

## Battery Input

BatteryInput.sch



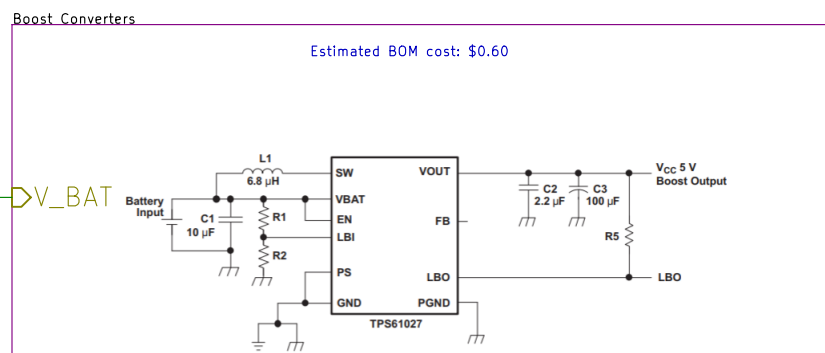
## Alt Power Input

ExternalInput.sch



## USB Input (Power/serial)

USB\_Input.sch



## Power Conversion

Boost.sch



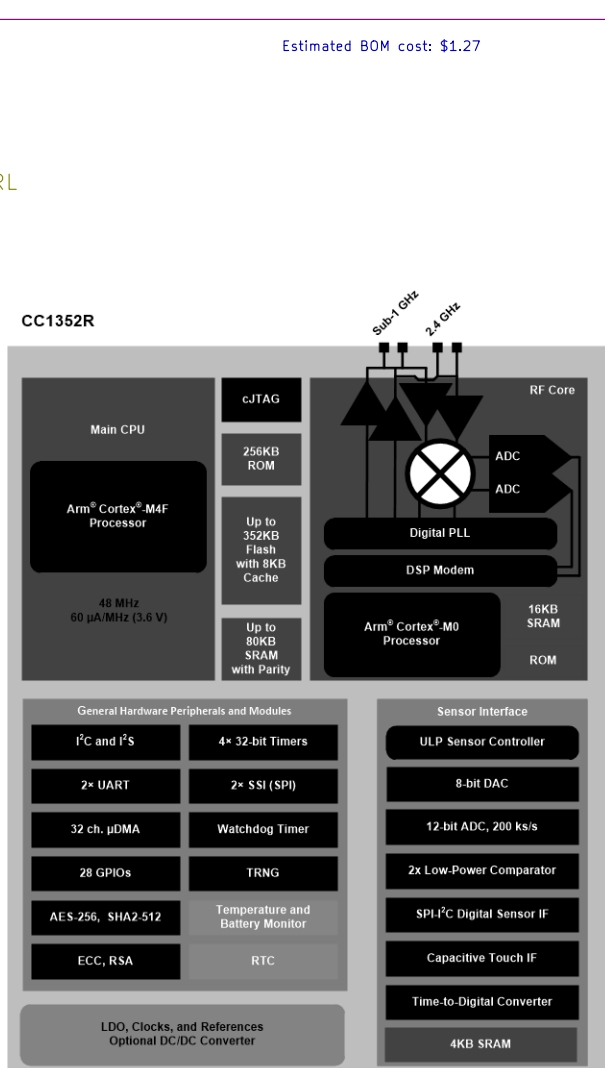
## User I/O

UserInputOutput.sch



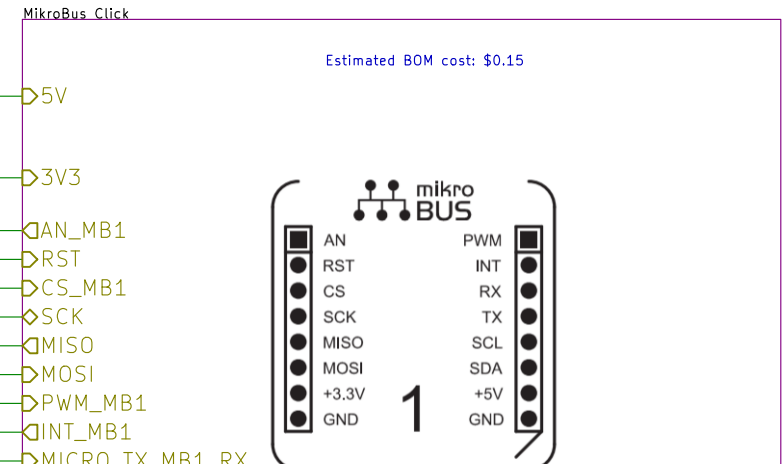
## Programming

Programming.sch



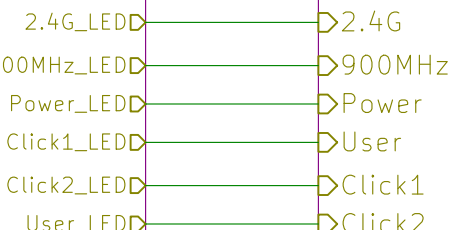
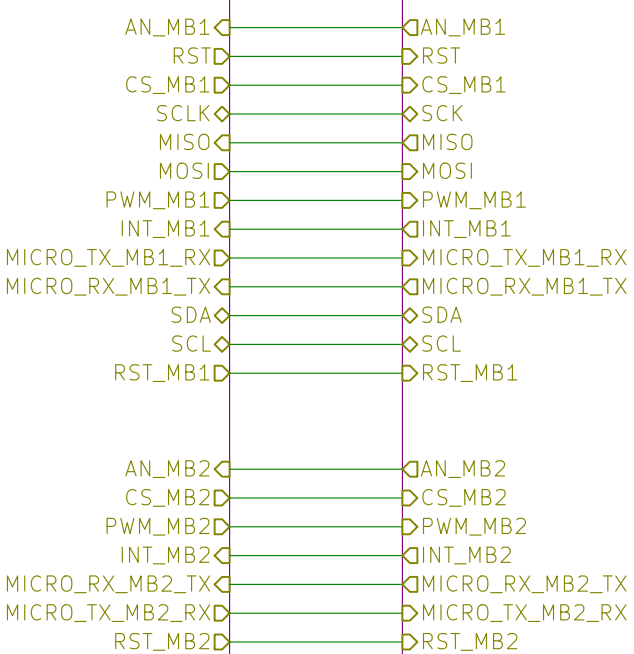
## RF and Processor

RF.sch



## MikroBus Headers

MikroBusClick.sch



## Indicators

Indicators.sch





Schematic designed by Analog Life, LLC

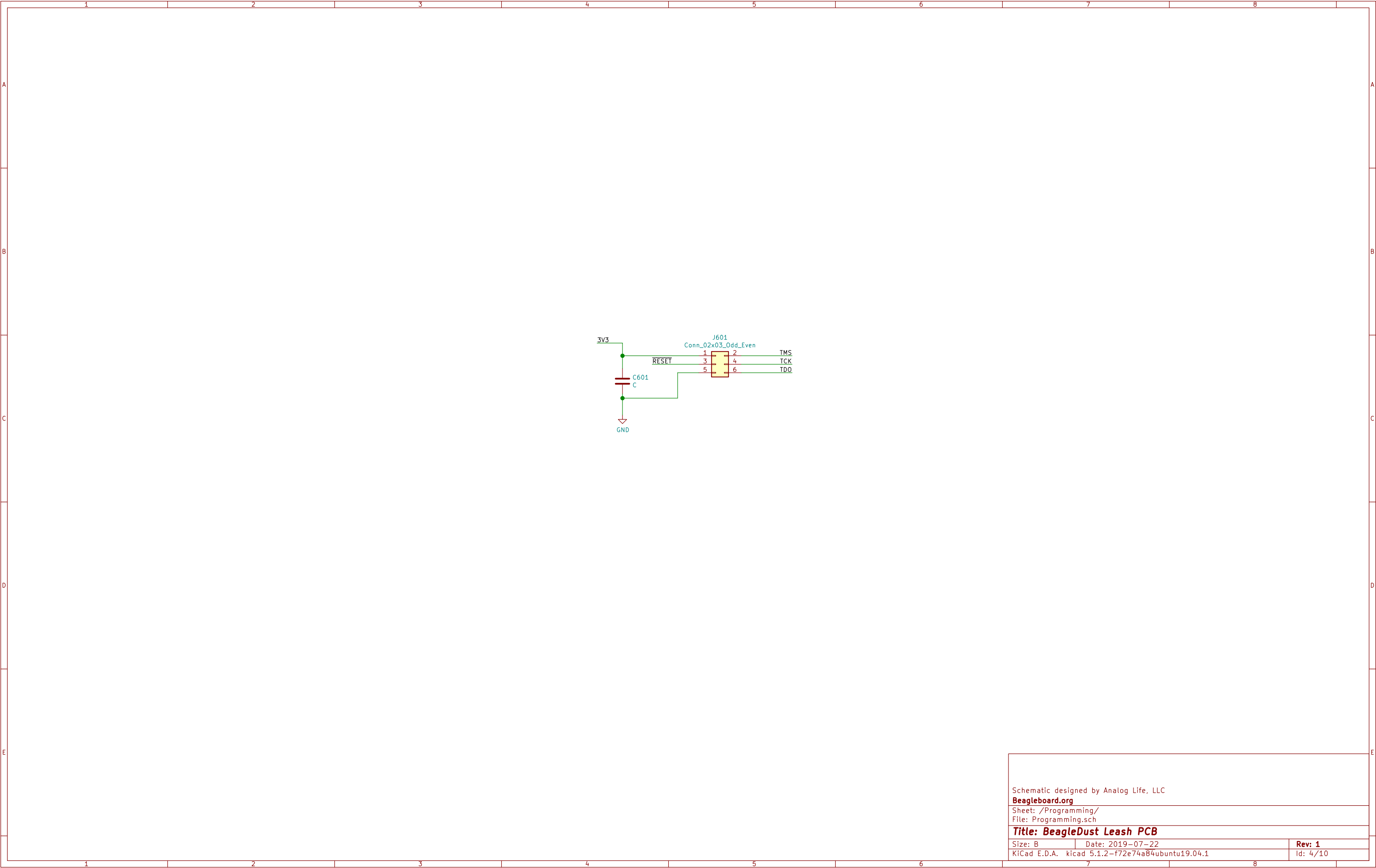
**Beagleboard.org**

Sheet: /External Input/

File: ExternalInput.sch

**Title: BeagleDust Leash PCB**

Size: B	Date: 2019-07-22	Rev: 1
KiCad E.D.A.	kiCad 5.1.2-f72e74a84ubuntu19.04.1	Id: 3/10



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**Beagleboard.org**

Sheet: /Programming/

File: Programming.sch

**Title: BeagleDust Leash PCB**

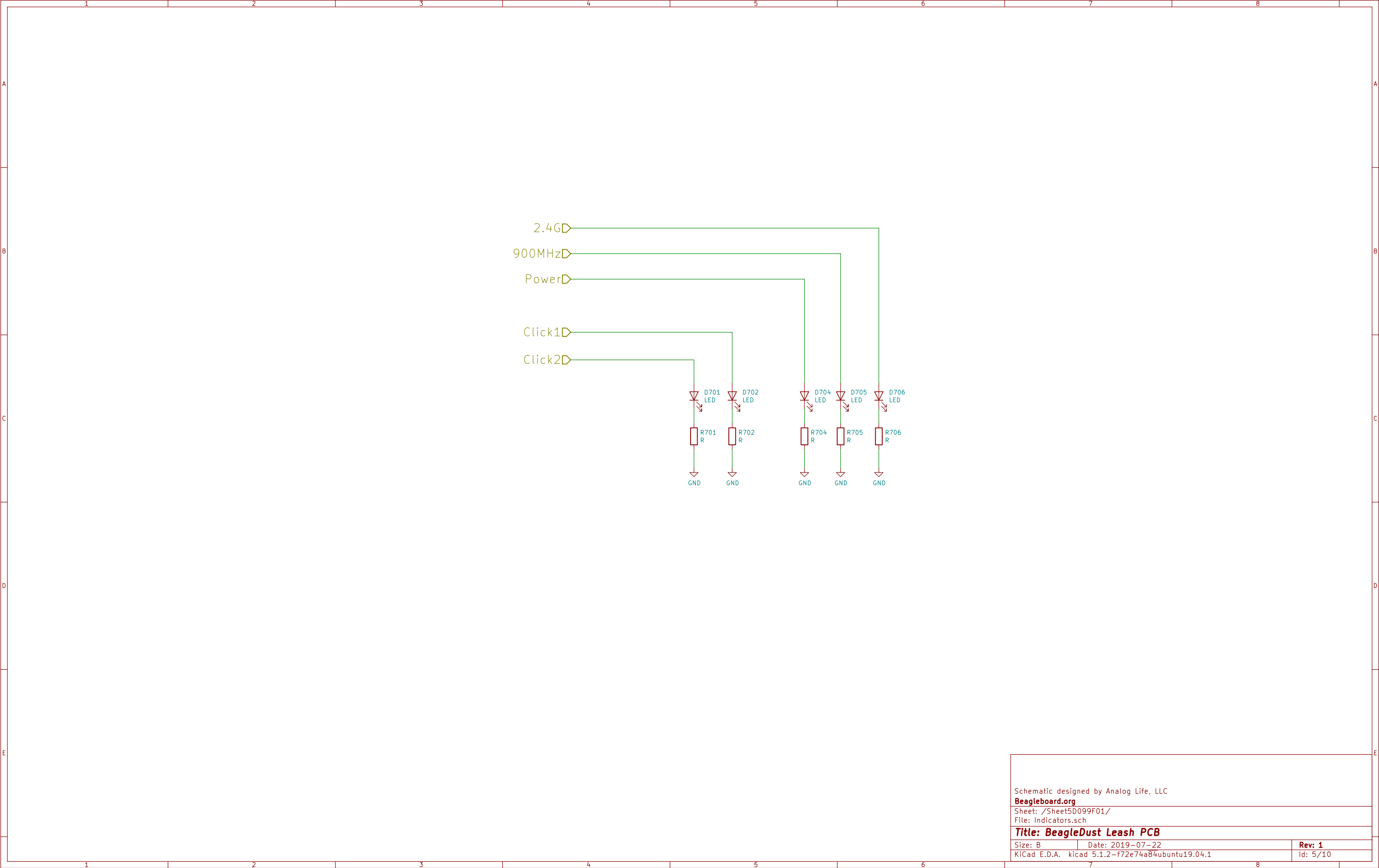
Size: B

Date: 2019-07-22

Rev: 1

KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu19.04.1

Id: 4/10



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**Beagleboard.org**

Sheet: /Sheet5D099F01/

File: Indicators.sch

**Title: BeagleDust Leash PCB**

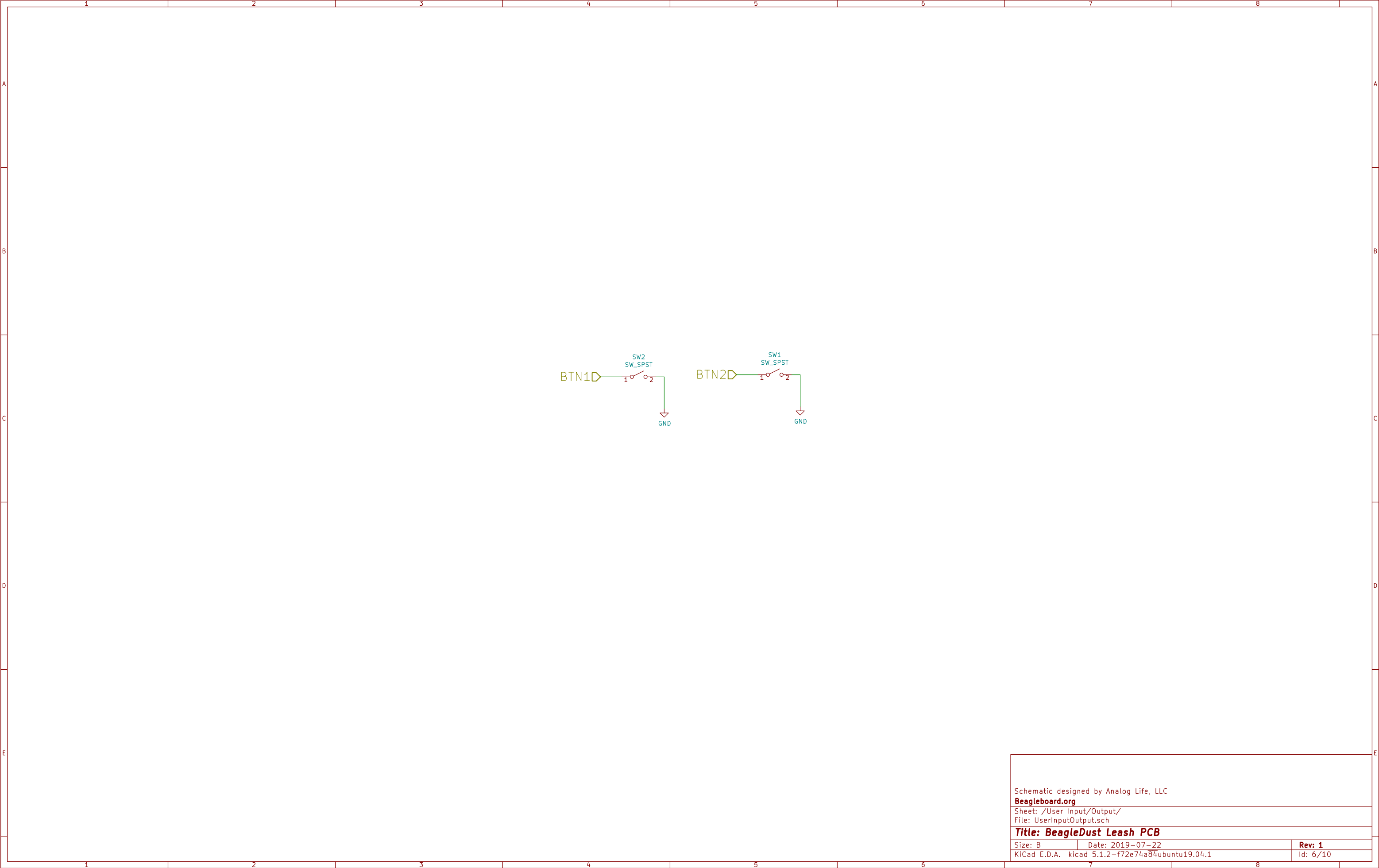
Size: B

Date: 2019-07-22

Rev: 1

KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu19.04.1

Id: 5/10



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**Beagleboard.org**

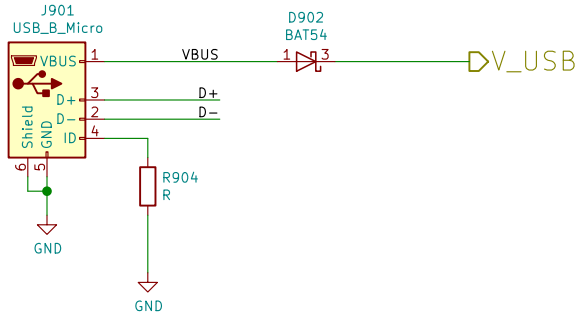
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File: UserInputOutput.sch

**Title: BeagleDust Leash PCB**

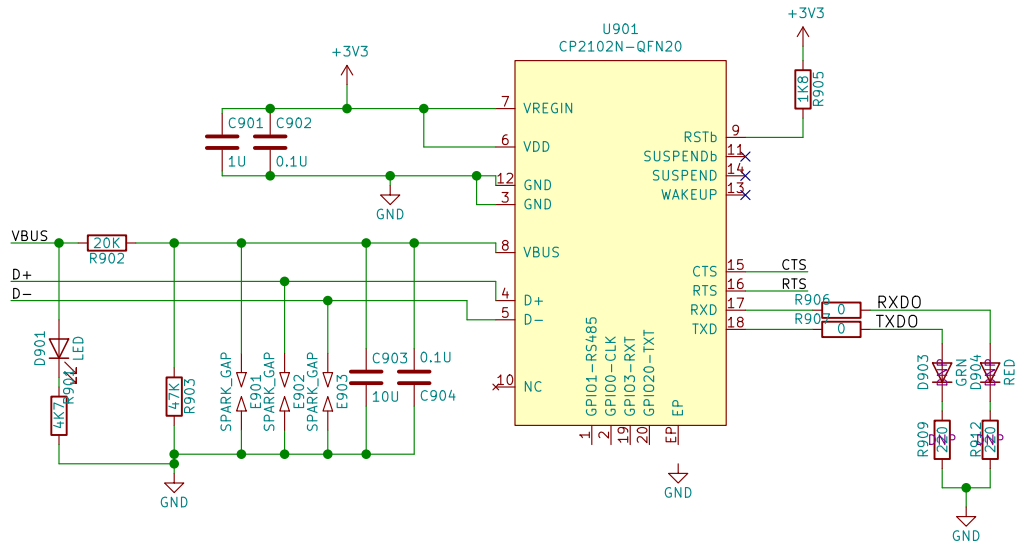
Size: B	Date: 2019-07-22	Rev: 1
KiCad E.D.A.	kiCad 5.1.2-f72e74a84ubuntu19.04.1	Id: 6/10

USB Micro input



TXDO → MICRO\_RX\_SERIALDEBUG\_TX  
RXDO → MICRO\_TX\_SERIALDEBUG\_RX

USB to Serial Converter



Schematic designed by Analog Life, LLC

**Beagleboard.org**

Sheet: /USB Input/

File: USB\_Input.sch

**Title: BeagleDust Leash PCB**

Size: B

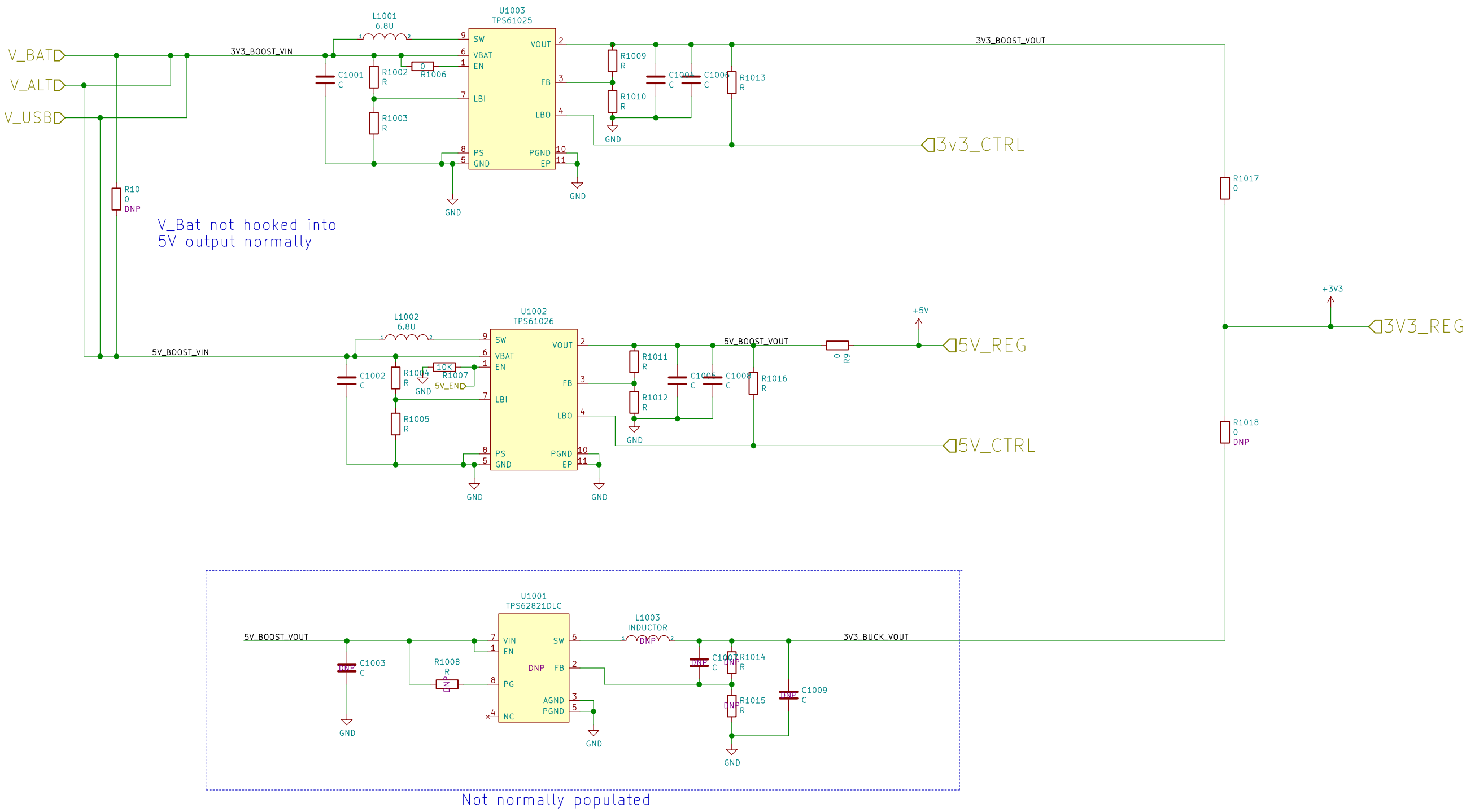
Date: 2019-07-22

Rev: 1

KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu19.04.1

Id: 7/10

CONFIG 1: All power inputs go into 3V3 boost, ALT and USB go into the 5V boost  
CONFIG 2: All power inputs go into 3V3 boost, all go into the 5V boost  
CONFIG 3: All power inputs go into 5V boost, 5V is bucked down to 3V3



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Sheet: /Boost Converters/

File: Boost.sch

Title: BeagleDust Leash PCB

Size: B

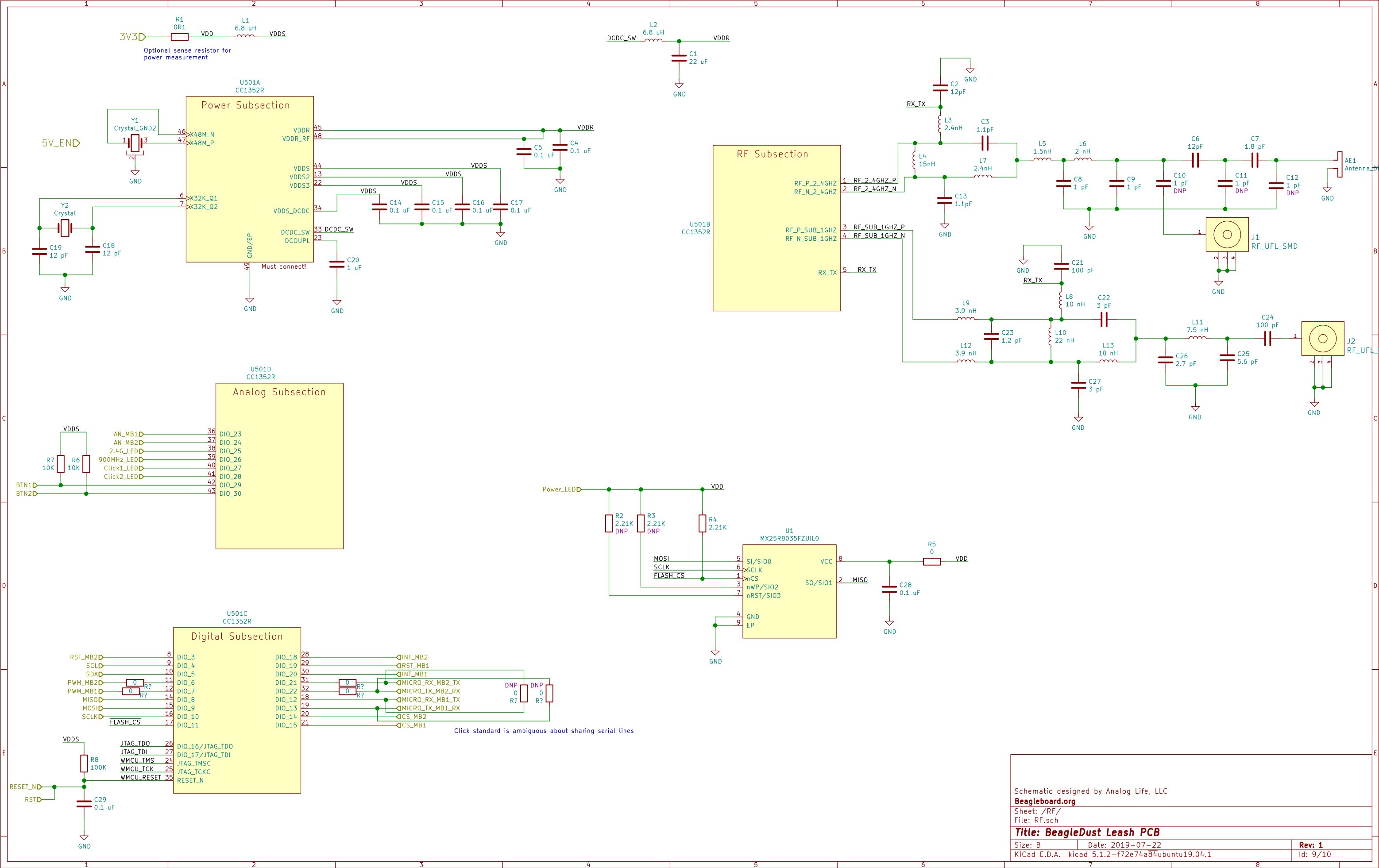
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Id: 8/10





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Sheet: /RF/

File: RF.sch

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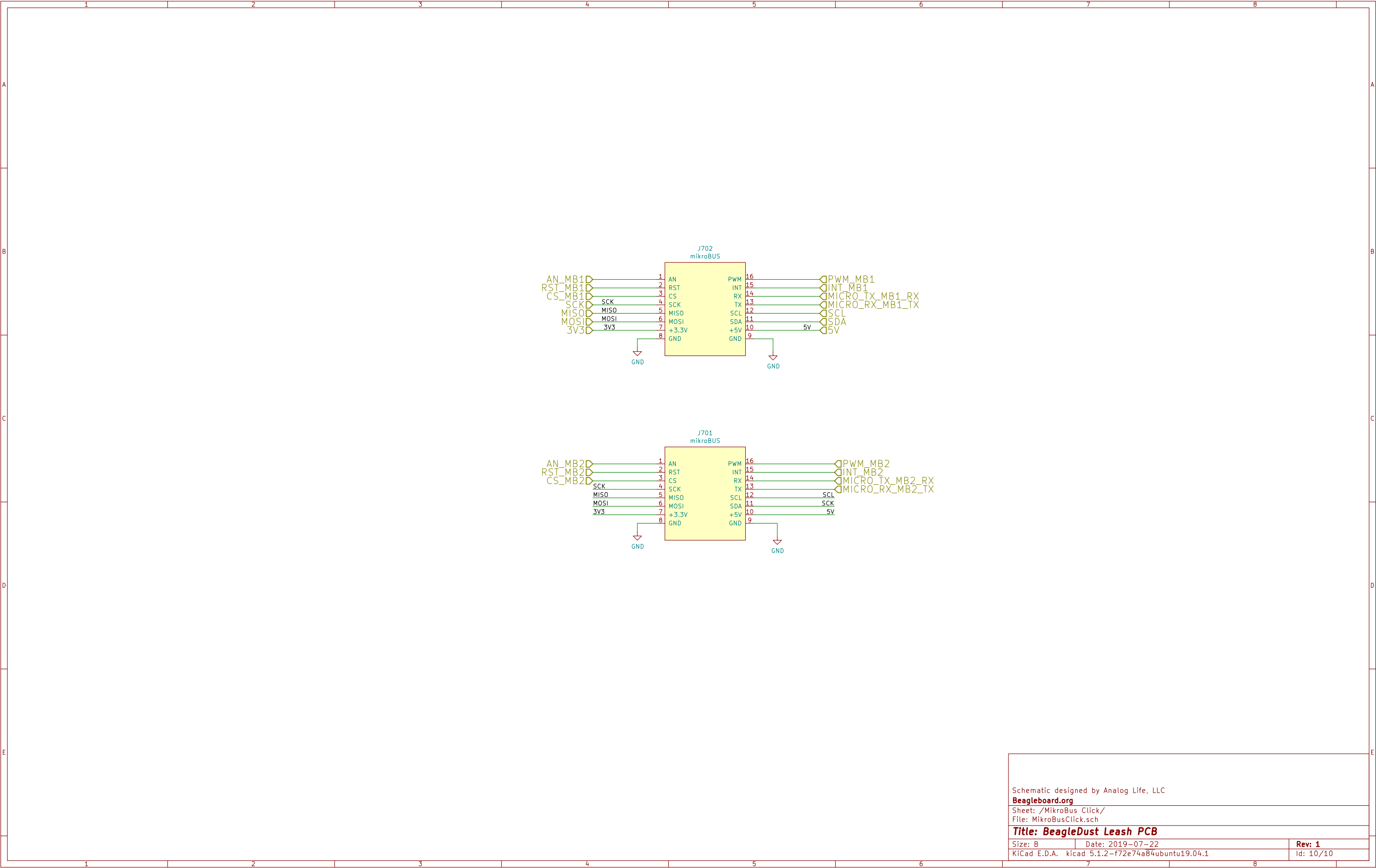
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Rev: 1

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Id: 9/10



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**Beagleboard.org**

Sheet: /MikroBus Click/

File: MikroBusClick.sch

**Title: BeagleDust Leash PCB**

Size: B

Date: 2019-07-22

Rev: 1

KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu19.04.1

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