

PCB1  
MLA-0387-P0-PA0

FID1 FID2 FID3  
MH1 3.5mm  
MH2 3.5mm  
MH3 3.5mm  
MH4 3.5mm  
MH5 3.5mm  
MH6 3.5mm

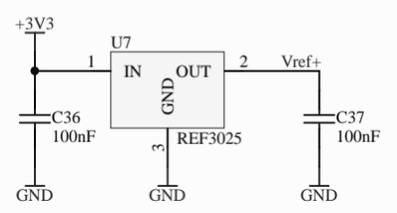
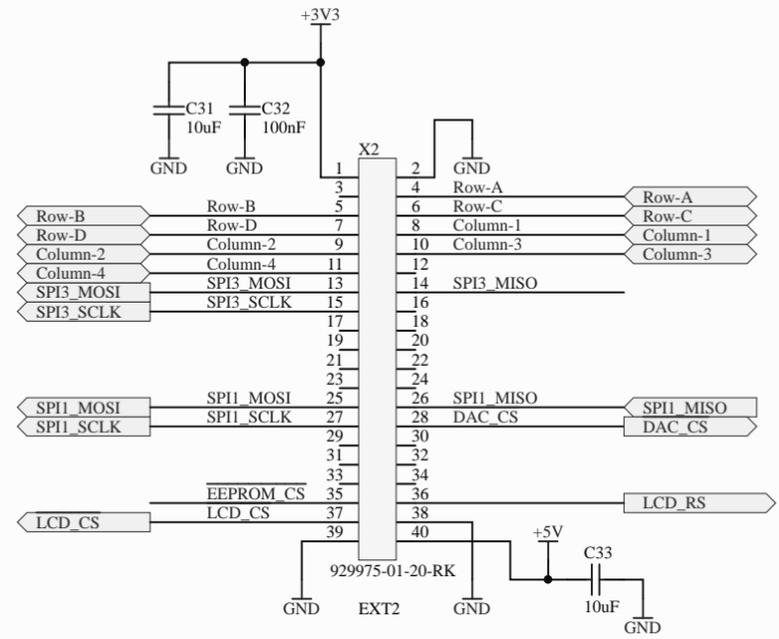
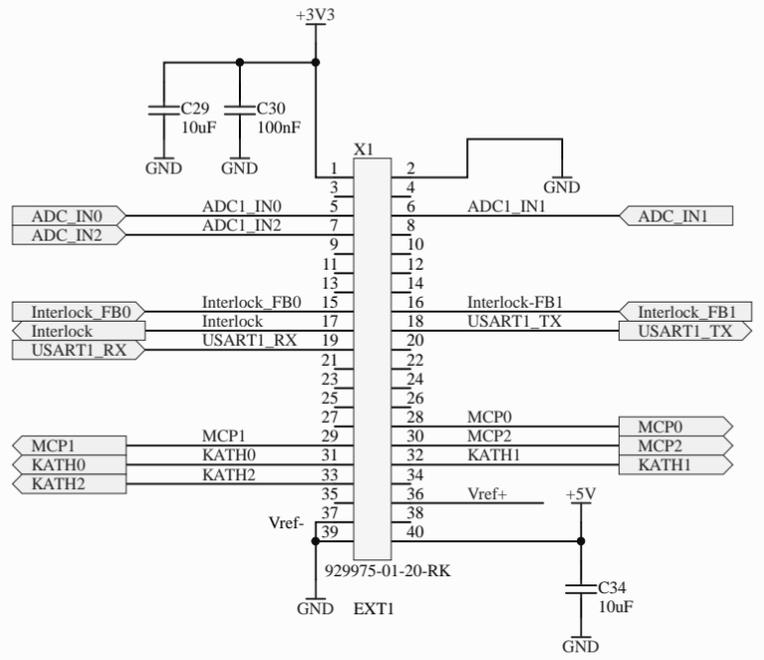
		Title:	
		HSB MRTS Kathode MCP Top	
Drawn: TLa	Number: 1.	Rev: MLA-0387-A0-PA0	
Checked: GSc	Date: 22-5-2017	Sheet: 1 of: 6	
File: Top.SchDoc			

A

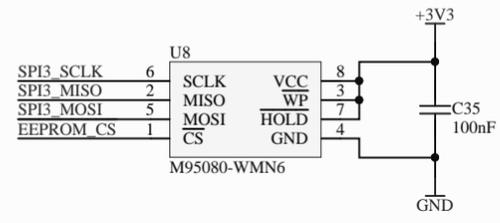
B

C

D

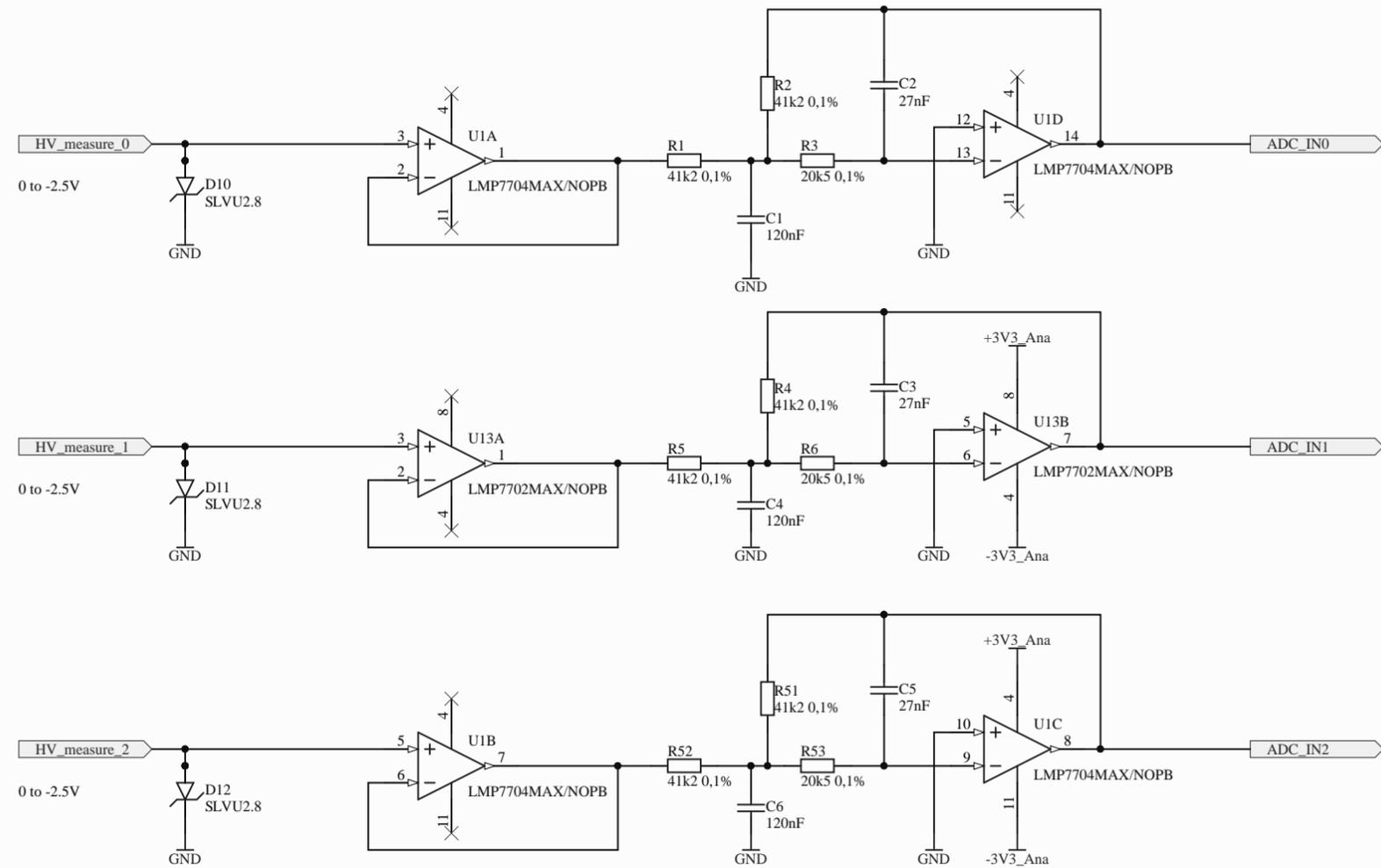


ADC 2V5 reference voltage

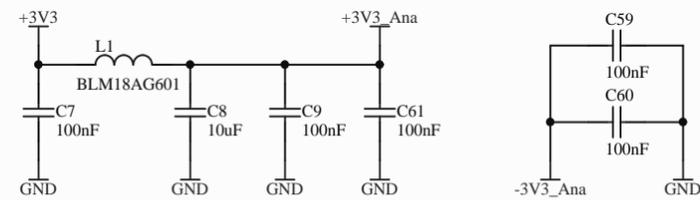


Remove jumper PWR\_SEL  
Remove resistor R2

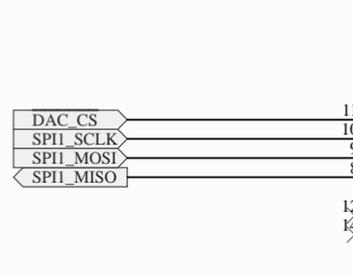
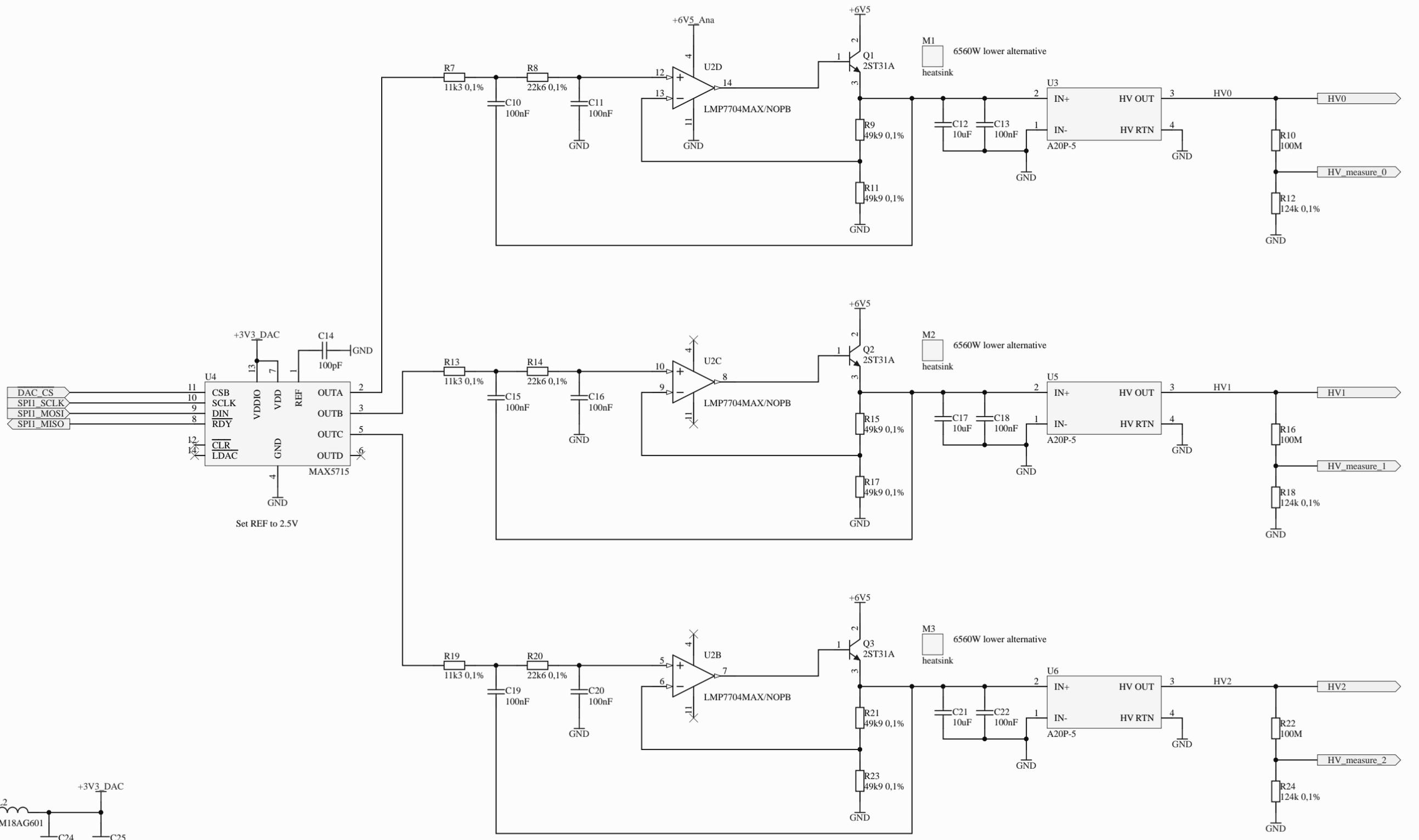
		<b>Title:</b> <b>Microcontroller</b>	
Drawn: TLa	Number: 2.	Rev: MLA-0387-A0-PA0	
Checked: GSc	Date: 22-5-2017	Sheet: 2 of: 6	
File: Microcontroller.SchDoc			



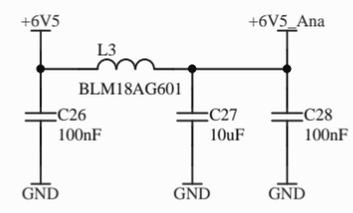
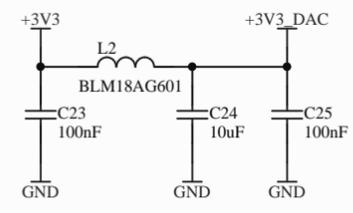
2nd order Butterworth filter  
 -3dB @ 100Hz  
 Gain= 1



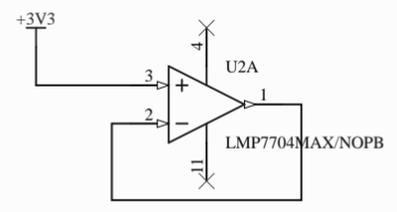
	<b>Title:</b> <b>Analog In</b>	
	<b>Drawn:</b> TLa	<b>Number:</b> 3.
<b>Checked:</b> GSc	<b>Date:</b> 22-5-2017	<b>Sheet:</b> 3 of 6
<b>File:</b> Analog in.SchDoc		



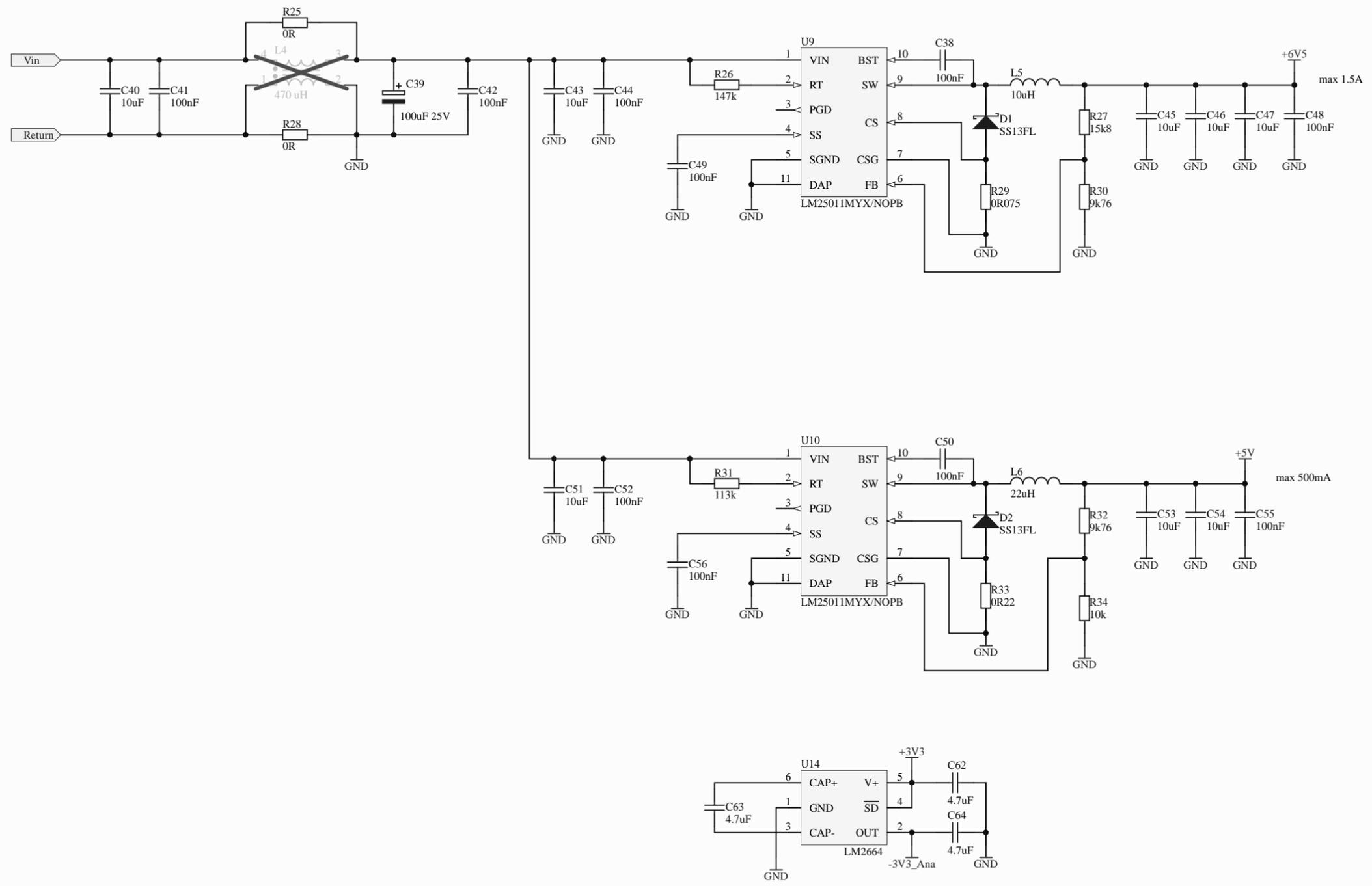
Set REF to 2.5V



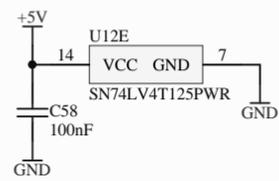
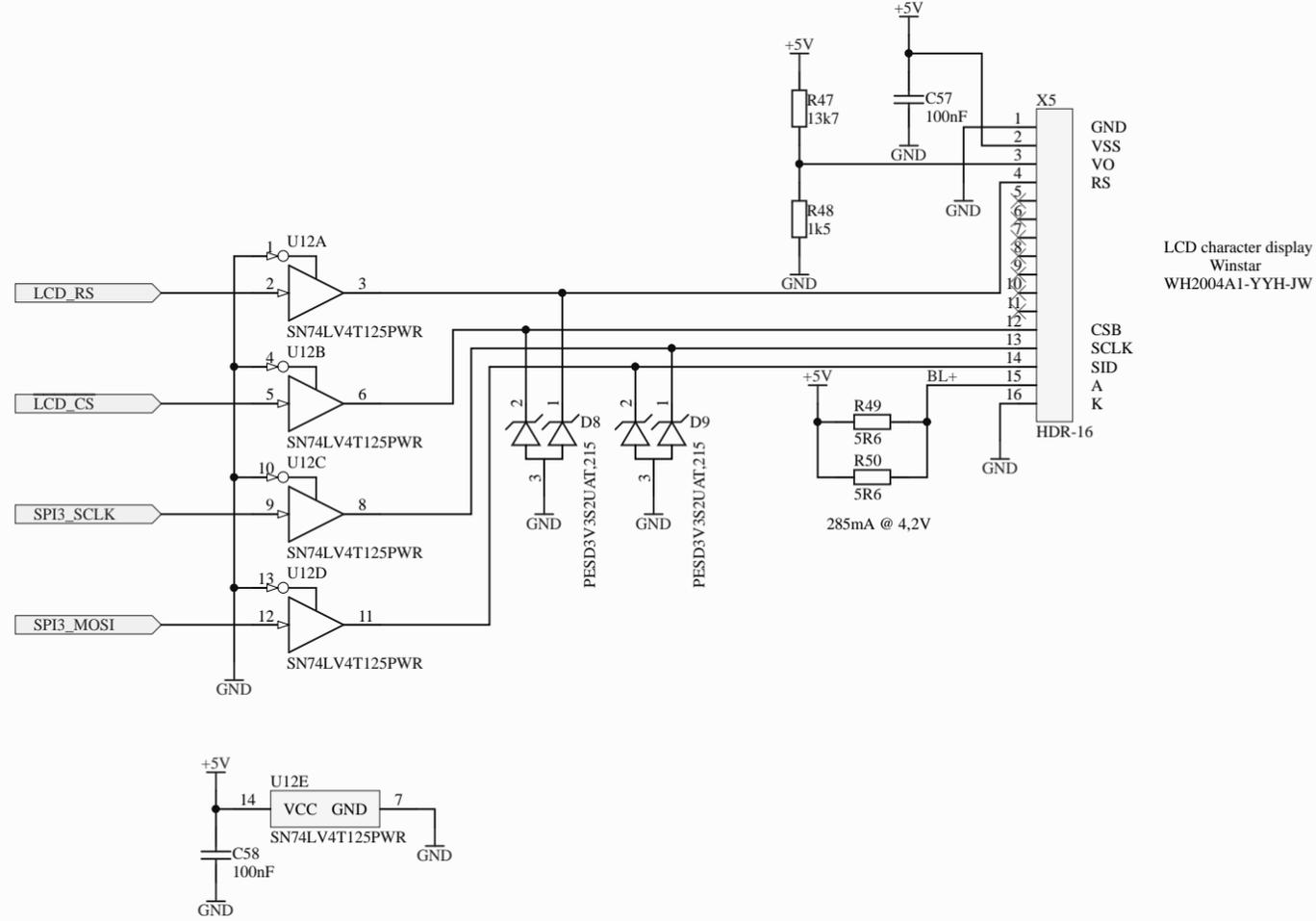
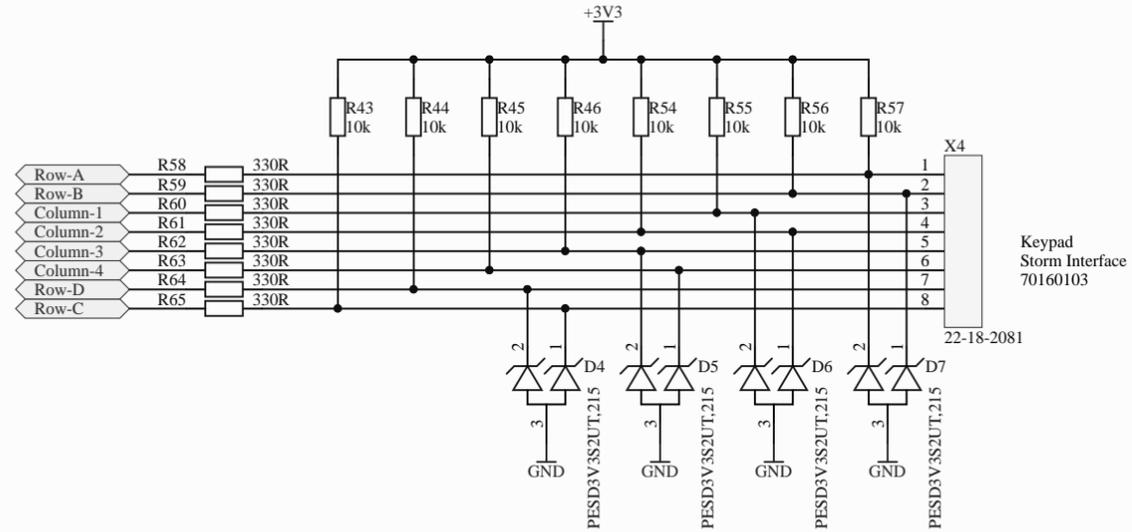
2nd order Butterworth filter  
-3dB @ 100Hz  
Gain= 2



		Title: <b>High Voltage Power Supplies</b>	
		Drawn: TLa	Number: 4.
Checked: GSc	Date: 22-5-2017	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> 22-5-2017	<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> 22-5-2017	<b>Sheet:</b> 6 of 6
<b>File:</b> User Interface.SchDoc		