EFP0108 Evaluation Board

Single-Cell Boost Configuration

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Revision History

Rev.	Description
A00	Initial version.
A01	Updated EFP01 chip revision and changed part number on L200 and L201.

PCB1

PCB8100A

<Schematic Path>
SCHEMATIC1

Designed: ESH	Approved: JSH	Schematic Title: EFP0108 Evaluation Board	
Size: A3	BOM Doc No: <Cage Code>	Page Title: Title Page	
Design Created Date: Monday, February 04, 2019		Document number: BRD8100A	Revision: A01
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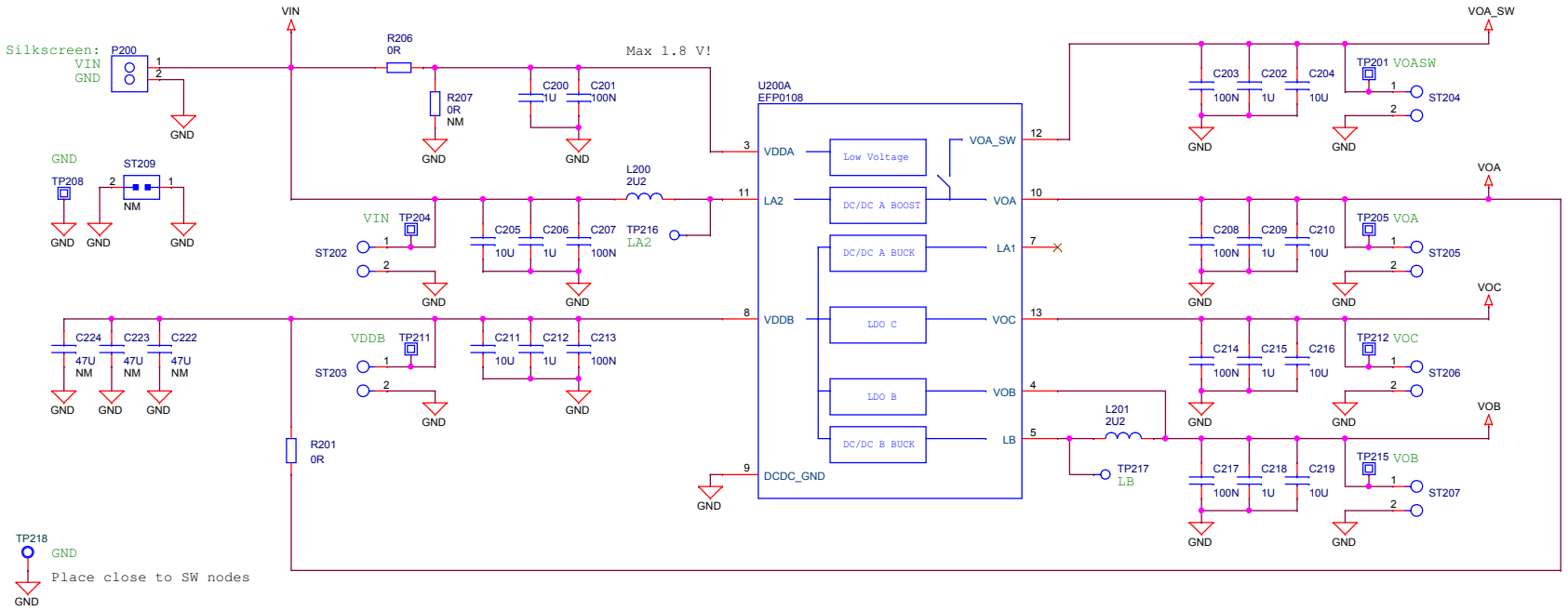
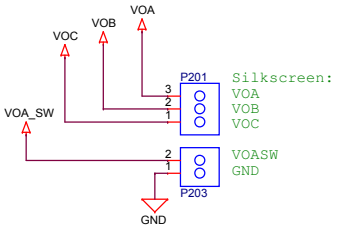
Power Input

EFP01

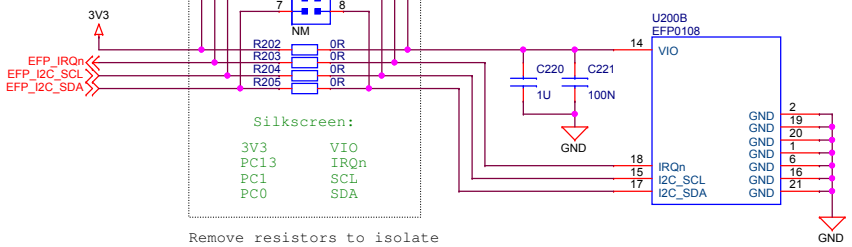
Power Output





EFP01 Digital Section

Host MCU Connection

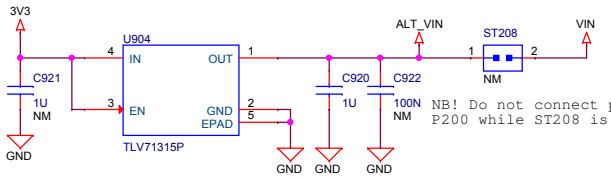


Remove resistors to isolate the EFP from the host MCU.

NB! Ground is not isolated

On-board LDO (from USB)

This rail is only intended for low power applications, and in the absence of a power source on P200.



BRD8100A: 1.5 V LDO
BRD8100B: 3.0 V LDO

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SILICON LABS

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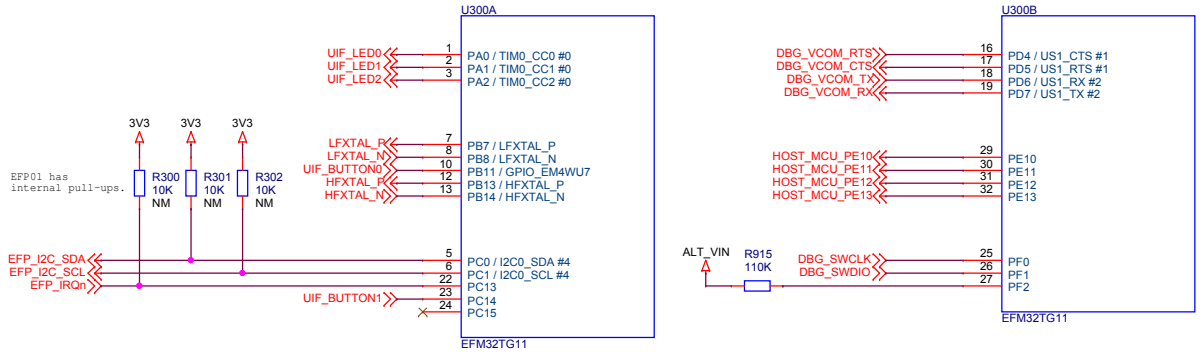
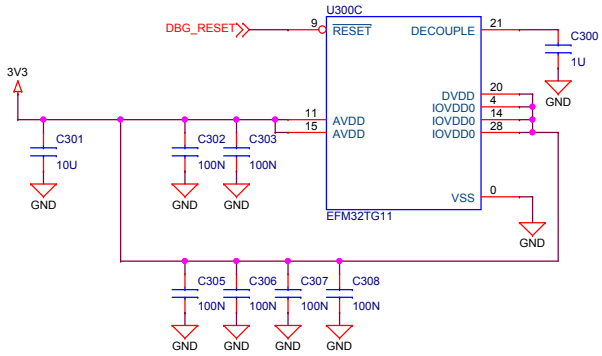
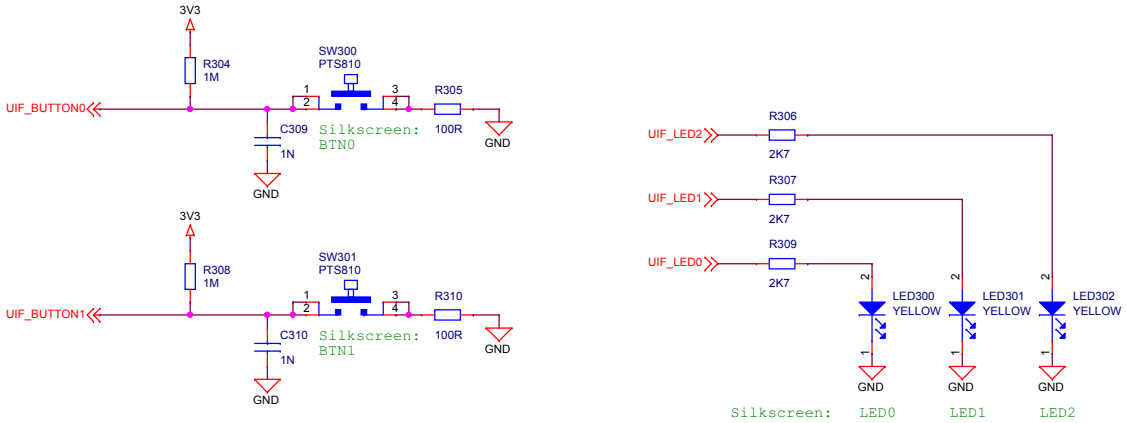
Host MCU I/O



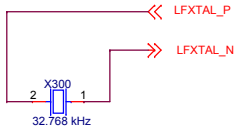
Host MCU Power



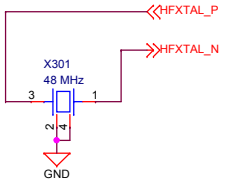
Buttons & LEDs



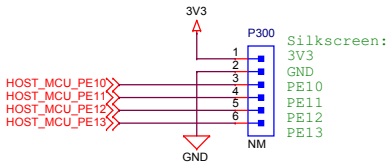
Low Frequency Clock



High Frequency Clock



Breakout Pads



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SCHEMATIC1

SILICON LABS

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Schematic Title: **EFP0108 Evaluation Board**

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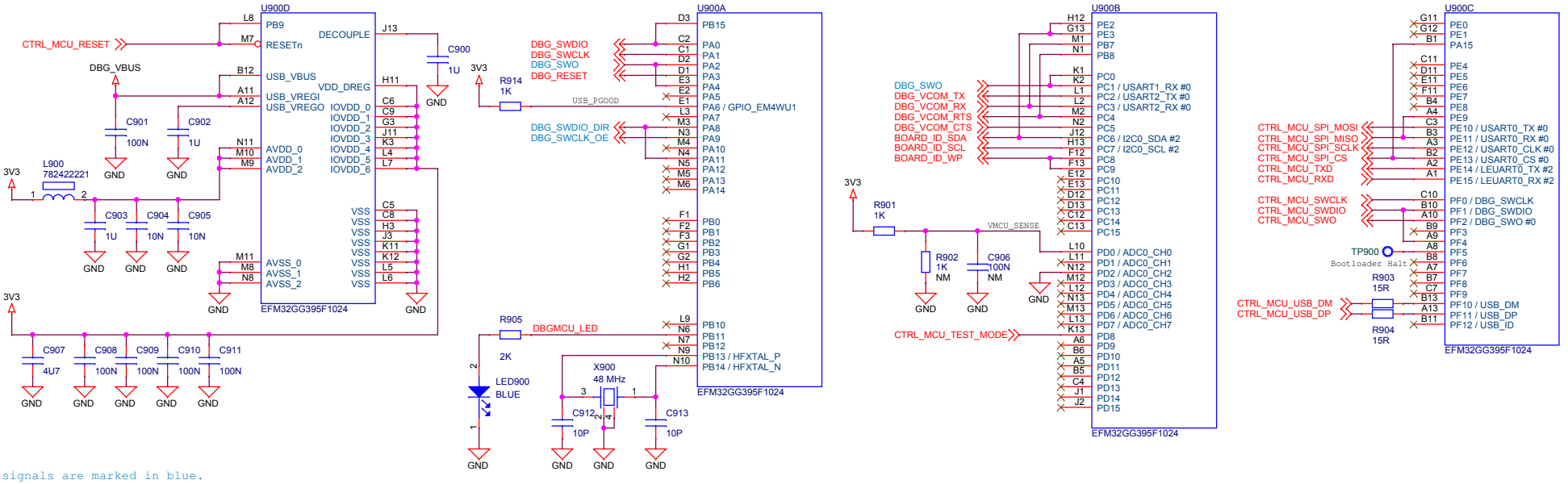
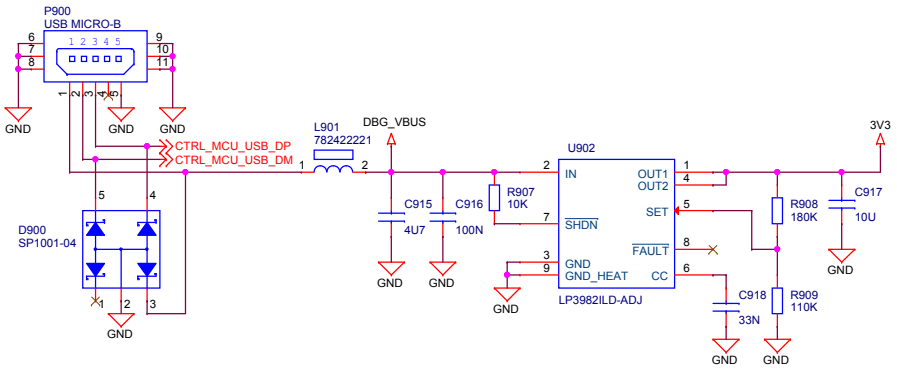
On-board Debugger



Unused signals are marked in blue.

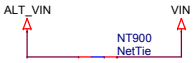
Debug USB Connection



3.3 V Regulator

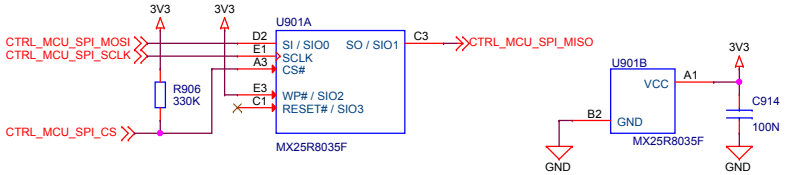
The Host MCU resides on the same power domain as the on-board debugger.

Misc.

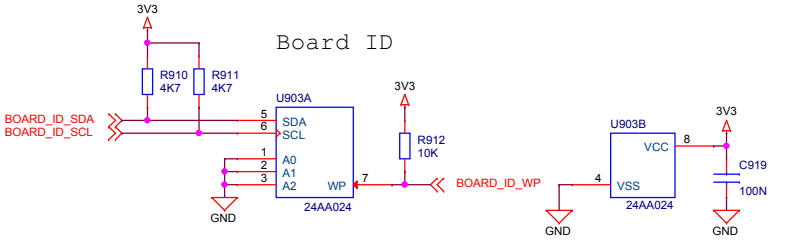


Place NT900 in panel.

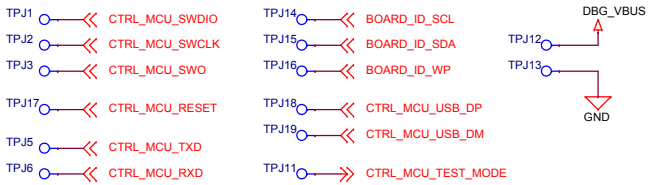
Serial Flash



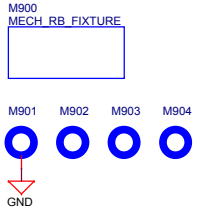
Board ID



Test Points



Mech



SILICON LABS

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