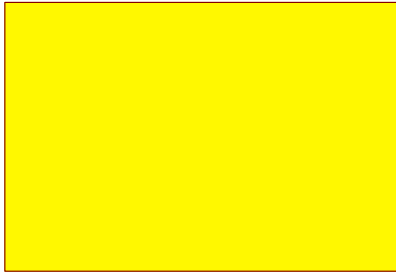


Digital Clock

1. USB - C Power Delivery

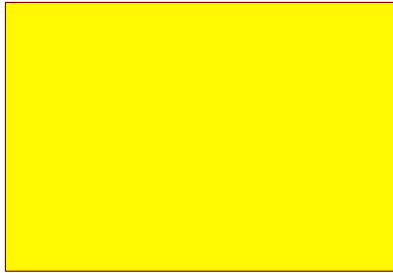
USB C Power Delivery



File: USB C Power Delivery.kicad_sch

2. MCU

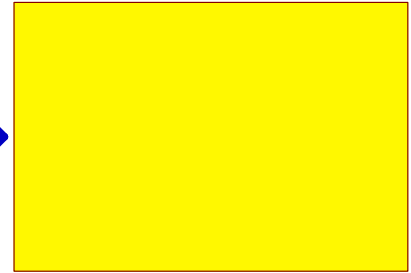
MCU



File: MCU.kicad_sch

3. 7 Seg Display (x4)

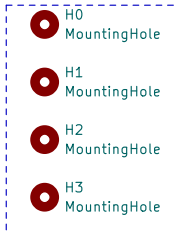
7 Segment Display (x4)



File: 7 Segment Display (x4).kicad_sch



Mounting Holes



Drawn By: DREECE2498
Designed By: DREECE2498

Sheet: /
File: Digital Clock.kicad_sch

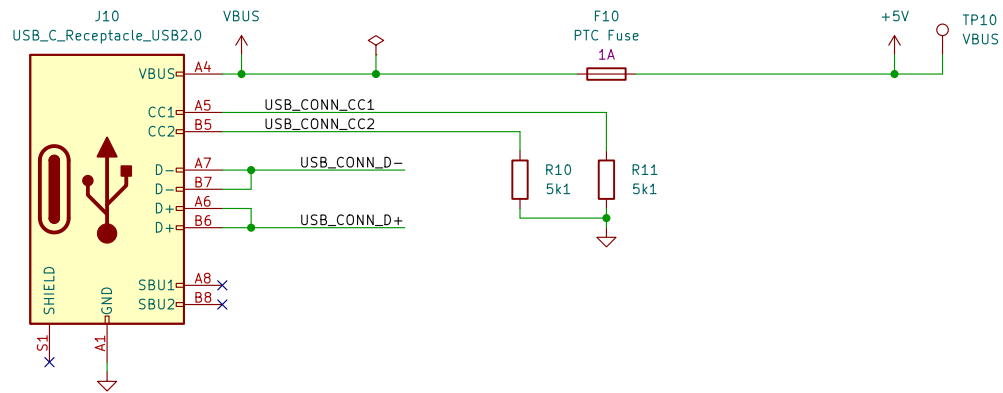
Title: Digital Clock

Size: A5 Date: 2022-12-02
KiCad E.D.A. kicad (6.0.2)

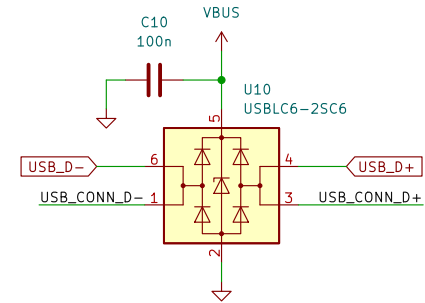
Rev: A
Id: 1/4

1. USB-C Power Delivery

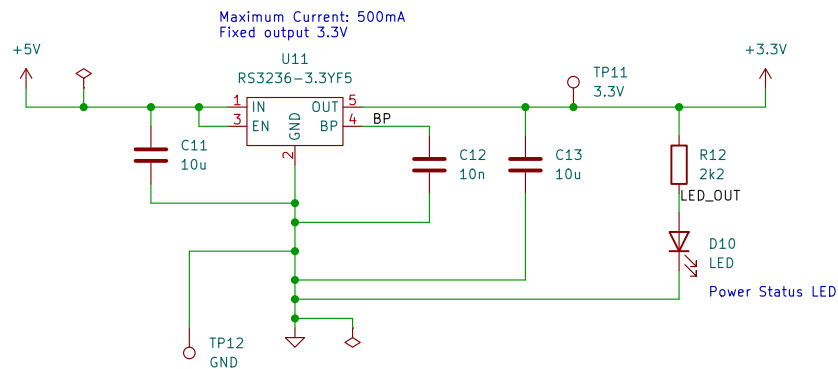
A. USB - C Power Delivery



B. ESD Protection/ USB Data Line



C. 3.3V LDO Regulator



Drawn By: DREECE2498
Designed By: DREECE2498

Sheet: /USB C Power Delivery/
File: USB C Power Delivery.kicad_sch

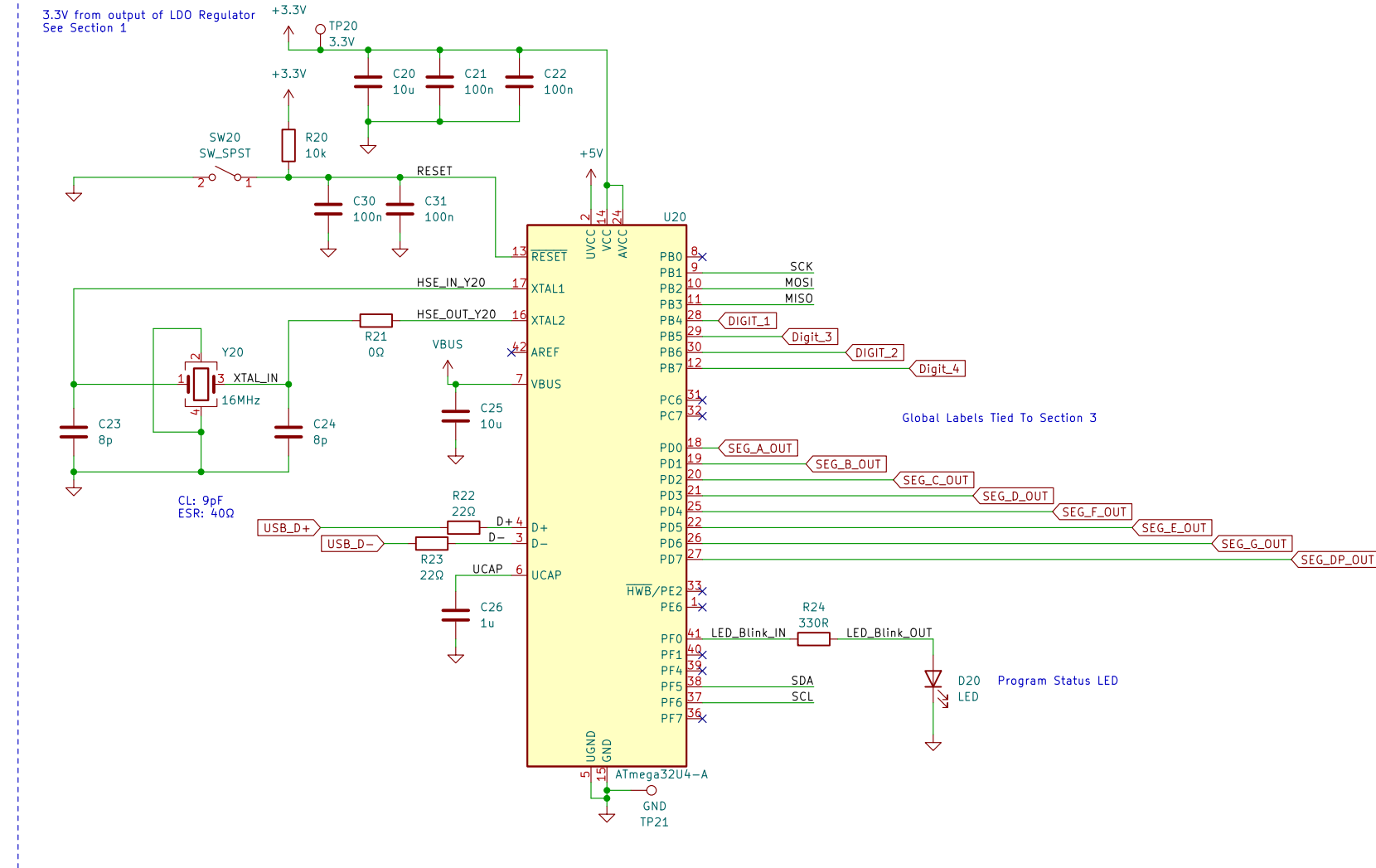
Title: Digital Clock

Size: A4 Date: 2022-12-02
KiCad E.D.A. kicad (6.0.2)

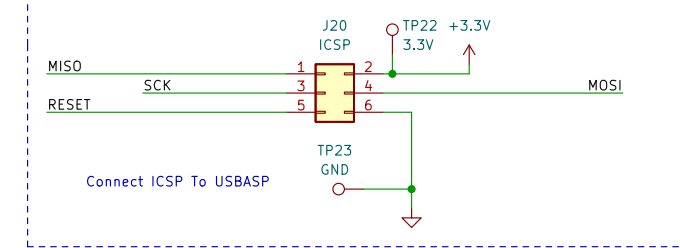
Rev: A
Id: 2/4

2. MCU

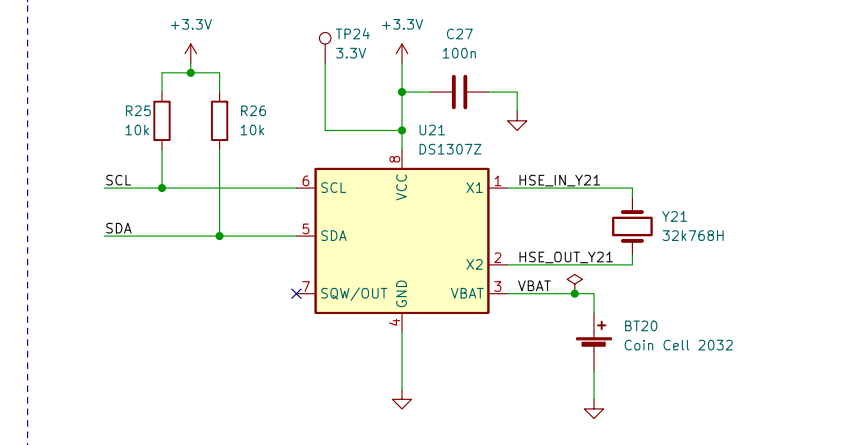
A. Atmega32u4 MCU -> RTC -> 7 Segment Display



B. ICSP Pin Header



C. Real Time Clock (RTC)



Drawn By: DREECE2498
Designed By: DREECE2498

Sheet: /MCU/
File: MCU.kicad_sch

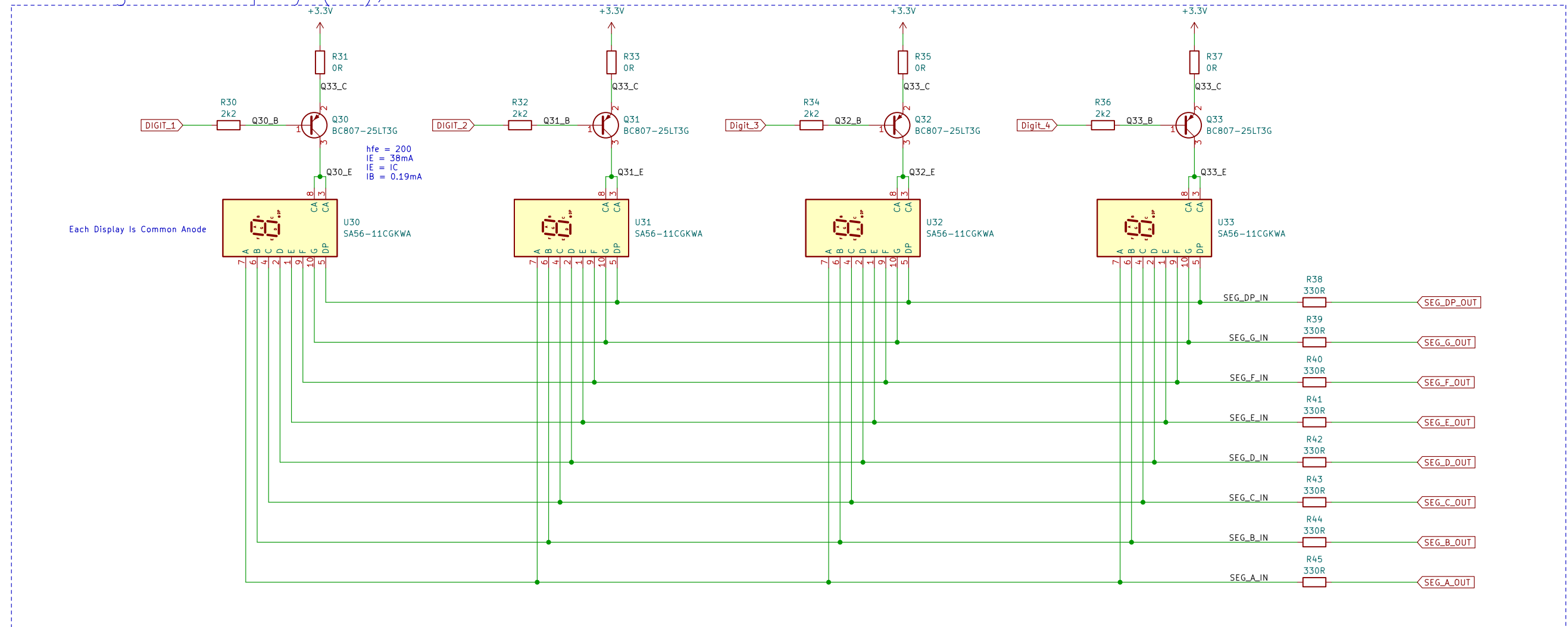
Title: Digital Clock

Size: A3 Date: 2022-12-03
KiCad E.D.A. kicad (6.0.2)

Rev: A
Id: 3/4

3. 7 Seg Display (x4)

A. 7 Segment Display (x4), Tells User Current Hour And Minute



Drawn By: DREECE2498		
Designed By: DREECE2498		
Sheet: /7 Segment Display (x4)/		
File: 7 Segment Display (x4).kicad_sch		
Title: Digital Clock		
Size: A3	Date: 2022-12-03	Rev: A
KiCad E.D.A. kicad (6.0.2)		Id: 5/4