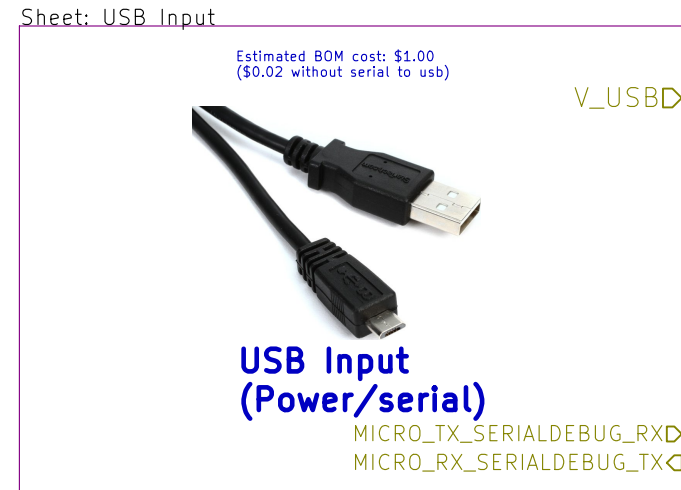


Battery Input

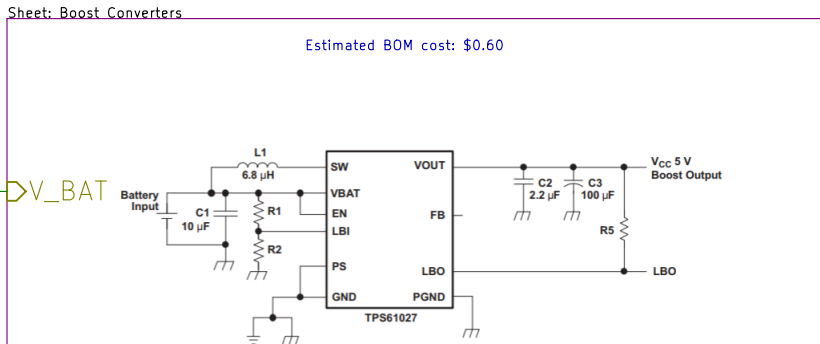
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File: ExternalInput.sch

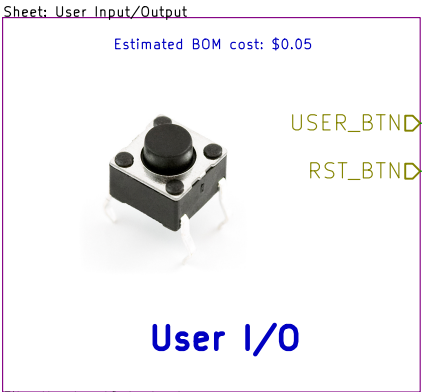


File: USB_Input.sch

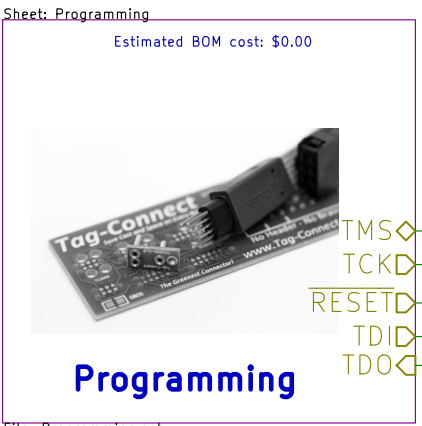


Power Conversion

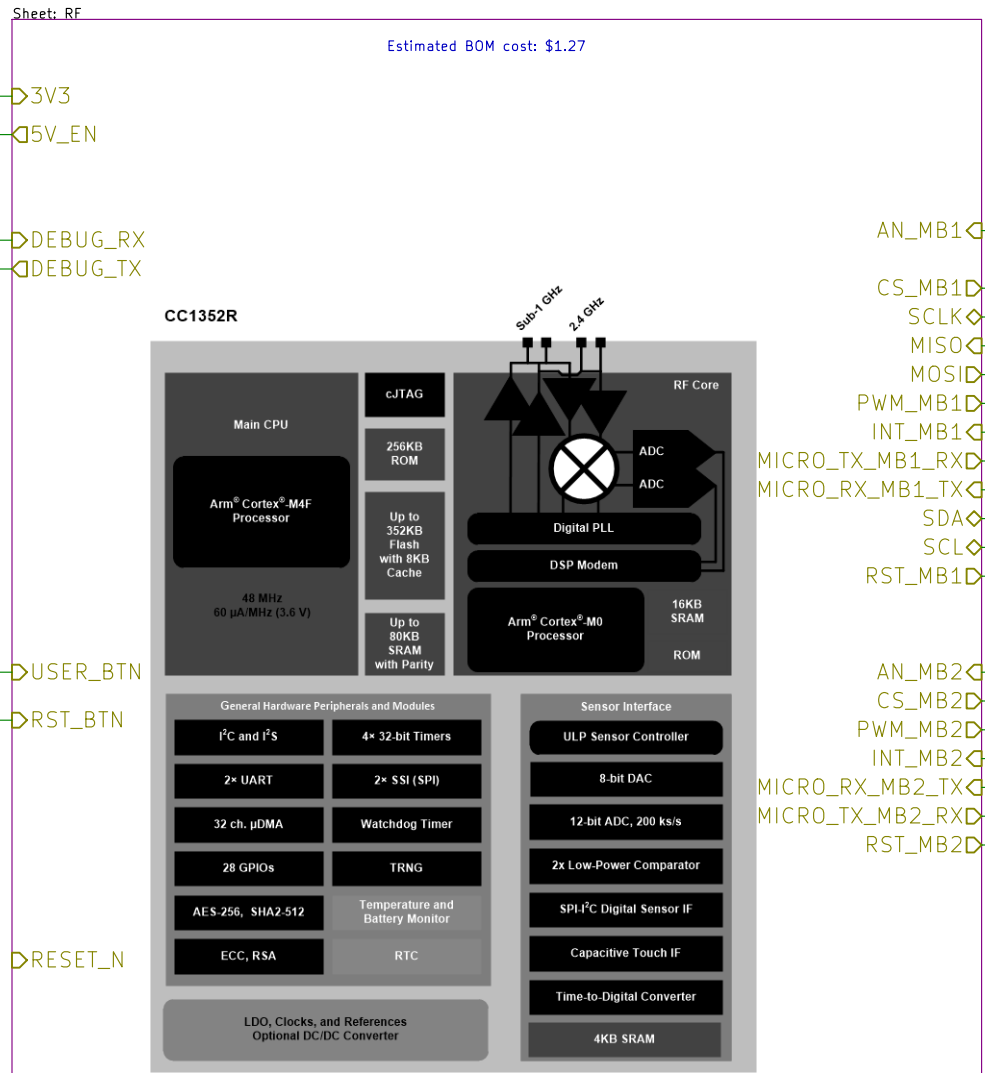
File: Boost.sch



File: UserInputOutput.sch

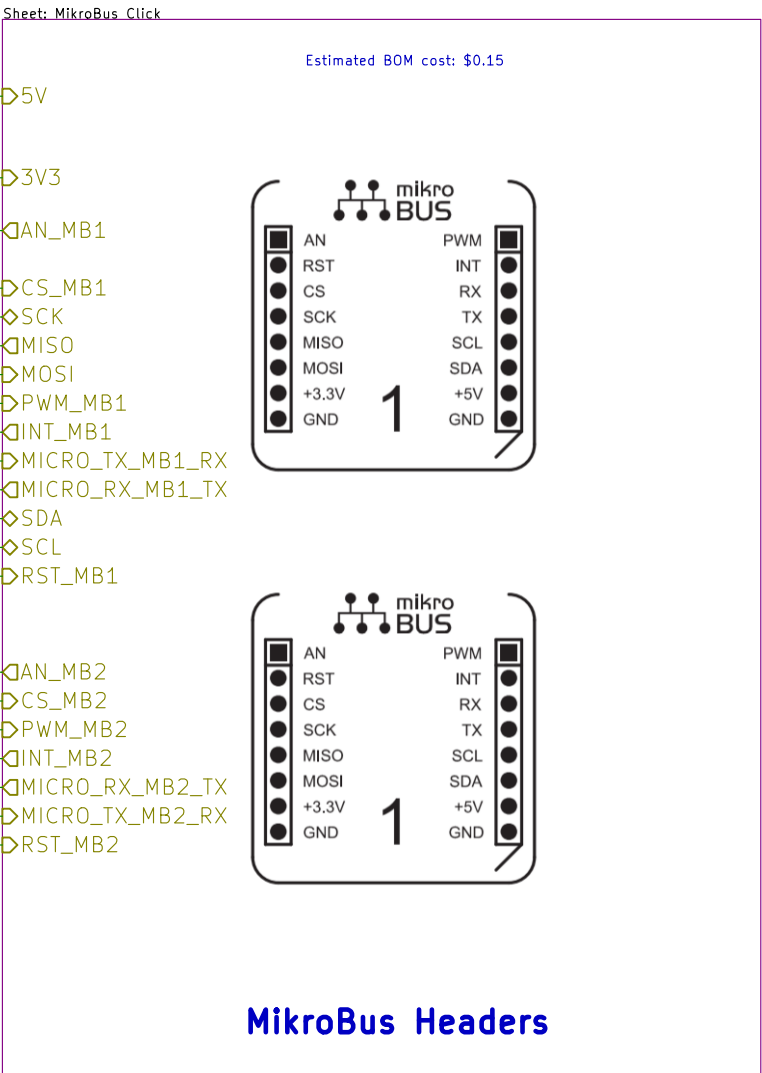


File: Programming.sch



RF and Processor

File: RF.sch



File: Indicators.sch

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Sheet: /

File: LeashPCB.sch

Title: BeagleDust Leash PCB

Size: C

Date: 2019-08-12

KICad E.D.A. kicad 5.1.4-e60b26684ubuntu19.04.1

Rev: A

Id: 1/10

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File: BatteryInput.sch

Title: BeagleDust Leash PCB

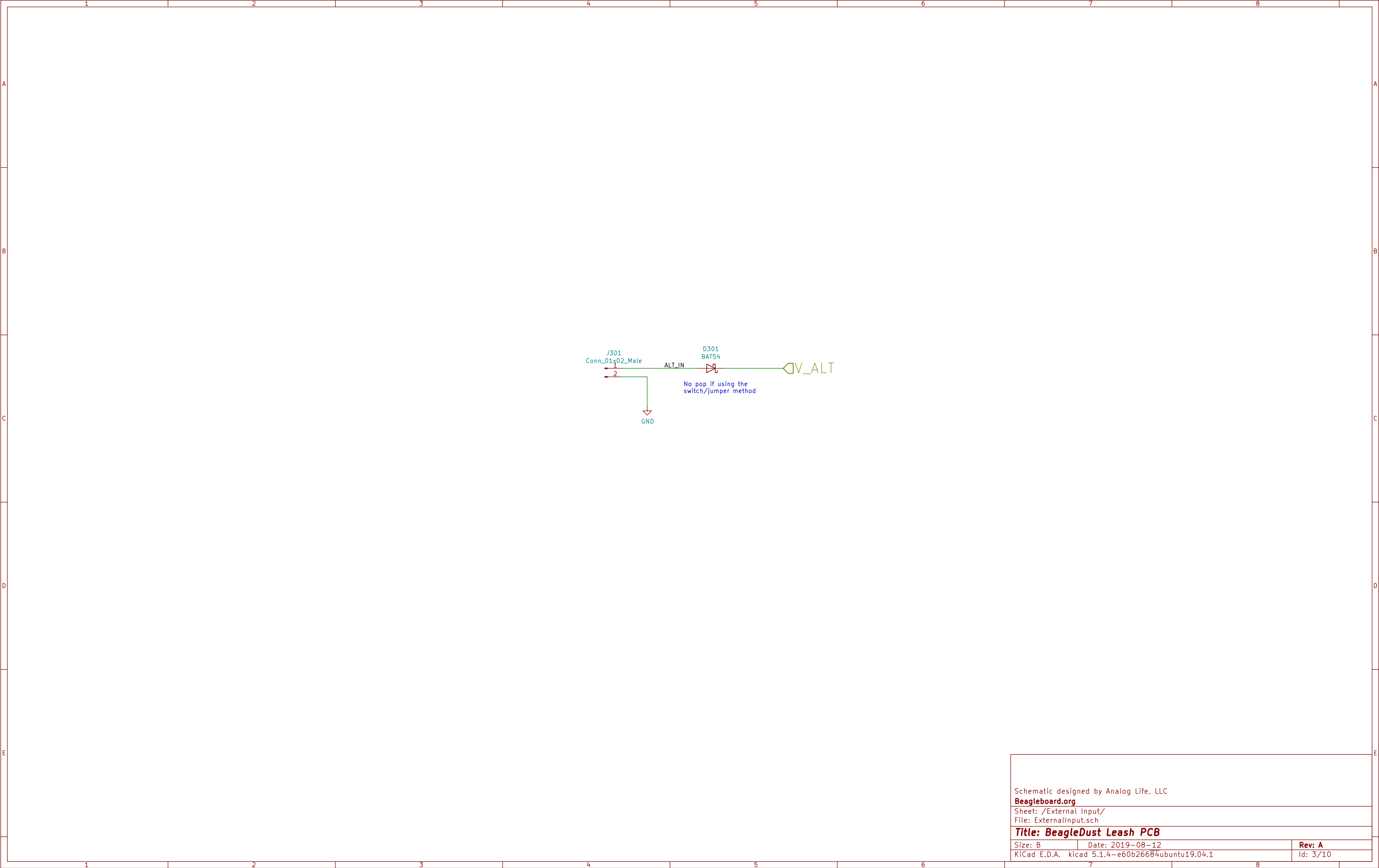
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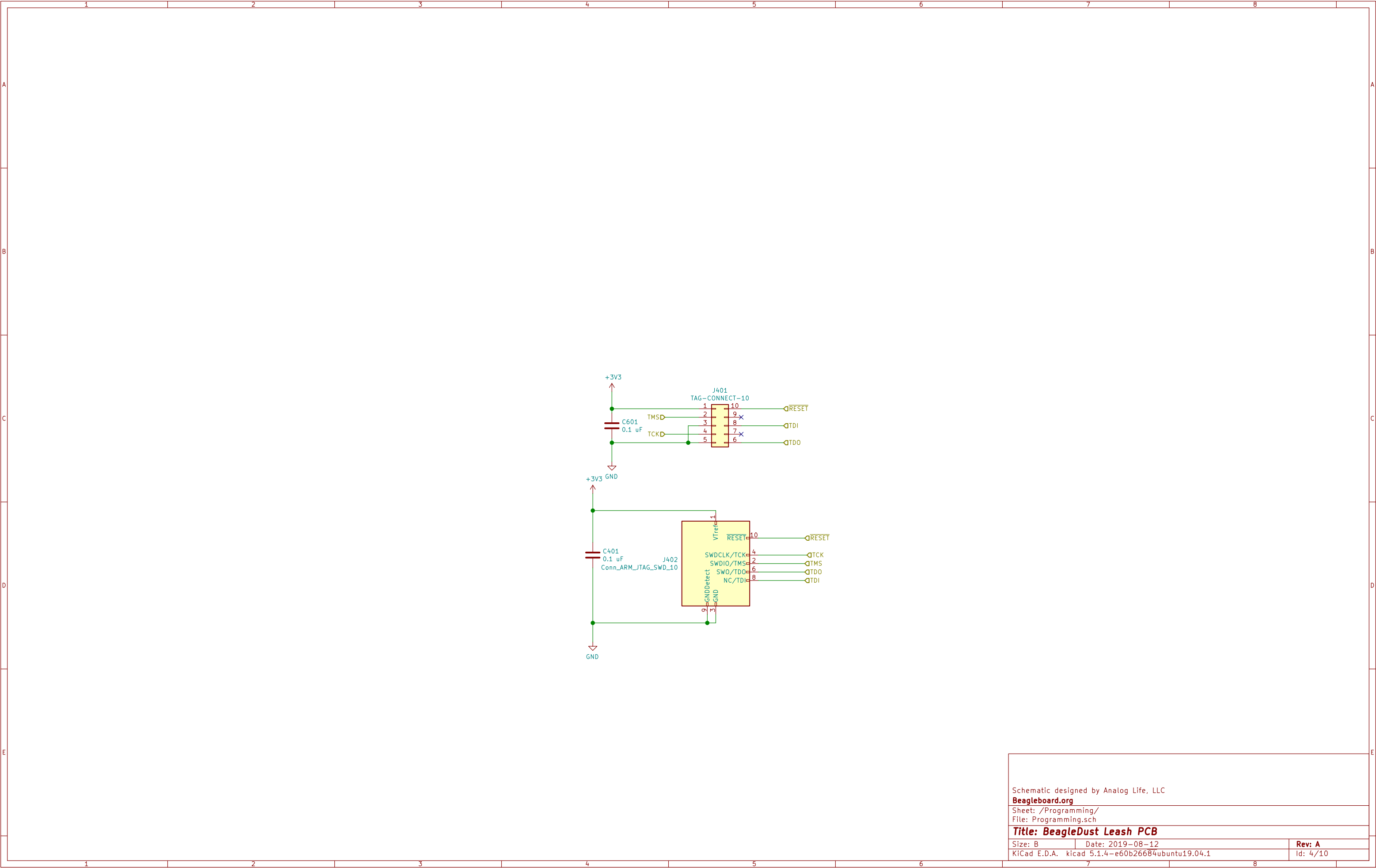
Date: 2019-08-12

Rev: A

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu19.04.1

d: 2/10





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Sheet: /Programming/

File: Programming.sch

Title: BeagleDust Leash PCB

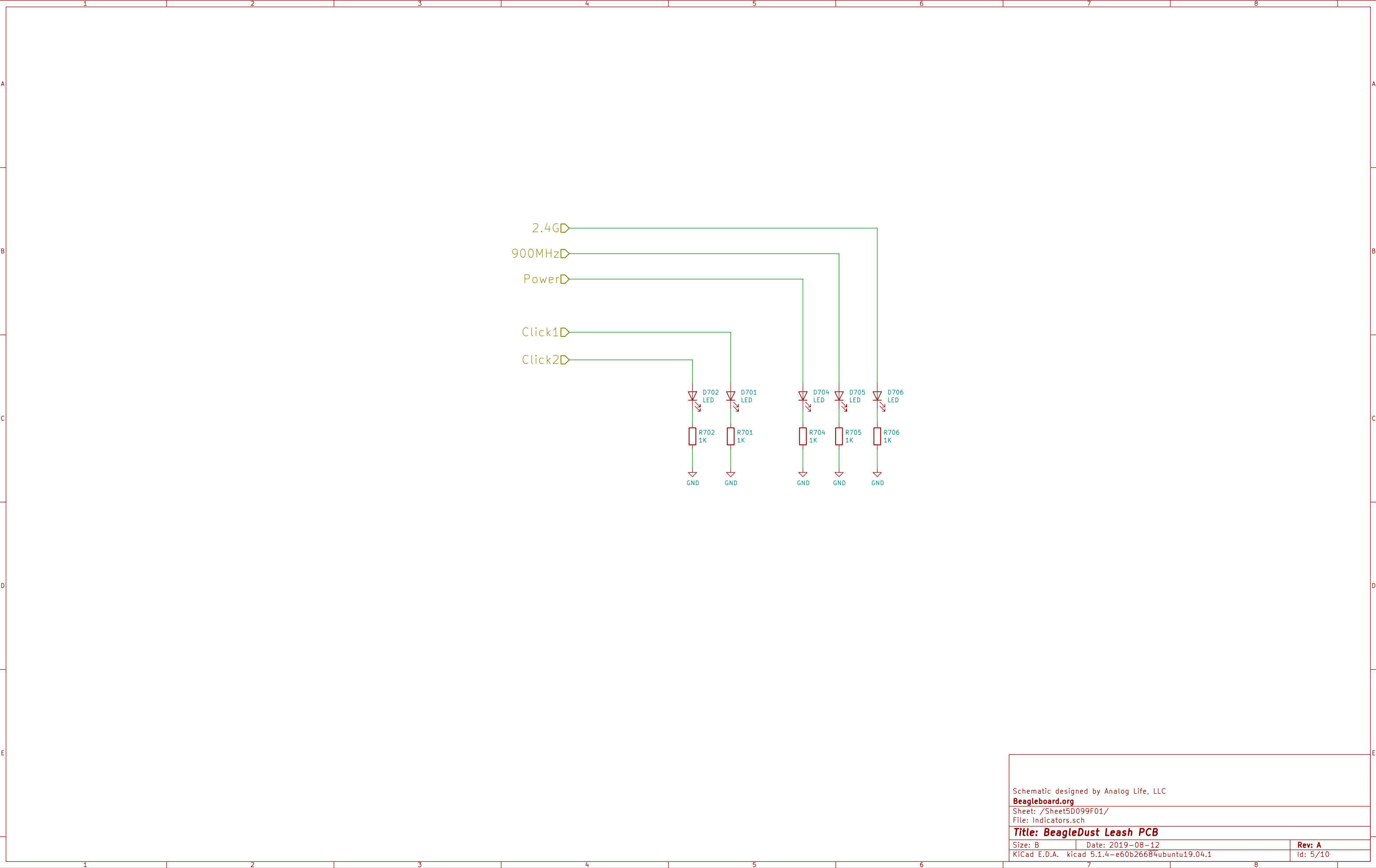
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Date: 2019-08-12

Rev: A

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu19.04.1

Id: 4/10



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Sheet: /Sheet5D099F01/

File: Indicators.sch

Title: BeagleDust Leash PCB

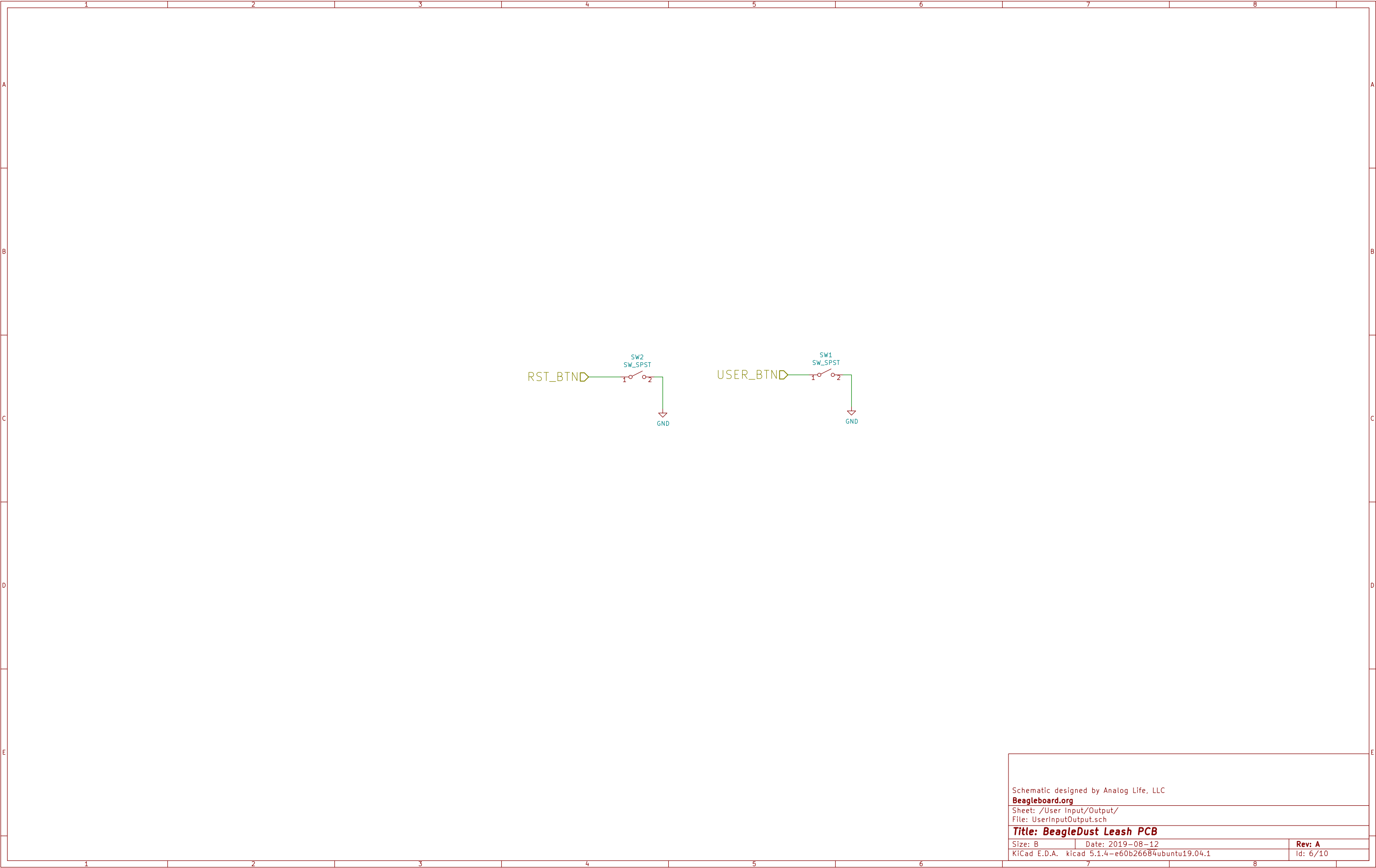
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Date: 2019-08-12

Rev: A

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu19.04.1

Id: 5/10



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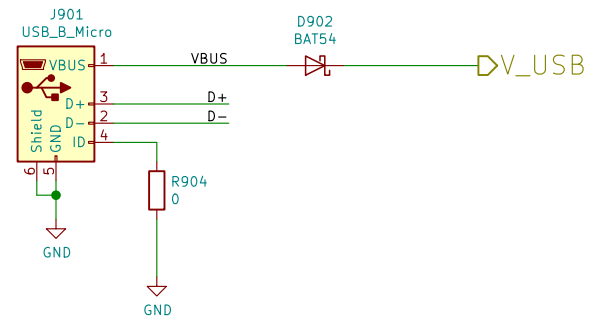
Beagleboard.org

Sheet: /User Input/Output/

File: UserInputOutput.sch

Title: BeagleDust Leash PCB

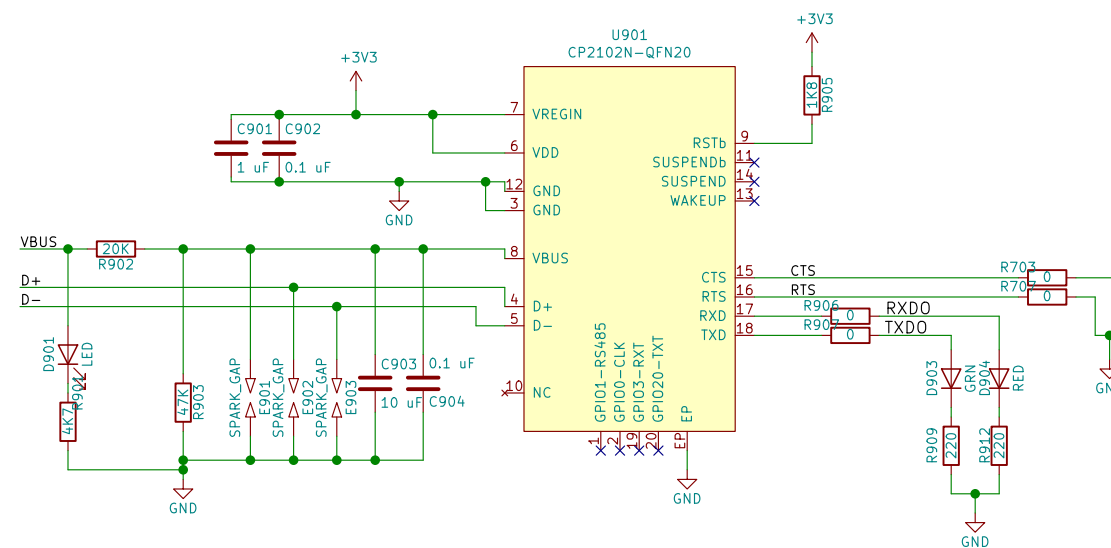
Size: B	Date: 2019-08-12	Rev: A
KiCad E.D.A.	kiCad 5.1.4-e60b26684ubuntu19.04.1	Id: 6/10



TXD0 — MICRO_RX_SERIALDEBUG_TX

RXDO — MICRO_TX_SERIALDEBUG_RX

USB to Serial Converter



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Sheet: /USB Input/

File: USB_Input.sch

Title: BeagleDust Leash PCB

Size: B

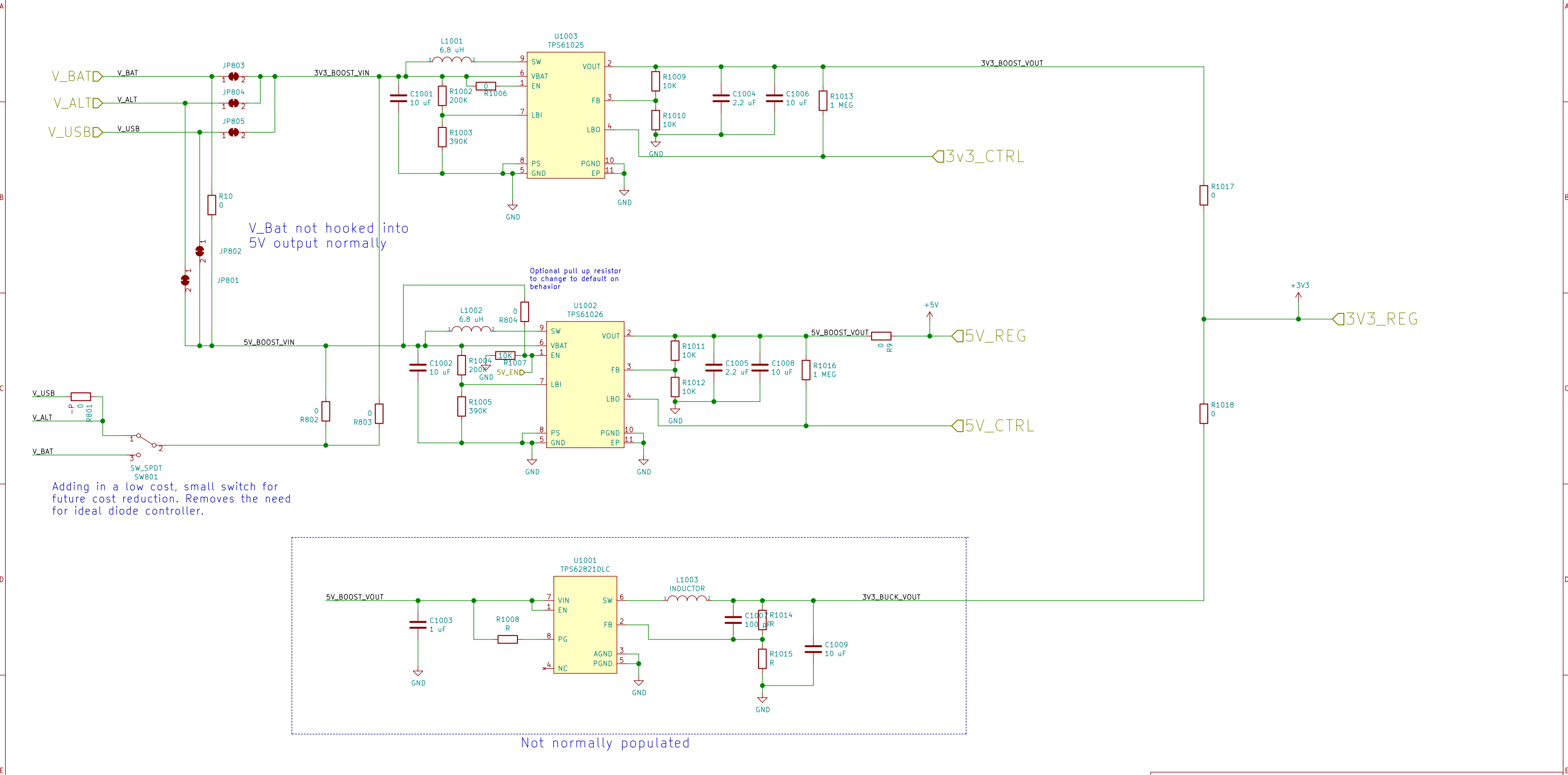
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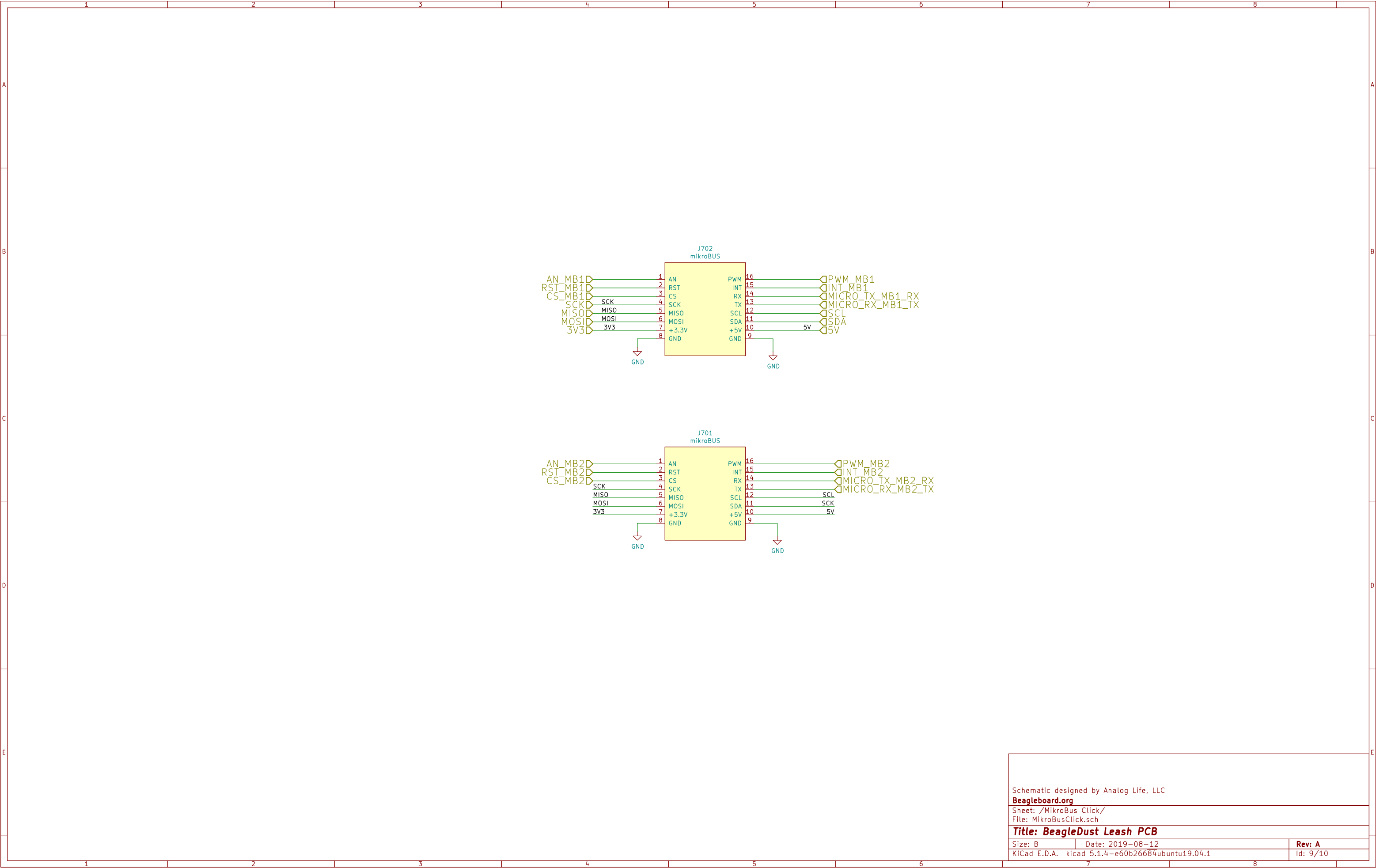
Rev: A

Size: B	Date: 2019-08-12
KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu19.04.1	

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
CONFIG 4: User has to manually switch from internal power to external power, which are diode ORed together





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Sheet: /MikroBus Click/

File: MikroBusClick.sch

Title: BeagleDust Leash PCB

Size: B

Date: 2019-08-12

Rev: A

KiCad E.D.A. kicad 5.1.4-e60b26684ubuntu19.04.1

Id: 9/10

