



EFM32 Zero Gecko STK	
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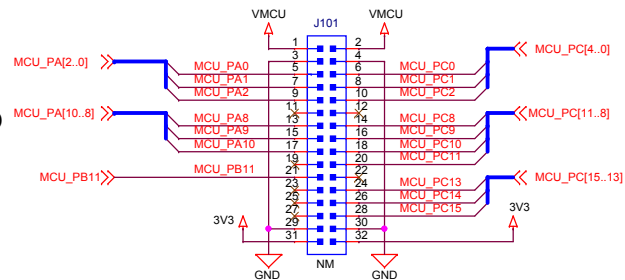


Revision History	
Rev.	Description
B00	Initial release for series production.
C01	Updated EFM32ZG chip revision + major updates to debugger

EFM32 ZG STK

		Schematic Title	
SILICON LABS		EFM32ZG Zero Gecko STK	
Designed: HEL		Page Title	
Approved: JNO		Title Page	
Size: A3	BOM Doc No: <Cage Code>	Document number	Revision
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	Sheet Created Date: Saturday, March 21, 2009	Sheet Modified Date: Tuesday, June 25, 2019	Sheet 1 of 10

Breakout Connections

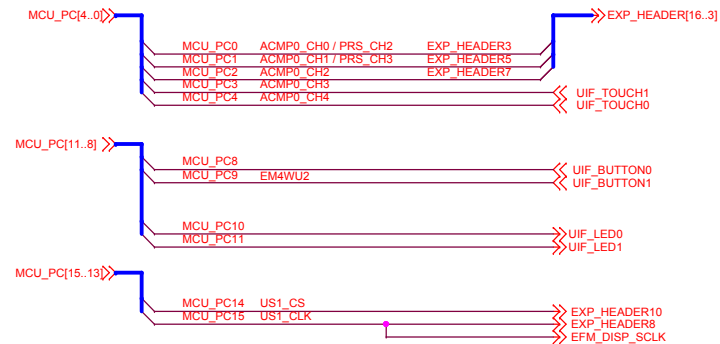


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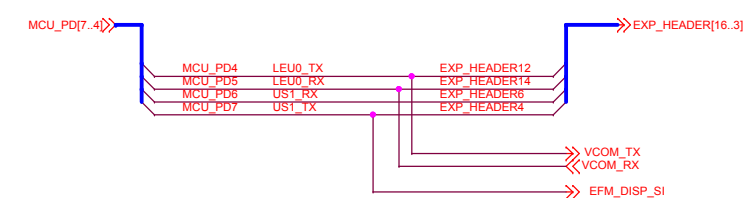
VMCU	VMCU
GND	GND
A0	C0
A1	C1
A2	C2
NC	NC
A8	C8
A9	C9
A10	C10
NC	C11
B11	NC
NC	C13
NC	C14
NC	C15
GND	GND
3V3	3V3

5V	5V
GND	GND
F0	D4
F1	D5
F2	D6
F3	D7
F4	NC
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NC	NC
NC	NC
NC	NC
GND	GND
3V3	3V3

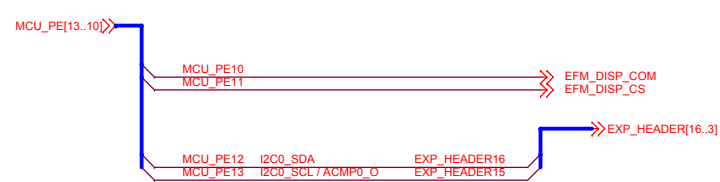
PC Connections



PD Connections



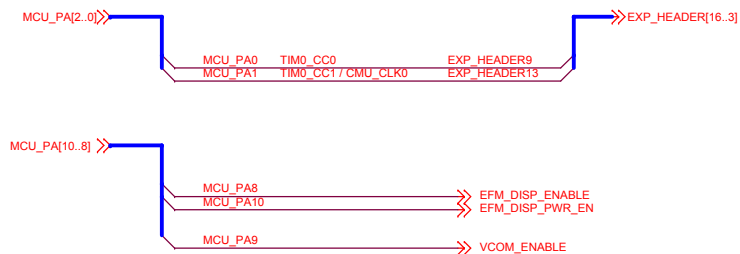
PE Connections



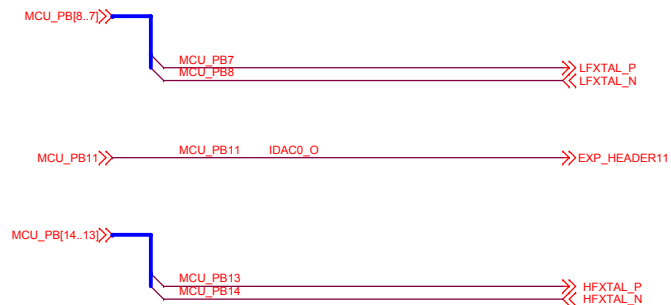
PF Connections



PA Connections

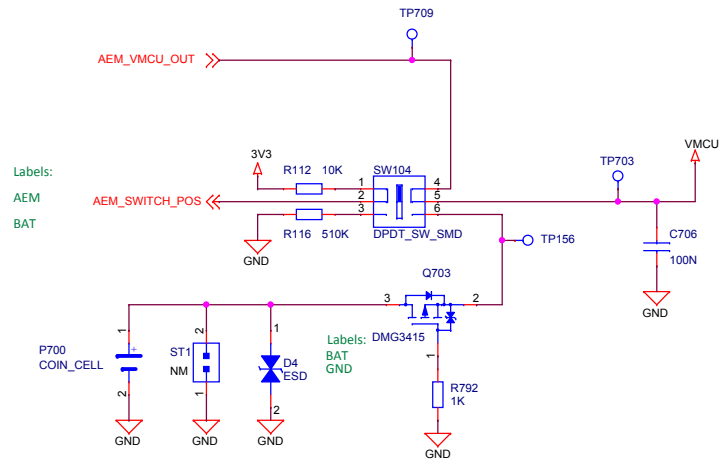


PB Connections



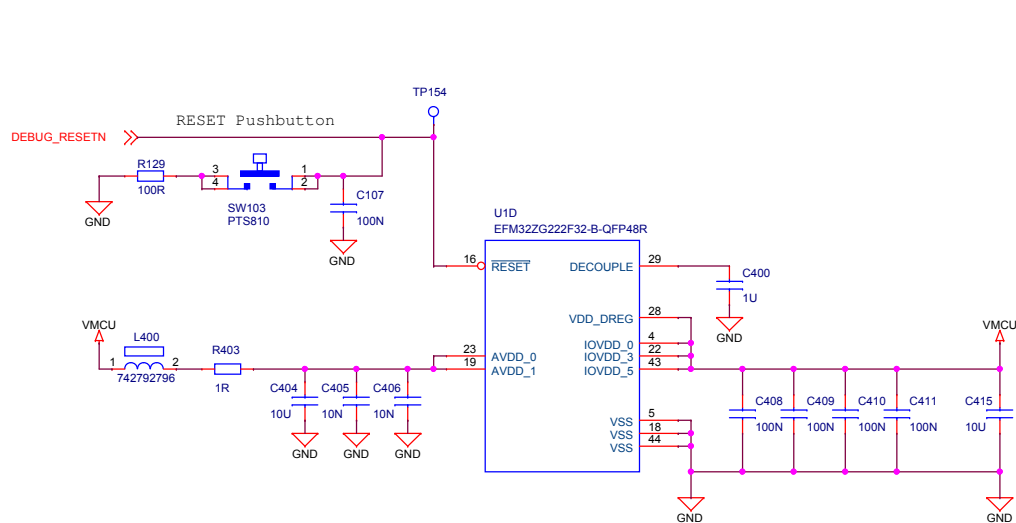
 SILICON LABS		Schematic Title EFM32ZG Zero Gecko STK	
		Page Title EFM32 Signal Assignments	
Designed: HEL	Approved: JNO	Document number BRD2010A	Revision C01
Size A3	BOM Doc No: <Cage Code>	Sheet Created Date Friday, October 31, 2014	Sheet Modified Date Tuesday, June 25, 2019
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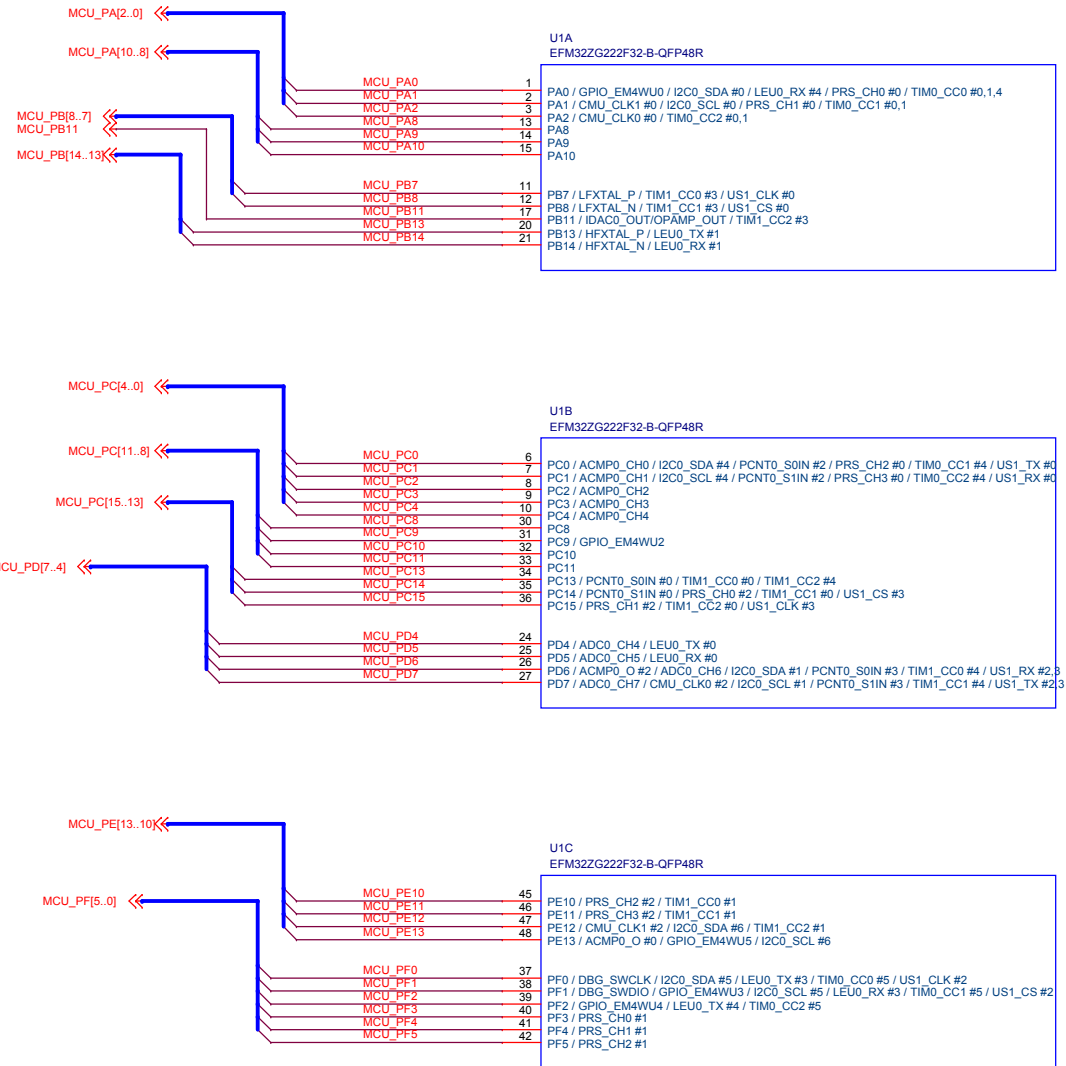
Power Select Switch: AEM/BAT



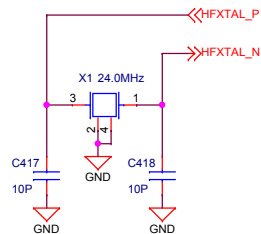
SWITCH POS	MODE DESCRIPTION
AEM	AEM Enabled, VMCU sourced from external 3.3v LDO powered by BC USB 5V supply
BAT	AEM Disabled, VMCU sourced from coin-cell battery or external power supply

EFM32 Power and Decoupling

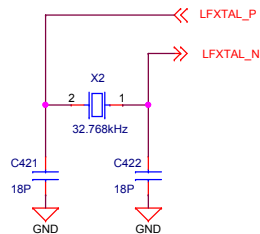




High Frequency Clock



Low Frequency Clock



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Schematic Title

EFM32ZG Zero Gecko STK

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EFM32 I/O

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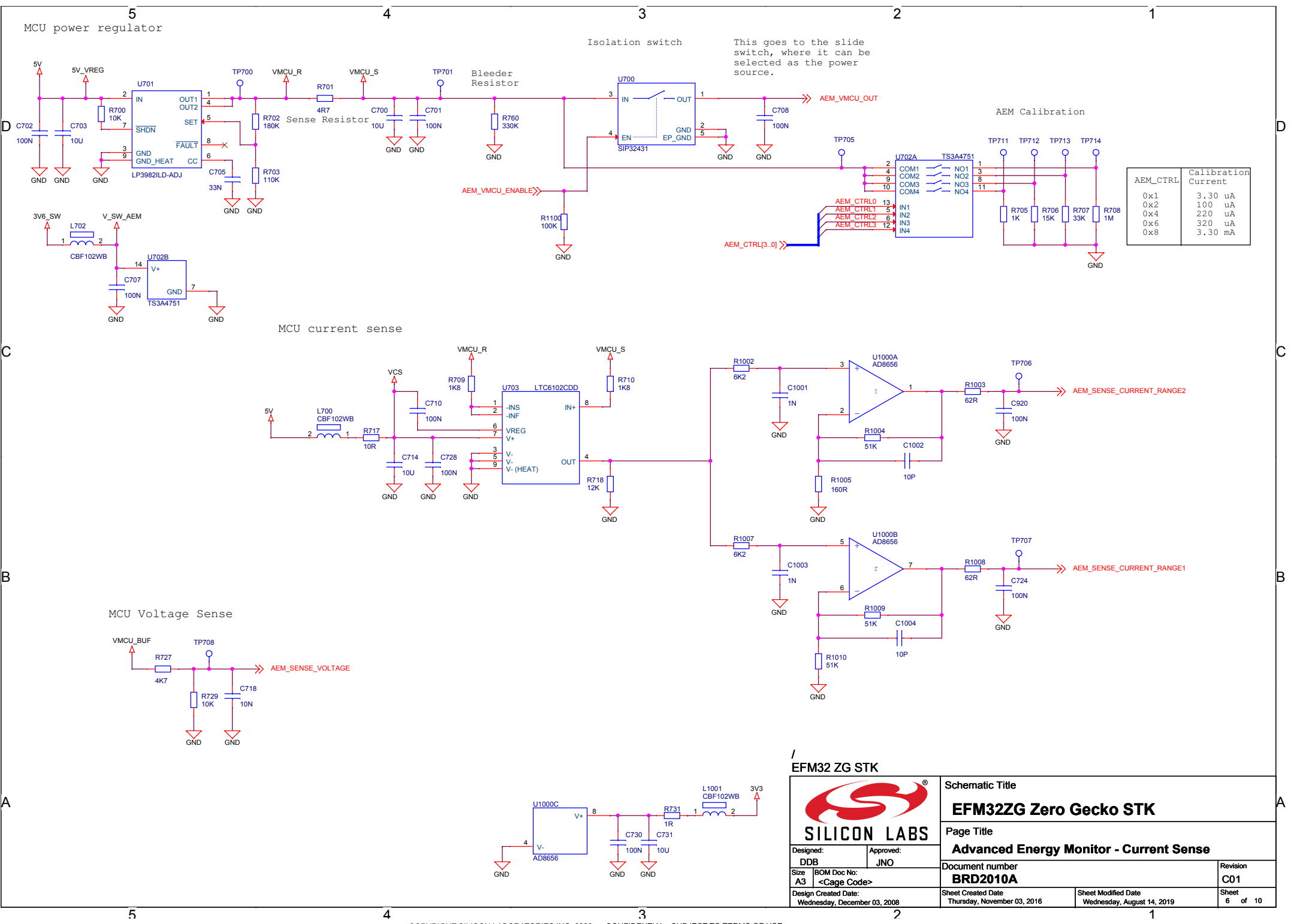
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Schematic Title

EFM32ZG Zero Gecko STK

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Advanced Energy Monitor - Current Sense

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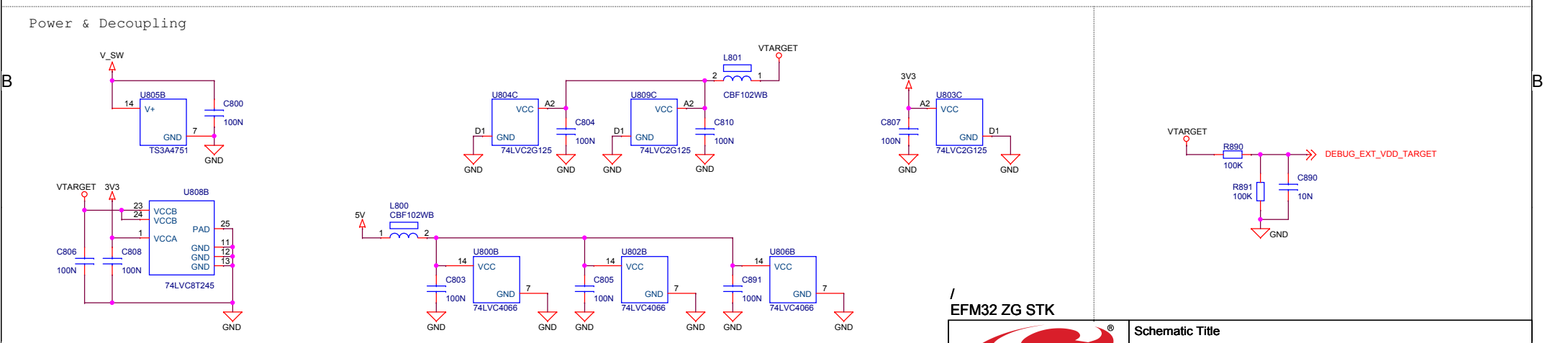
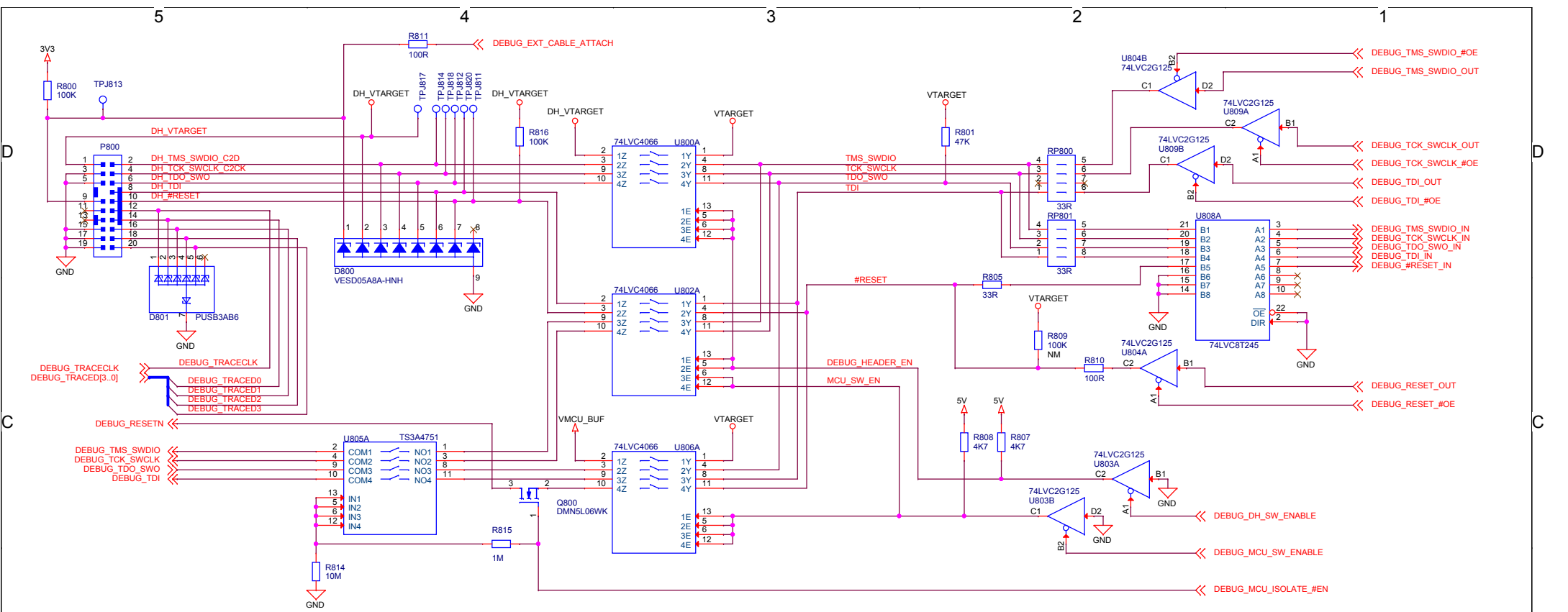
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Mode	DEBUG_MCU_SW_ENABLE	DEBUG_DH_SW_ENABLE	DEBUG_BUF_#OE	ISOLATE_#EN	DH_VTARGET	VTARGET
Debug Out	0	1	0	0	External voltage	External voltage
MCU Debug	1	0	0	1	Disconnected	VMCU
Debug In	1	1	1	1	VMCU	VMCU
Debug Off	1	1	1	0	-	-



EFM32 ZG STK

Schematic Title
EFM32ZG Zero Gecko STK

Page Title
Debug Interface

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B



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