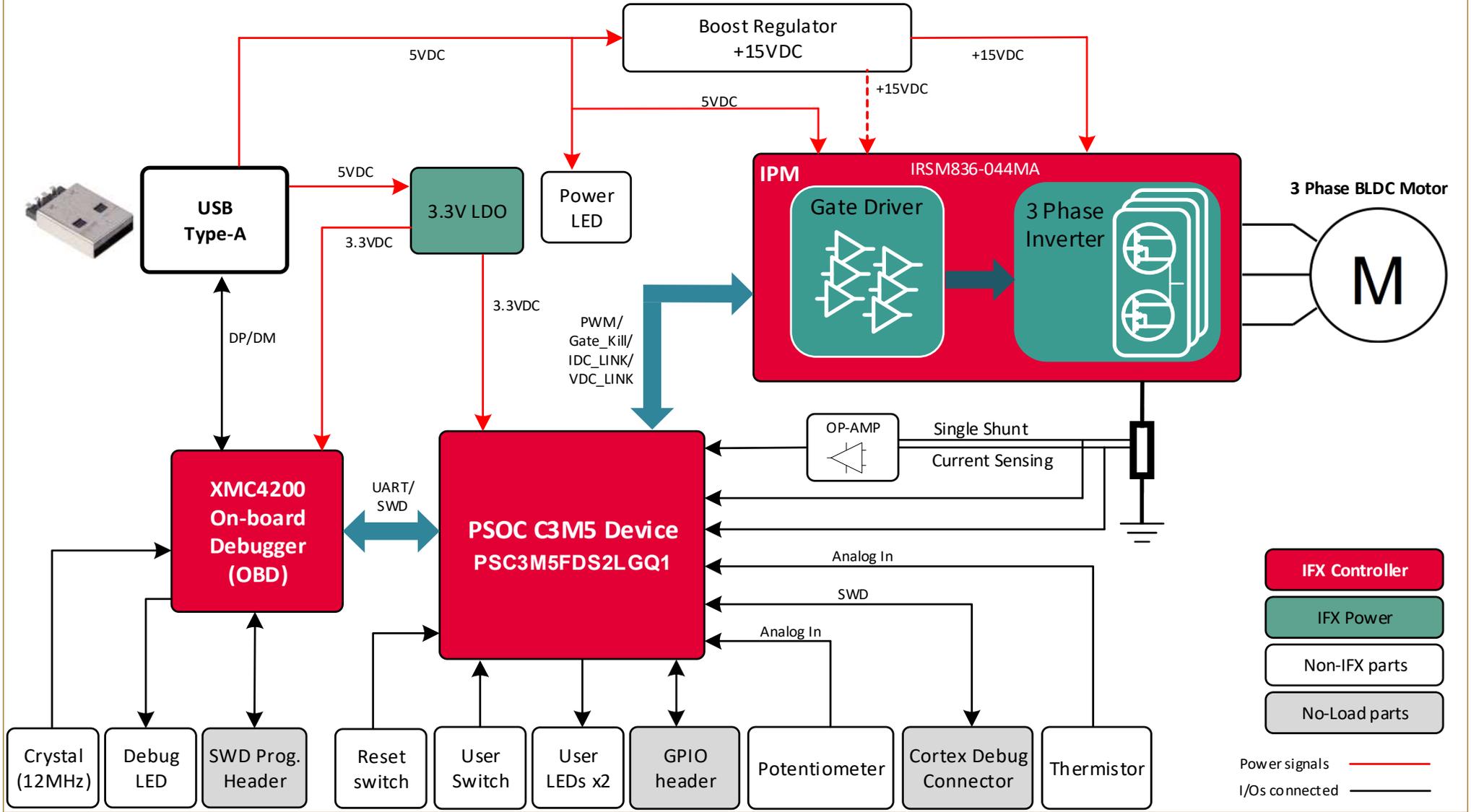


Functional Block Diagram of KIT_PSC3M5_2GO

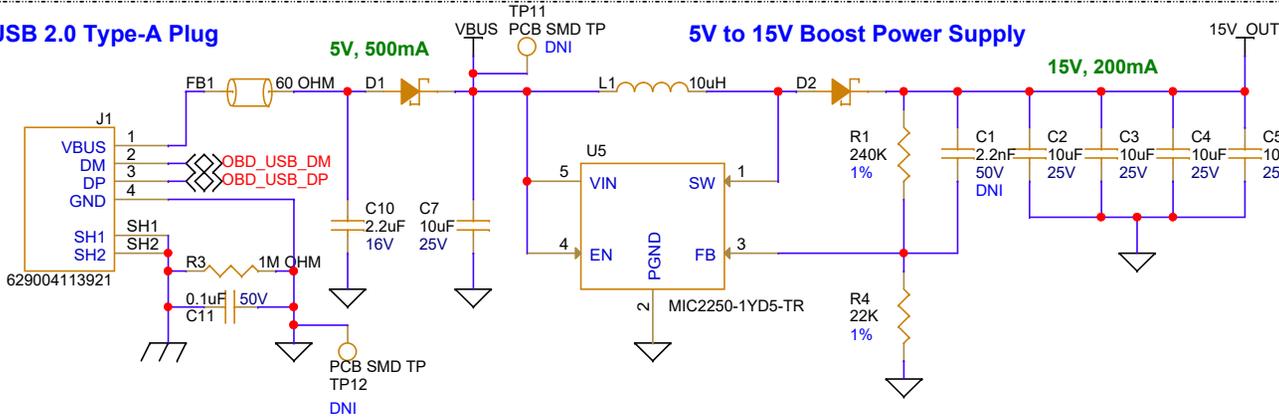


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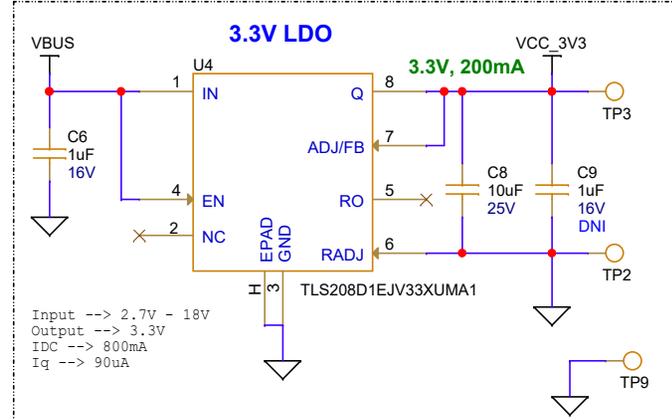


SCH Title : KIT_PSC3M5_2GO				
Page Title: Functional Block Diagram				
Size A4	Document Number 630-60706-01	Drawn By SAMANTH	Approved By RONAK	Rev 02
Date: Tuesday, January 07, 2025		Sheet 2 of 7		

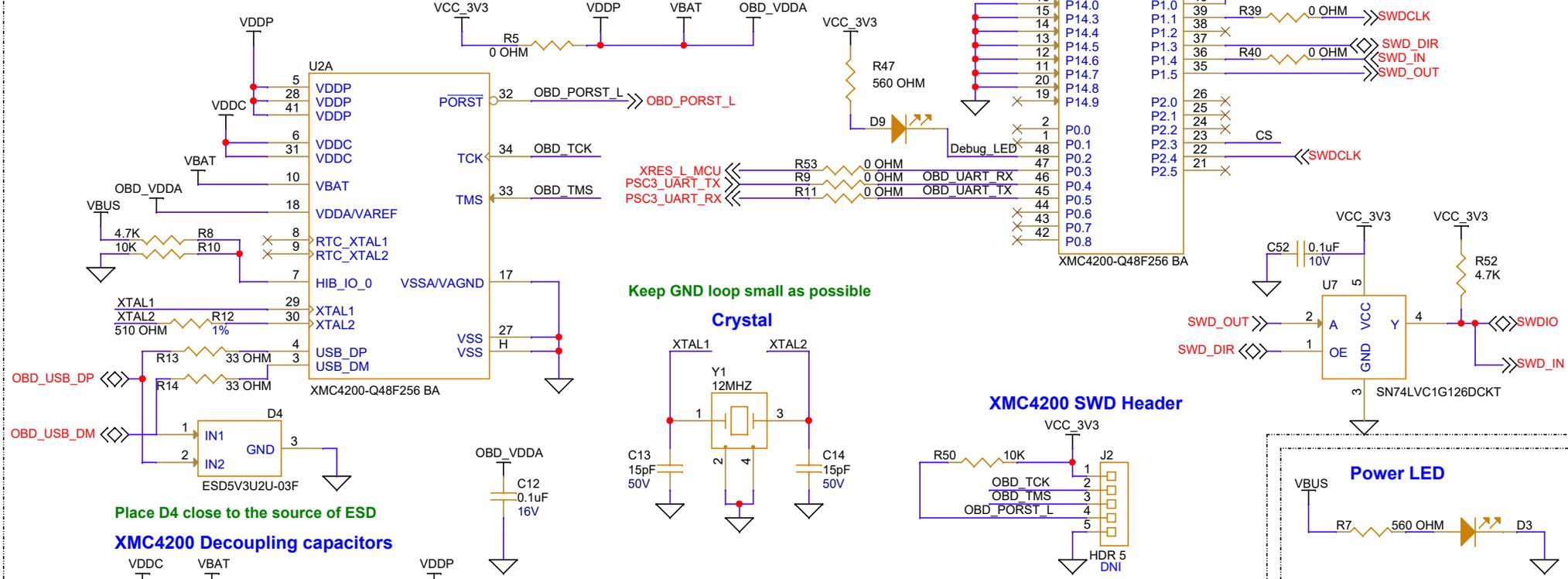
USB 2.0 Type-A Plug



3.3V LDO



XMC4200 Debugger: USB --> UART Bridge



Keep GND loop small as possible

Crystal

XMC4200 SWD Header

Power LED

Place D4 close to the source of ESD

XMC4200 Decoupling capacitors

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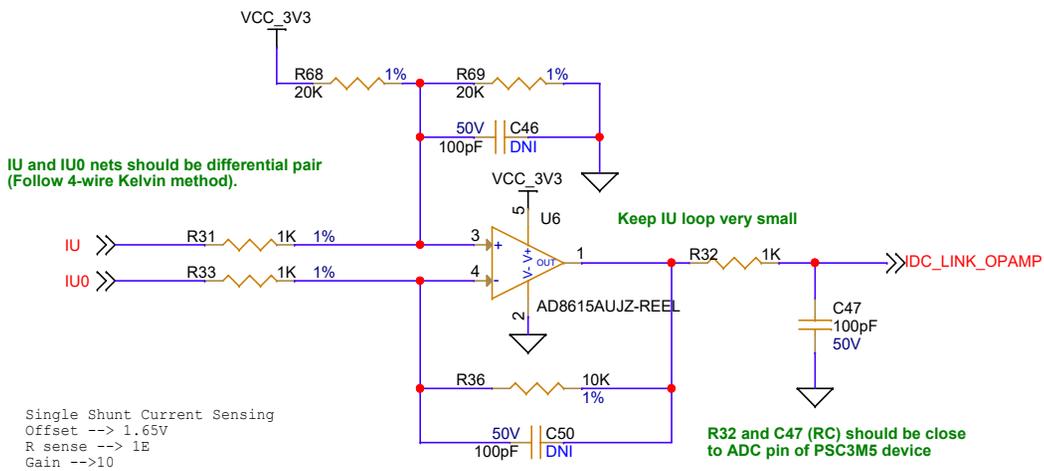


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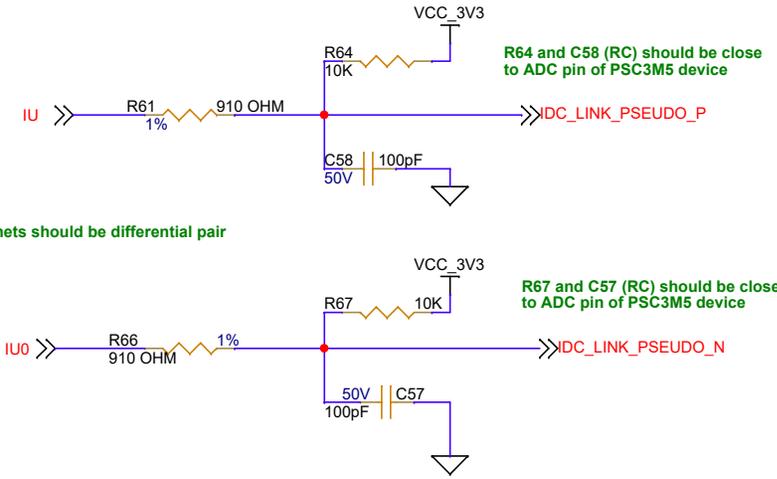
Page Title: Power Supply and XMC4200 Bridge

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60706-01	SAMANTH	RONAK	02
Date:	Wednesday, September 11, 2024		Sheet	3 of 7

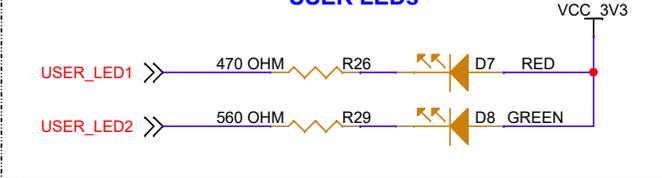
IDC LINK - Single Shunt Current Sense



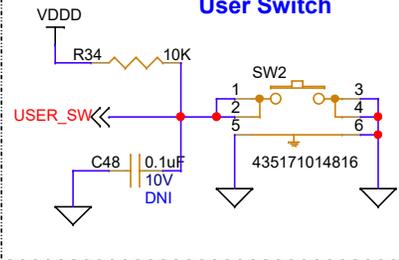
IU and IU0 nets should be differential pair



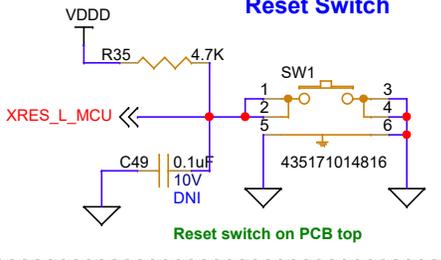
USER LEDs



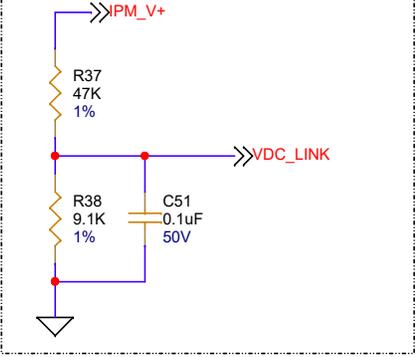
User Switch



Reset Switch



VDC LINK - Phase voltage Sense



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SCH Title : KIT_PSC3M5_2GO				
Page Title: Current Sense, Switches and LEDs				
Size	Document Number	Drawn By	Approved By	Rev
A4	630-60706-01	SAMANTH	RONAK	02
Date:	Wednesday, September 11, 2024		Sheet	5 of 7

Accessories

PCBA Labels

ACC16



PCA Label

ACC17



LBL QR Code

ACC22



Segger Logo

Screw Driver

ACC18



Screwdriver

Screws for Motor Assembly

ACC19



Screw

ACC20



Screw

ACC21



Screw

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SCH Title : KIT_PSC3M5_2GO

Page Title: Accessories

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60706-01	SAMANTH	RONAK	02
Date: Wednesday, September 11, 2024		Sheet 6 of 7		

REVISION HISTORY

REV	DESCRIPTION OF CHANGE	ORIG. OF CHANGE	DATE
01	Initial Internal Revision	SAMANTH	03/07/2024
02	Initial release	SAMANTH	10/09/2024

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SCH Title : KIT_PSC3M5_2GO

Page Title: Revision History-1

Size	Document Number	Drawn By	Approved By	Rev
A4	630-60706-01	SAMANTH	RONAK	02
Date:	Tuesday, January 28, 2025		Sheet	7 of 7