

Schematic originally designed by Analog Life, LLC

[Beagleboard.org](https://beagleboard.org)

Sheet: /Programming/

Files: Programming.sch

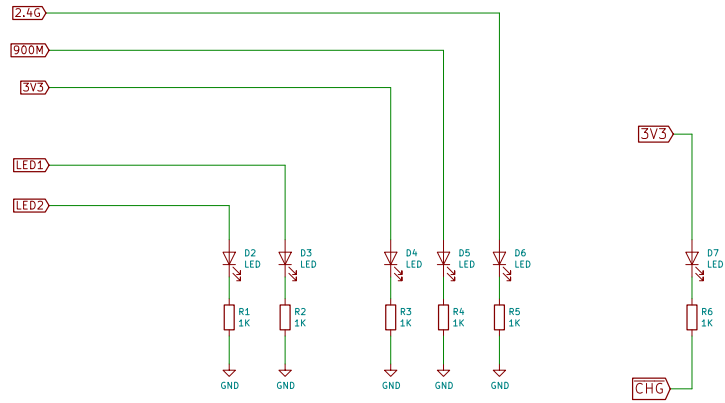
Title: BeagleConnect Leash

Size: B Date: 2020-08-31

KiCad E.D.A. kicad 5.1.5-52549c586ubuntu18.04.1

Rev: A

Id: 3/10



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[Beagleboard.org](https://beagleboard.org)

Sheet: /Sheet5D099F01/

Files: indicators.sch

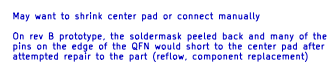
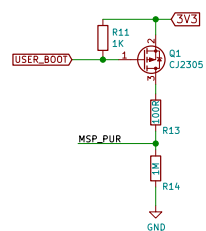
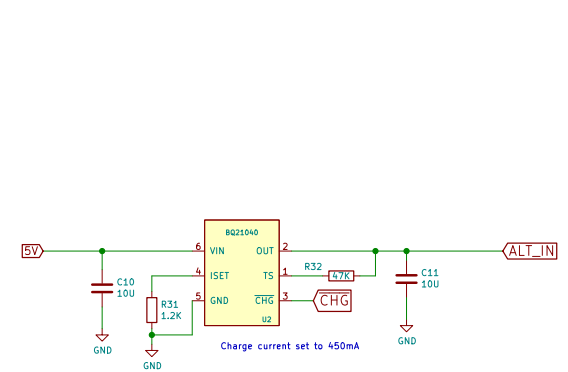
Title: BeagleConnect Leash

Size: B | Date: 2020-08-31

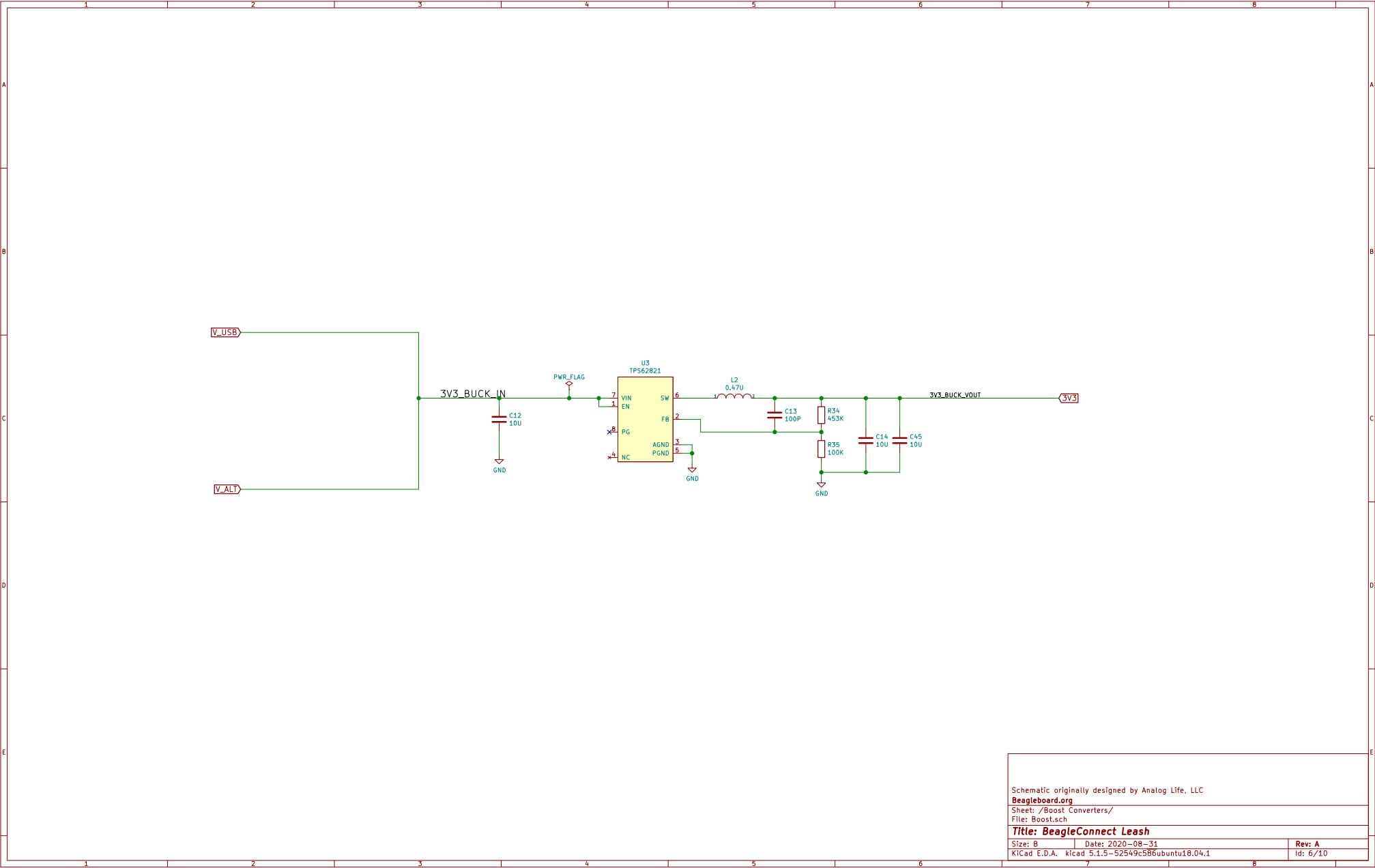
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The USER_BOOT button is also used as an input to the CC1352R for it's programming, but is active low



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Sheet: /Boost Converters/
Files: Boost.sch

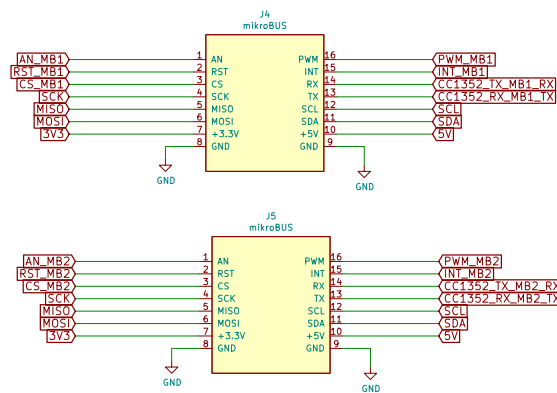
Title: BeagleConnect Leash

Size: B | Date: 2020-08-31 | Rev: A

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*Footprint is component footprint plus 1 mm per side.

Part	Manufacturer	Part Number	Quantity	Total Price (\$)	Attribute	Total Footprint (mm²)	Top View	Edit
Cin	TDK	C1608X7S1A475K080AC	1	0.06	Cap = 4.7 µF Total Dissipatd Cap = 1.5 µF VDC = 16 V ESR = 3.73 mΩ Package = 0603	4.68		SELECT ALTERNATE PART
L1	Murata	DPE201610E-W47M-P2	1	0.15	L = 470 nH DCR = 36 mΩ IDC = 3.6 A	7.8		SELECT ALTERNATE PART
U1	Texas Instruments	TPS62821DLDR	1	0.47	Cap = 22 µF	7.5		



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Sheet: /MikroBus Click/

Files: MikroBusClick.sch

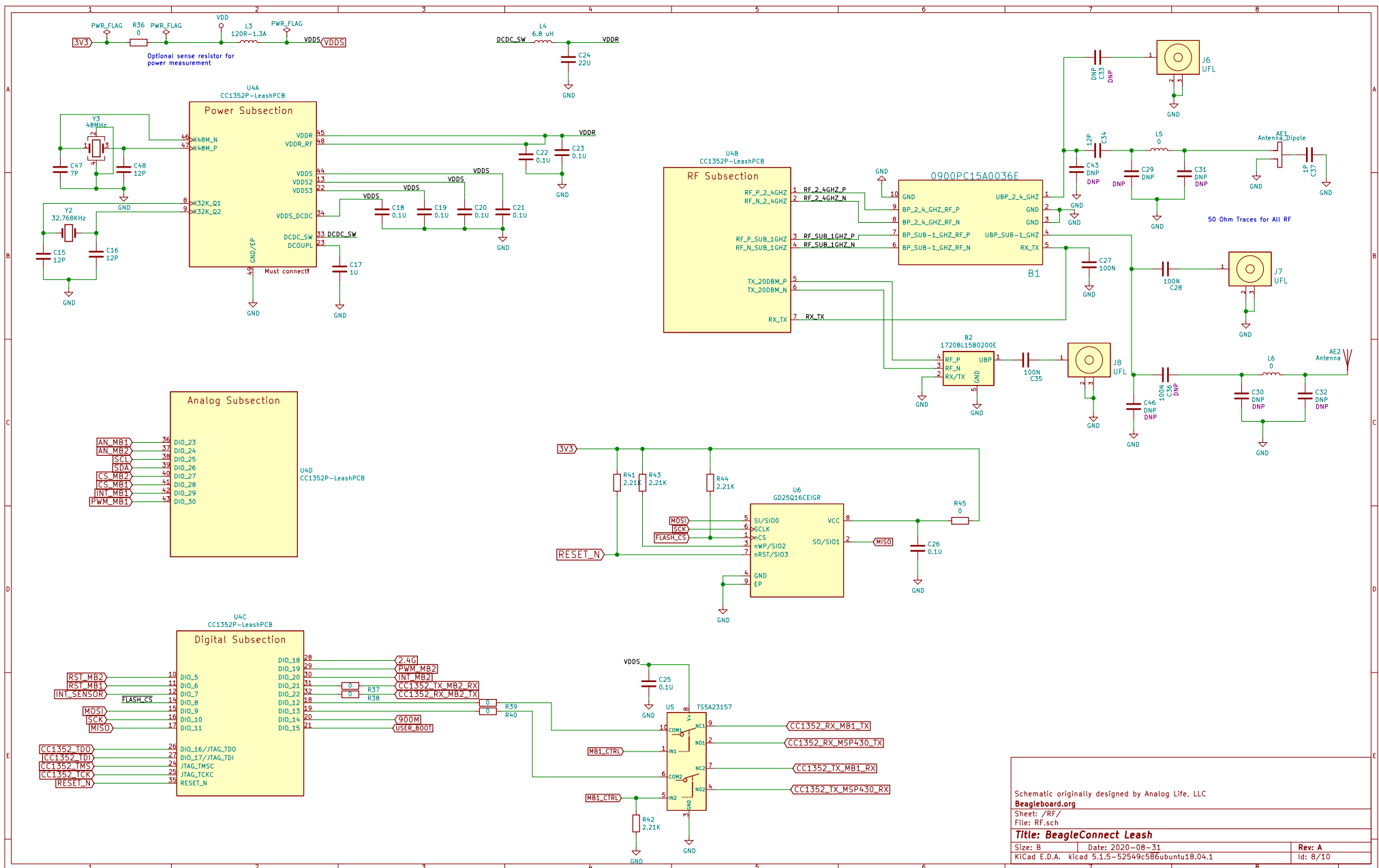
Title: BeagleConnect Leash

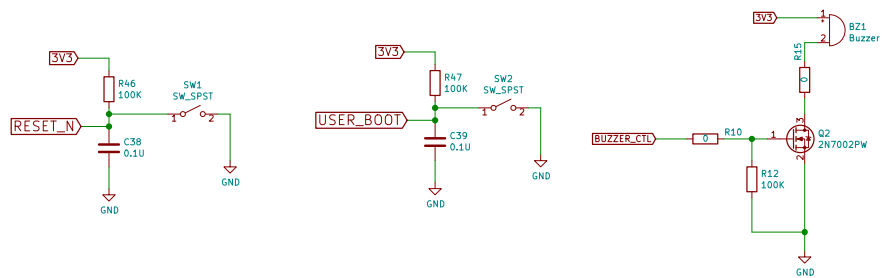
Size: B | Date: 2020-08-31

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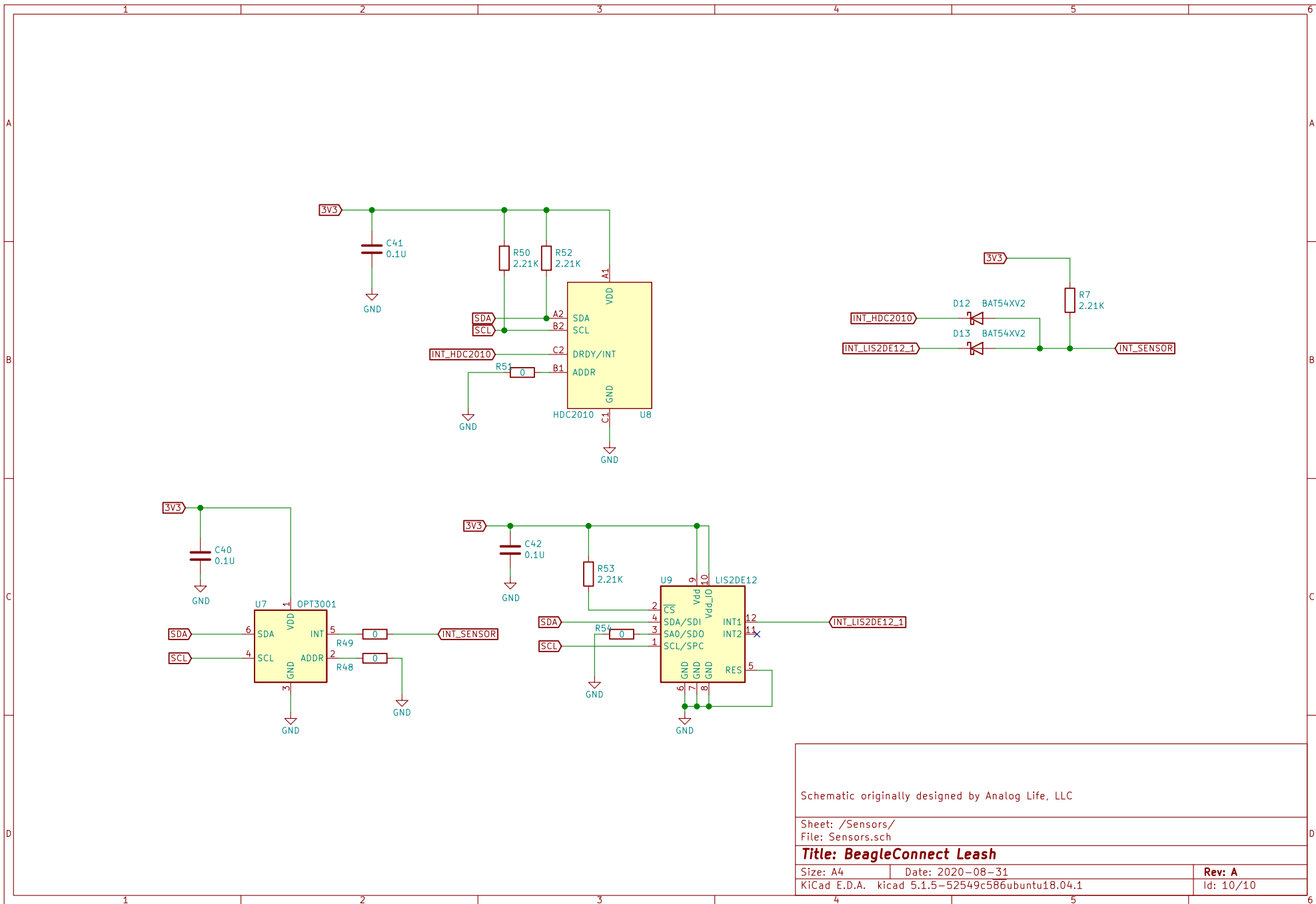
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Beagleboard.org		
Sheet: /User Input/Output/		
Files: UserInputOutput.sch		
Title: BeagleConnect Leash		
Size: B	Date: 2020-08-31	Rev: A
KiCad E.D.A.	kiCad 5.1.5-52549c586ubuntu18.04.1	Id: 9/10



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 5.1.5-52549c586ubuntu18.04.1

Rev: A
Id: 10/10