

Stopwatch

01. Table of Contents

02. +12V Power Input

03. +3.3V Power Supply

04. Oscillator

06. Status LEDs

07. Pushbuttons

09. Stage 1

10. Stage 2

11. Stage 3

12. Stage 4

13. Stage 5

14. Stage 6

Seconds Reset

+12V Power Input

File: POS12_Power_Input.kicad_sch

+3.3V Power Supply

File: POS3P3_Power_Supply.kicad_sch

Oscillator

File: Oscillator.kicad_sch

Status LEDs

File: Status_LEDs.kicad_sch

Pushbuttons

File: Pushbuttons.kicad_sch

Stage 01

File: Stage_01.kicad_sch

Stage 02

File: Stage_02.kicad_sch

Stage 03

File: Stage_03.kicad_sch

Stage 04

File: Stage_04.kicad_sch

Stage 05

File: Stage_05.kicad_sch

Stage 06

File: Stage_06.kicad_sch

Seconds Reset

File: seconds_reset.kicad_sch

Mechanical

File: Mechanical.kicad_sch

Drew Maatman

Sheet: /

File: Stopwatch.kicad_sch

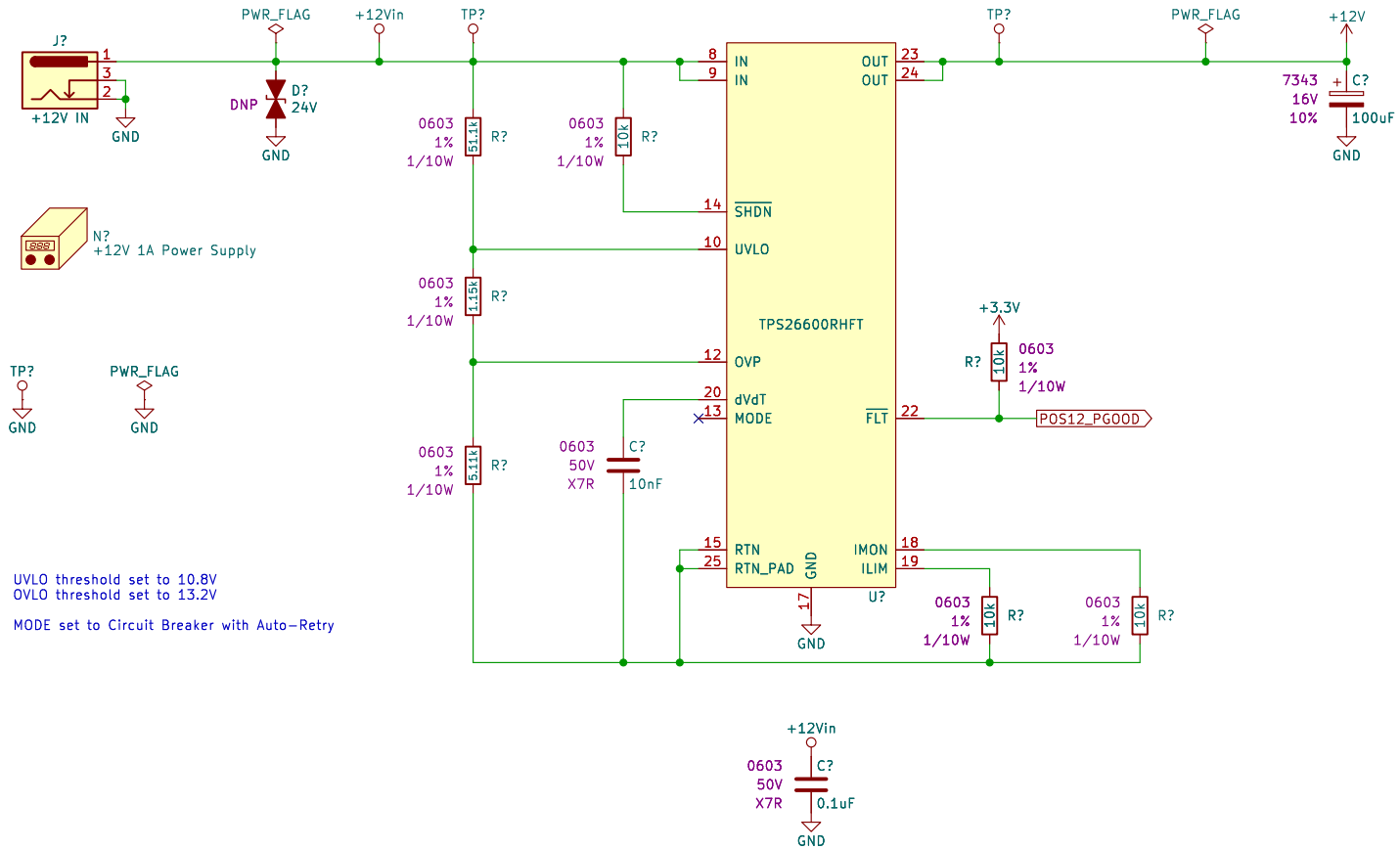
Title: Stopwatch

Size: A Date: 2024-01-02

KiCad E.D.A. kicad 7.0.1

Rev: A

Id: 1/14



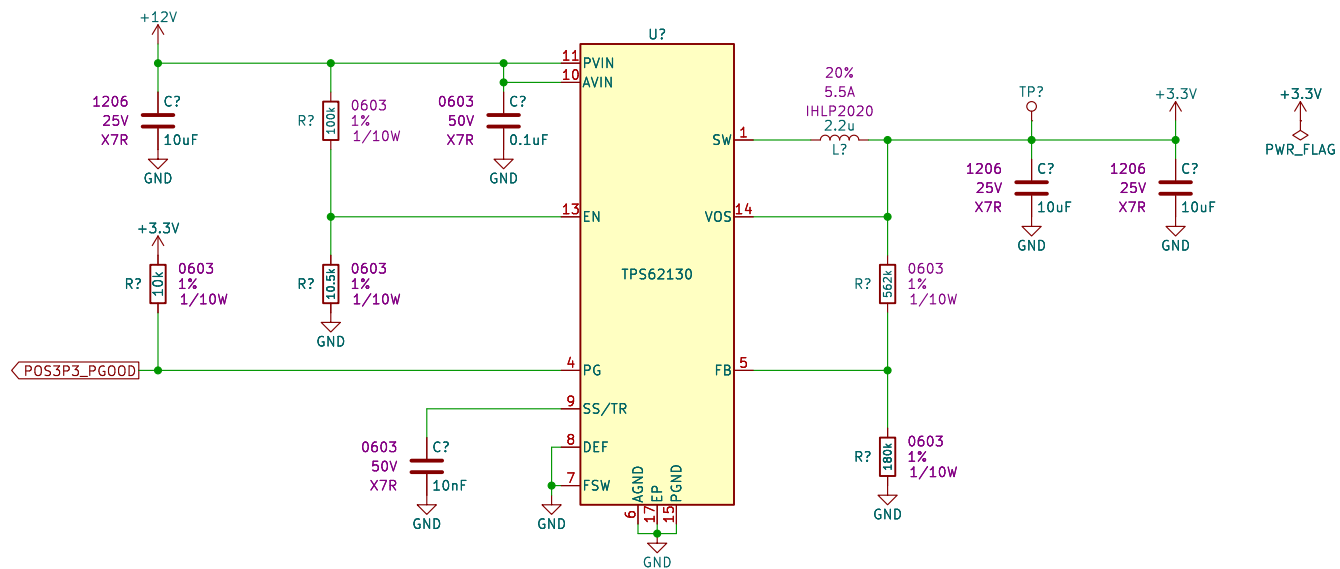
Drew Maatman

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

Title: Stopwatch

Size: A Date: 2024-01-02
KiCad E.D.A. kicad 7.0.1

Rev: A
Id: 2/14



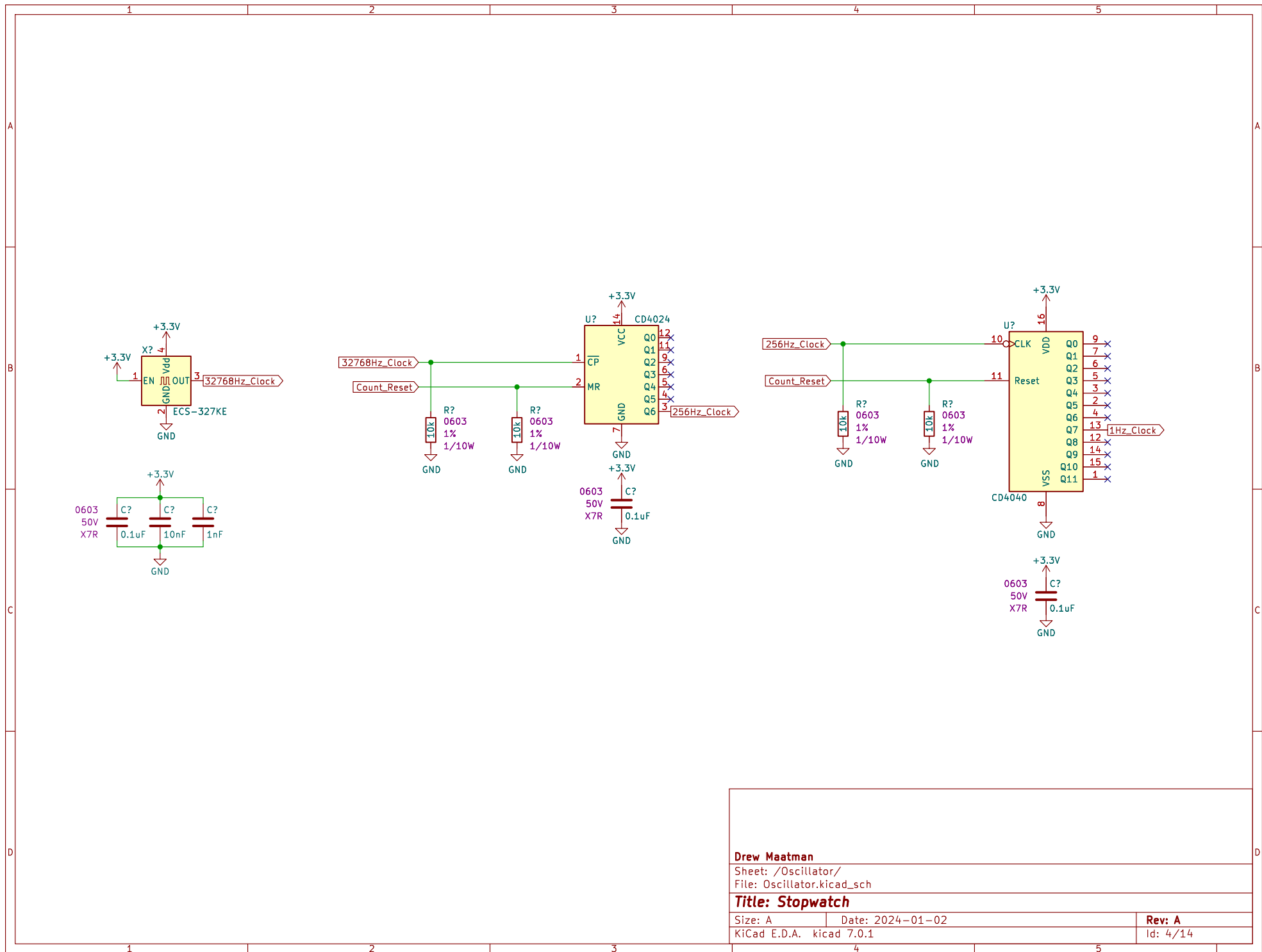
Drew Maatman

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

Title: Stopwatch

Size: A Date: 2024-01-02
KiCad E.D.A. kicad 7.0.1

Rev: A
Id: 3/14



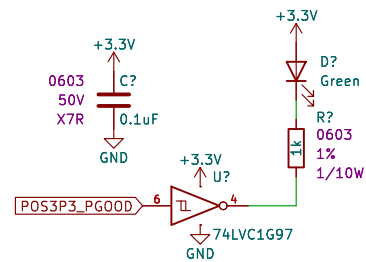
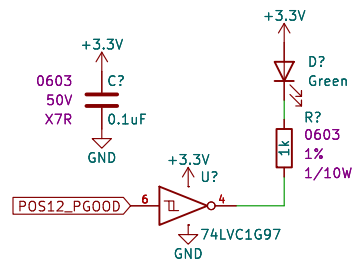
Drew Maatman

Sheet: /Oscillator/
File: Oscillator.kicad_sch

Title: Stopwatch

Size: A Date: 2024-01-02
KiCad E.D.A. kicad 7.0.1

Rev: A
Id: 4/14



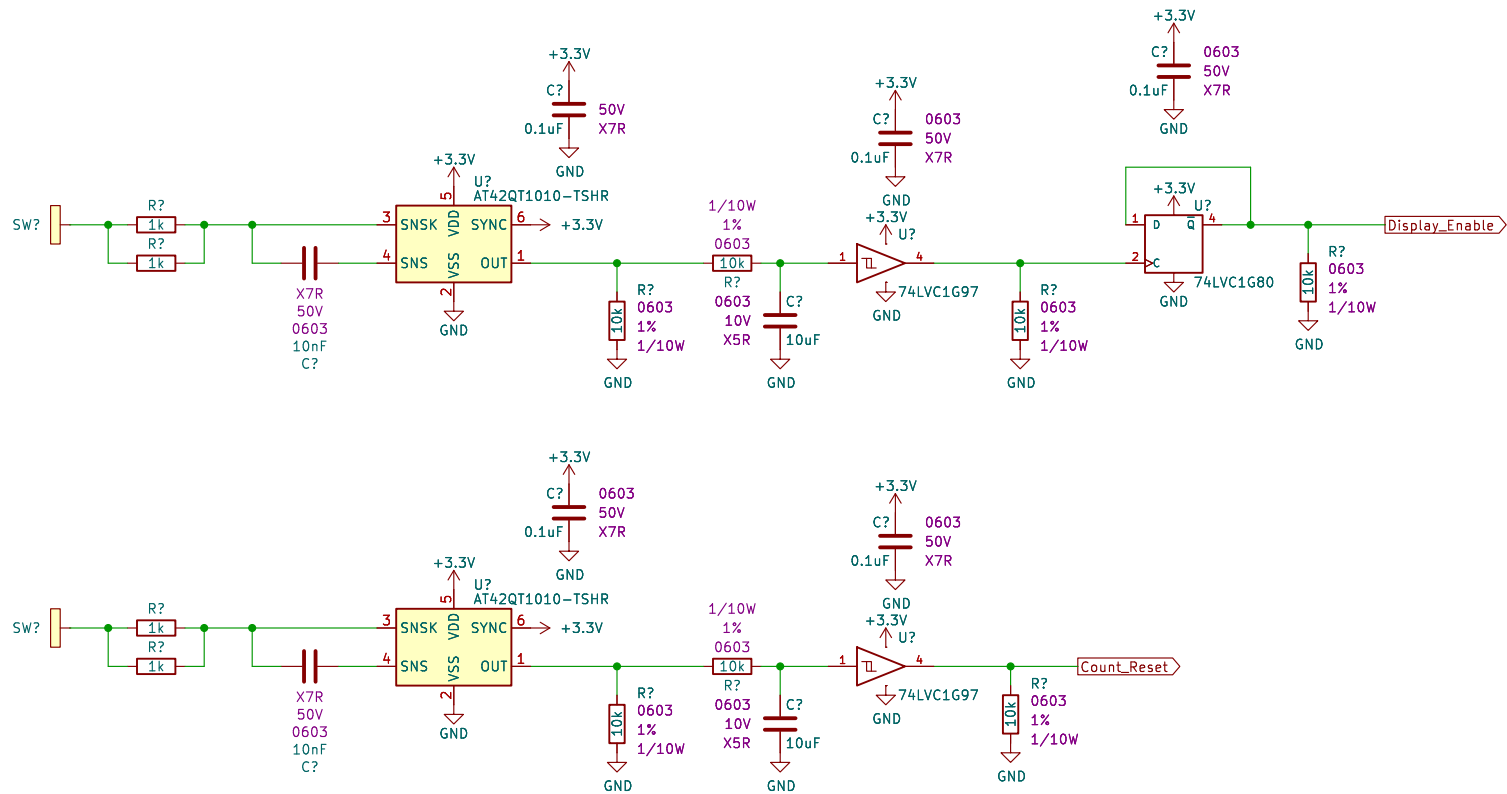
Drew Maatman

Sheet: /Status LEDs/
File: Status_LEDs.kicad_sch

Title: Stopwatch

Size: A Date: 2024-01-02
KiCad E.D.A. kicad 7.0.1

Rev: A
Id: 6/14



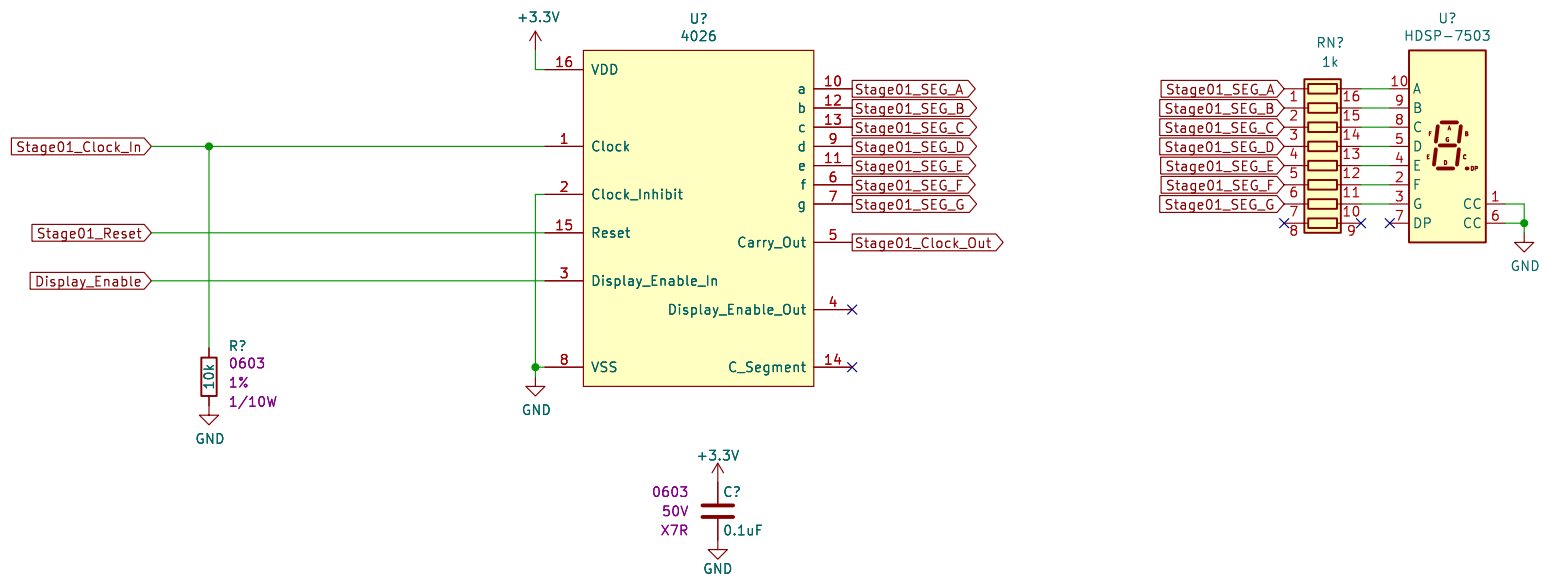
Drew Maatman

Sheet: /Pushbuttons/
File: Pushbuttons.kicad_sch

Title: Stopwatch

Size: A Date: 2024-01-02
KiCad E.D.A. kicad 7.0.1

Rev: A
Id: 7/14



Drew Maatman

Sheet: /Stage 01/
File: Stage_01.kicad_sch

Title: Stopwatch

Size: A Date: 2024-01-02
KiCad E.D.A. kicad 7.0.1

Rev: A
Id: 9/14

1					2					3					4					5					
A																									A
B																									B
C																									C
D																									D
1					2					3					4					5					

</

Drew Maatman		
Sheet: /Stage 02/		
File: Stage_02.kicad_sch		
Title: Stopwatch		
Size: A	Date: 2024-01-02	Rev: A
KiCad E.D.A. kicad 7.0.1		Id: 10/14

1					2					3					4					5					
A																									A
B																									B
C																									C
D																									D
1					2					3					4					5					

</

Drew Maatman		
Sheet: /Stage 03/		
File: Stage_03.kicad_sch		
Title: Stopwatch		
Size: A	Date: 2024-01-02	Rev: A
KiCad E.D.A. kicad 7.0.1		Id: 11/14

1					2					3					4					5					
A																									A
B																									B
C																									C
D																									D
1					2					3					4					5					

</

Drew Maatman		
Sheet: /Stage 04/ File: Stage_04.kicad_sch		
Title: Stopwatch		
Size: A	Date: 2024-01-02	Rev: A
KiCad E.D.A. kicad 7.0.1		Id: 12/14

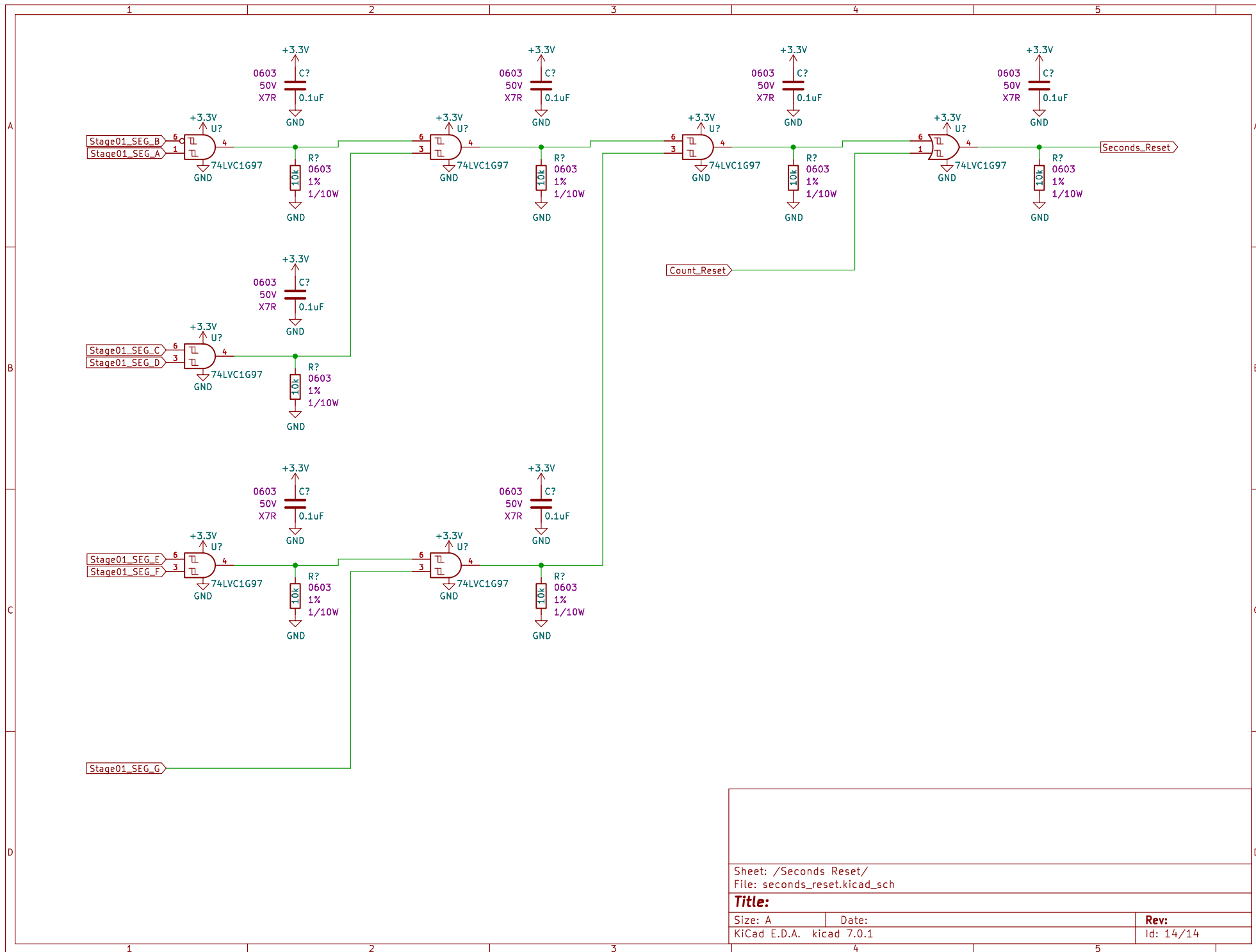
1	2	3	4	5	
A					A
B					B
C					C
D					D
1	2	3	4	5	

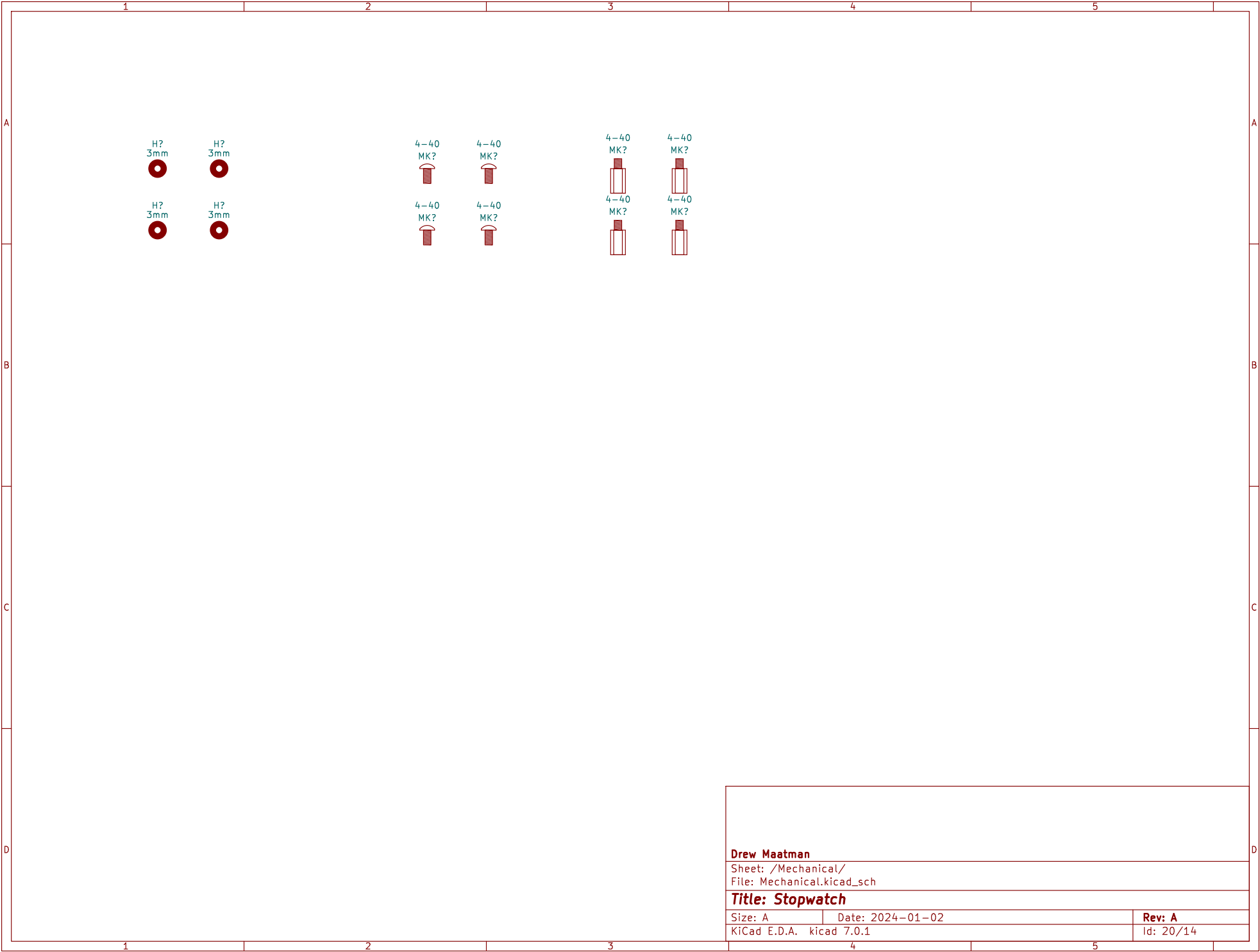
Drew Maatman		
Sheet: /Stage 05/ File: Stage_05.kicad_sch		
Title: Stopwatch		
Size: A	Date: 2024-01-02	Rev: A
KiCad E.D.A. kicad 7.0.1		Id: 13/14

1					2					3					4					5					
A																									A
B																									B
C																									C
D																									D
1					2					3					4					5					

</

Drew Maatman		
Sheet: /Stage 06/		
File: Stage_06.kicad_sch		
Title: Stopwatch		
Size: A	Date: 2024-01-02	Rev: A
KiCad E.D.A. kicad 7.0.1		Id: 14/14





Drew Maatman

Sheet: /Mechanical/
File: Mechanical.kicad_sch

Title: Stopwatch

Size: A Date: 2024-01-02

KiCad E.D.A. kicad 7.0.1

Rev: A

Id: 20/14