

nrf52840

File: nrf52840.kicad\_sch

ExpressLink

File: `expresslink.kicad_sch`

## Peripherals

File: peripherals.kicad\_sch

## Power

File: power.kicad\_sch

<https://github.com/aws-samples/aws-iot-connected-product-demo-badge>

Thomas Kriechbaumer (thomkrie@amazon.com)

## Amazon Web Services

Sheet: /

File: demo-badge-2023.kicad\_sch

**Title: AWS IoT – Connected Product – Demo Badge 2023**

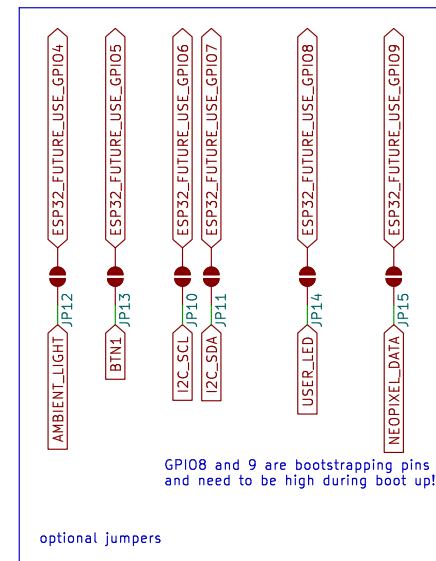
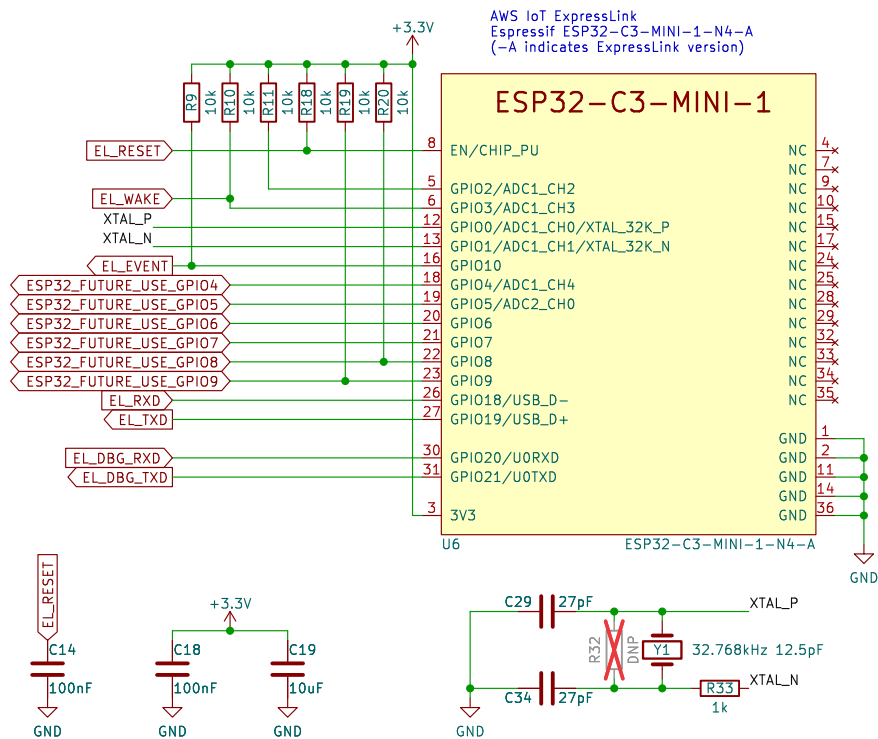
Size: A4

Date: 2023-08-22

Rev: 1

Size: 1.1	Date: 2023-08-22
KiCad E.D.A.	kicad-cli 7.0.8-7.0.8~ubuntu23.04.1

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Amazon Web Services

Sheet: /ExpressLink/

File: expresslink.kicad\_sch

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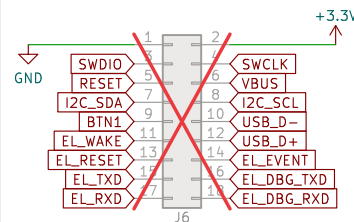
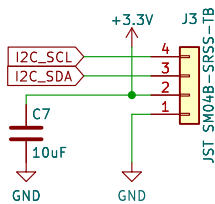
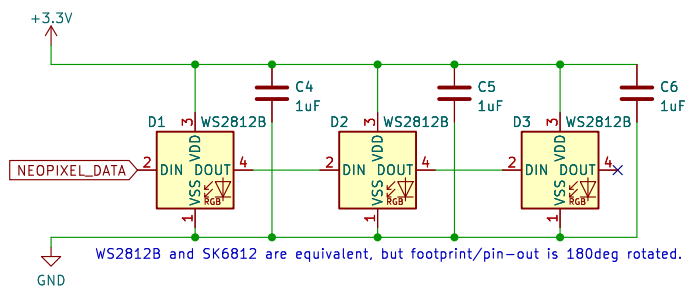
Size: A4

Date: 2023-08-22

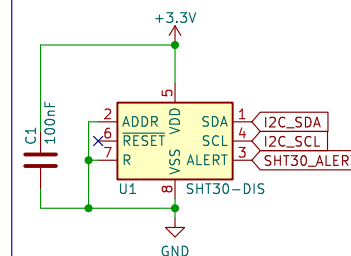
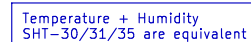
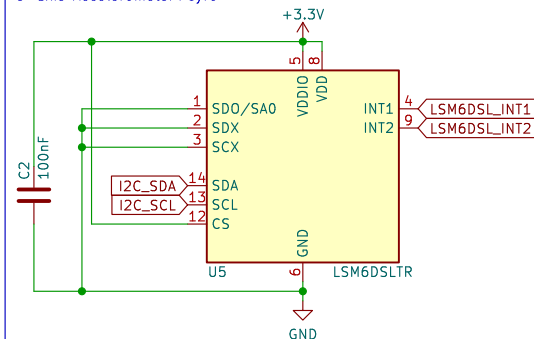
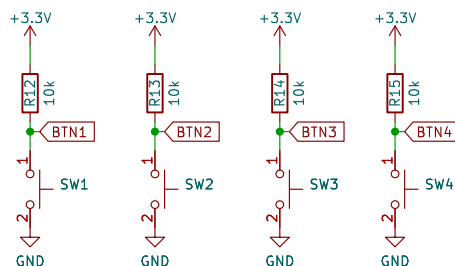
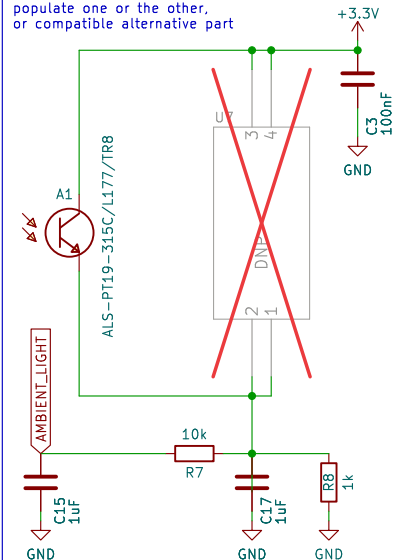
Rev: 1

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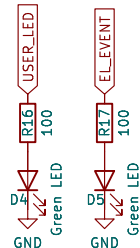
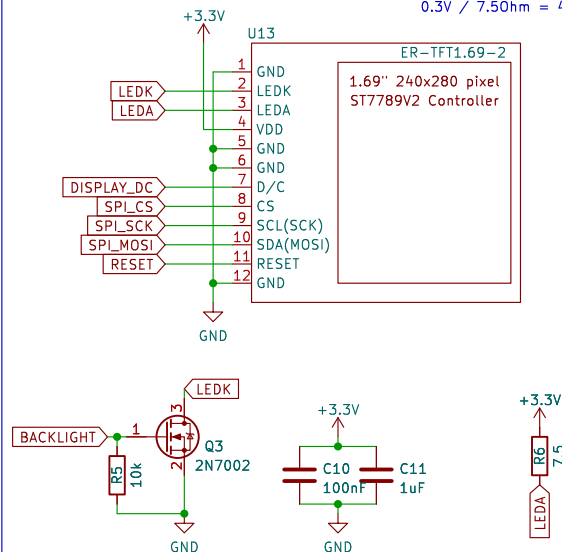
Id: 2/5



populate one or the other,  
or compatible alternative part



Backlight current limiting  
max: 2.8–3.2V with 60mA  
typical: 3.0V & 50mA  
 $0.3V / 7.50\Omega = 40mA$



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## Amazon Web Services

Sheet: /Peripherals/

File: peripherals.kicad\_sch

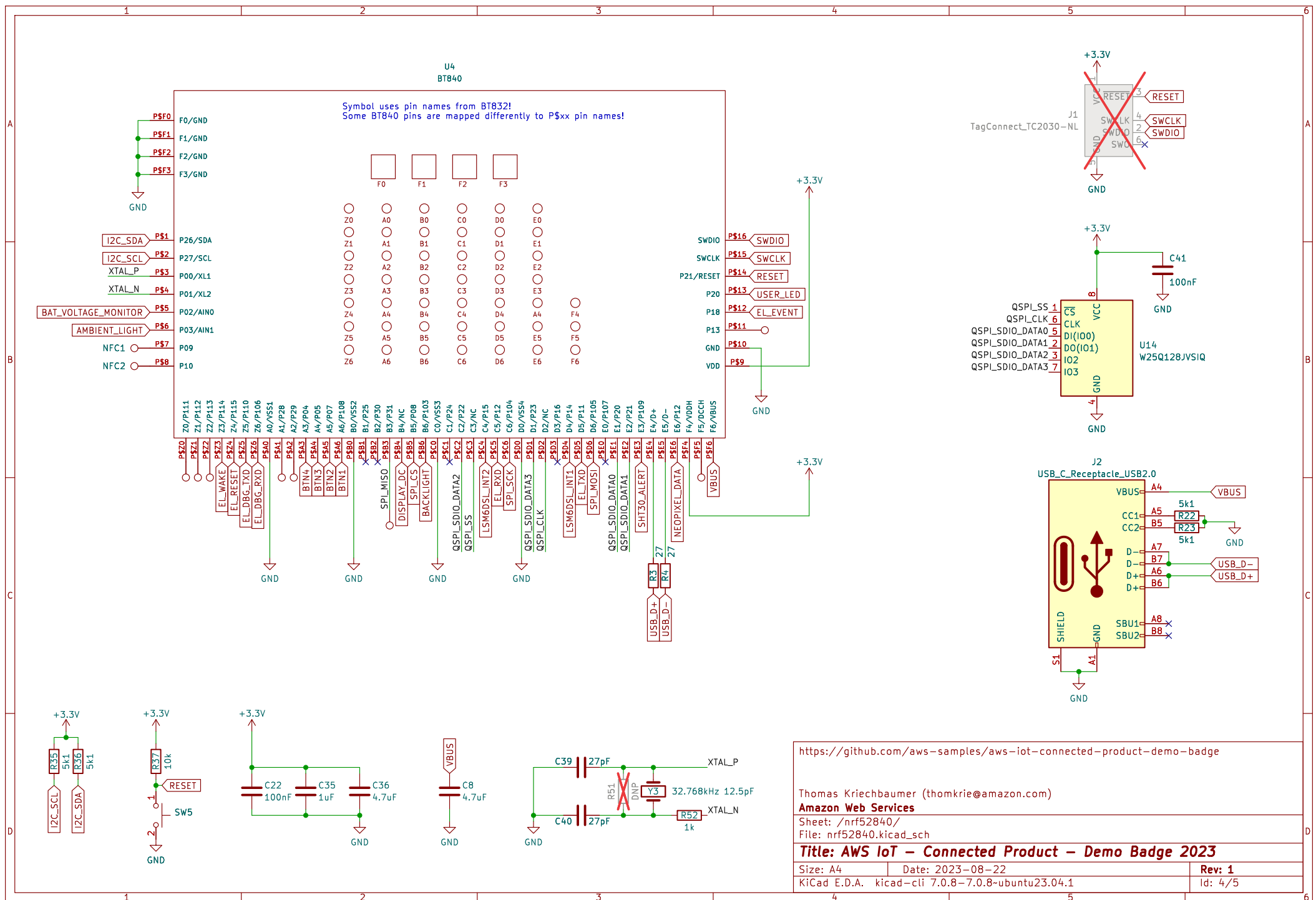
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Size: A4	Date: 2023-08-22
KiCad E.D.A.	kiCad-cli 7.0.8-7.0.8~ubuntu23.04.1

Rev: 1

Id: 3/5



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## Amazon Web Services

Sheet: /nrf52840/

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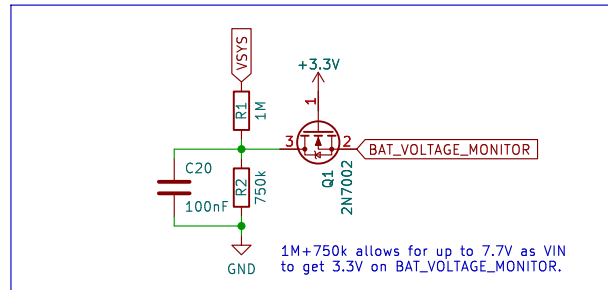
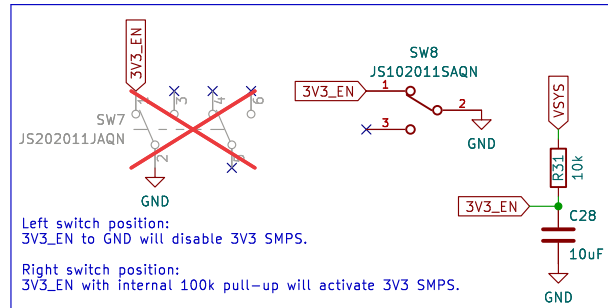
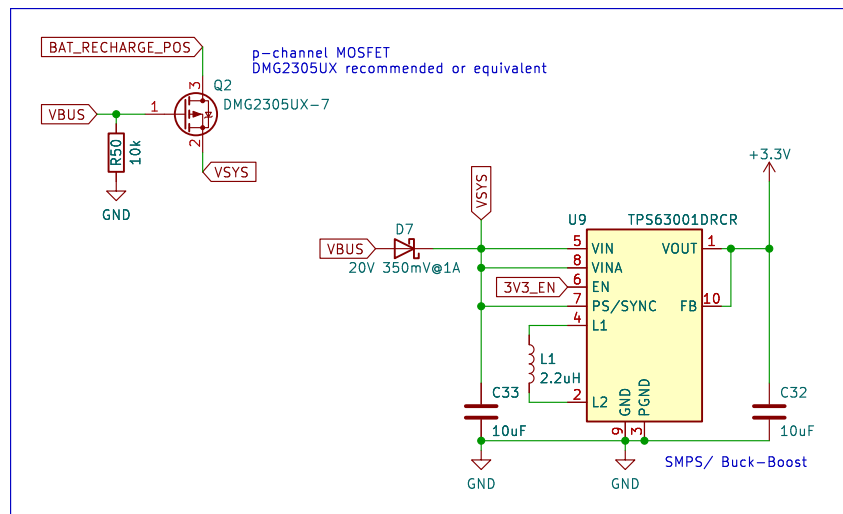
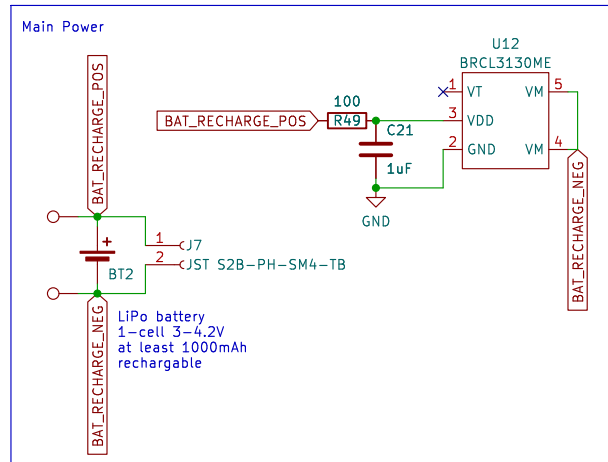
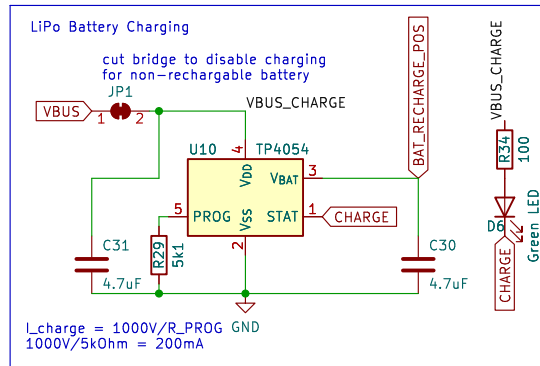
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Rev: 1

Id: 4/5



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Amazon Web Services

Sheet: /Power/

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