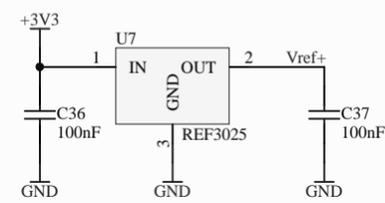
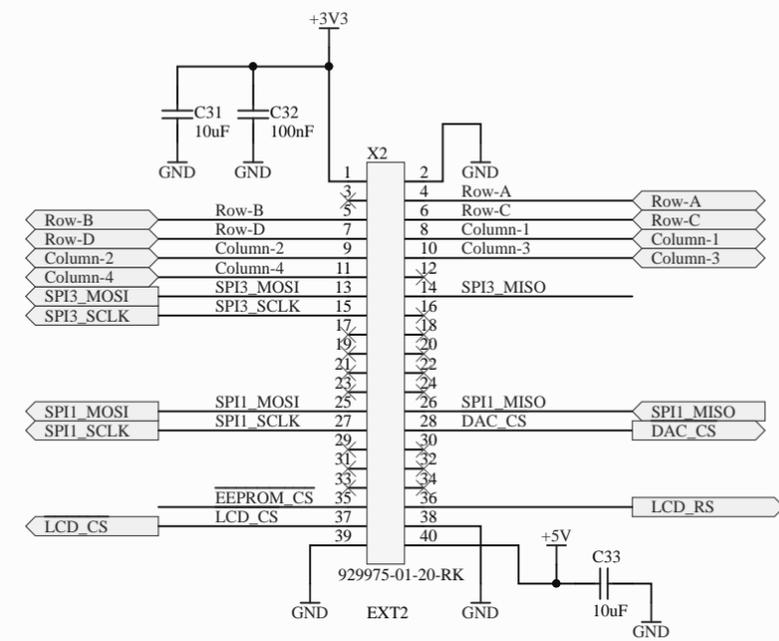
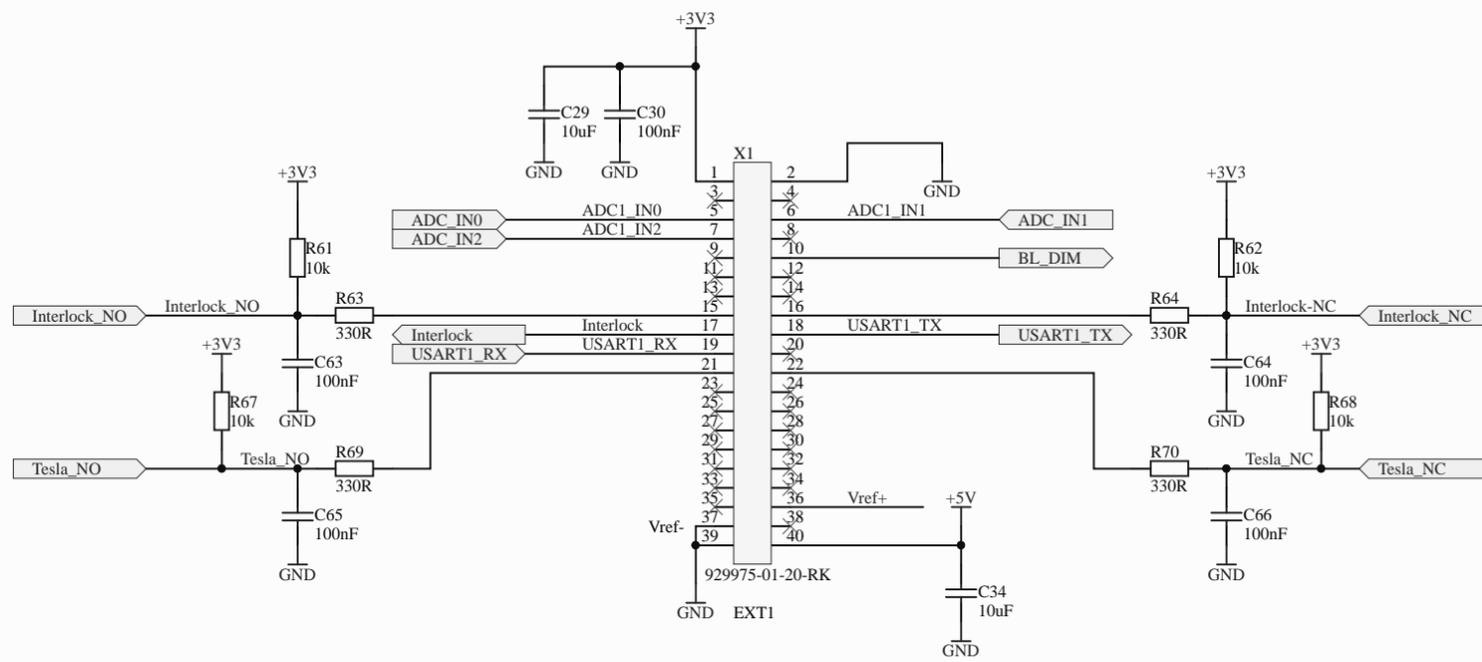
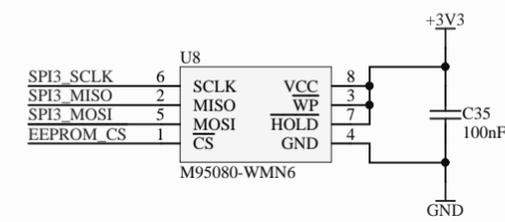


<p>Micro-Key Embedded Technology Experts</p>	<b>Title:</b> <b>HSB MRTS Anode-Tesla Top</b>		
	<b>Drawn:</b> TLa	<b>Number:</b> 1.	<b>Rev:</b> MLA-0387-A1 PA0
	<b>Checked:</b> GSc	<b>Date:</b> 18-7-2017	<b>Sheet:</b> 1 of 6
	<b>File:</b> Top.SchDoc		

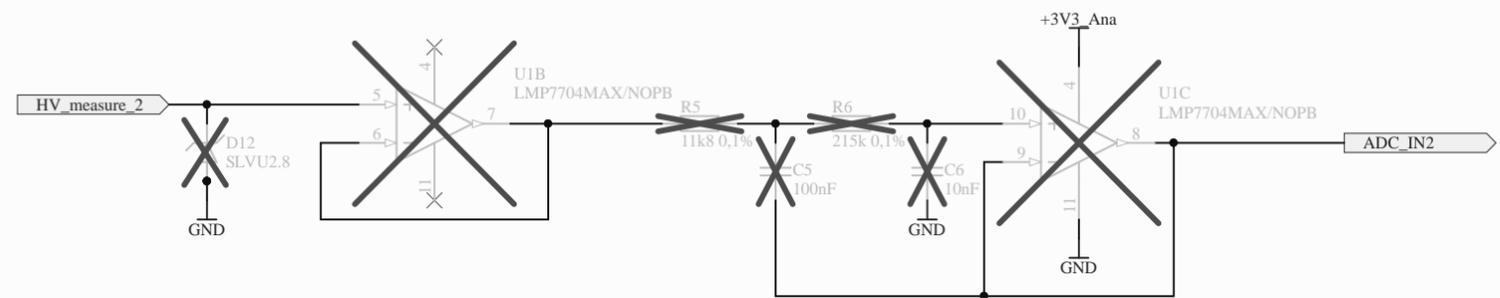
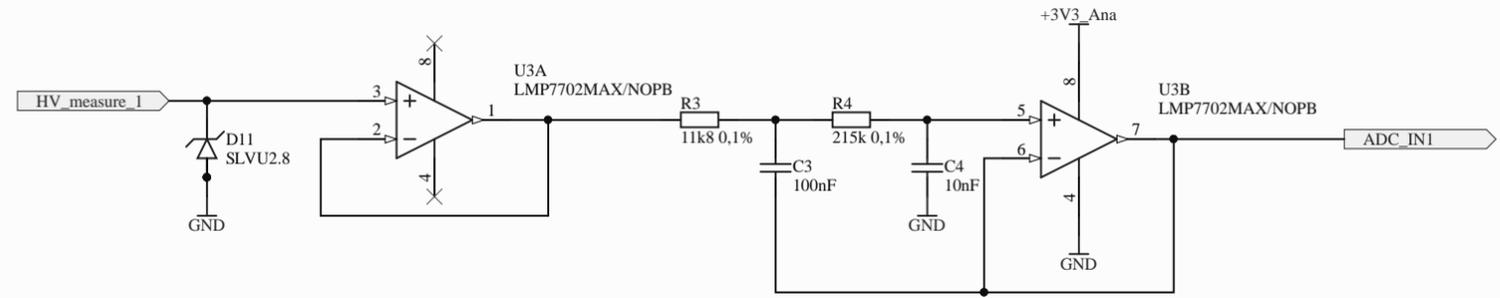
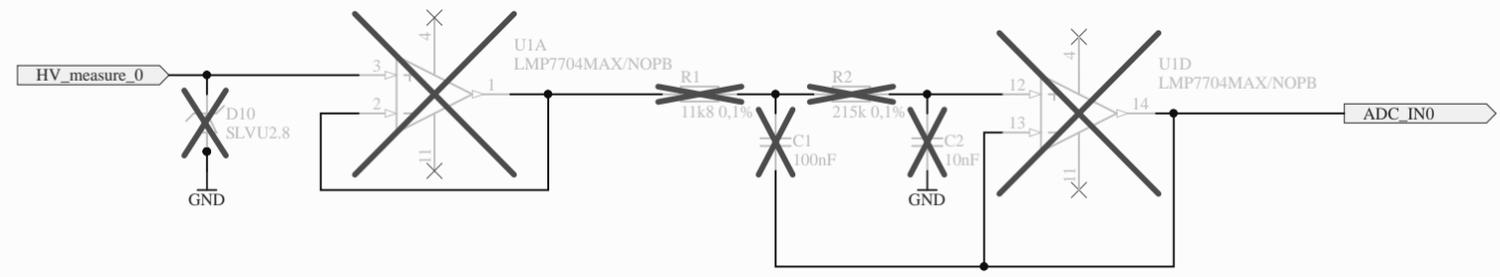


ADC 2V5 reference voltage

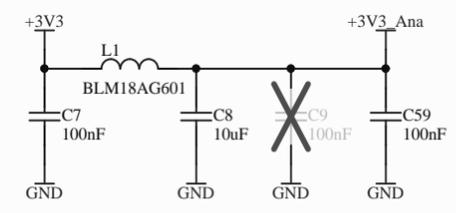


Remove jumper PWR\_SEL  
Remove resistor R2

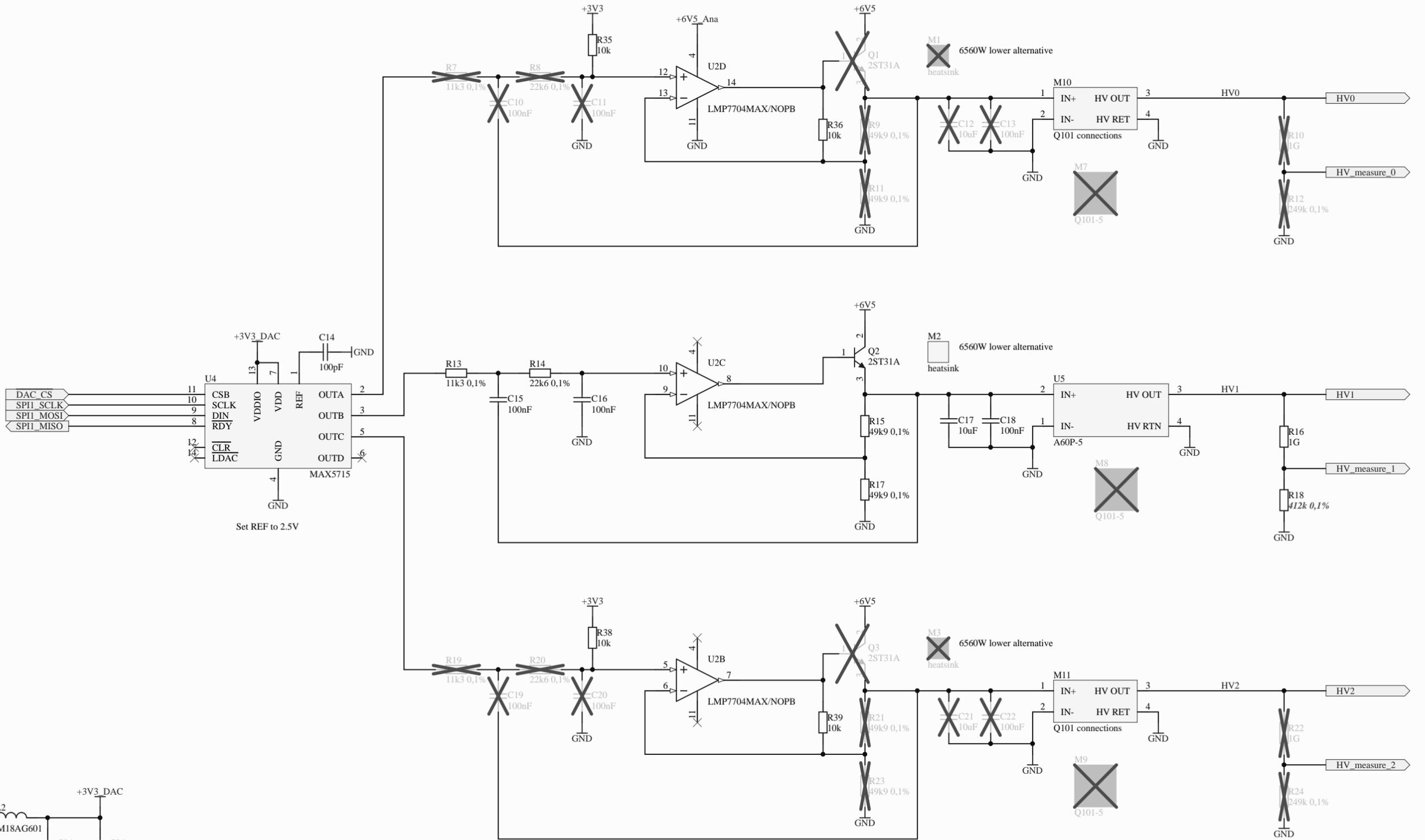
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		Microcontroller	
Drawn: TLa	Number: 2.	Rev: MLA-0387-A1 PA0	
Checked: GSc	Date: 18-7-2017	Sheet: 2 of 6	
File: Microcontroller.SchDoc			



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

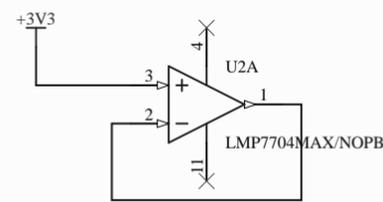
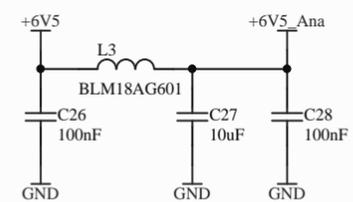
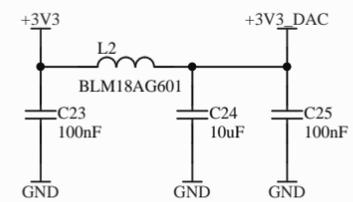


 Embedded Technology Experts	Title: <b>Analog In</b>	
	Drawn: TLa	Number: 3.
Checked: GSc	Date: 18-7-2017	Sheet: 3 of 6
File: Analog in.SchDoc		

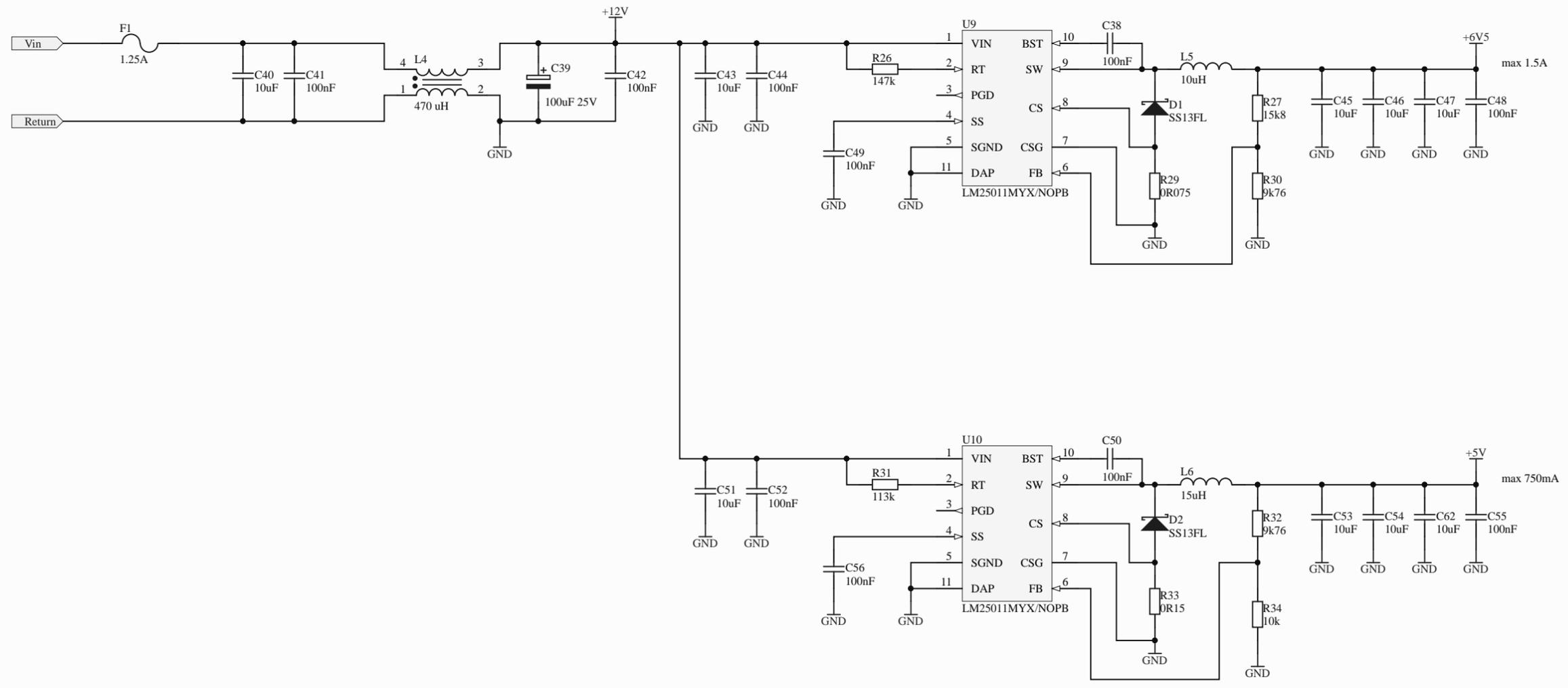


Set REF to 2.5V

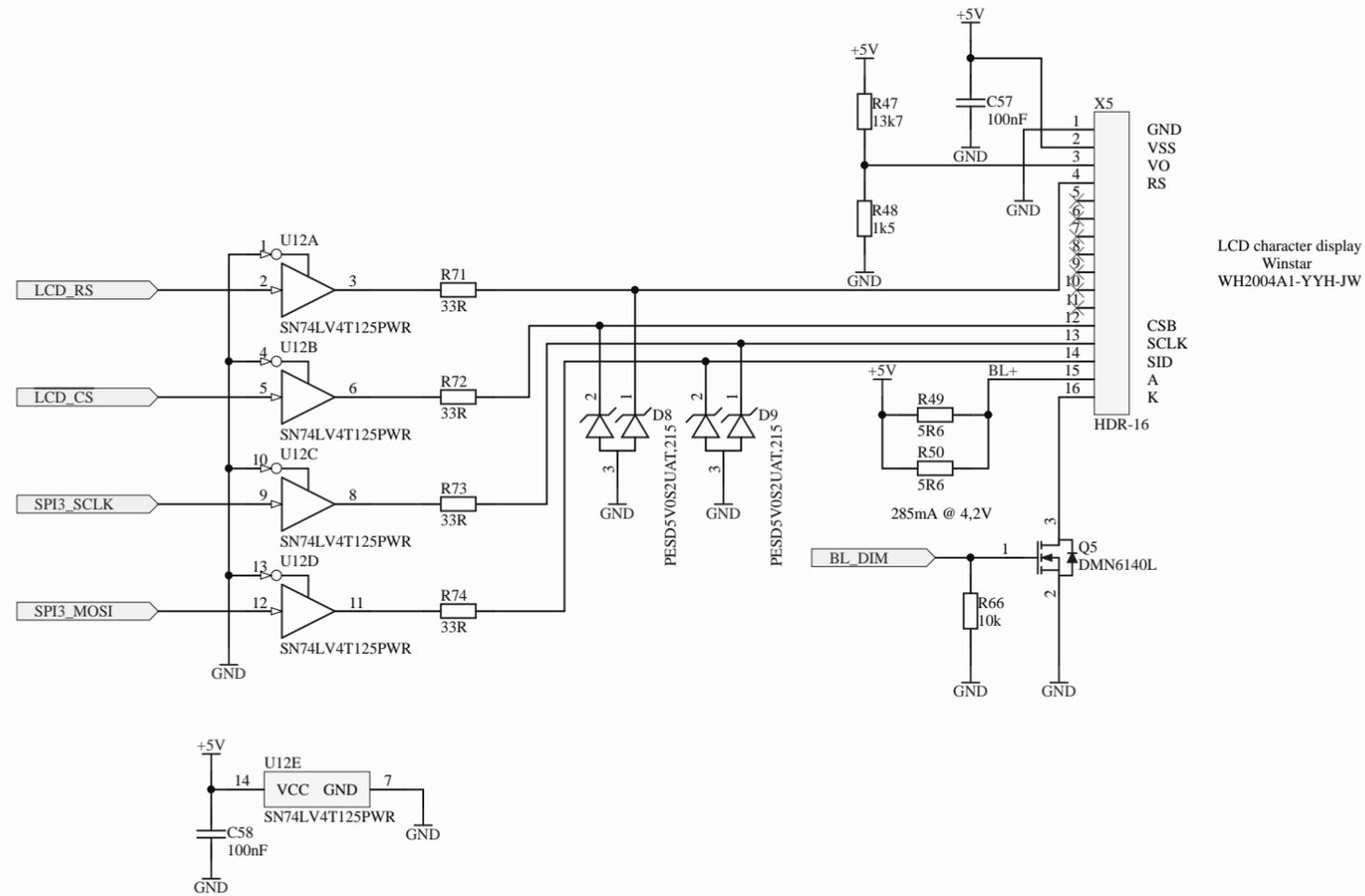
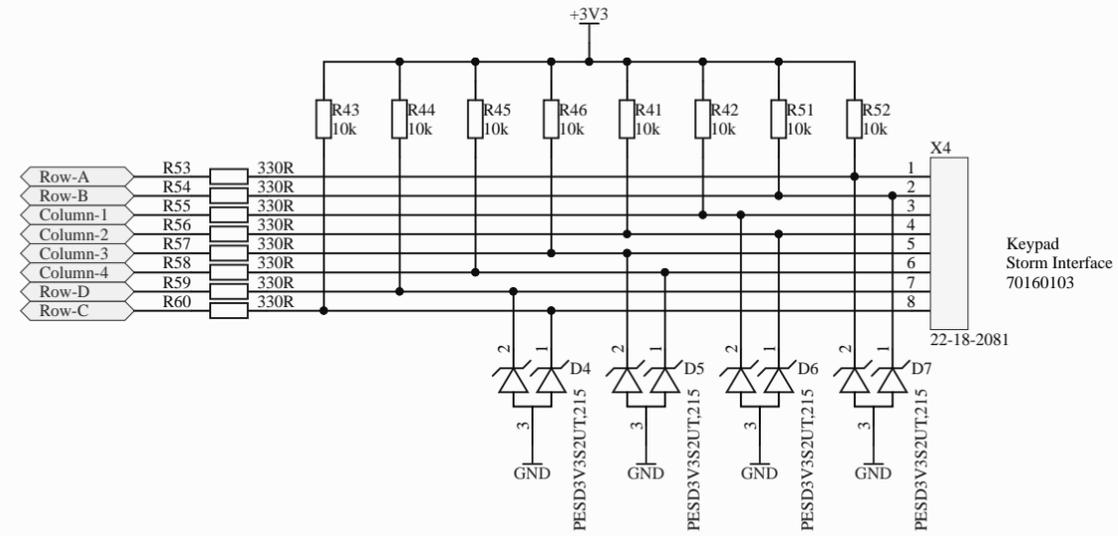
2nd order Butterworth filter  
 -3dB @ 100Hz  
 Gain= 2



		Title: <b>High Voltage Power Supplies</b>	
		Drawn: TLa	Number: 4.
Checked: GSc	Date: 18-7-2017	Sheet: 4 of 6	
File: HV Power supplies.SchDoc			



	<b>Title:</b> <b>Power Supplies</b>	
	<b>Drawn:</b> TLa	<b>Number:</b> 5.
<b>Checked:</b> GSc	<b>Date:</b> 18-7-2017	<b>Sheet:</b> 5 of 6
<b>File:</b> Power supplies.SchDoc		



	<b>Title:</b> <b>User Interface</b>	
	<b>Drawn:</b> TLa	<b>Number:</b> 6.
<b>Checked:</b> GSc	<b>Date:</b> 18-7-2017	<b>Sheet:</b> 6 of 6
<b>File:</b> User Interface.SchDoc		