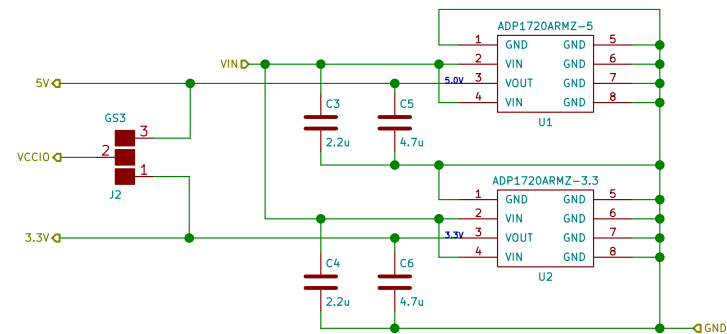


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File: ExternalPower.sch

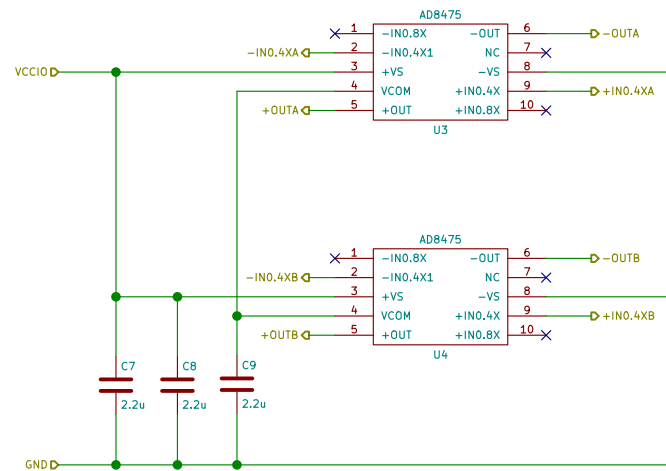
**Title: FOSSASIA – NeuroLab**

Size: A4 Date: 2018-11-17  
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1

**Rev: 2**  
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Sheet: /Power Regulator/ File: PowerRegulator.sch		
Title: FOSSASIA – NeuroLab		
Size: A4	Date: 2018-11-17	Rev: 2
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1		Id: 3/14



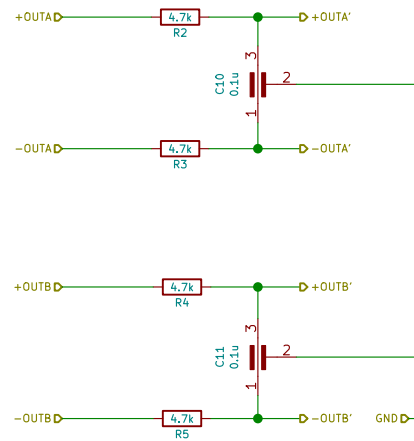
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File: Attenuator.sch

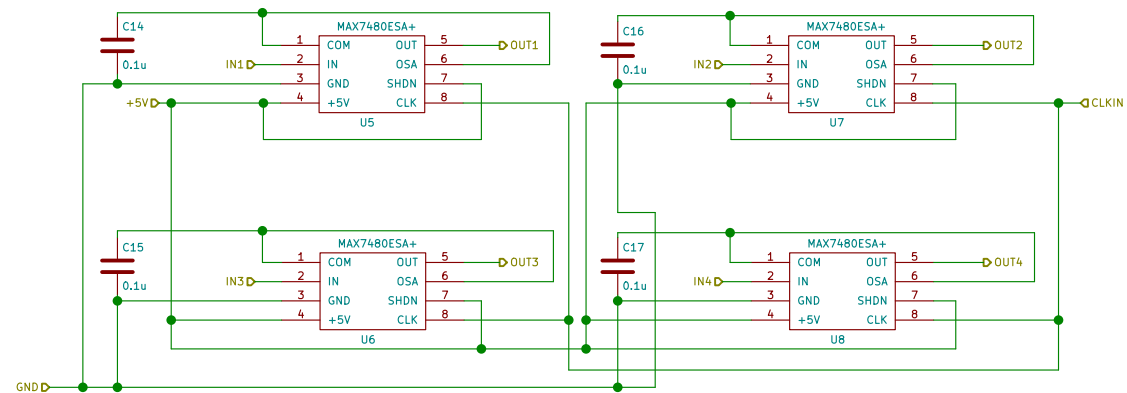
**Title: FOSSASIA – NeuroLab**

Size: A4  
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1

Date: 2018-11-17

Rev: 2  
Id: 4/14





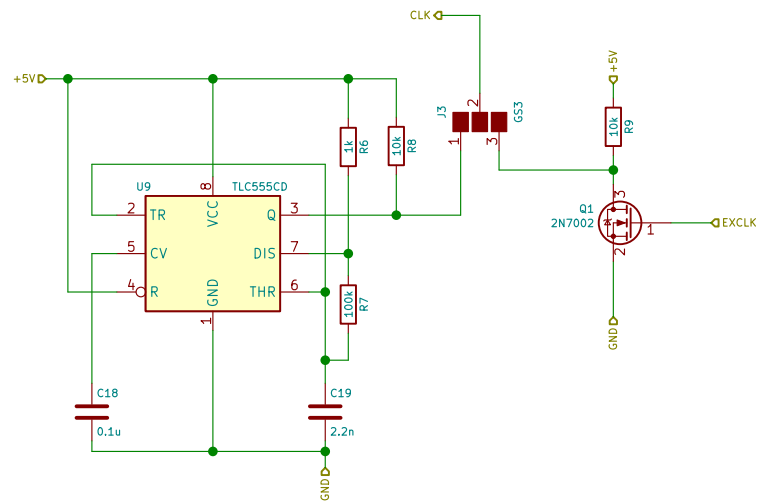
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File: MAX7480Block.sch

**Title: FOSSASIA – NeuroLab**

Size: A4  
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Date: 2018-11-17

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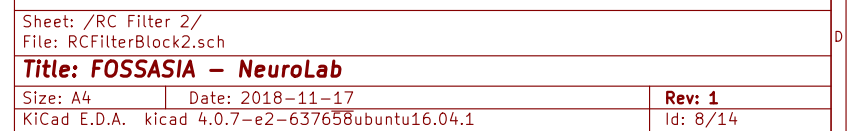
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File: ClockBlock.sch

**Title: FOSSASIA – NeuroLab**

Size: A4  
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1

Date: 2018-11-17

**Rev: 2**  
Id: 7/14



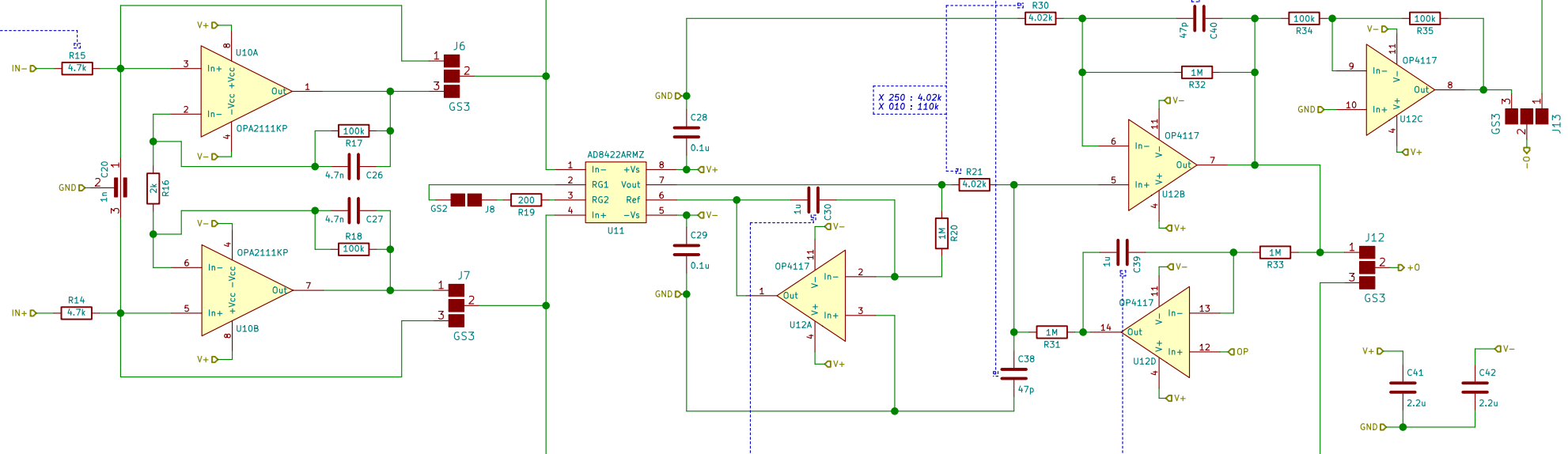


RFI, EMI Filter  
 $F = 1/2\pi RC$   
 Source = 4.7k : 1nF : 33.8 kHz  
 Source = 15k : 1nF : 10.6 kHz  
 Source = 100k : 1nF : 1.59 kHz  
 Source = 1M : 1nF : 0.16 kHz

High Cut  
 47 pF --> 3390 Hz  
 470 pF --> 339 Hz

X 250 : 4.02k  
 X 010 : 110k

Low Cut  
 0.159 Hz --> 1.0 uF  
 1.590 Hz --> 0.1 uF



Sheet: /Amplifier Block 1/  
 File: Amplifier.sch

**Title: FOSSASIA – NeuroLab**

Size: A4  
 KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1

Date: 2018-11-17  
 Id: 9/14

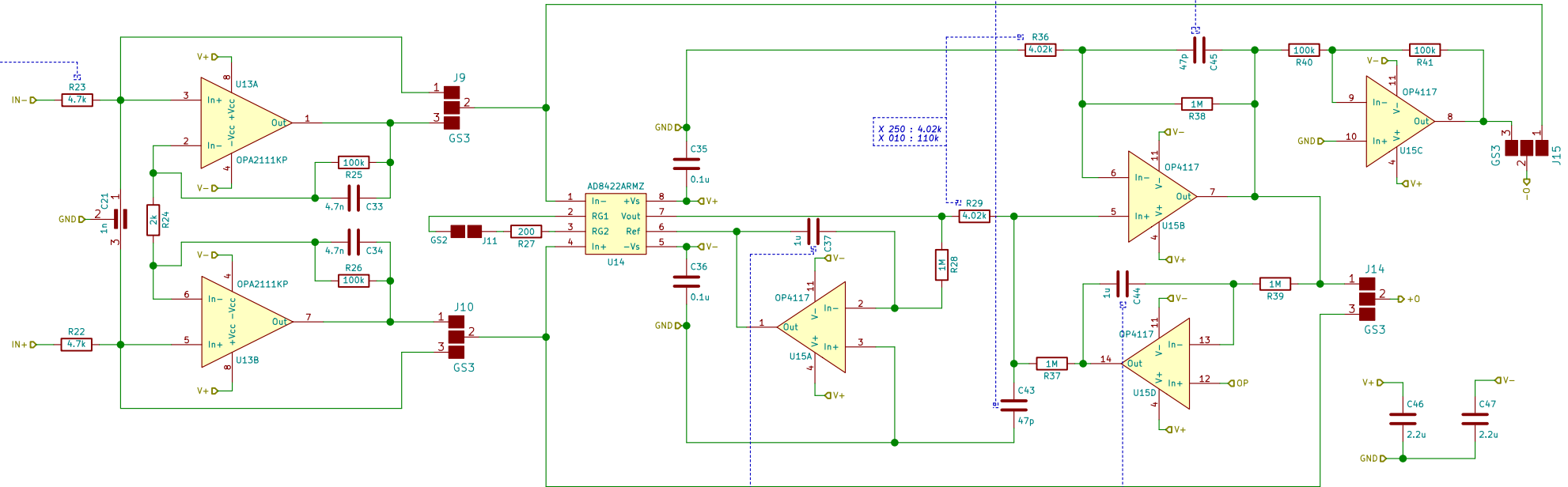
Rev: 2

RFI, EMI Filter  
 $F = 1/2\pi RC$   
 Source = 4.7k : 1nF : 33.8 kHz  
 Source = 15k : 1nF : 10.6 kHz  
 Source = 100k : 1nF : 1.59 kHz  
 Source = 1M : 1nF : 0.16 kHz

High Cut  
 47 pF --> 3390 Hz  
 470 pF --> 339 Hz

X 250 : 4.02k  
 X 010 : 110k

Low Cut  
 0.159 Hz --> 1.0 uF  
 1.590 Hz --> 0.1 uF



Sheet: /Amplifier Block 2/  
 File: Amplifier.sch

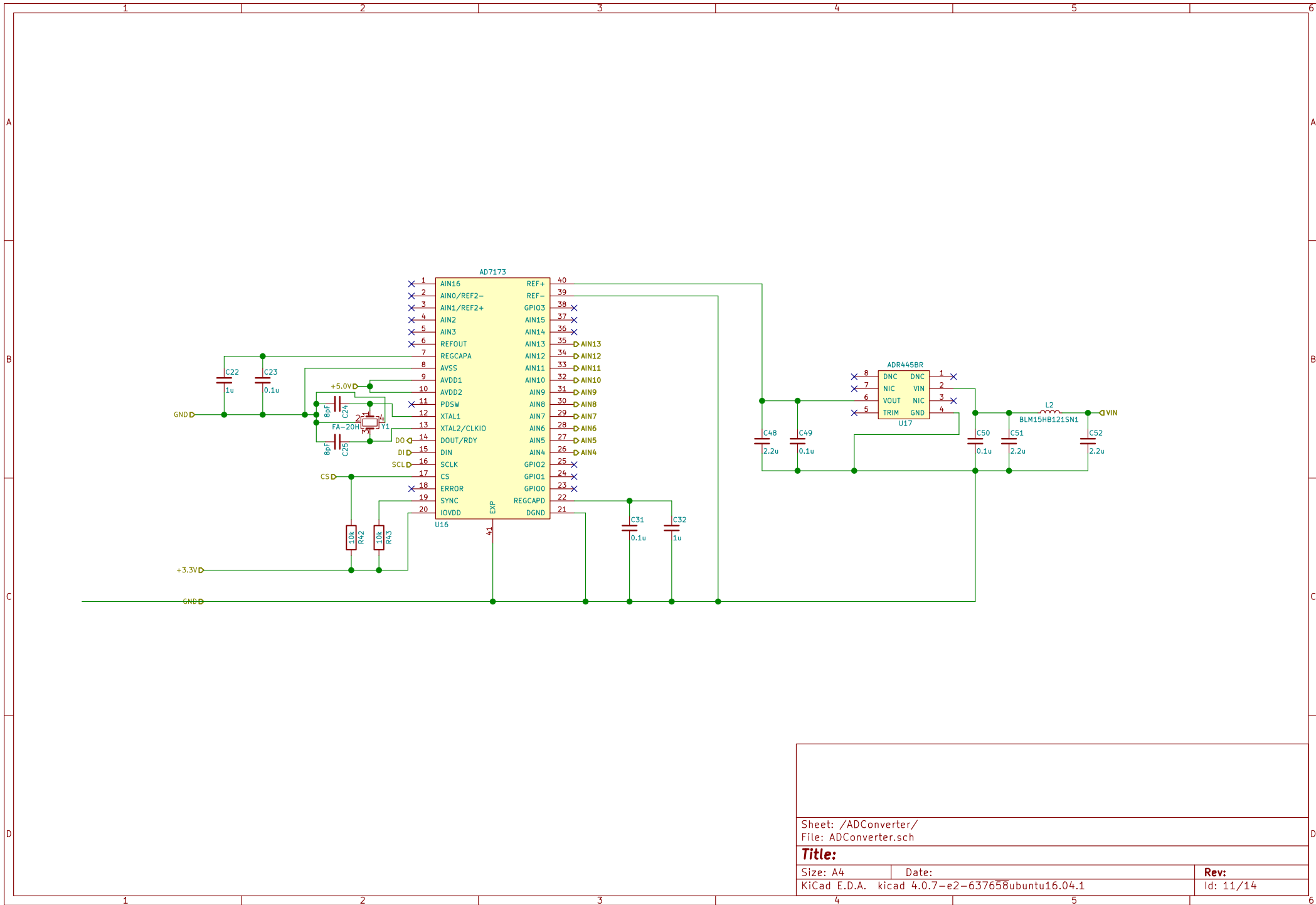
**Title: FOSSASIA – NeuroLab**

Size: A4 Date: 2018-11-17

KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1

**Rev: 2**

Id: 10/14



Sheet: /ADConverter/  
File: ADConverter.sch

**Title:**

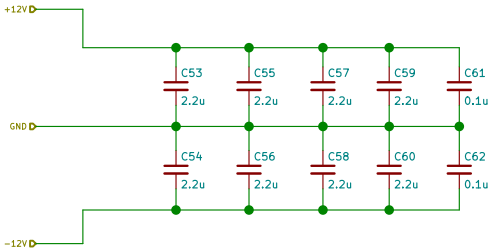
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Date:

KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1

Rev:

Id: 11/14

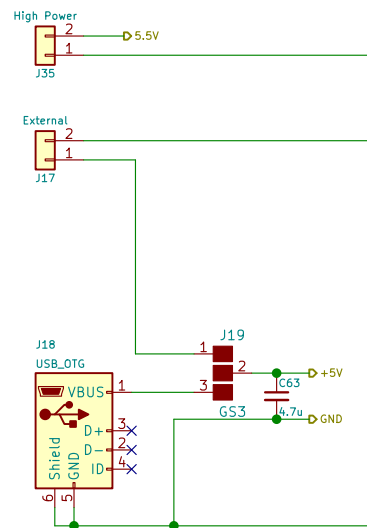


Sheet: /Cap Bank/  
File: CapBank.sch

**Title:**

Size: A4      Date:      KiCad E.D.A.   kicad 4.0.7-e2-637658ubuntu16.04.1

**Rev:**  
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Sheet: /USB Power/ File: USBPower.sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 4.0.7-e2-637658ubuntu16.04.1		Id: 13/14

