

The Incrementor

01. Table of Contents

02. +12V Power Input

03. +3.3V Power Supply

04. Oscillator

05. Clock Selection

06. Status LEDs

07. Pushbuttons

08. External Clock

09. Stage 1

10. Stage 2

11. Stage 3

12. Stage 4

13. Stage 5

14. Stage 6

15. Stage 7

16. Stage 8

17. Stage 9

18. Stage 10

19. Clock Output

20. Mechanical

Sheet: +12V Power Input

File: POS12_Power_Input.sch

Sheet: +3.3V Power Supply

File: POS3P3_Power_Supply.sch

Sheet: Oscillator

File: Oscillator.sch

Sheet: Clock Selection

File: Clock_Selection.sch

Sheet: Status LEDs

File: Status_LEDs.sch

Sheet: Pushbuttons

File: Pushbuttons.sch

Sheet: External Clock

File: External_Clock.sch

Sheet: Stage_01

File: Stage_01.sch

Sheet: Stage_02

File: Stage_02.sch

Sheet: Stage_03

File: Stage_03.sch

Sheet: Stage_04

File: Stage_04.sch

Sheet: Stage_05

File: Stage_05.sch

Sheet: Stage_06

File: Stage_06.sch

Sheet: Stage_07

File: Stage_07.sch

Sheet: Stage_08

File: Stage_08.sch

Sheet: Stage_09

File: Stage_09.sch

Sheet: Stage_10

File: Stage_10.sch

Sheet: Clock Output

File: Clock_Output.sch

Sheet: Mechanical

File: Mechanical.sch

Drew Maatman

Sheet: /

File: Incrementor.sch

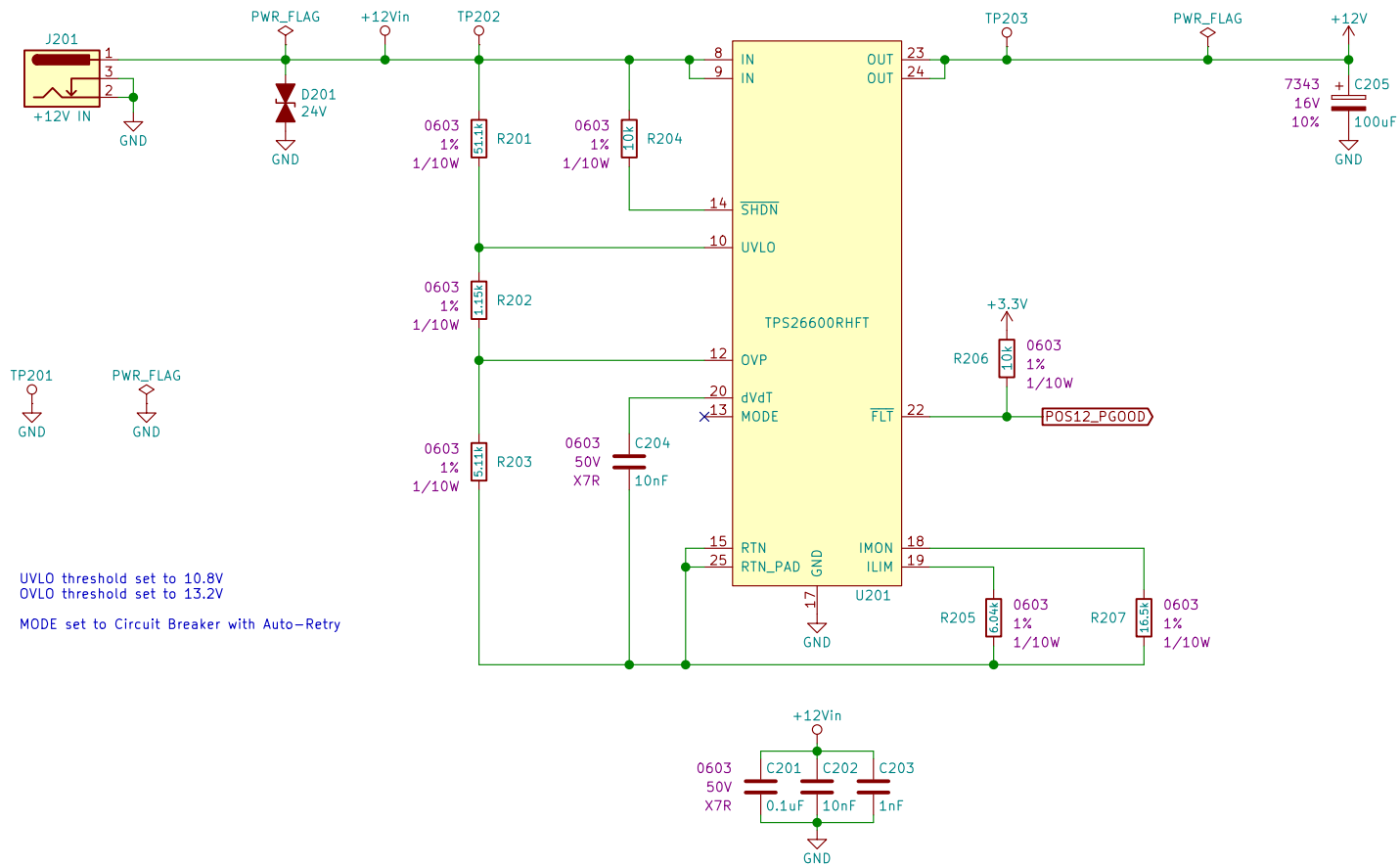
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 1/20



Drew Maatman

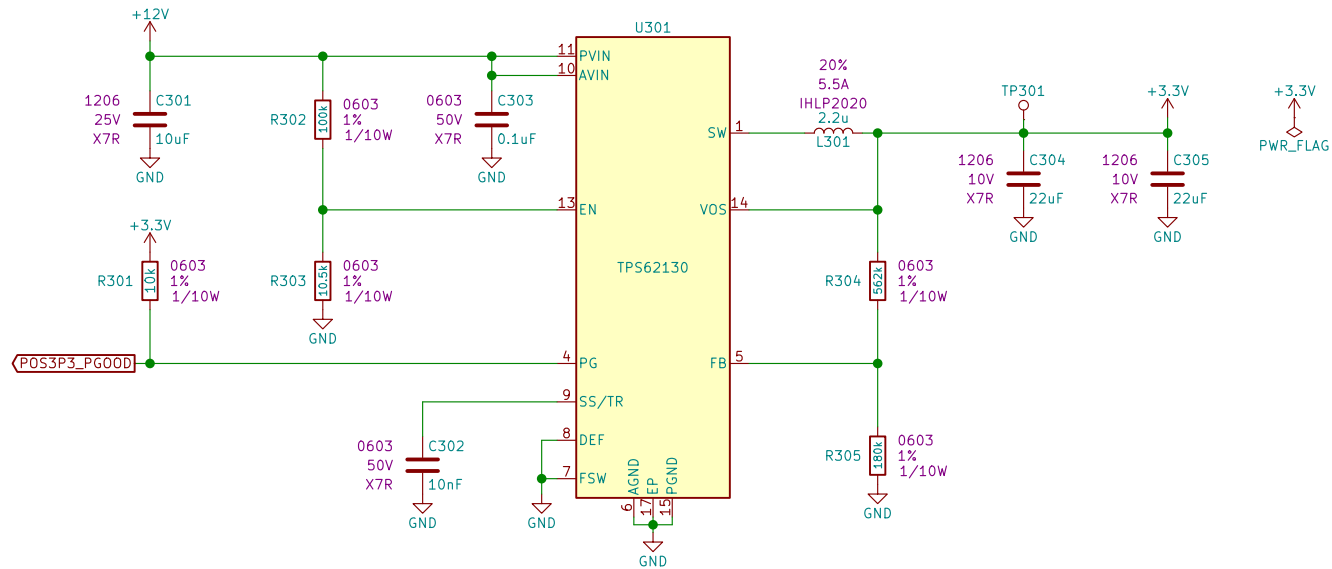
Sheet: /+12V Power Input/
File: POS12_Power_Input.sch

Title: Incrementor

Size: A Date: 2019-09-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 2/20

03. +5V Power Supply

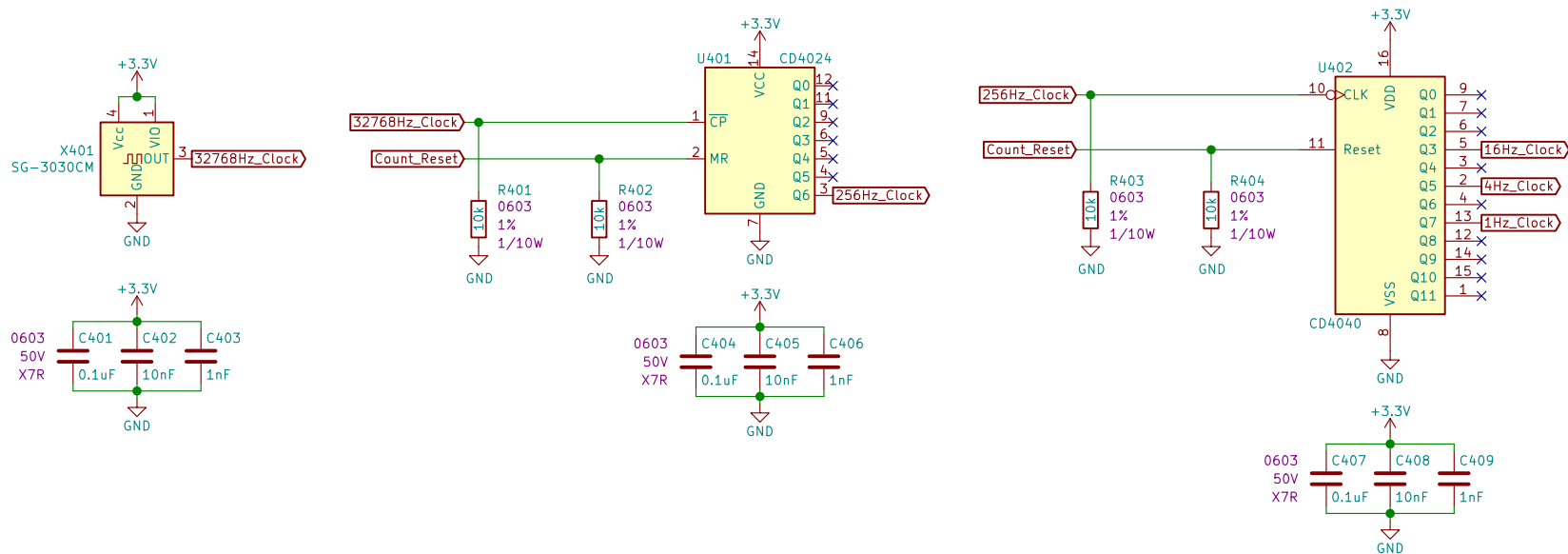


Sheet: /+3.3V Power Supply/
File: POS3P3_Power_Supply.sch

Title: QI Charger

Size: A Date: 2019-01-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 3/20



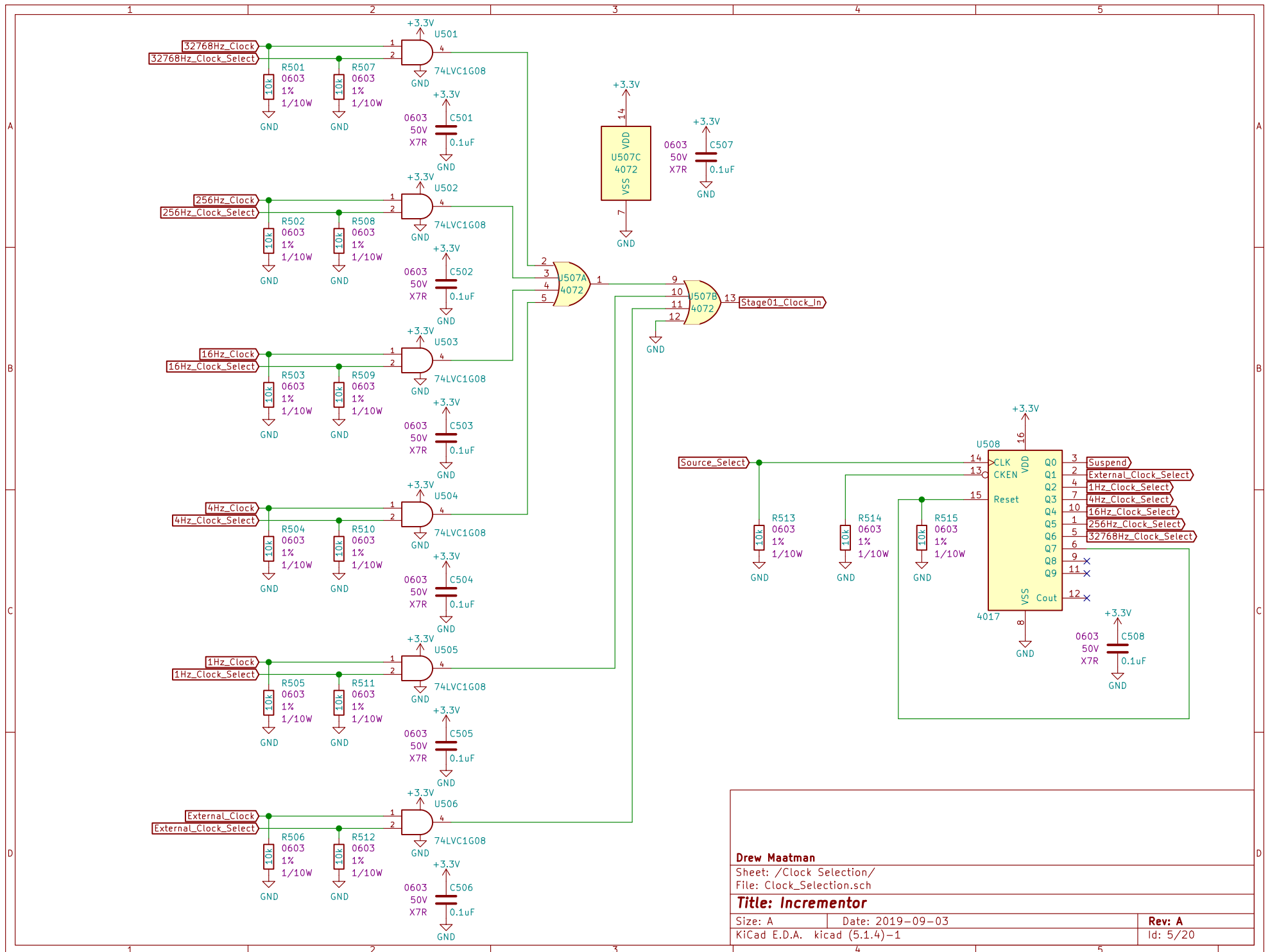
Drew Maatman

Sheet: /Oscillator/
File: Oscillator.sch

Title: Incrementor

Size: A Date: 2019-09-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 4/20



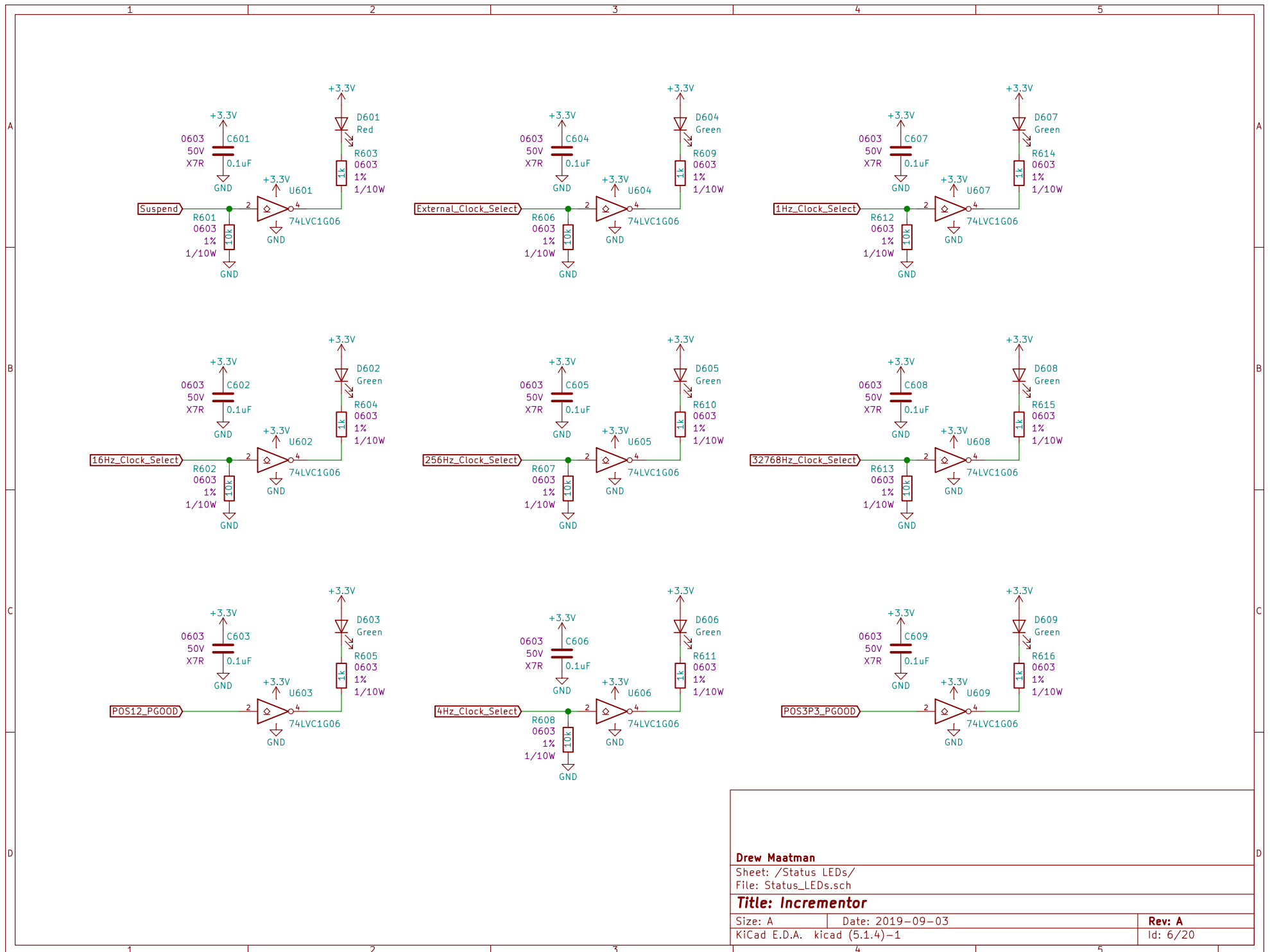
Drew Maatman

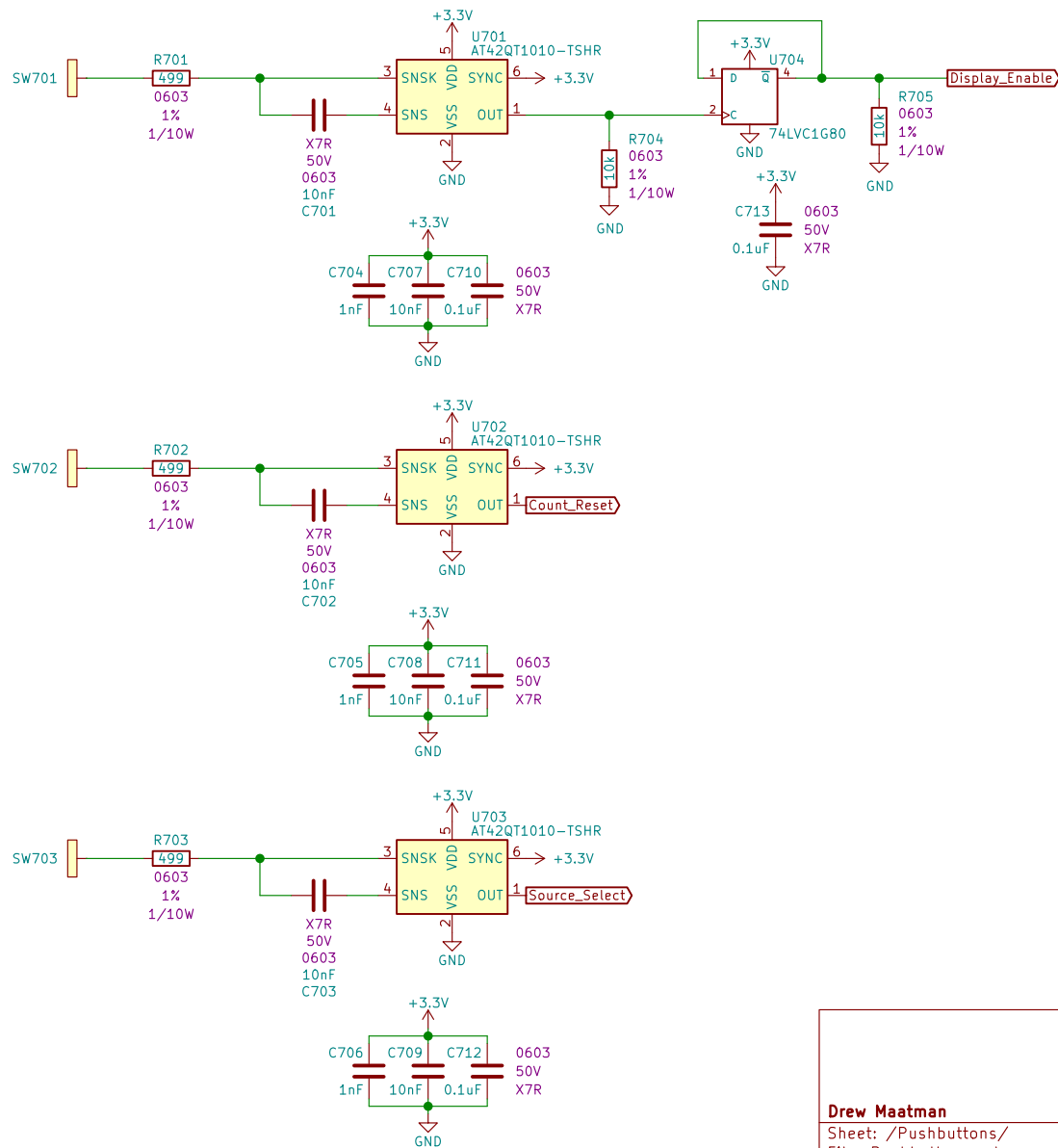
Sheet: /Clock Selection/
File: Clock_Selection.sch

Title: Incrementor

Size: A Date: 2019-09-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 5/20





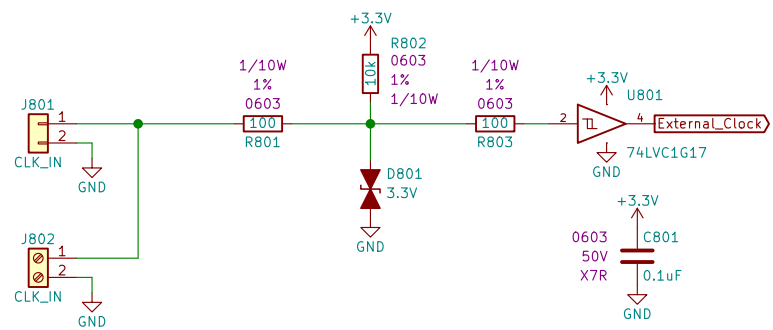
Drew Maatman

Sheet: /Pushbuttons/
File: Pushbuttons.sch

Title: Incrementor

Size: A Date: 2019-09-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 7/20



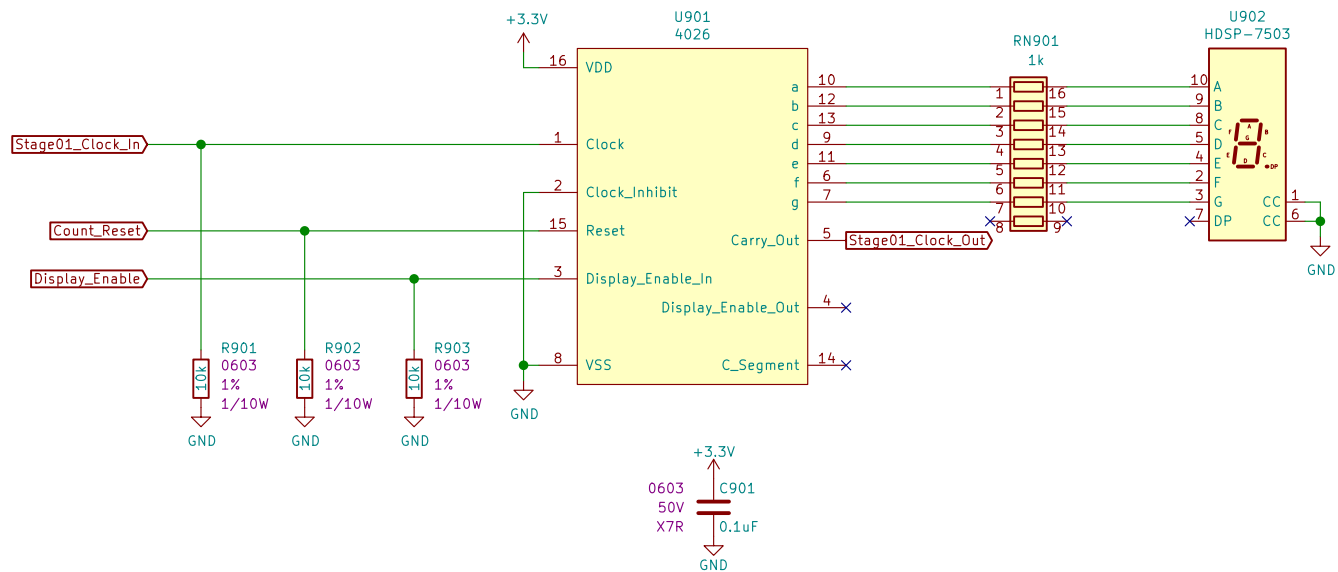
Drew Maatman

Sheet: /External Clock/
File: External_Clock.sch

Title: Incrementor

Size: A Date: 2019-09-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 8/20



Drew Maatman

Sheet: /Stage 01/

File: Stage_01.sch

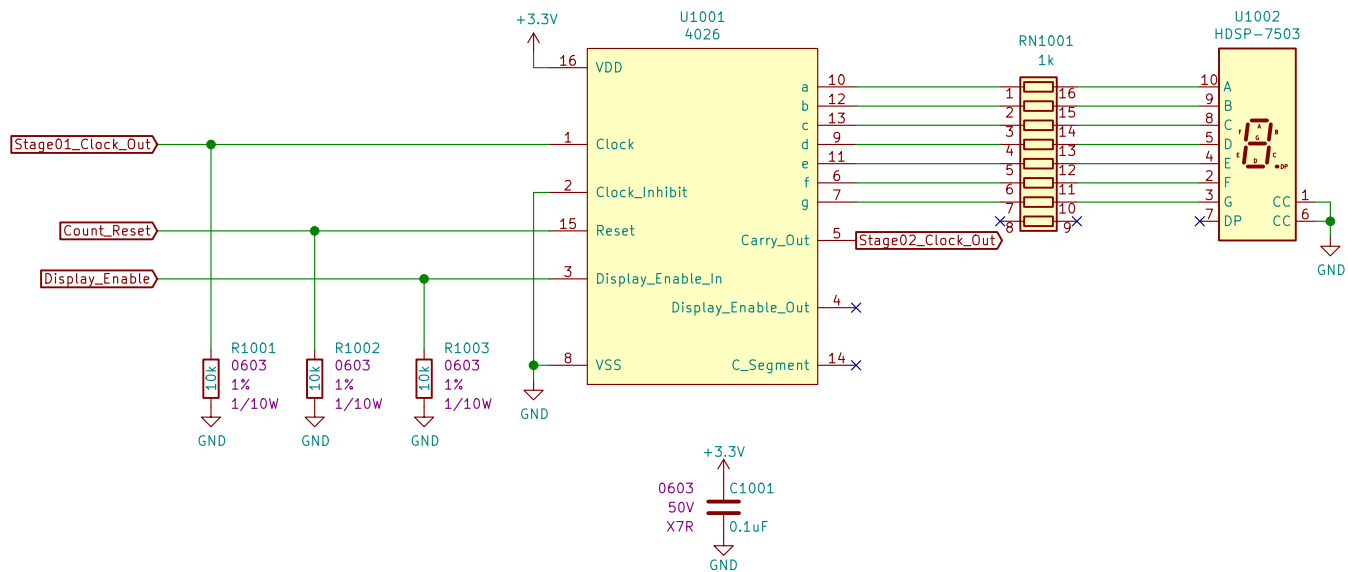
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 9/20



Drew Maatman

Sheet: /Stage 02/

File: Stage_02.sch

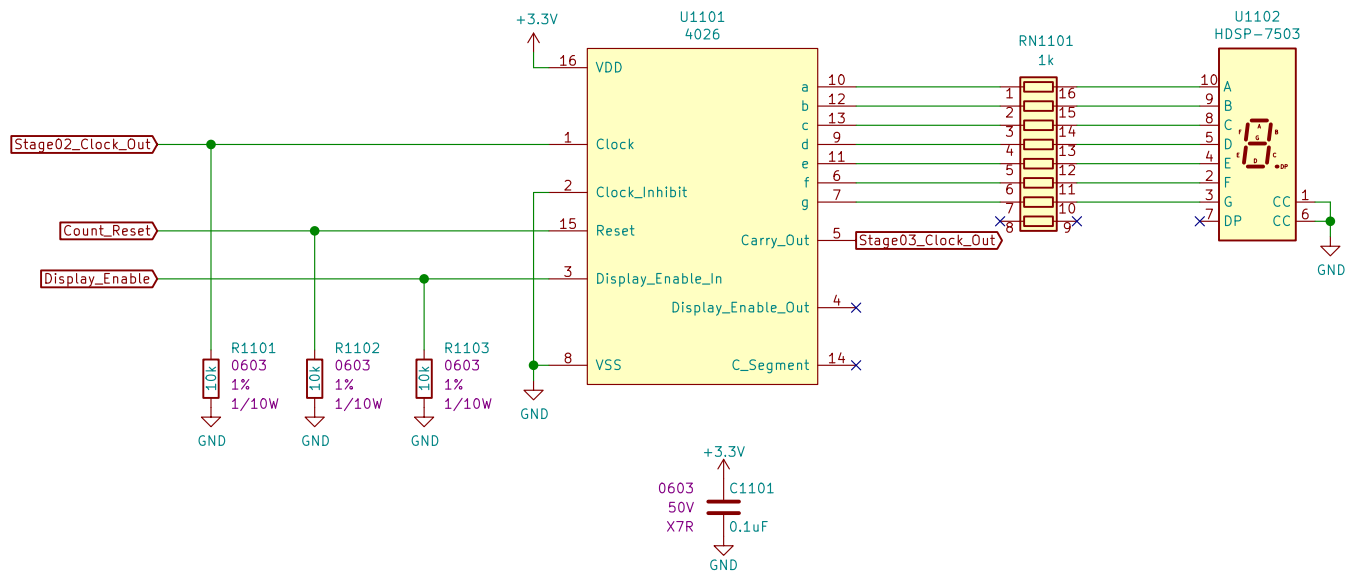
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 10/20



Drew Maatman

Sheet: /Stage 03/

File: Stage_03.sch

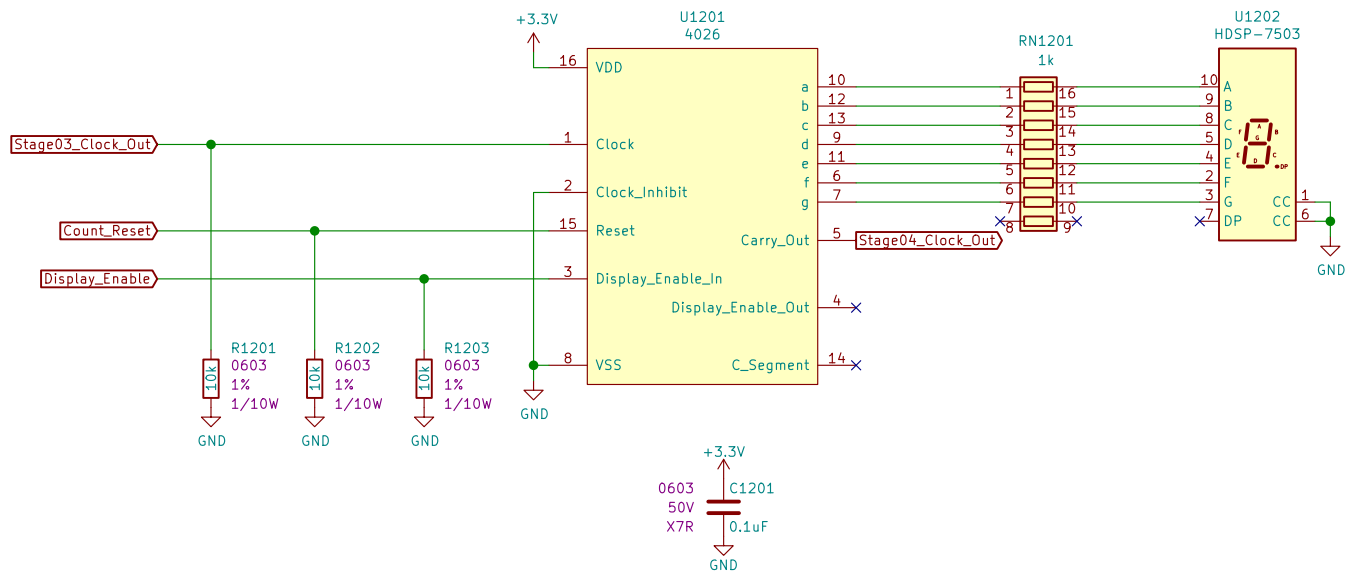
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 11/20



Drew Maatman

Sheet: /Stage 04/

File: Stage_04.sch

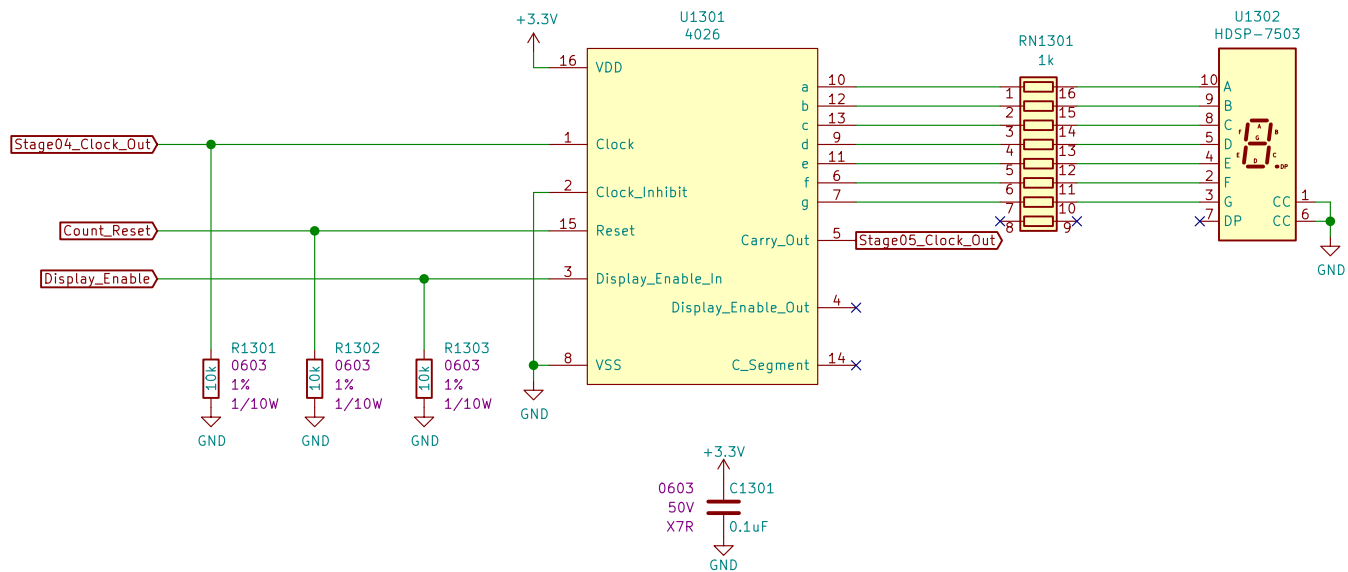
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 12/20



Drew Maatman

Sheet: /Stage 05/

File: Stage_05.sch

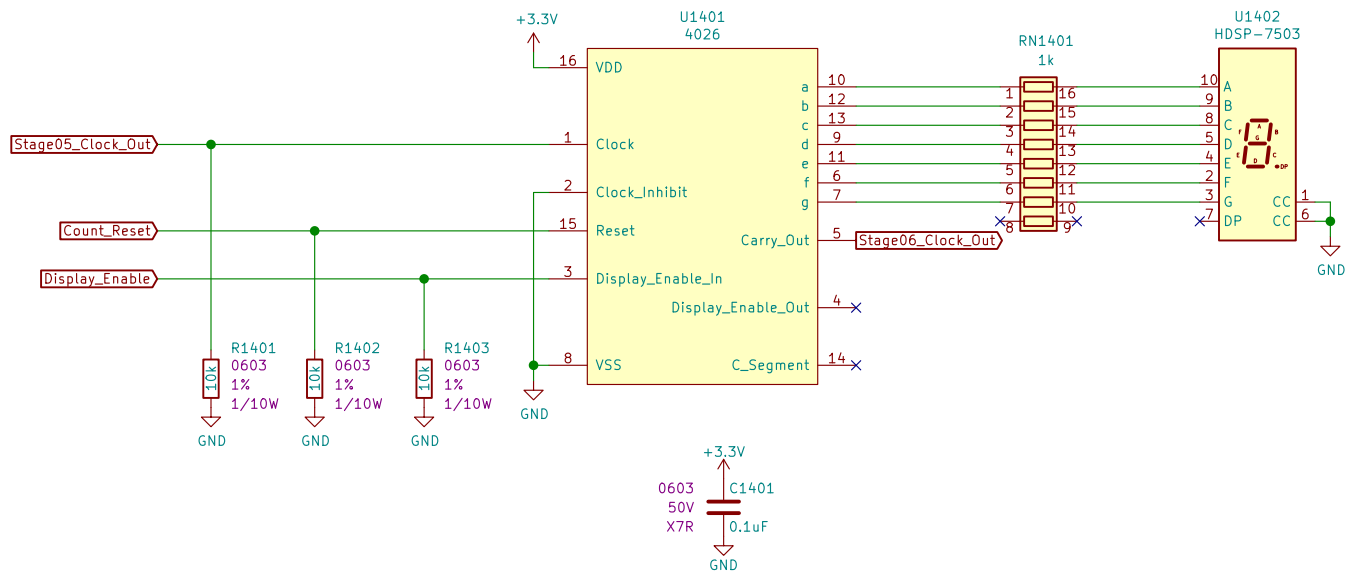
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 13/20



Drew Maatman

Sheet: /Stage 06/

File: Stage_06.sch

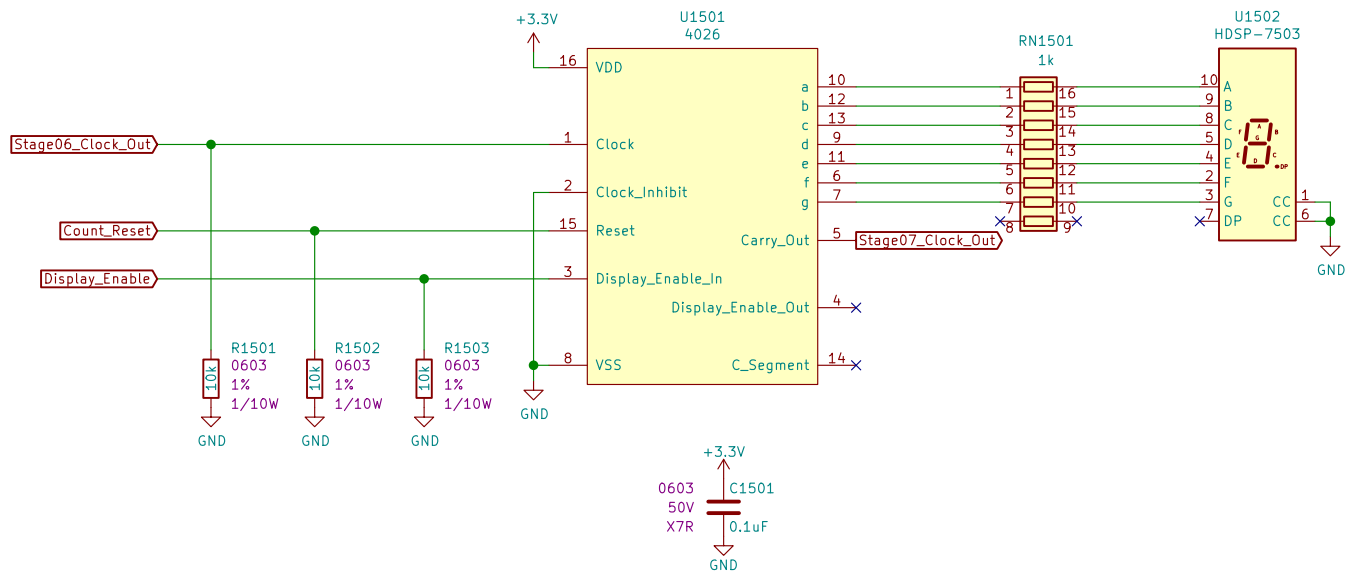
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 14/20



Drew Maatman

Sheet: /Stage 07/

File: Stage_07.sch

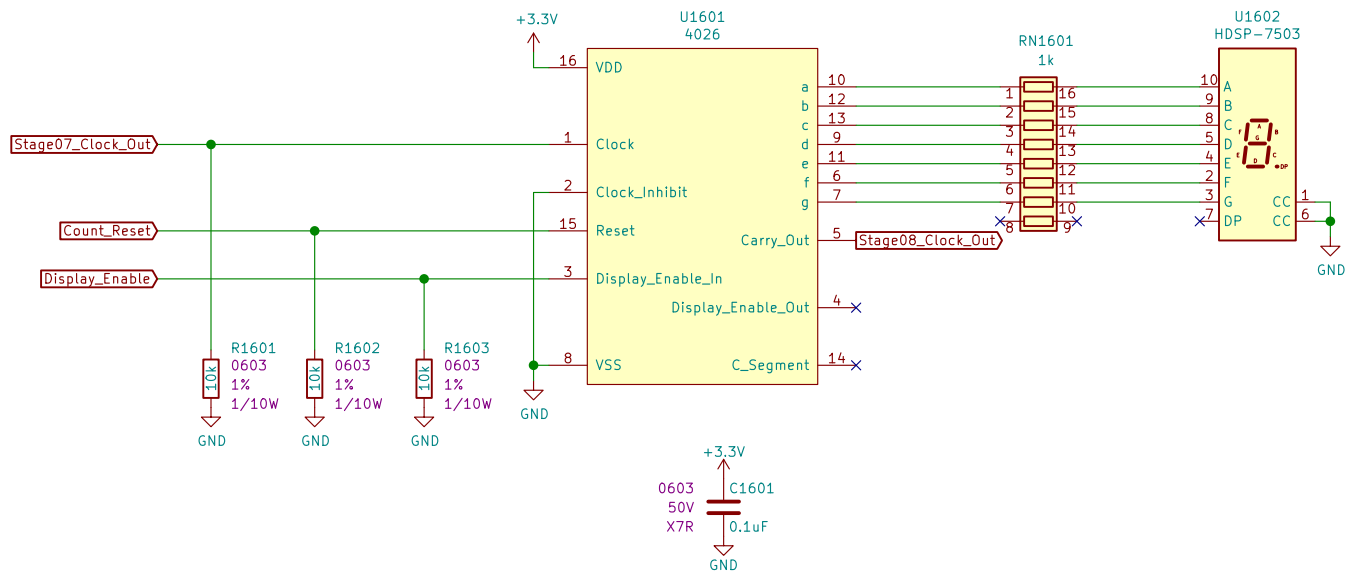
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 15/20



Drew Maatman

Sheet: /Stage 08/

File: Stage_08.sch

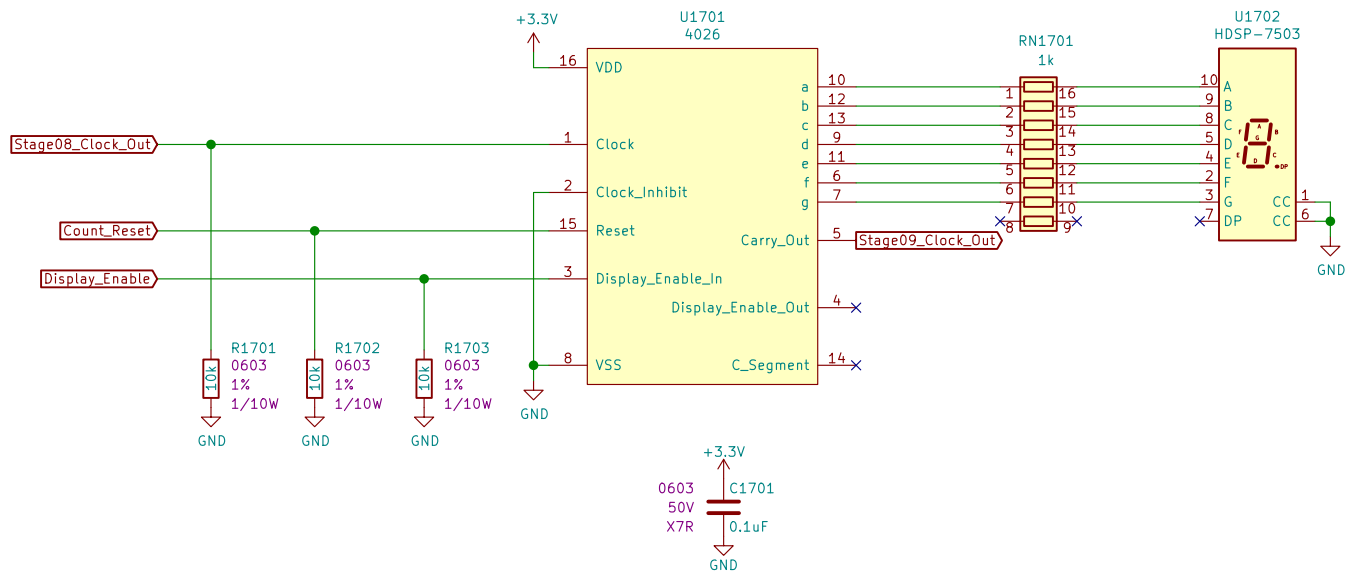
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 16/20



Drew Maatman

Sheet: /Stage 09/

File: Stage_09.sch

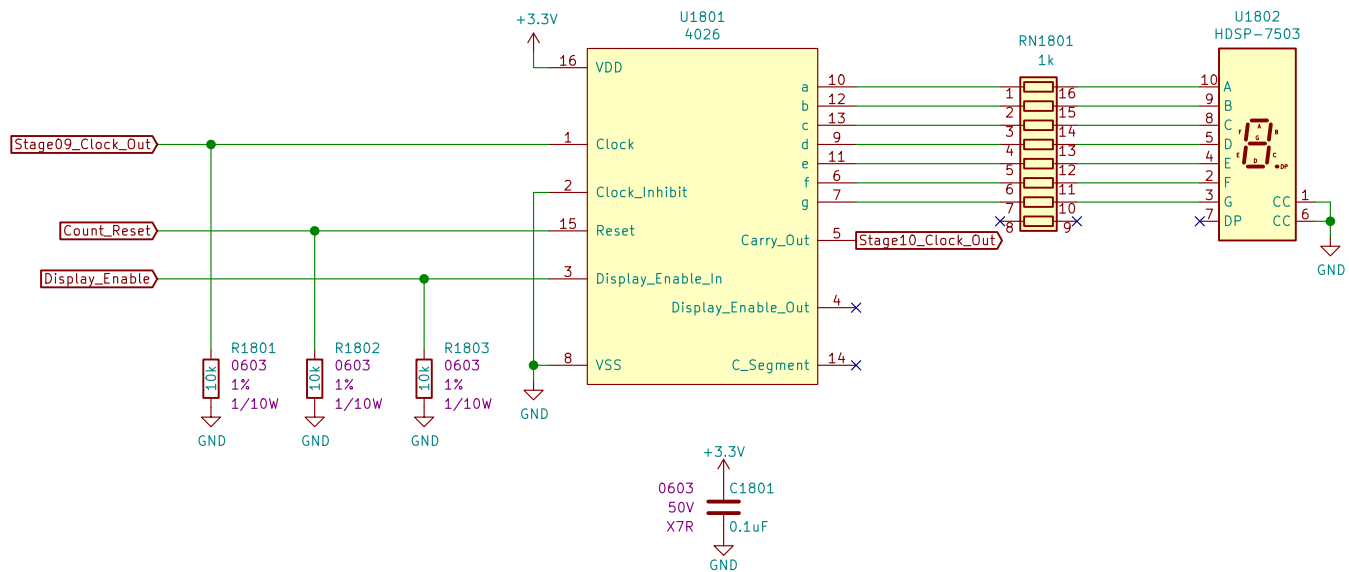
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 17/20



Drew Maatman

Sheet: /Stage 10/

File: Stage_10.sch

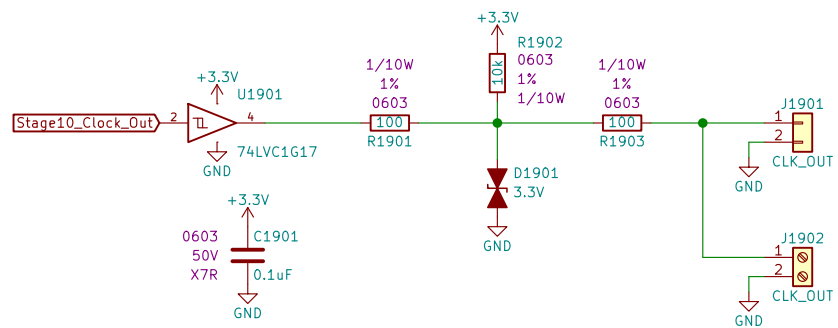
Title: Incrementor

Size: A Date: 2019-09-03

KiCad E.D.A. kicad (5.1.4)-1

Rev: A

Id: 18/20



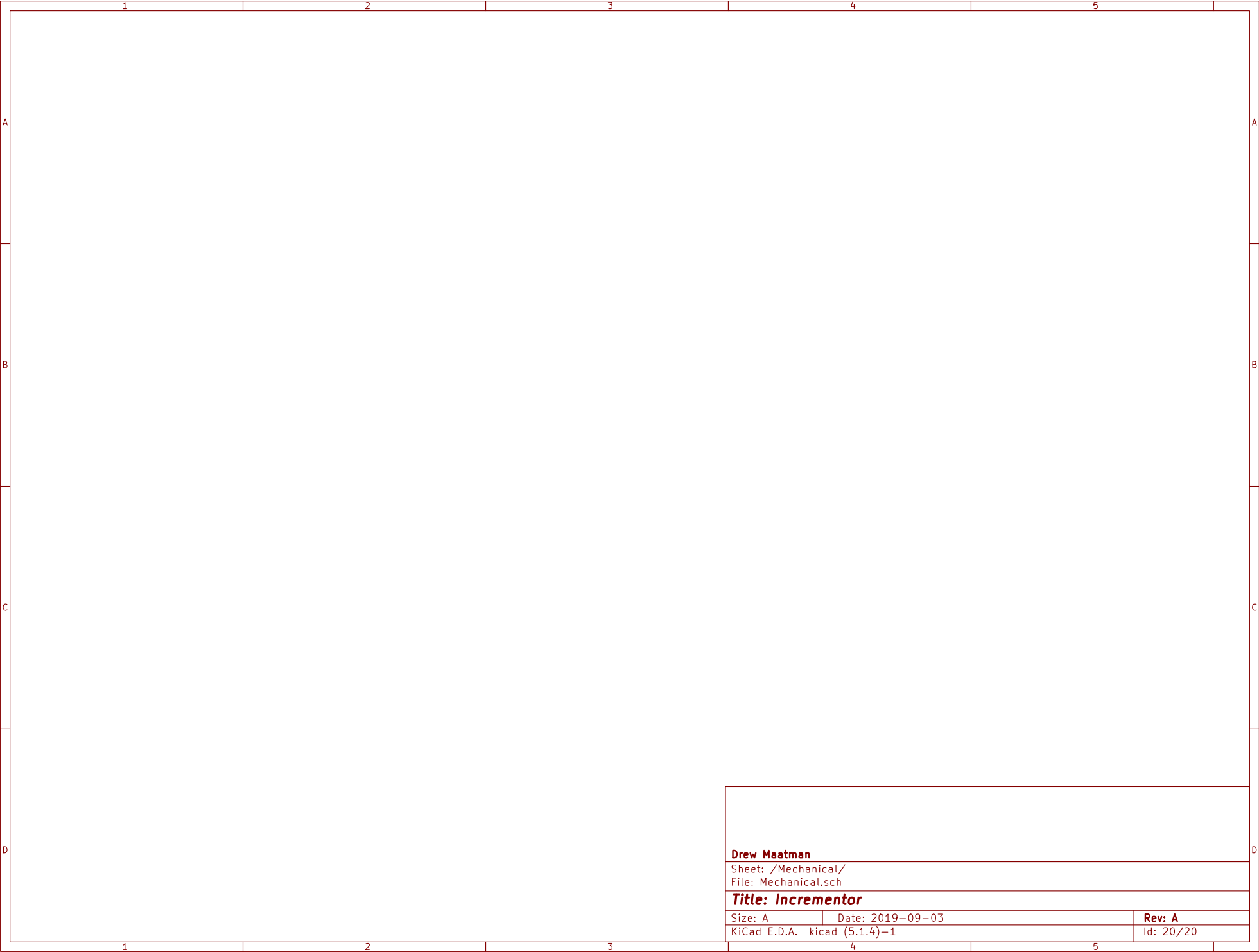
Drew Maatman

Sheet: /Clock Output/
File: Clock_Output.sch

Title: Incrementor

Size: A Date: 2019-09-03
KiCad E.D.A. kicad (5.1.4)-1

Rev: A
Id: 19/20



Drew Maatman		
Sheet: /Mechanical/		
File: Mechanical.sch		
Title: Incrementor		
Size: A	Date: 2019-09-03	Rev: A
KiCad E.D.A. kicad (5.1.4)-1		Id: 20/20