# Thunderboard EFR32BG22
EFR32BG22C224F512IM40

## Board Function

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## Revision History

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<tr>
<td>A00</td>
<td>Initial version.</td>
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<tr>
<td>A01</td>
<td>Changed U1 part number, updated RF matching network and removed NM components.</td>
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Sensor Power/Isolation

There are no pull-down resistors on the enable pins, and software should therefore immediately drive the lines to prevent the pins from floating.

PDM Microphones

UV/Ambient Light Sensor

Hall-effect Sensor

RH/Temp Sensor

Push Buttons & LEDs

Breakout Pads - EXP Header

All signals routed to the EXP header are used on the board as well. Take care to avoid signal conflicts (see page 2 for signal assignments).

Mini Simplicity Connector

Schematic Title

Thunderboard EFR32BG22

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Friday, August 02, 2019

Sheet Created Date:
Friday, November 22, 2019

Sheet Modified Date:
Friday, November 22, 2019

Page Title

Sensors and Peripherals

Document number: A01

Sheet 3 of 5
Q901 switches from battery power to USB when USB is plugged in. Additionally, the Mini Simplicity connector can supply power directly to the target voltage domain if the USB line and battery is removed.