

Sheet: External Input

Estimated BOM cost: \$0.03

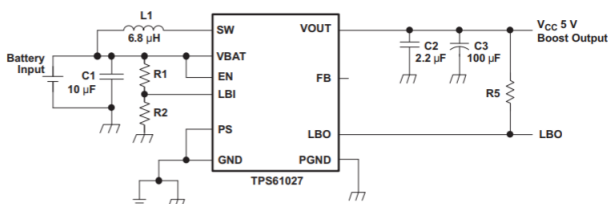


Alt Power Input

File: ExternalInput.sch

Sheet: Boost Converters

Estimated BOM cost: \$0.60



List of Components:
U1 = TP561027DRC
L1 = EPCOS B62462-G4682
C1, C2 = X7R,X5R Ceramic
C3 = Low ESR Tantalum

Figure 24. Power Supply Solution for Maximum Output Power Operating From a Single Alkaline Cell

Power Conversion

File: Boost.sch

Sheet: USB Input

Estimated BOM cost: \$1.00
(\$0.02 without serial to usb)



USB Input (Power/serial)

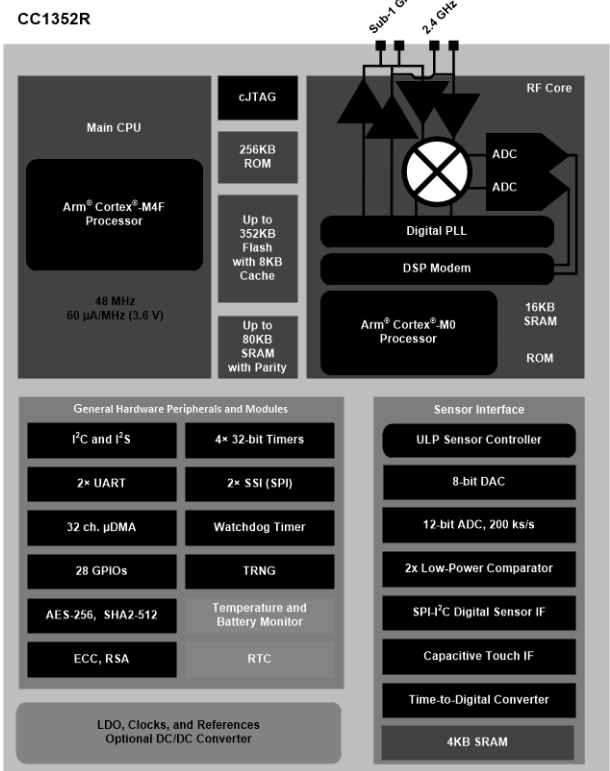
File: USB_Input.sch

Sheet: Sensors

File: Sensors.sch

Sheet: RF

Estimated BOM cost: \$1.27

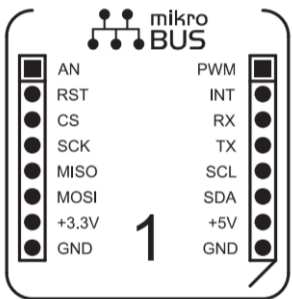
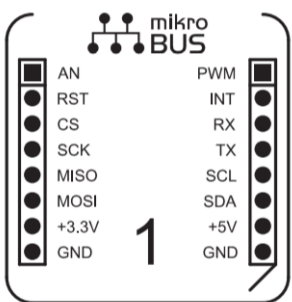


RF and Processor

File: RF.sch

Sheet: MikroBus Click

Estimated BOM cost: \$0.15



MikroBus Headers

File: MikroBusClick.sch

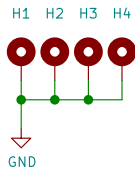
Sheet: Sheet50099F01

Estimated BOM cost: \$0.03



Indicators

File: Indicators.sch



Sheet: User Input/Output

Estimated BOM cost: \$0.05



User I/O

File: UserInputOutput.sch

Sheet: Programming

Estimated BOM cost: \$0.00



Programming

File: Programming.sch

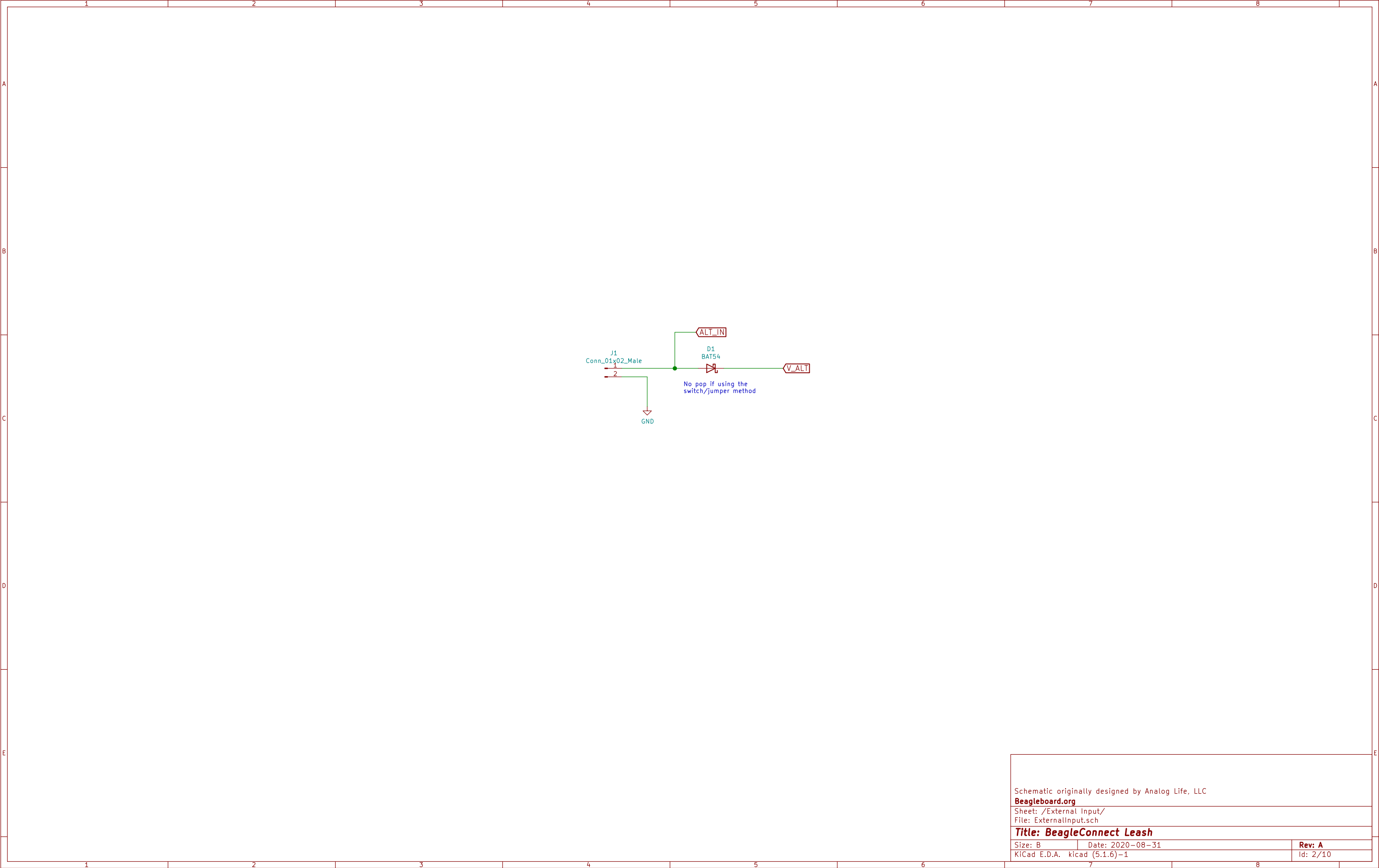
Schematic originally designed by Analog Life, LLC
Beagleboard.org

Sheet: /
File: BeagleConnect.sch

Title: **BeagleConnect Leash**

Size: C Date: 2020-08-31
KiCad E.D.A. kicad (5.1.6)-1

Rev: **A**
Id: 1/10



Schematic originally designed by Analog Life, LLC

Beagleboard.org

Sheet: /External Input/

File: ExternalInput.sch

Title: BeagleConnect Leash

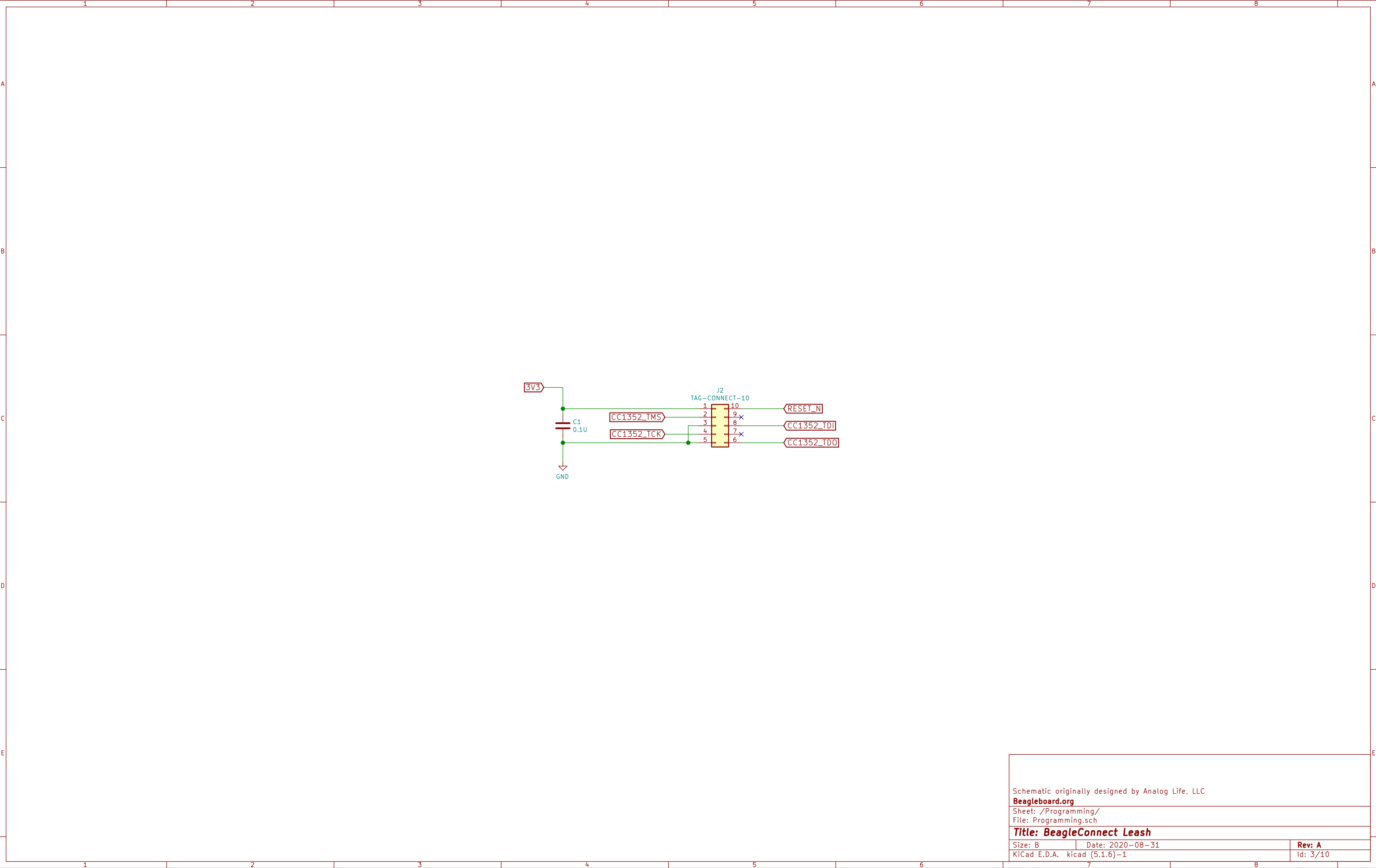
Size: B

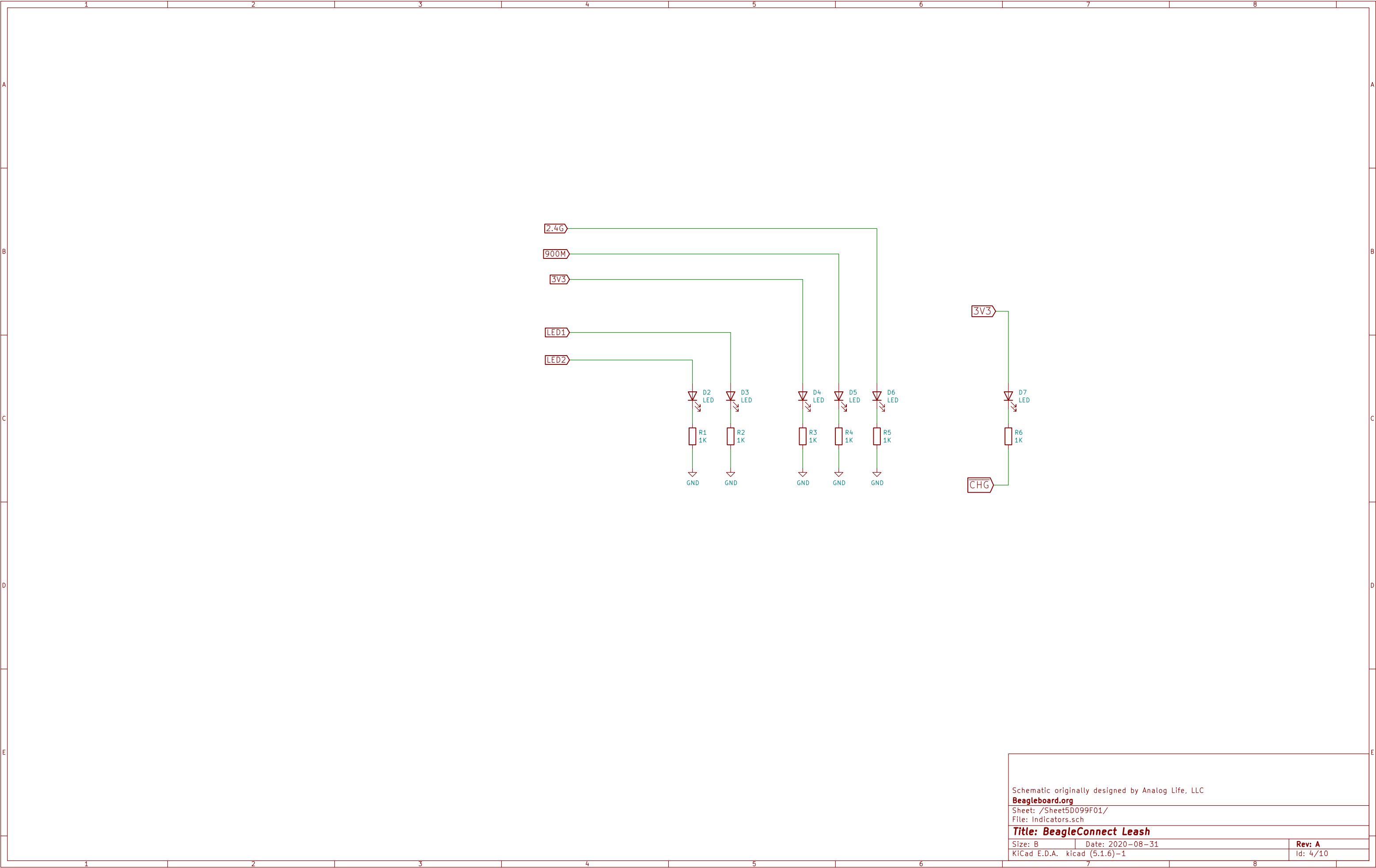
Date: 2020-08-31

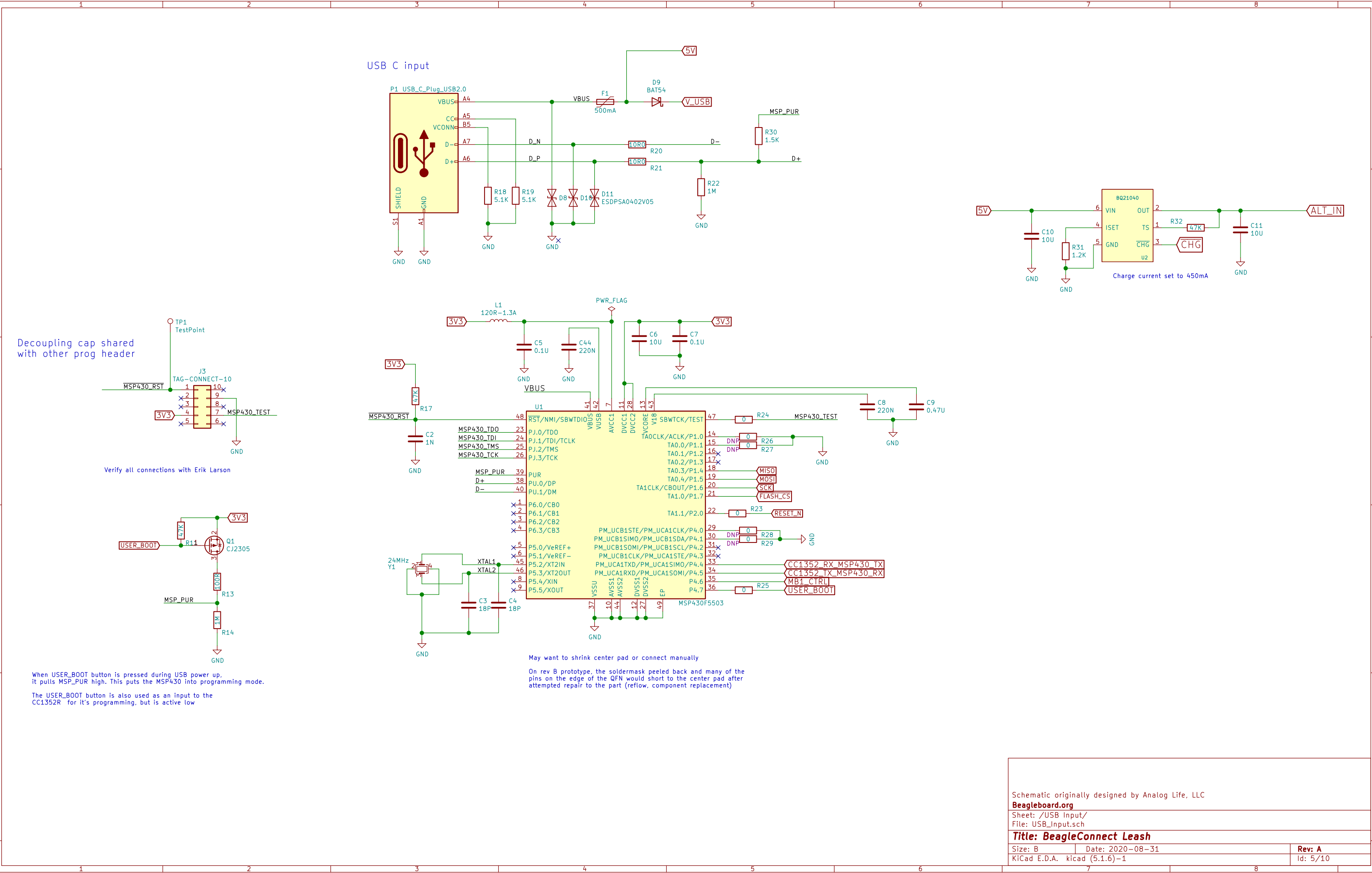
Rev: A

KiCad E.D.A. kicad (5.1.6)-1

Id: 2/10







Schematic originally designed by Analog Life, LLC

Beagleboard.org

Sheet: /USB Input/

File: USB_Input.sch

Title: BeagleConnect Leash

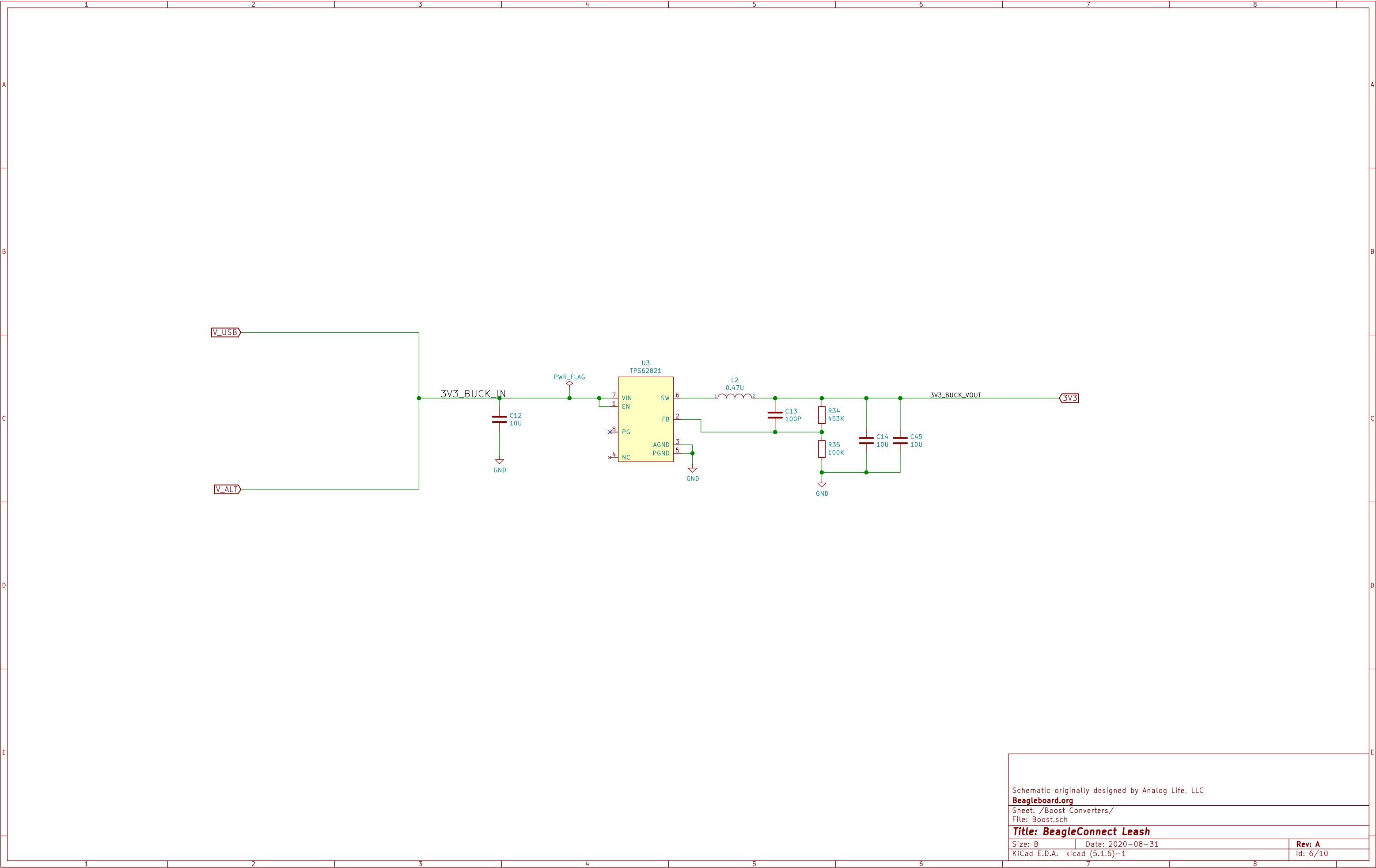
Size: B

Date: 2020-08-31

Rev: A

KiCad E.D.A. kicad (5.1.6)-1

Id: 5/10



Schematic originally designed by Analog Life, LLC

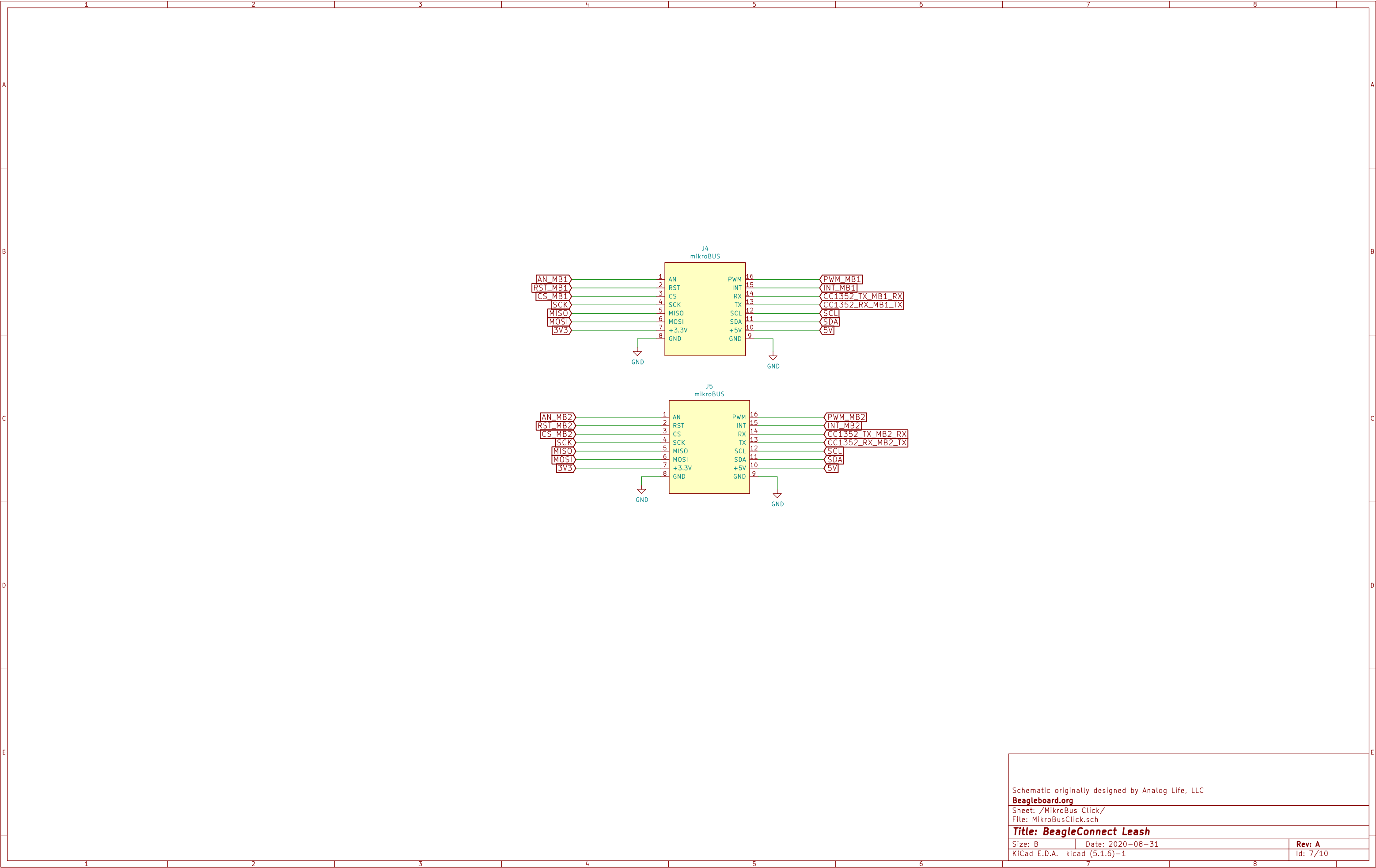
Beagleboard.org

Sheet: /Boost Converters/

File: Boost.sch

Title: BeagleConnect Leash

Size: B	Date: 2020-08-31	Rev: A
KiCad E.D.A. kicad (5.1.6)-1	Id: 6/10	



Schematic originally designed by Analog Life, LLC

Beagleboard.org

Sheet: /MikroBus Click/

File: MikroBusClick.sch

Title: BeagleConnect Leash

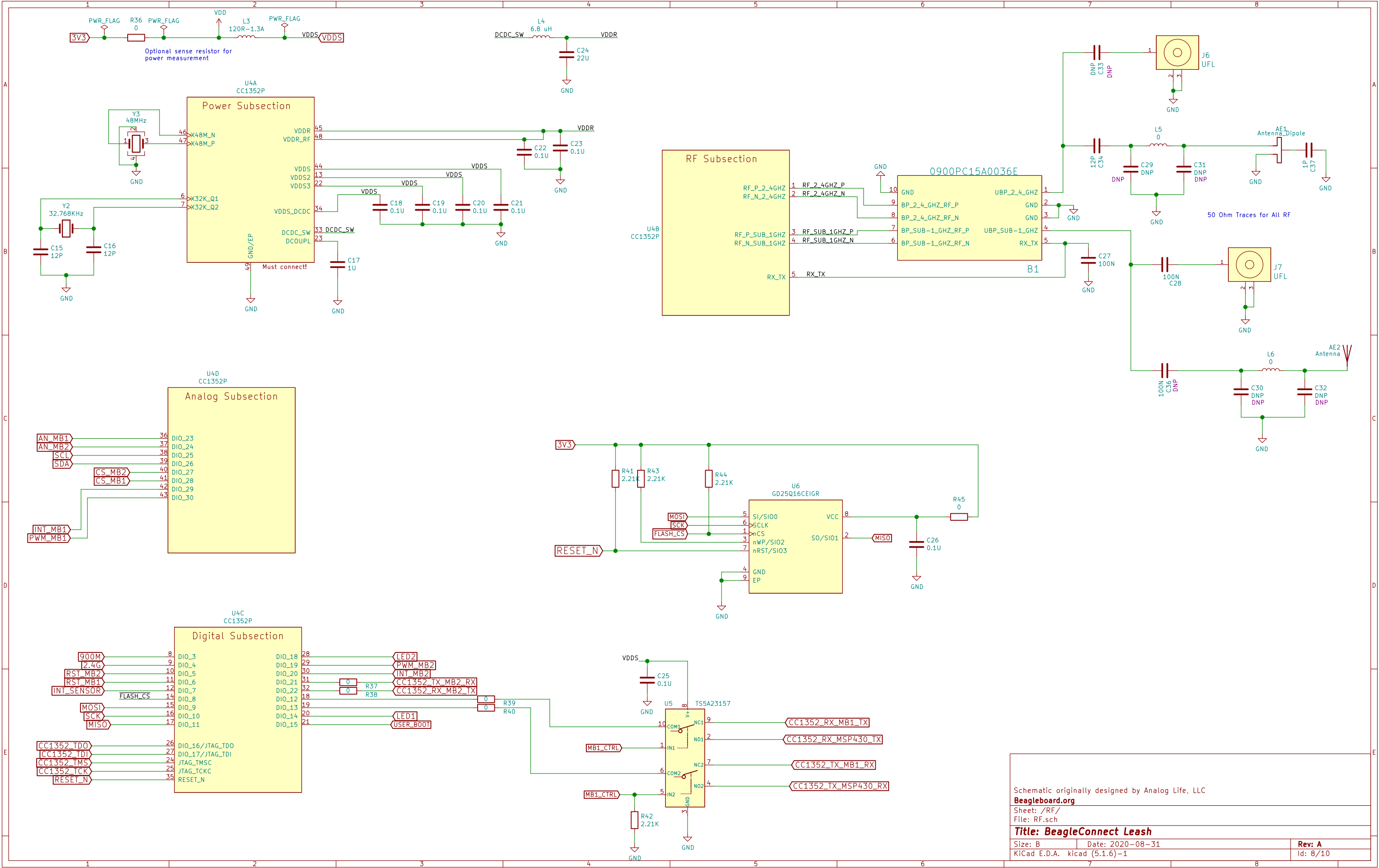
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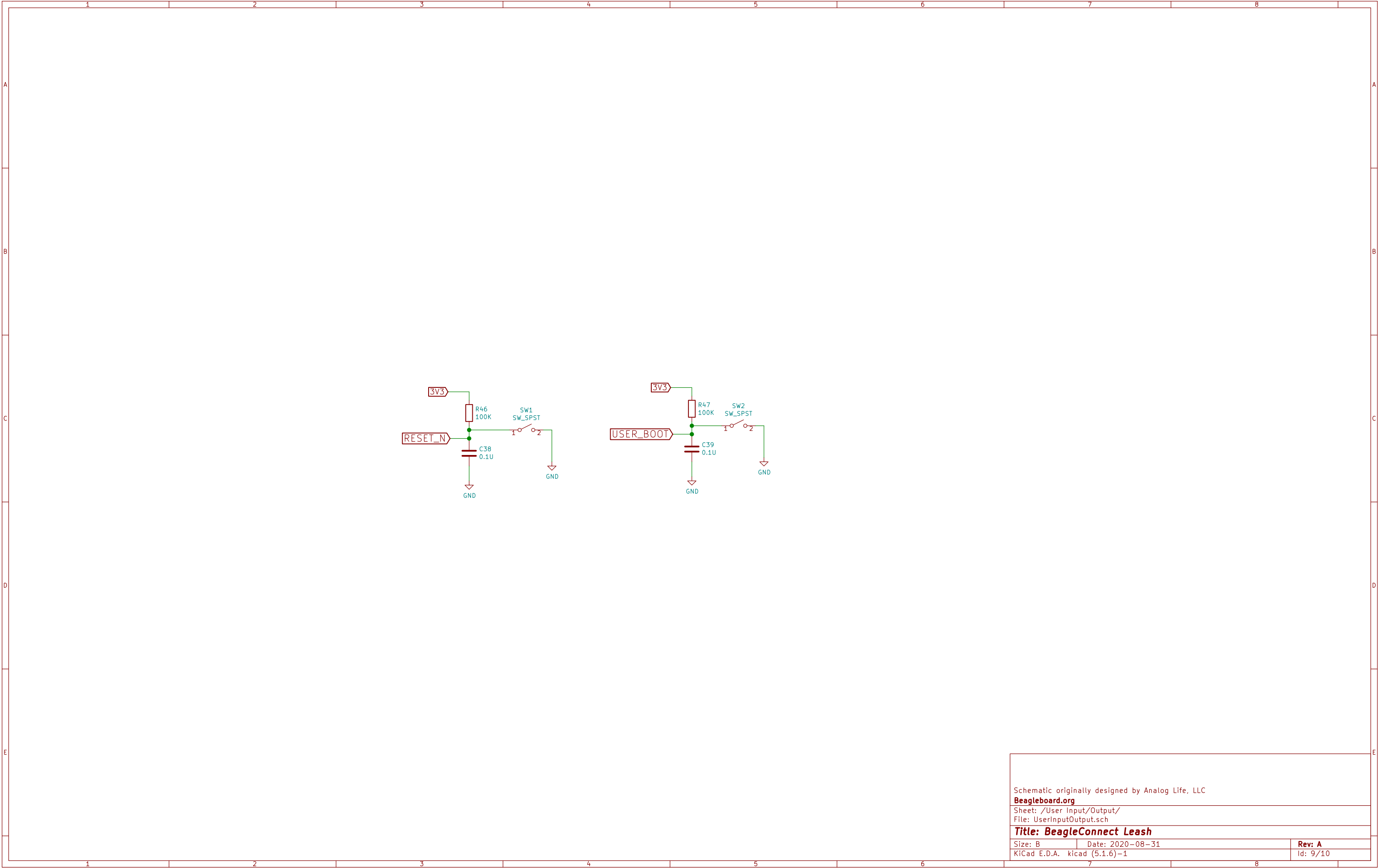
Date: 2020-08-31

Rev: A

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Id: 7/10





Schematic originally designed by Analog Life, LLC

Beagleboard.org

Sheet: /User Input/Output/

File: UserInputOutput.sch

Title: BeagleConnect Leash

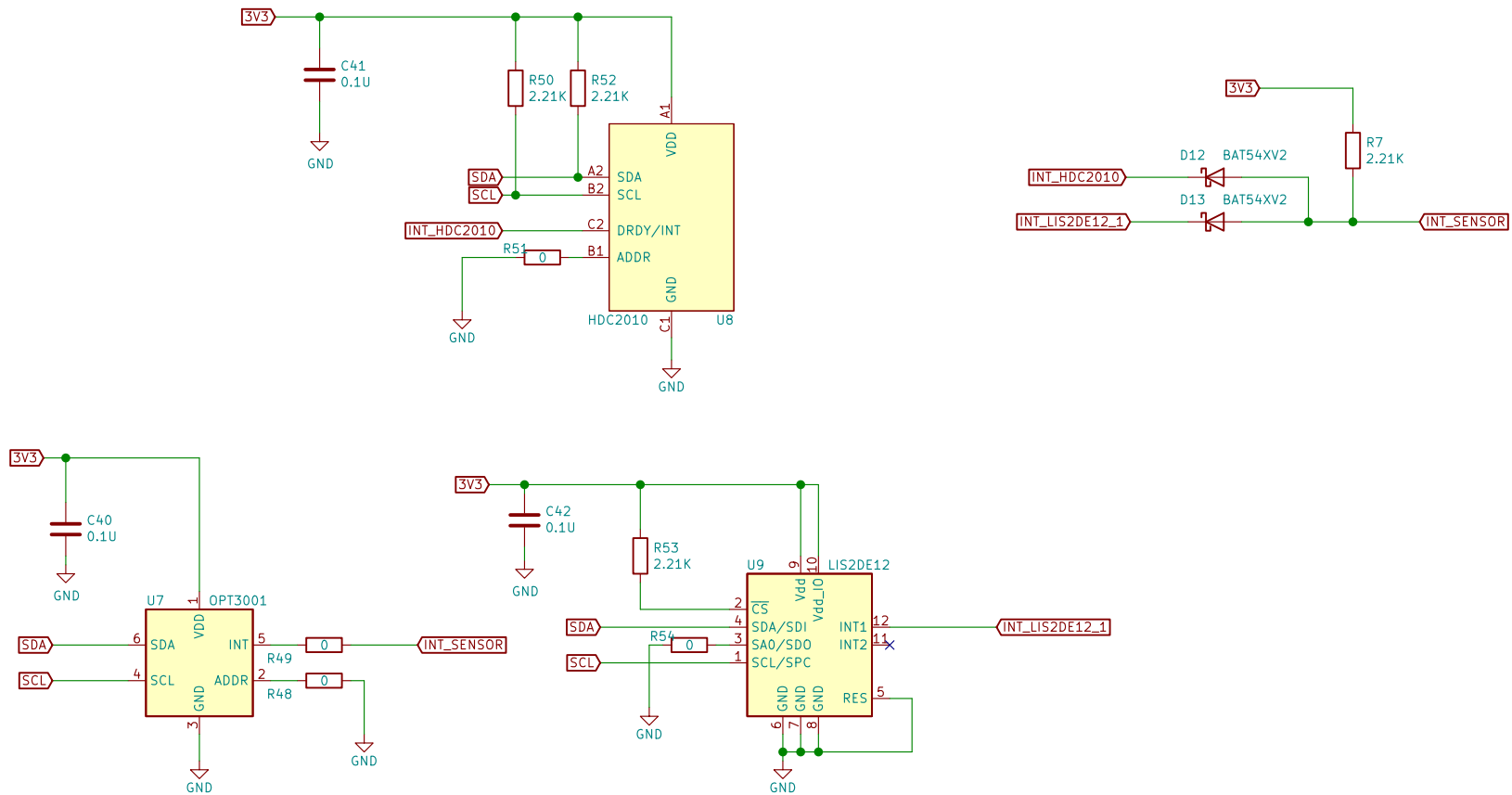
Size: B

Date: 2020-08-31

Rev: A

KiCad E.D.A. kicad (5.1.6)-1

Id: 9/10



Schematic originally designed by Analog Life, LLC

Sheet: /Sensors/
File: Sensors.sch

Title: BeagleConnect Leash

Size: A4 Date: 2020-08-31

KiCad E.D.A. kicad (5.1.6)-1

Rev: A

Id: 10/10