

Filip Piórski

Sheet: /sheet601E8B7D/

File: ClockGen.sch

**Title: 32.786kHz Quartz Clock Generator**

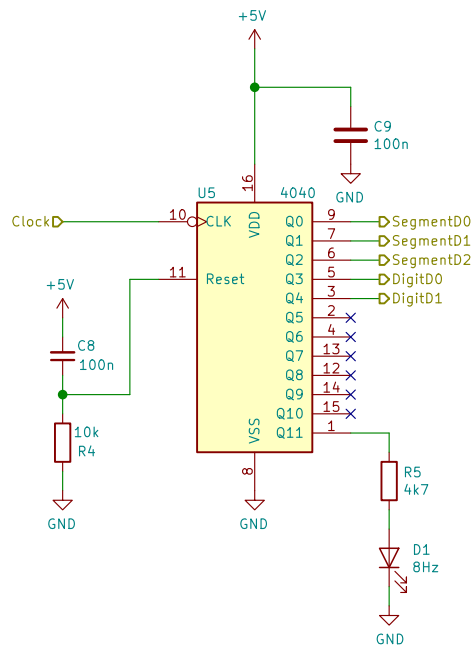
Size: A4

Date: 2021-04-20

Rev: 2.0

KiCad E.D.A. kicad 5.0.2+dfsg1-1

Id: 2/13



**Filip Piórski**

Sheet: /sheet601E8B7E/

File: StateCounter.sch

**Title: State Counter**

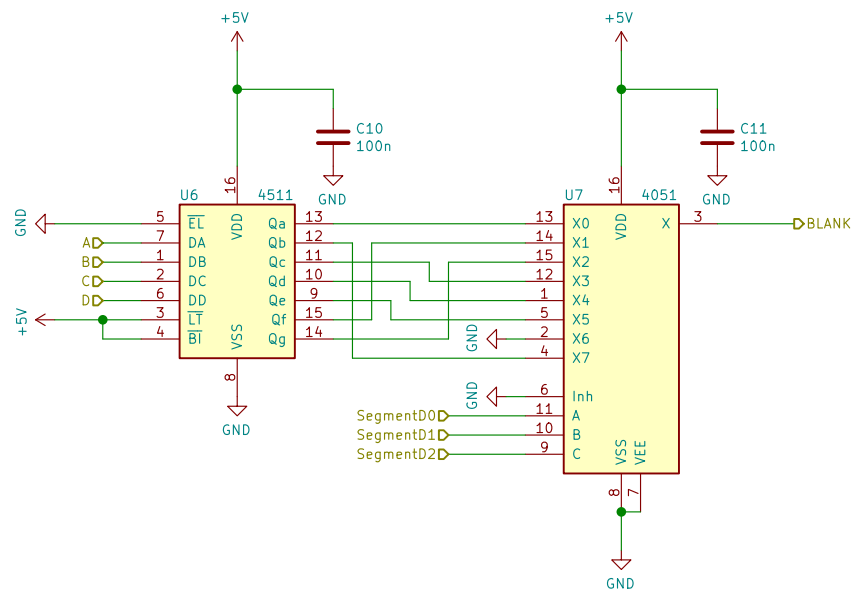
Size: A4

Date: 2021-04-20

**Rev: 2.0**

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Id: 3/13



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Sheet: /sheet601E8B7F/

File: BCDto7seg.sch

**Title: Blanking Signal Generator**

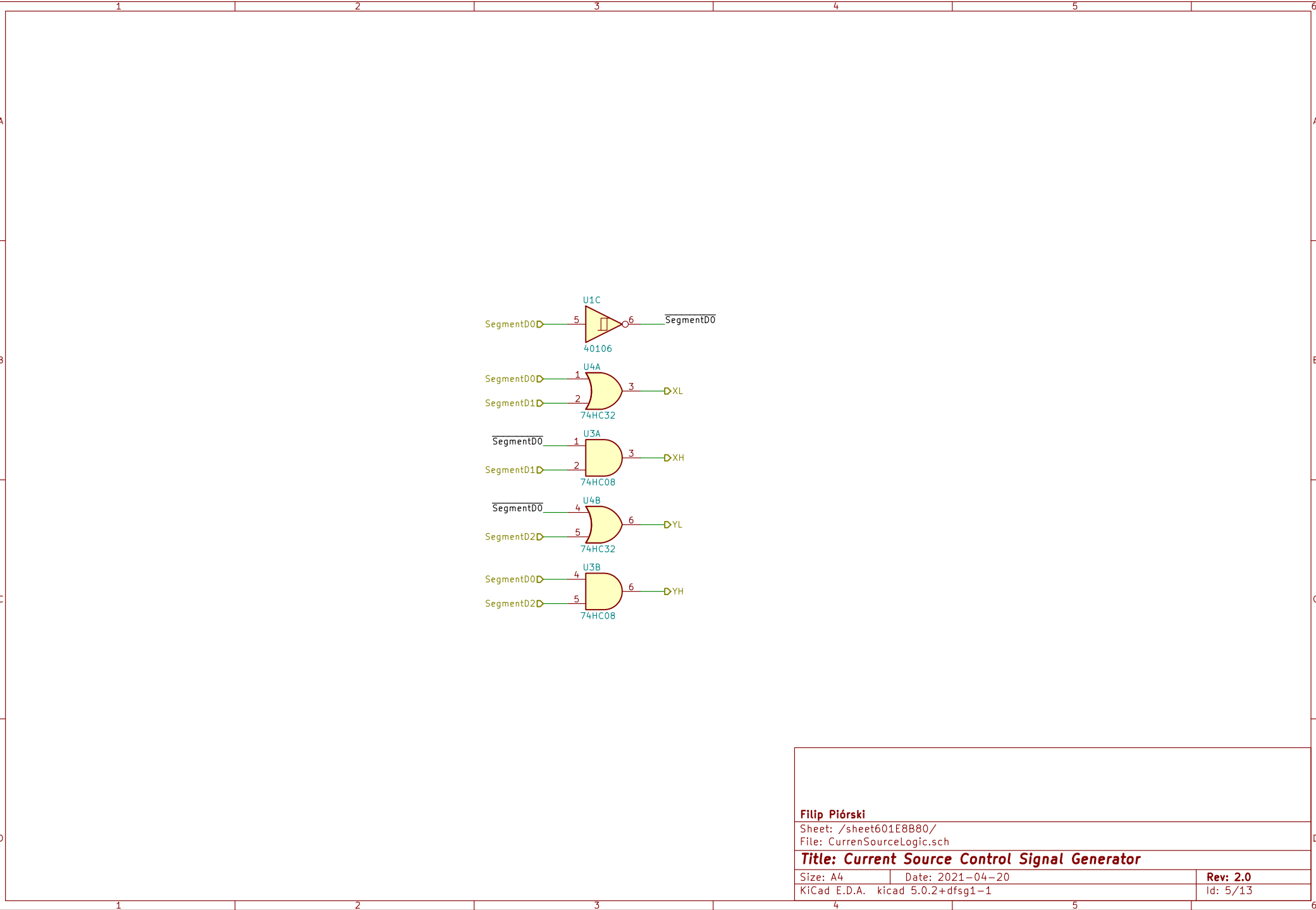
Size: A4

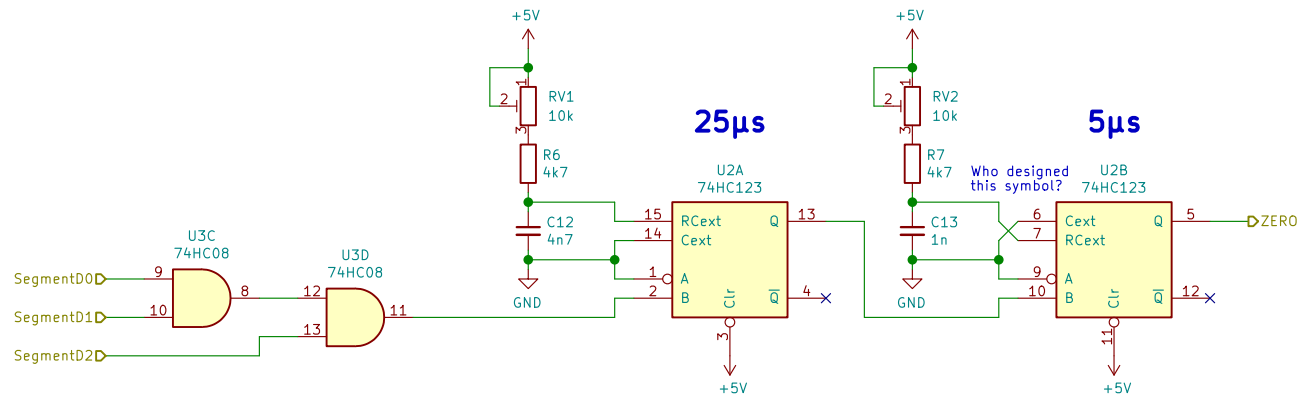
Date: 2021-04-20

Rev: 2.0

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Id: 4/13





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Sheet: /sheet601E8B81/

File: ZeroingCircuitry.sch

**Title: Zero Signal Generator**

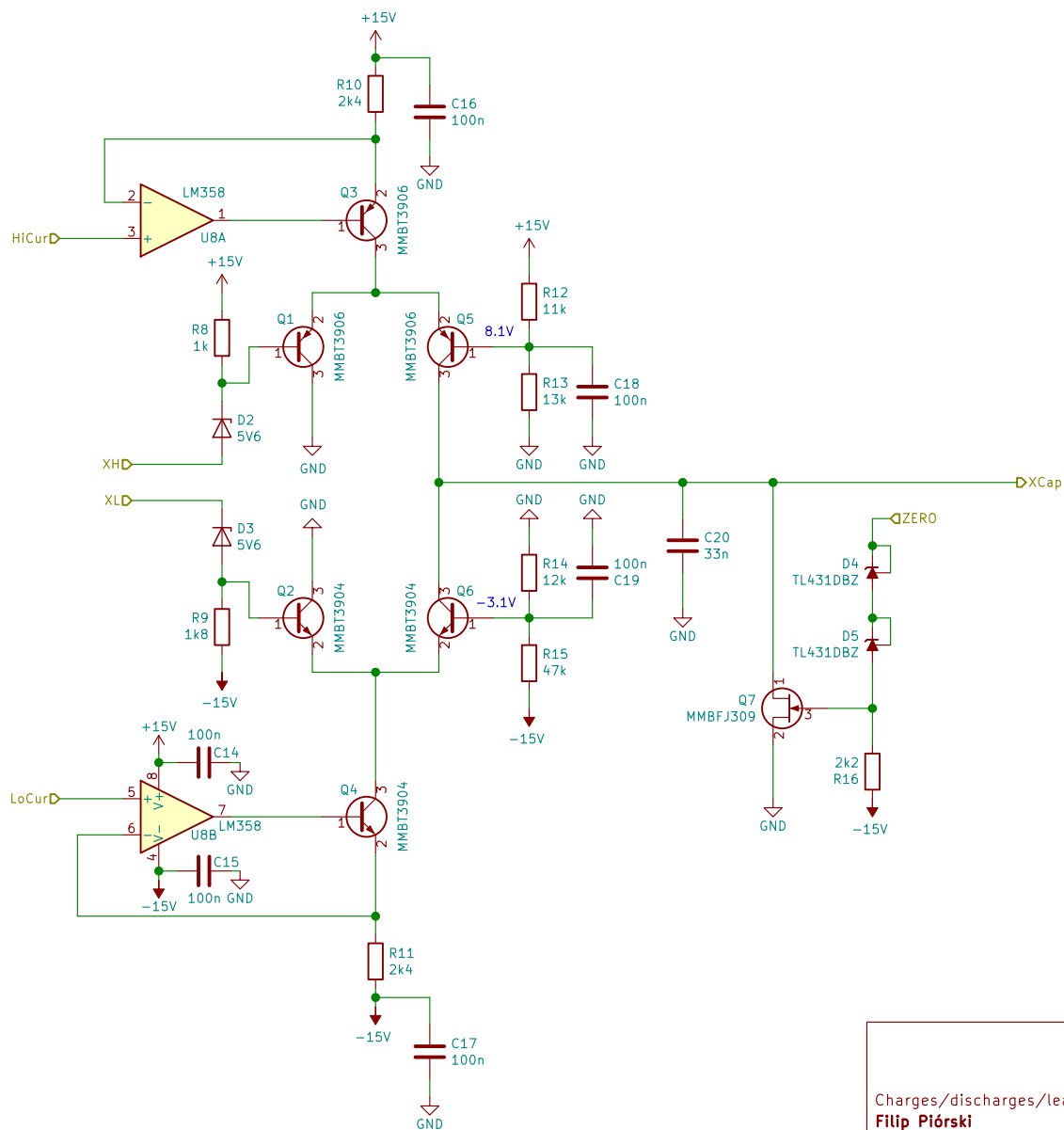
Size: A4

Date: 2021-04-20

Rev: 2.0

KiCad E.D.A. kicad 5.0.2+dfsg1-1

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Charges/discharges/leaves the signal cap alone

**Filip Piórski**

Sheet: /sheet601E8B82/

File: XCurrentSource.sch

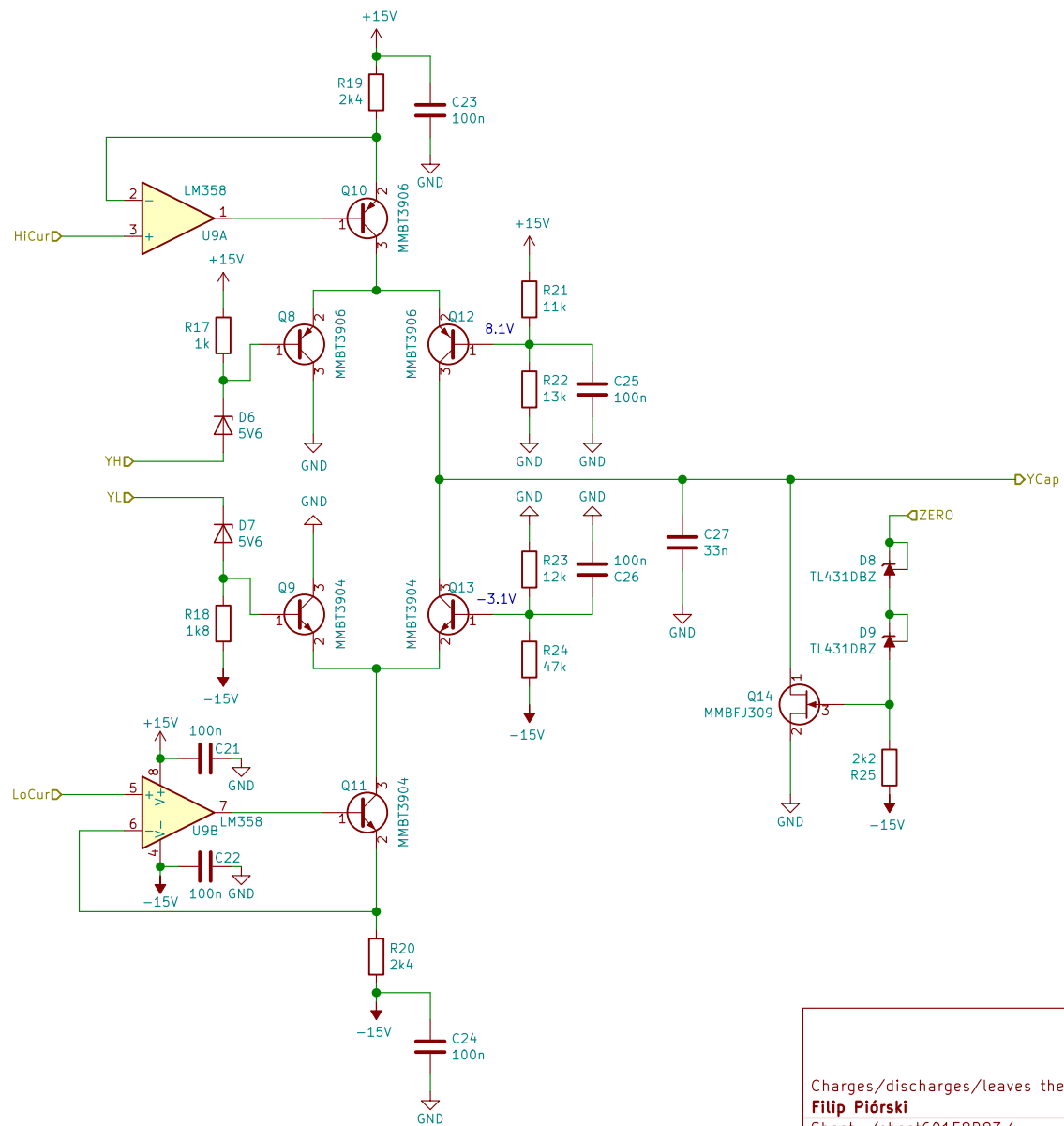
**Title: X Current Source**

Size: A4 Date: 2021-04-20

KiCad E.D.A. kicad 5.0.2+dfsg1-1

**Rev: 2.0**

Id: 7/13



Charges/discharges/leaves the signal cap alone

**Filip Piórski**

Sheet: /sheet601E8B83/

File: YCurrentSource.sch

**Title: Y Current Source**

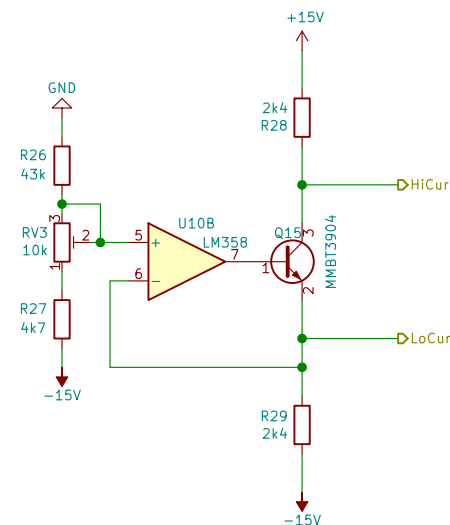
Size: A4 Date: 2021-04-20

KiCad E.D.A. kicad 5.0.2+dfsg1-1

**Rev: 2.0**

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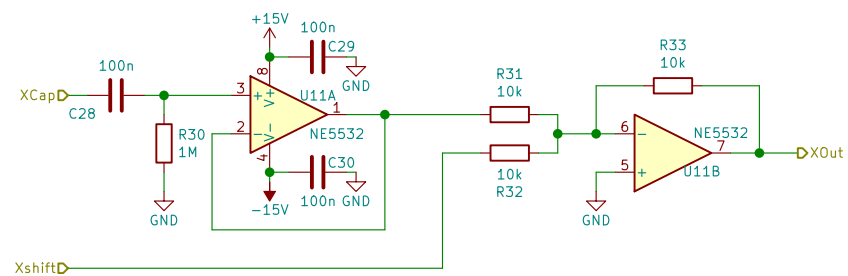


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Sheet: /sheet601E8B84/  
File: CurrentSet.sch

Title: Size Adjustment

Size: A4	Date: 2021-04-20	Rev: 2.0
KiCad E.D.A.	kiCad 5.0.2+dfsg1-1	Id: 9/13



Buffers the X signal and adds an offset (shift)

**Filip Piórski**

Sheet: /sheet601E8B85/

File: XBufferAdder.sch

**Title: X Buffer/Adder**

Size: A4

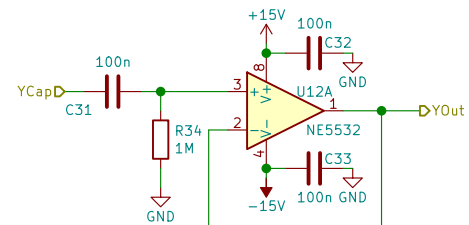
Date: 2021-04-20

**Rev: 2.0**

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Id: 10/13

## Y buffer



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Sheet: /sheet601E8B86/

File: YBuffer.sch

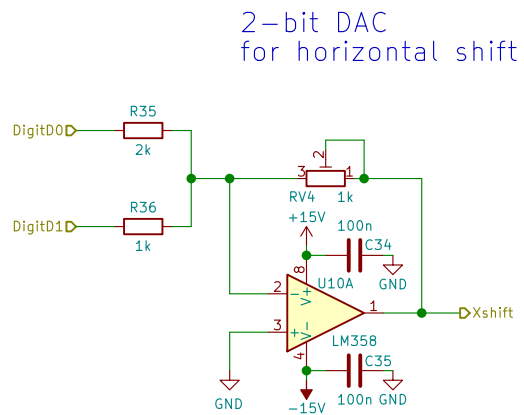
**Title: Y Buffer**

Size: A4 Date: 2021-04-20

KiCad E.D.A. kicad 5.0.2+dfsg1-1

**Rev: 2.0**

Id: 11/13



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Sheet: /sheet601E8B87/

File: XShiftGenerator.sch

**Title: Horizontal Shift Generator**

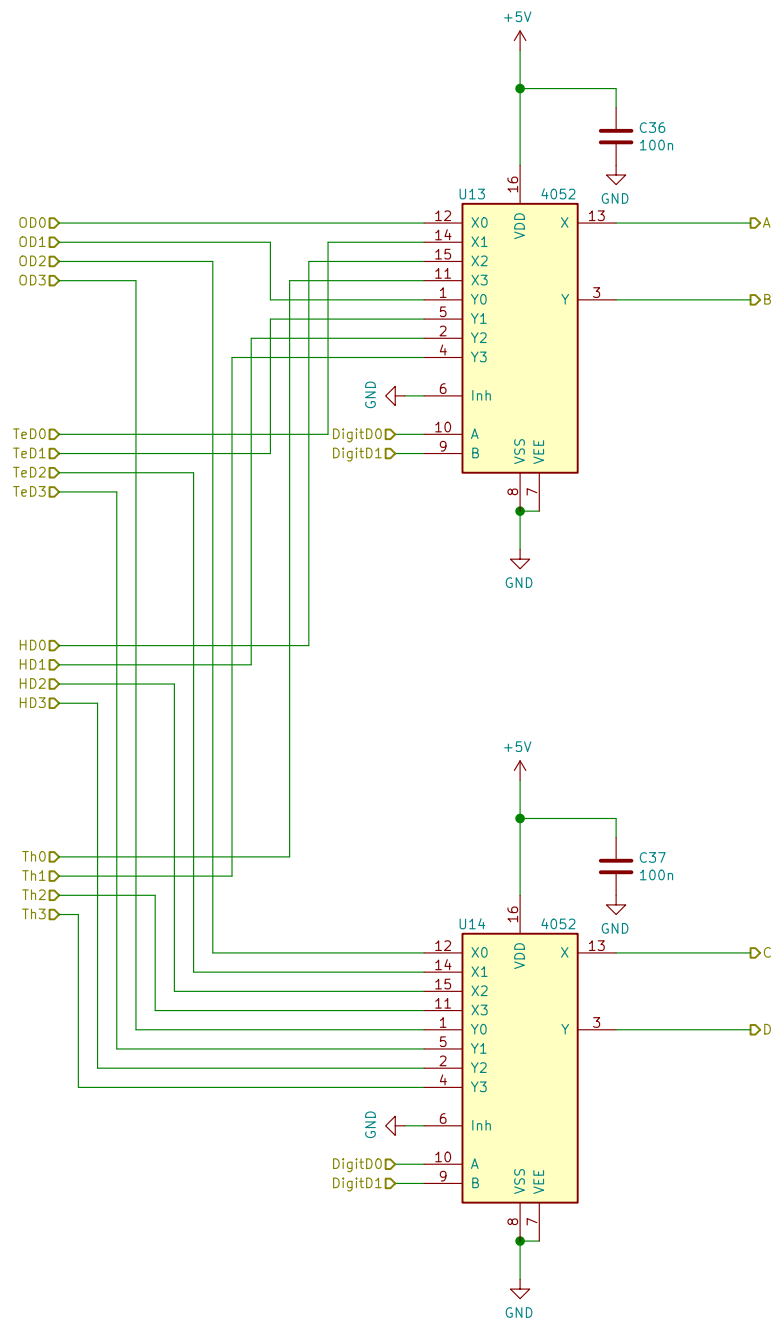
Size: A4

Date: 2021-04-20

Rev: 2.0

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Sheet: /sheet601E8B88/

File: InputMuxes.sch

**Title: Input Multiplexer**

Size: A4 Date: 2021-04-20

KiCad E.D.A. kicad 5.0.2+dfsg1-1

Rev: 2.0

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