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Thunderboard EFR32BG22

EFR32BG22C224F512IM40

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SILICON LABS

PCB1
PCB4184A

Revision History

Rev.	Description
A00	Initial version.
A01	Changed U1 part number, updated RF matching network and removed NM components.

Schematic Title

Thunderboard EFR32BG22

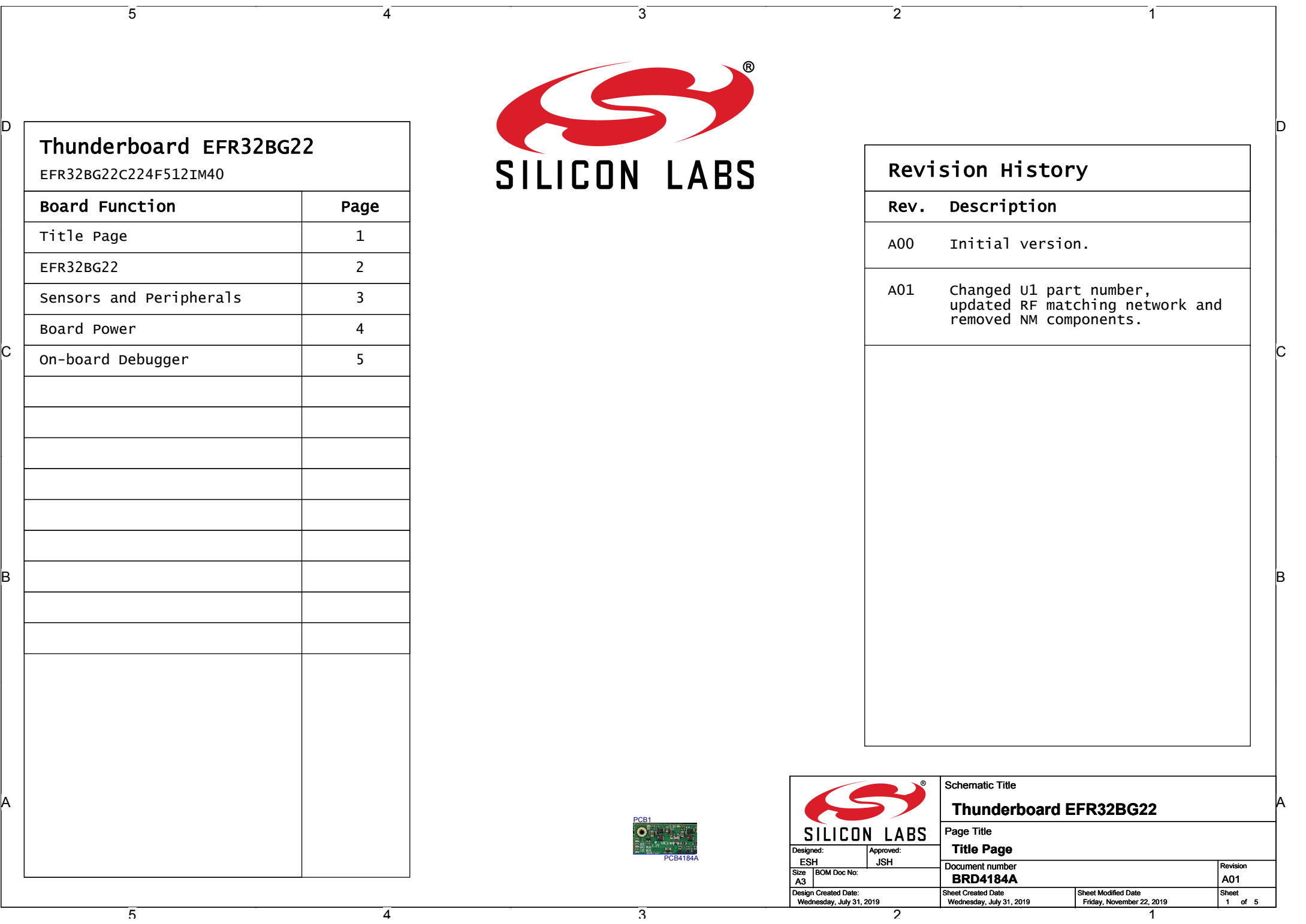
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Title Page

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ESH	JSH	BRD4184A	A01
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Thunderboard EFR32BG22

EFR32BG22C224F512IM40

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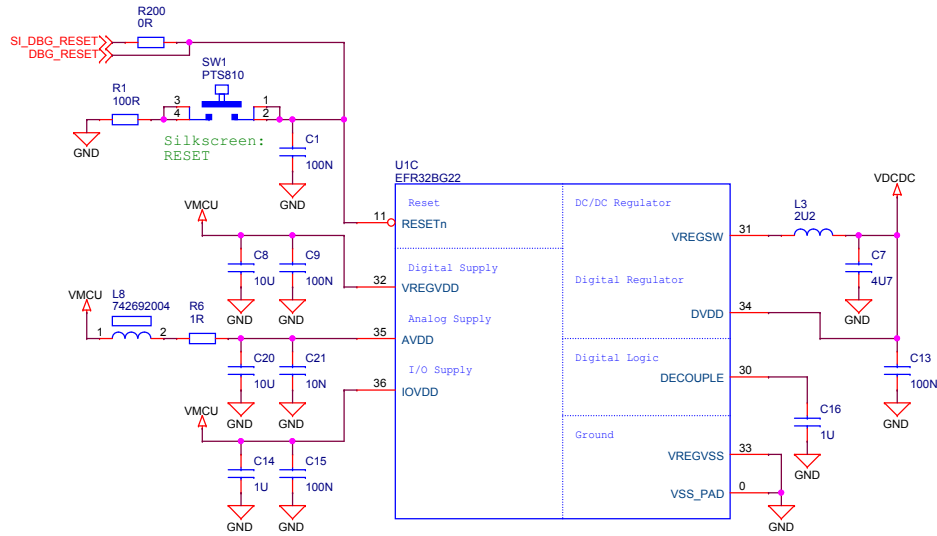
Title Page

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BRD4184A	A01

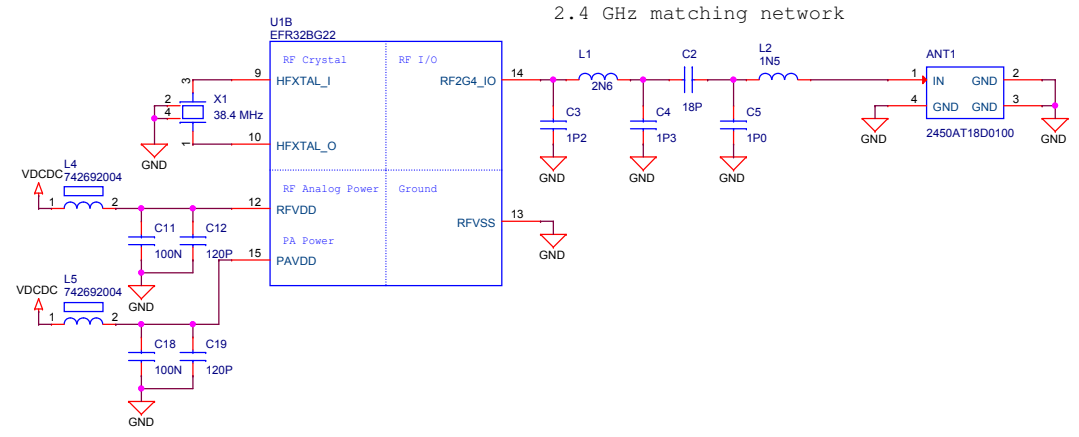
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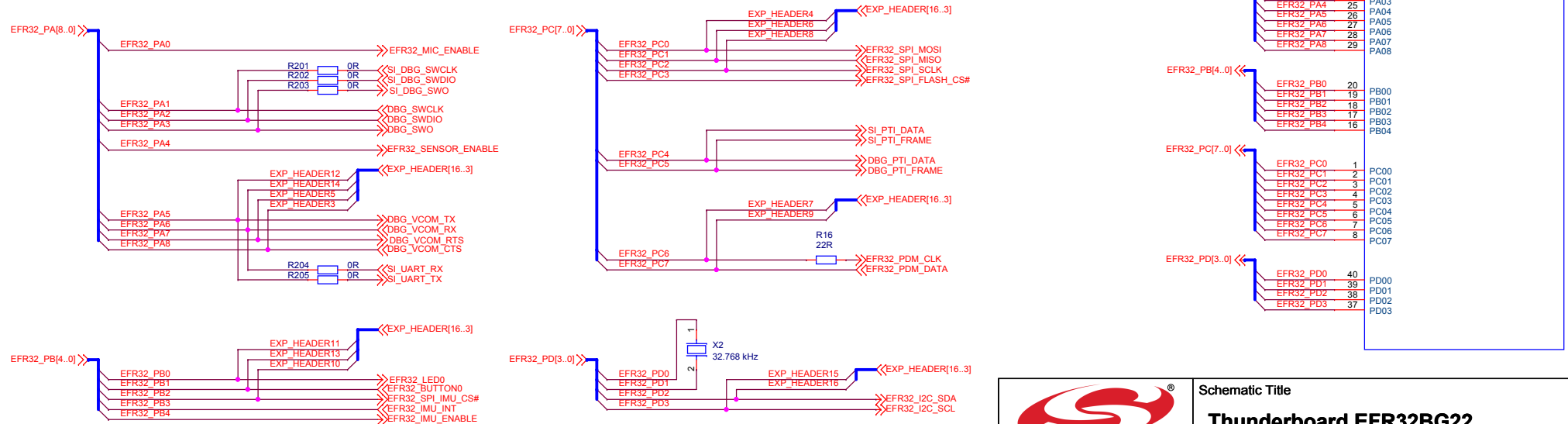
EFR32BG22 Power Section



EFR32BG22 RF Section

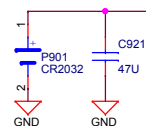


EFR32BG22 IOs & Signal Assignments

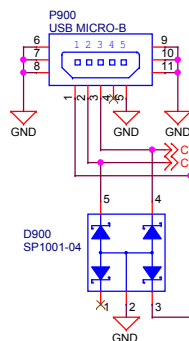


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CR2032 Coin Cell Holder

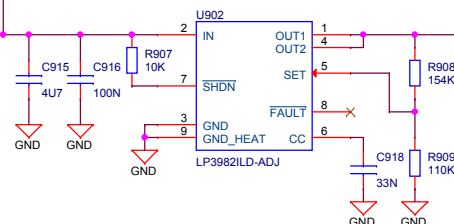


Debug USB Connection



EXP Header (5V)


3.0 V Regulator



Mini Simplicity
Connector (VMCU)

Target Voltage Domain

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.

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