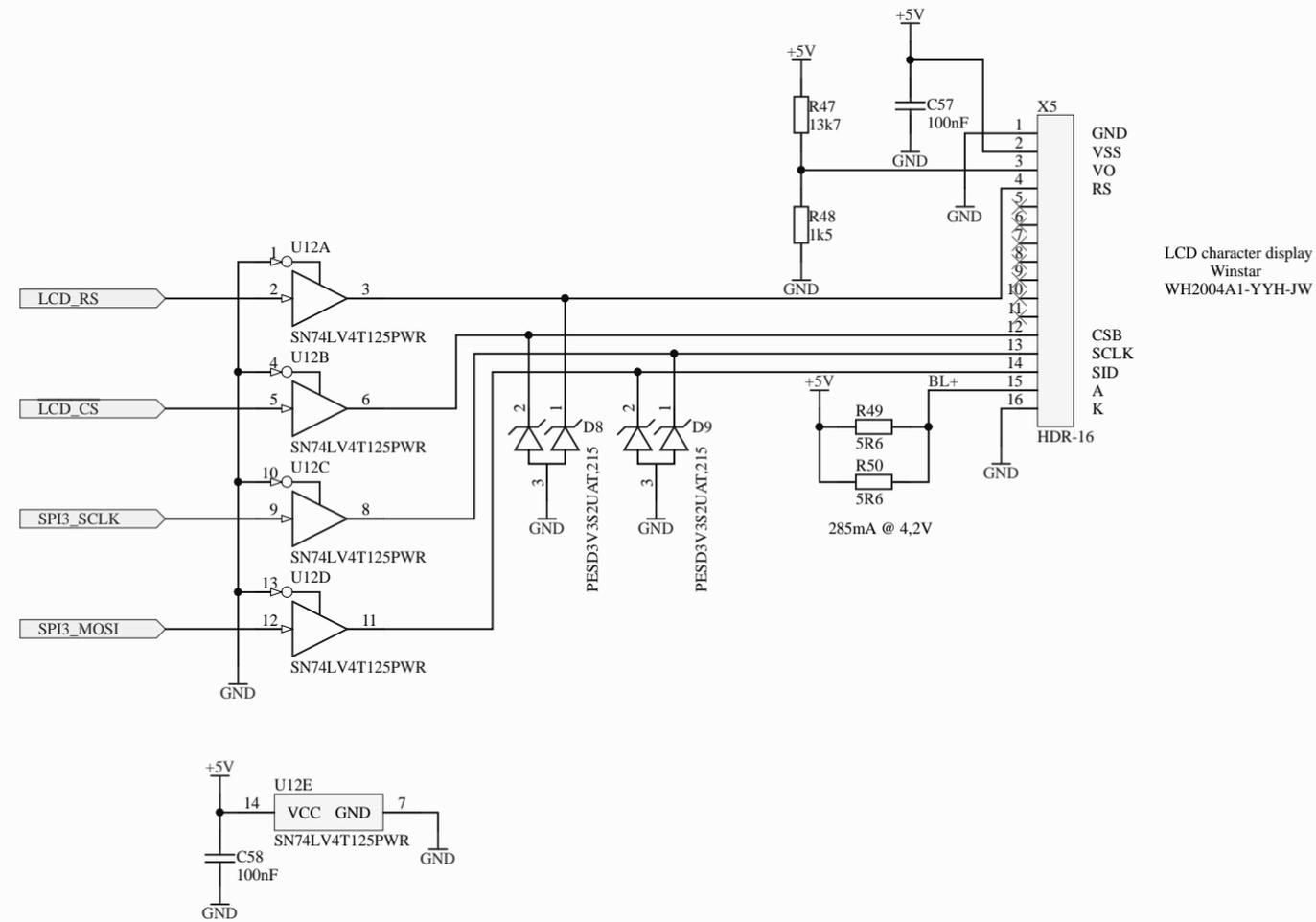
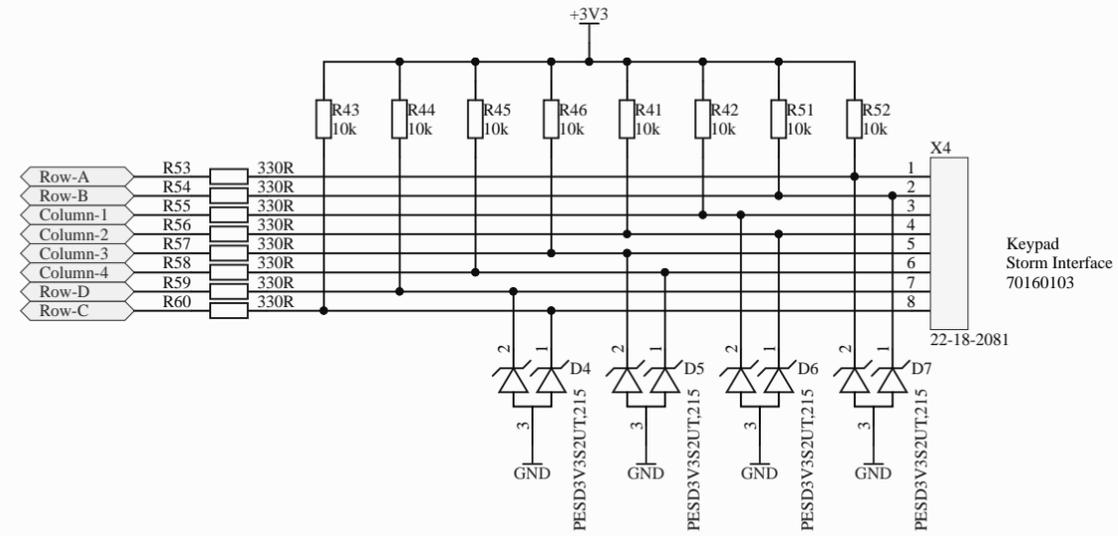
2nd order Butterworth filter
 -3dB @ 100Hz
 Gain= 2



		Title: High Voltage Power Supplies	
		Drawn: TLa	Number: 4.
Checked: GSc	Date: 2-6-2017	Sheet: 4 of 6	
File: HV Power supplies.SchDoc			



	Title: Power Supplies	
	Drawn: TLa	Number: 5.
Checked: GSc	Date: 2-6-2017	Sheet: 5 of 6
File: Power supplies.SchDoc		



 Embedded Technology Experts	Title: User Interface	
	Drawn: TLa	Number: 6.
Checked: GSc	Date: 2-6-2017	Sheet: 6 of 6
File: User Interface.SchDoc		