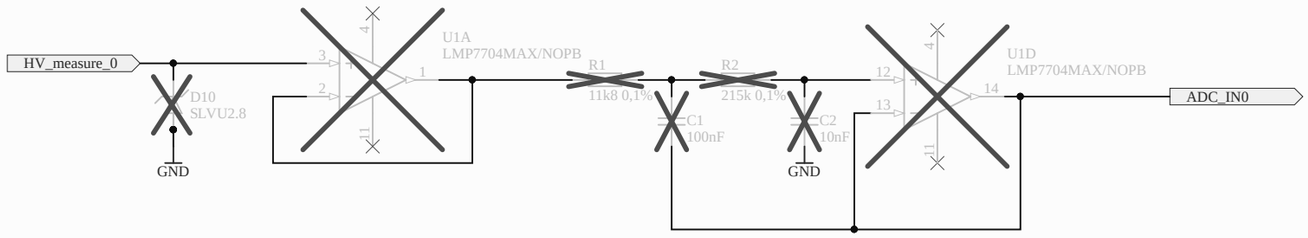
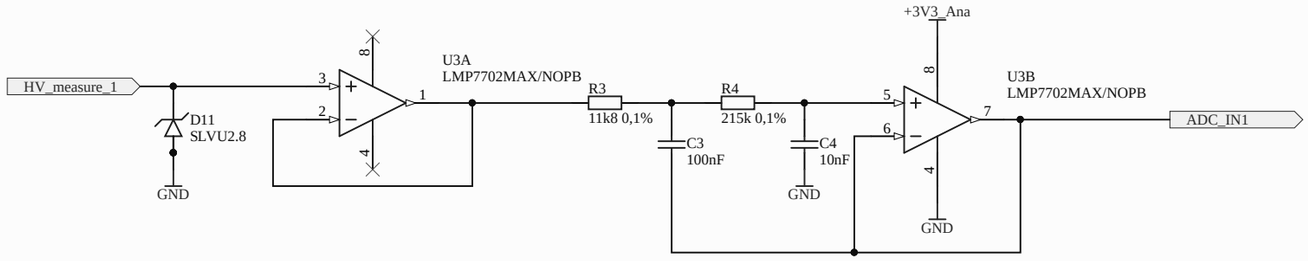
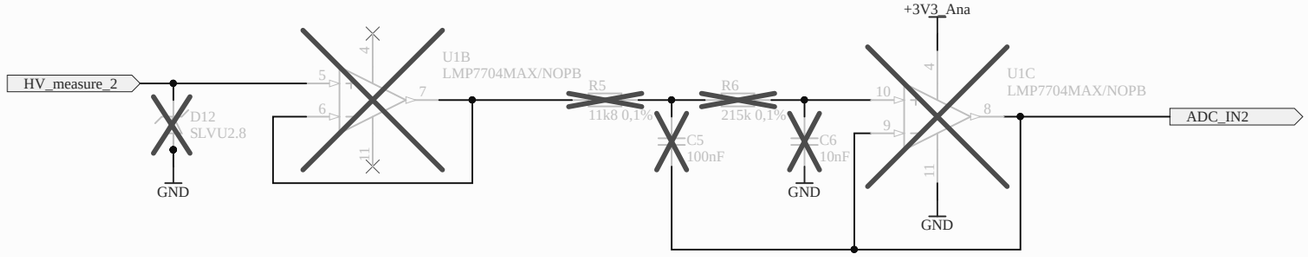
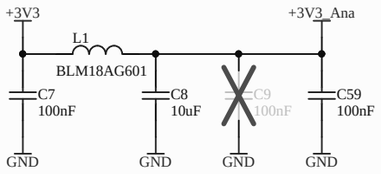


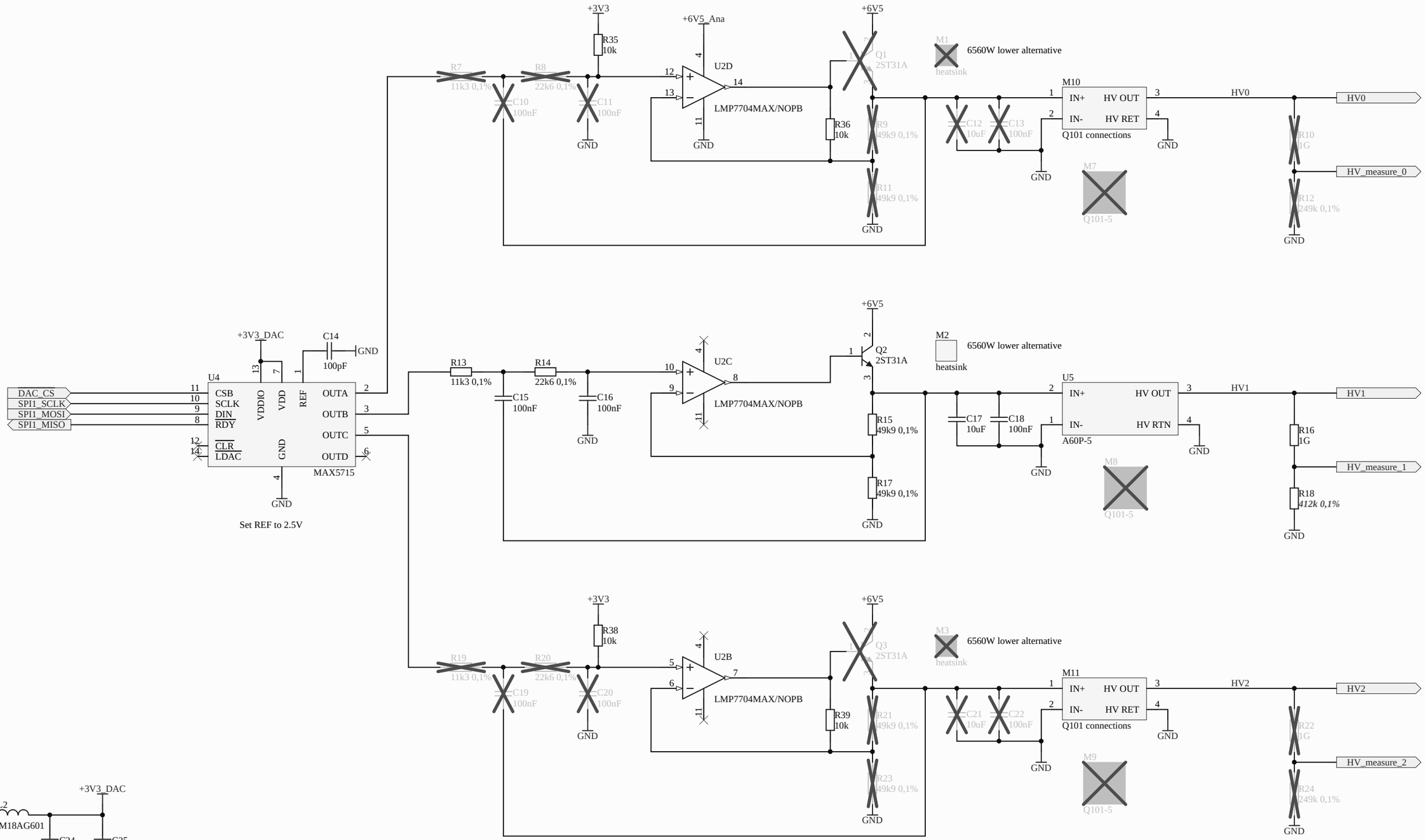




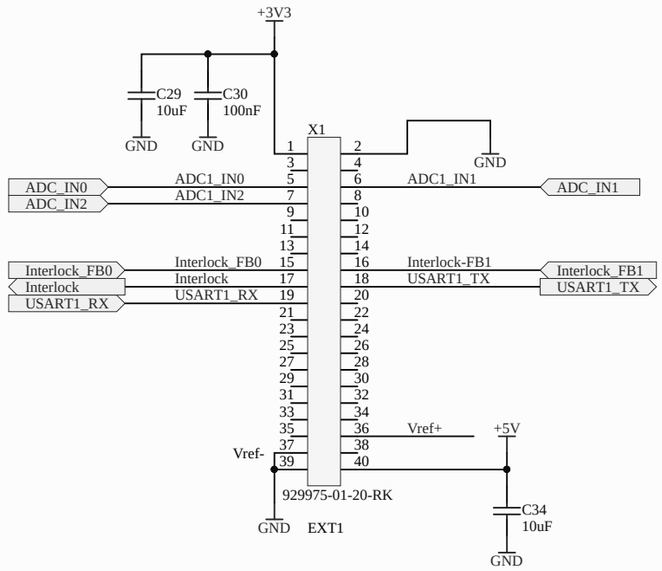
2nd order Butterworth filter
-3dB @ 100Hz
Gain= 1

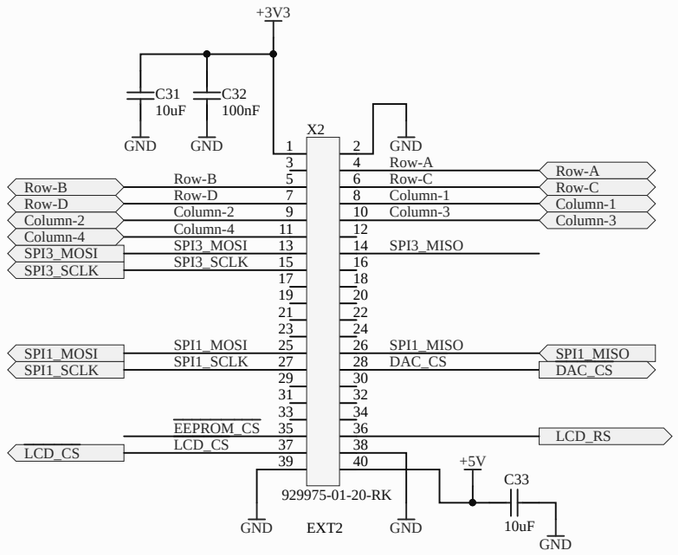


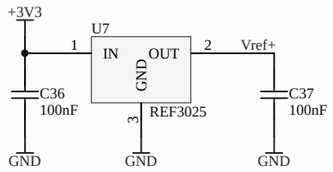
Micro-Key Embedded Technology Experts	Title: **Analog In**	
Drawn: TLa	Number: 1.	Rev:MLA-0387-A1 PA0
Checked: GSc	Date: 22-5-2017	Sheet: of: 6
File: Analog in.SchDoc		



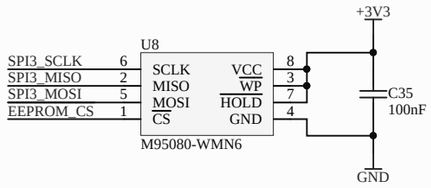
Micro·Key Embedded Technology Experts	Title: **High Voltage Power Supplies**	
Drawn: TLa	Number: 1.	Rev:MLA-0387-A1 PA0
Checked: GSc	Date: 22-5-2017	Sheet: of: 6
File: HV Power supplies.SchDoc		





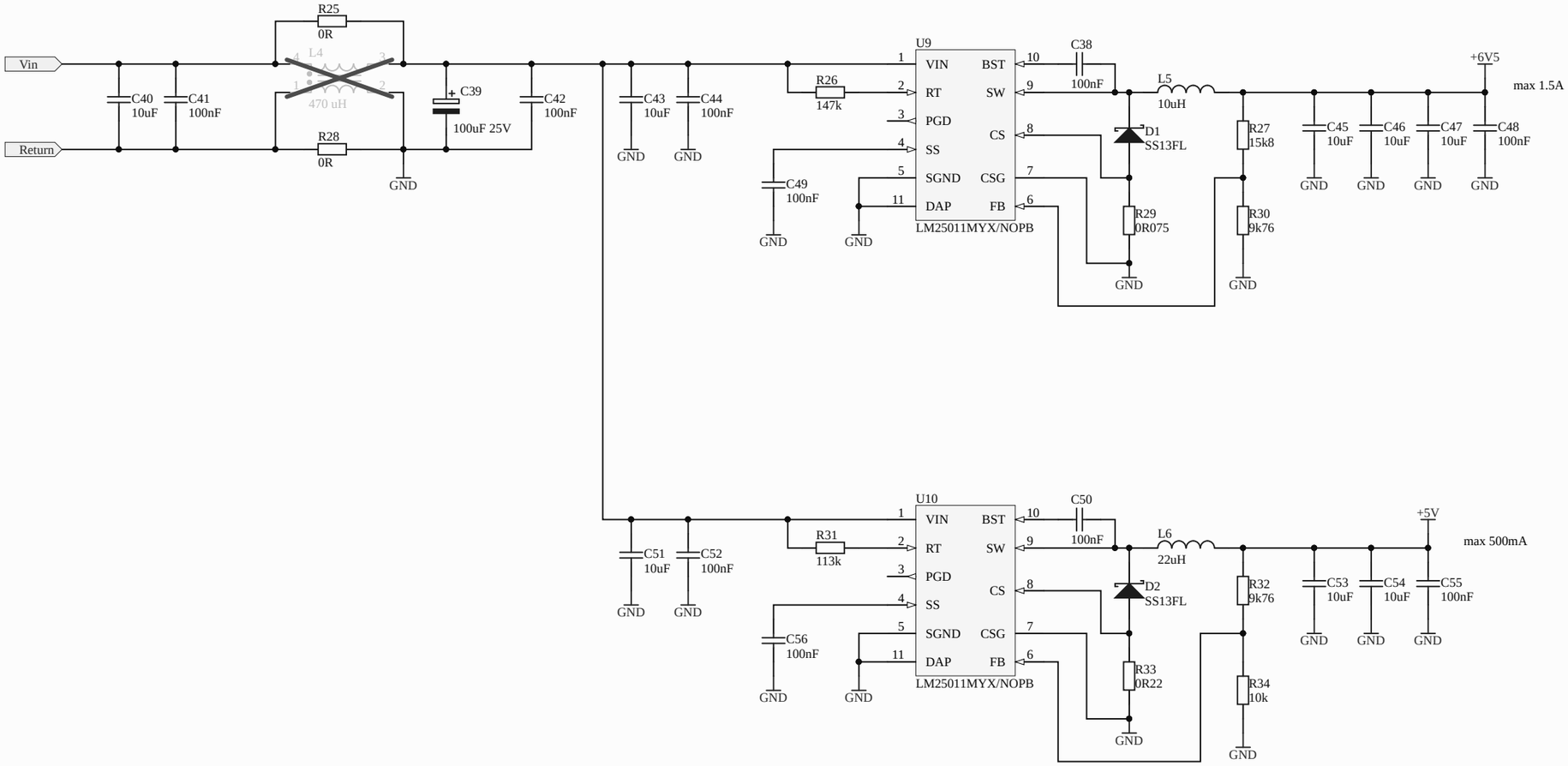


ADC 2V5 reference voltage

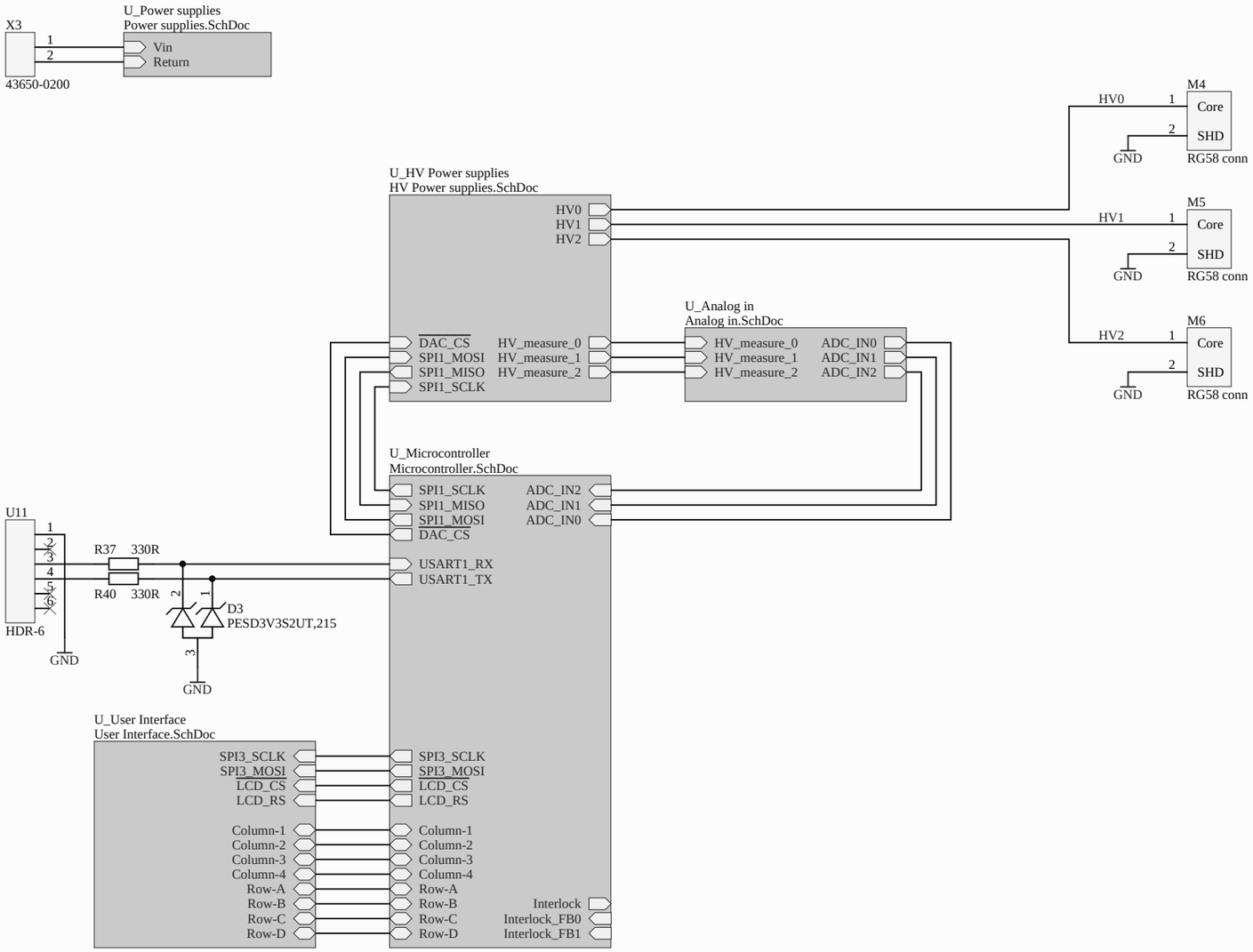


Remove jumper PWR_SEL
Remove resistor R2

Micro·Key Embedded Technology Experts	Title: **Microcontroller**	
Drawn: TLa	Number: 1.	Rev:MLA-0387-A1 PA0
Checked: GSc	Date: 22-5-2017	Sheet: of: 6
File: Microcontroller.SchDoc		



Micro·Key Embedded Technology Experts	Title: **Power Supplies**	
Drawn: TLa	Number: 1.	Rev:MLA-0387-A1 PA0
Checked: GSc	Date: 22-5-2017	Sheet: of: 6
File: Power supplies.SchDoc		

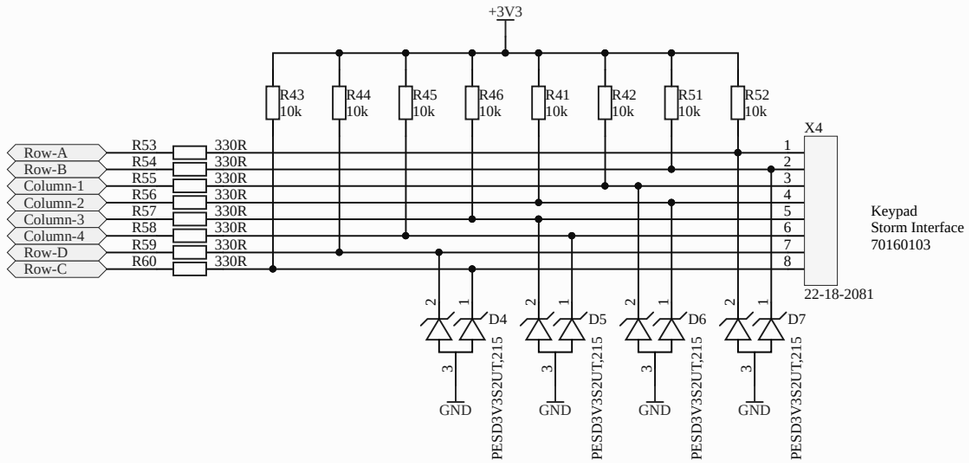


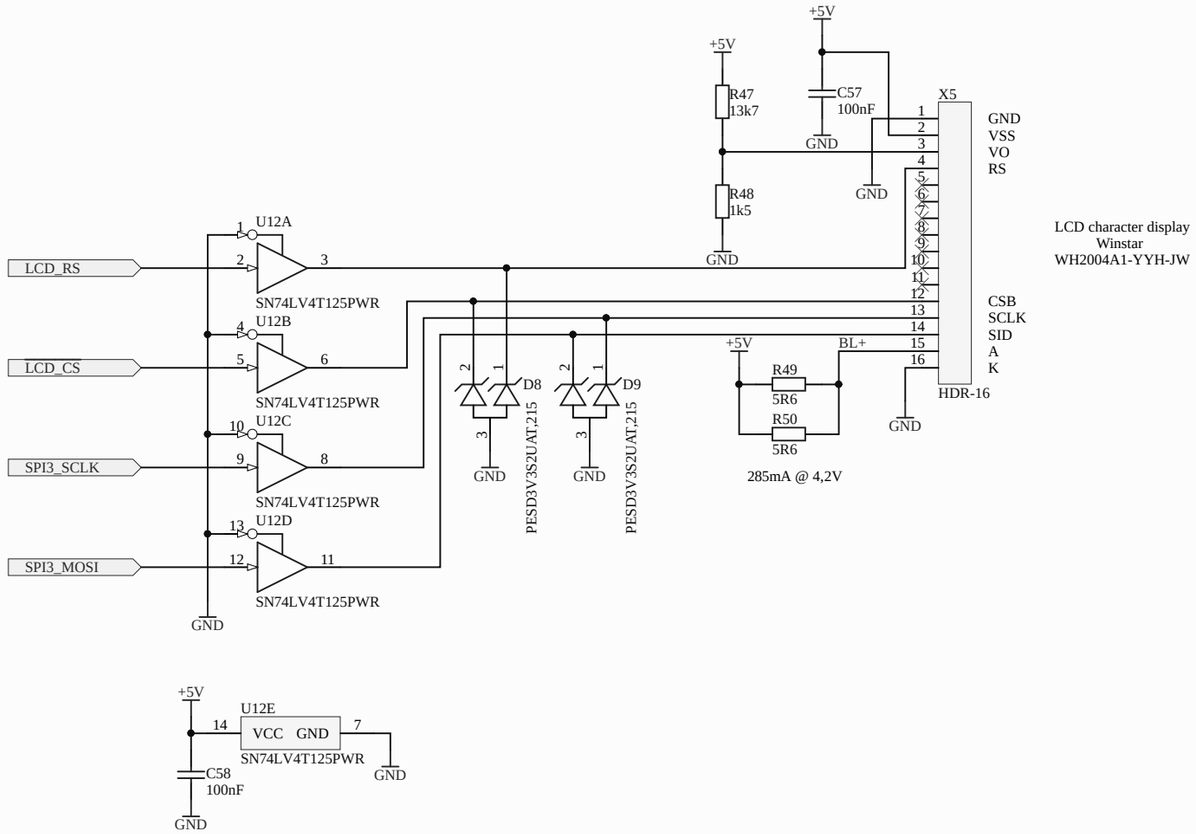
PCB1
MLA-0387-P1-PA0

FID1 FID2 FID3

MH1 3.5mm
MH2 3.5mm
MH3 3.5mm
MH4 3.5mm
MH5 3.5mm
MH6 3.5mm
MH7 2.5mm
MH8 2.5mm
MH9 2.5mm
MH10 2.5mm

Micro·Key Embedded Technology Experts	Title: **HSB MRTS Anode-Tesla Top**	
Drawn: TLa	Number: 1.	Rev:MLA-0387-A1 PA0
Checked: GSc	Date: 22-5-2017	Sheet: of: 6
File: Top.SchDoc		





Micro·Key Embedded Technology Experts	Title: **User Interface**	
Drawn: TLa	Number: 1.	Rev:MLA-0387-A1 PA0
Checked: GSc	Date: 22-5-2017	Sheet: of: 6
File: User Interface.SchDoc		