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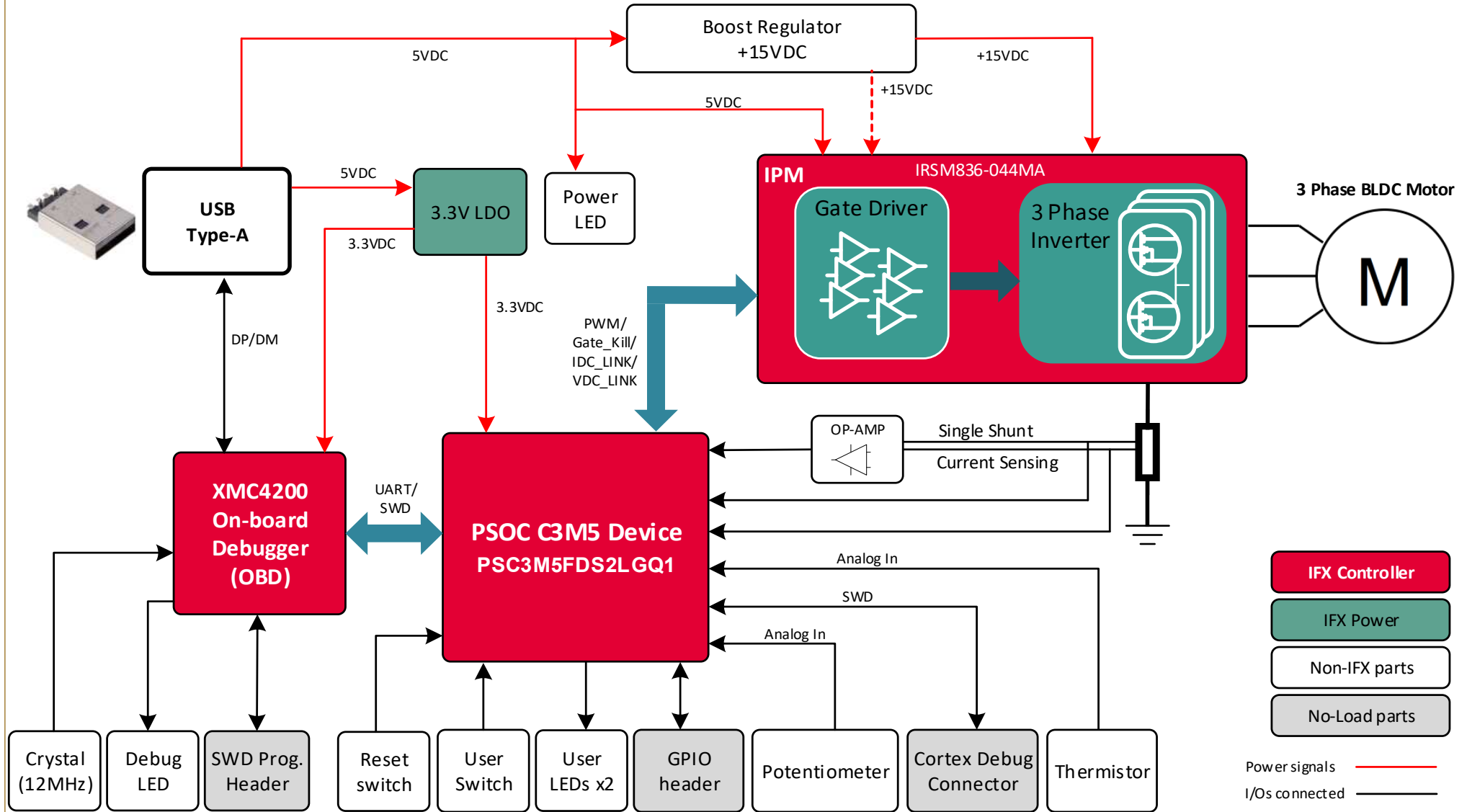
Drawing Numbers	
PCBA	121-60706-01
PCB	600-60706-01
FAB DRW	610-60706-01
ASSY DRW	620-60706-01
SCH DRW	630-60706-01

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SCH Title : KIT_PSC3M5_2GO				
Page Title: Title, Table of Contents and Drawing Numbers				
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Functional Block Diagram of KIT_PSC3M5_2GO



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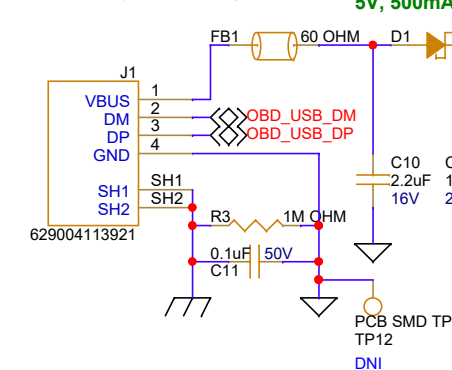


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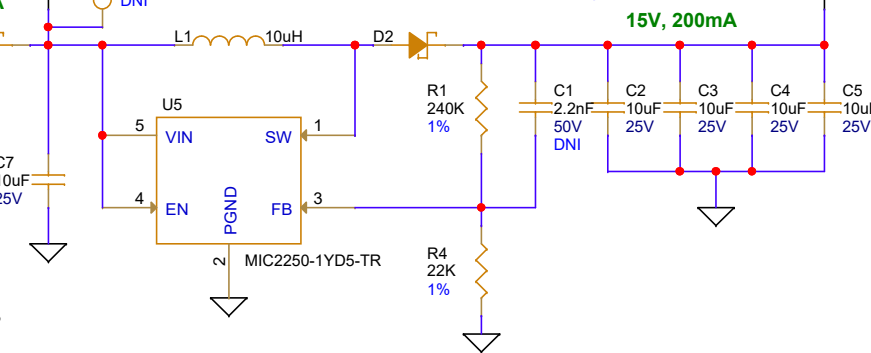
Page Title: Functional Block Diagram

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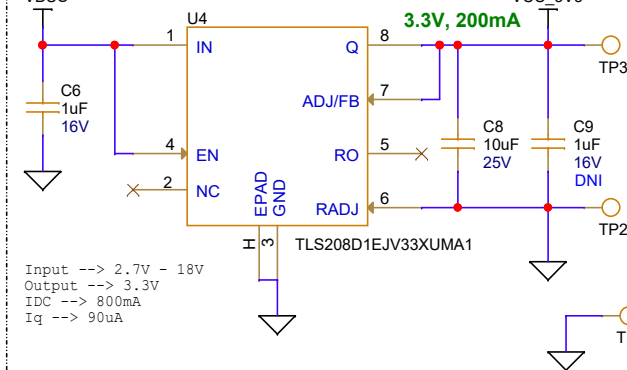
USB 2.0 Type-A Plug



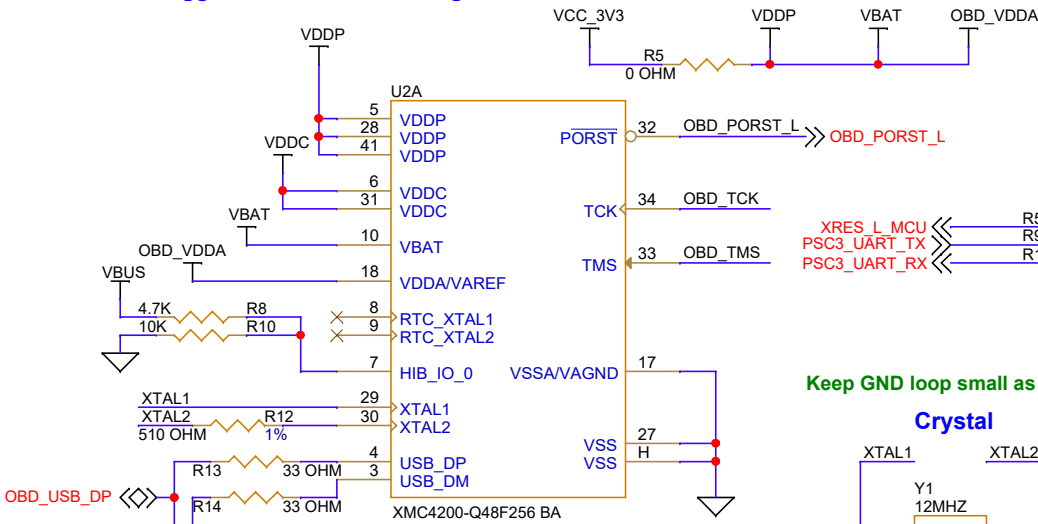
5V to 15V Boost Power Supply



3.3V LDO

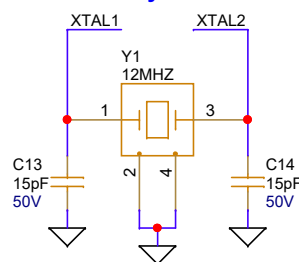


XMC4200 Debugger: USB --> UART Bridge

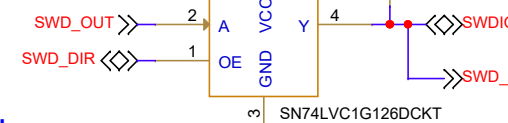
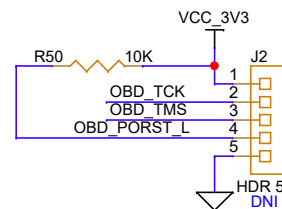


Keep GND loop small as possible

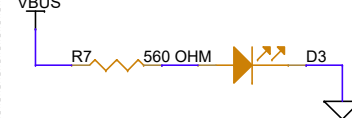
Crystal



XMC4200 SWD Header

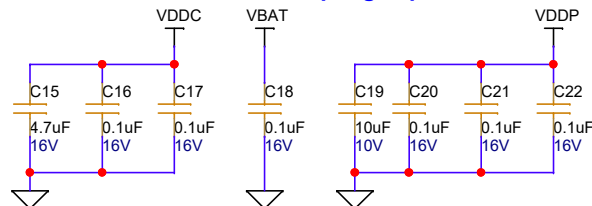


Power LED



Place D4 close to the source of ESD

XMC4200 Decoupling capacitors



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Page Title: Power Supply and XMC4200 Bridge

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VCC_3V3

R68 20K 1%

R69 20K 1%

50V 100pF C46 DNI

VCC_3V3

U6

Keep IU loop very small

AD8615AUJZ-REEL

R32 1K

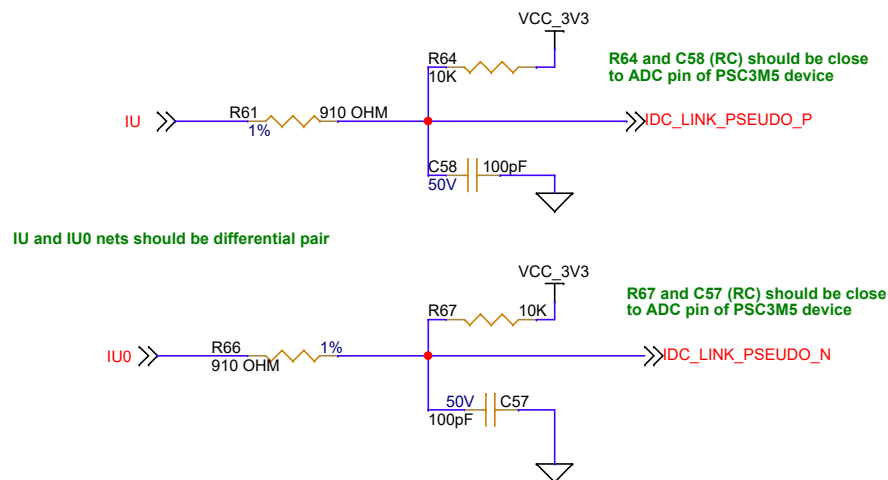
DC_LINK_OPAMP

C47 100pF 50V

R36 10K 1%

50V 100pF C50 DNI

R32 and C47 (RC) should be close to ADC pin of PSC3M5 device



USER_LED1 >> 470 OHM R26 D7 RED VCC_3V3

USER_LED2 >> 560 OHM R29 D8 GREEN

Reset switch on PCB top

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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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Page Title: Accessories

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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

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