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Revisions			
Rev	Description	Date	Approved
X1	Initial release	Mar 5, 2024	William Jiang
X2	BOM optimzation	Mar 6, 2024	William Jiang
A	SCH optimzation	Mar 12, 2024	William Jiang

FRDM-MCXC444

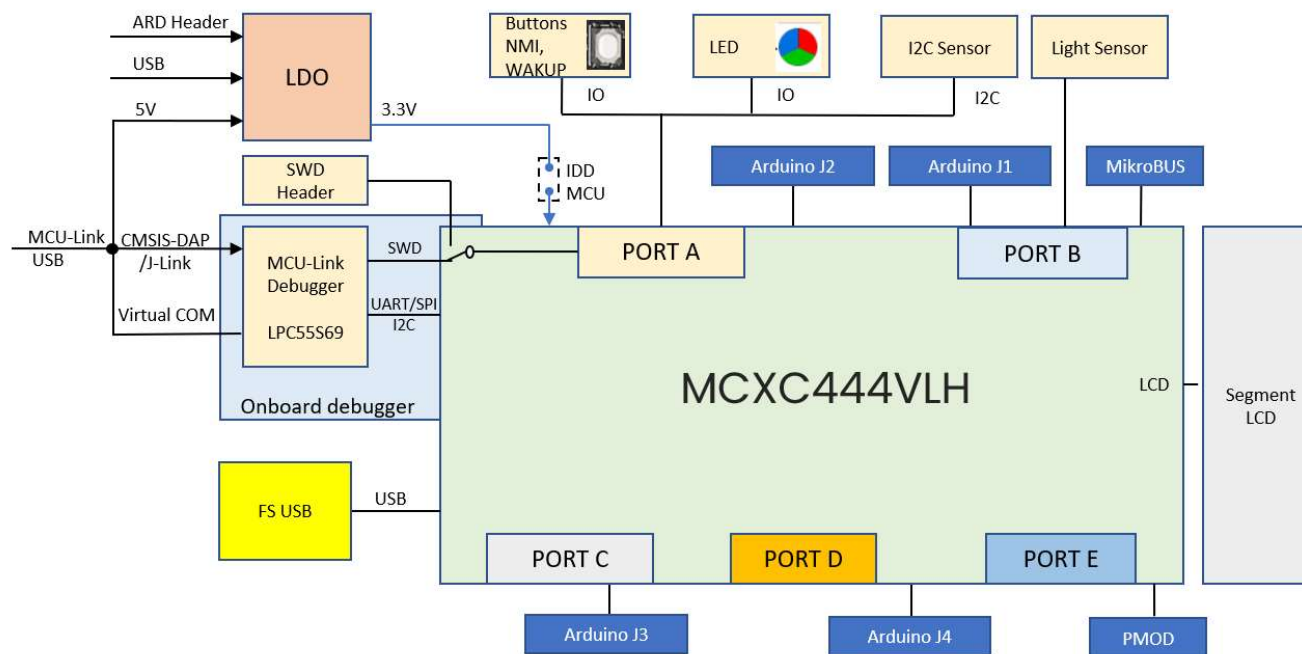


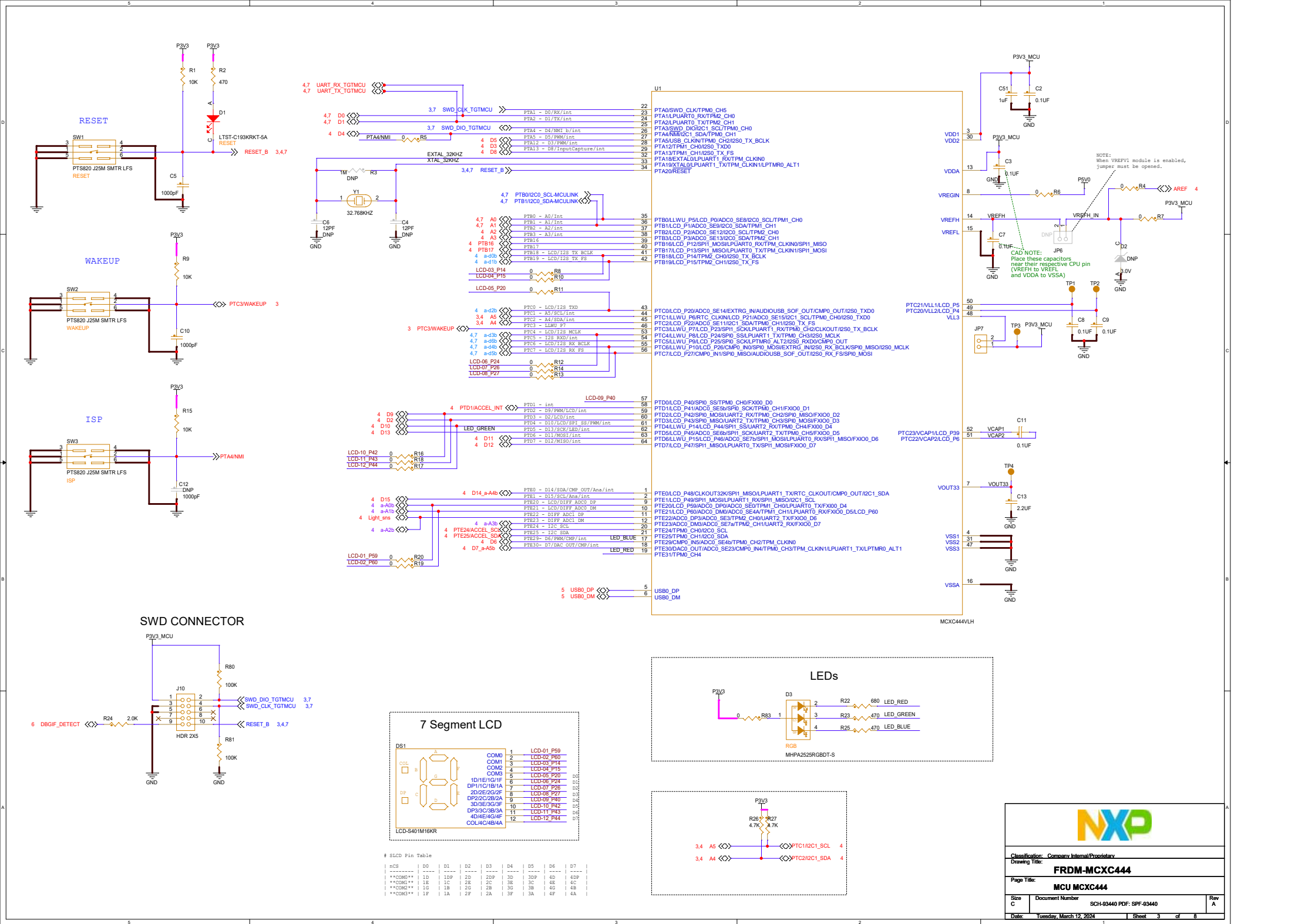
Microcontroller Product Group
6501 William Cannon Drive West
Austin, TX 78755-8500

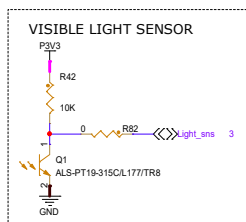
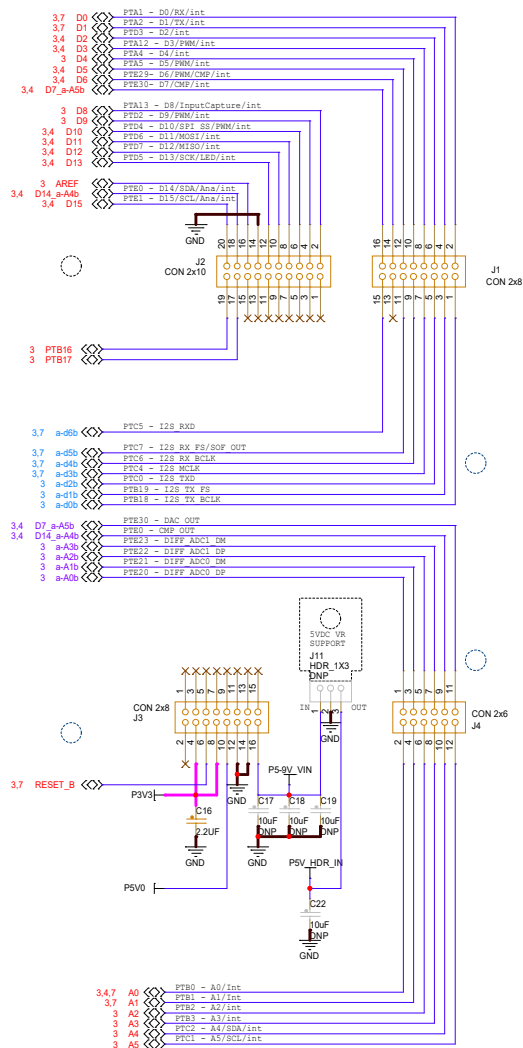
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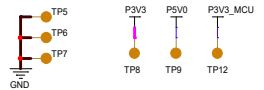
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Drawn by: Alex Yang	Page Title: TITLE PAGE		
Approved: William Jiang	Size C	Document Number SCH-93440 PDF: SPF-93440	Rev A
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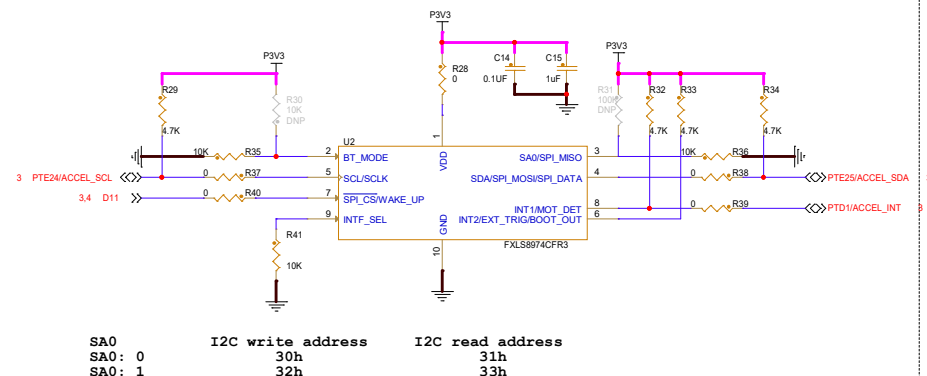
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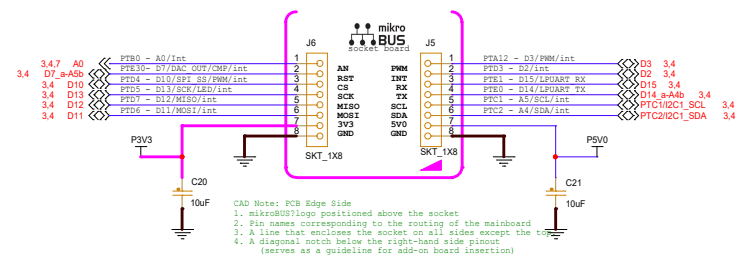
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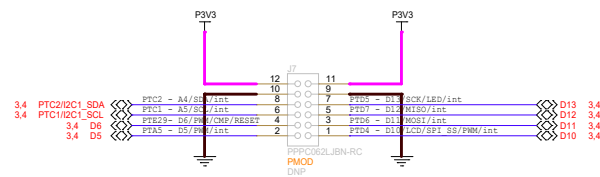
I2C Sensor



Mikro Bus



PMOD



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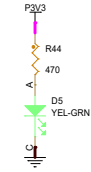
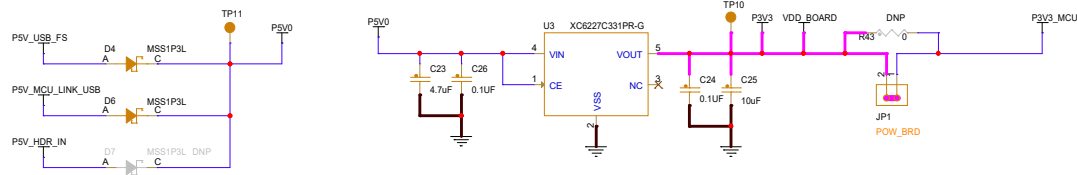
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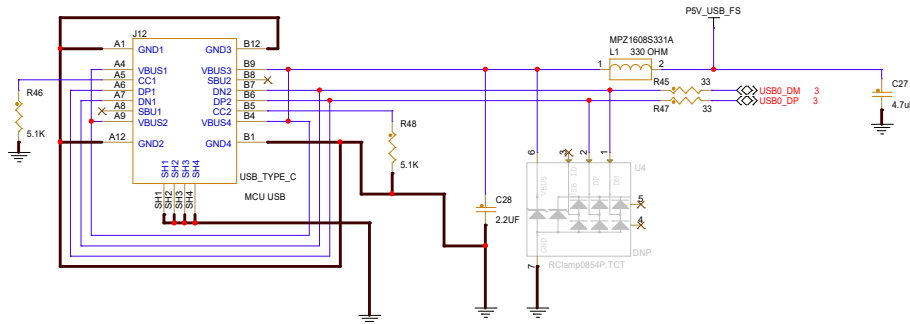
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Rev	
A	

POWER



USB FULL SPEED USB Type C



Note:
900ohms differential impedance
Differential signal routing



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FRDM-MCXC444

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USB & PWR

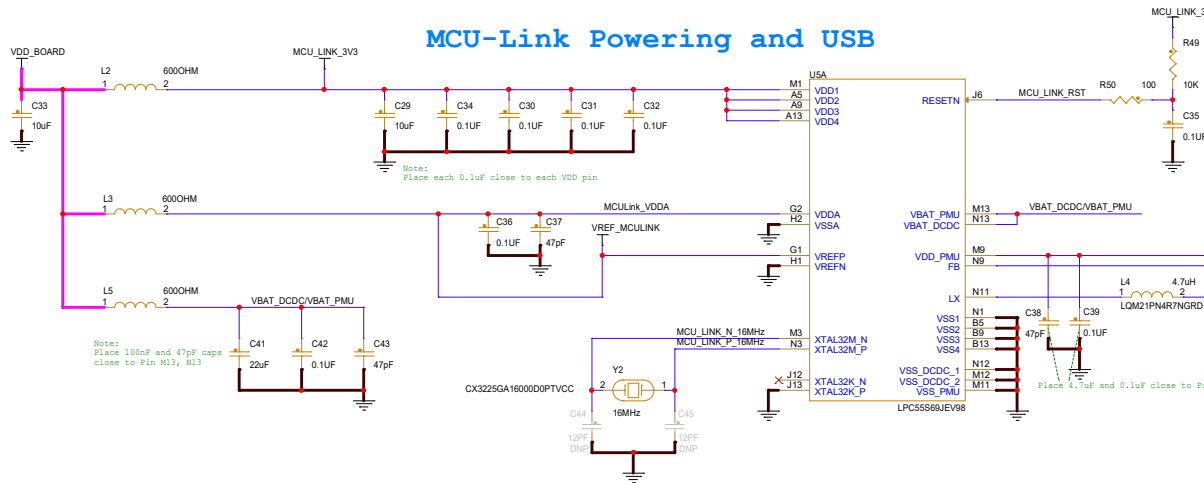
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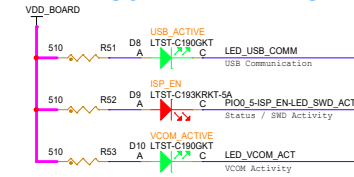
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Rev A

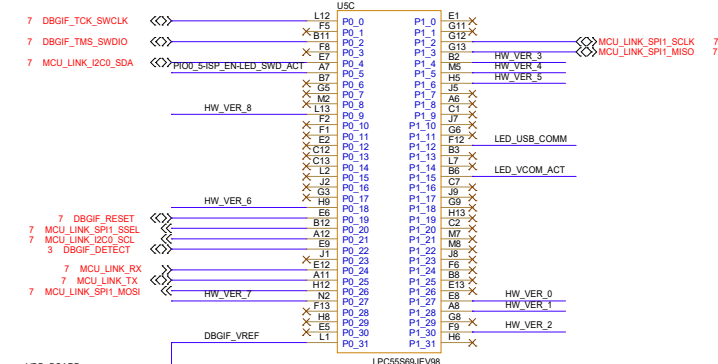
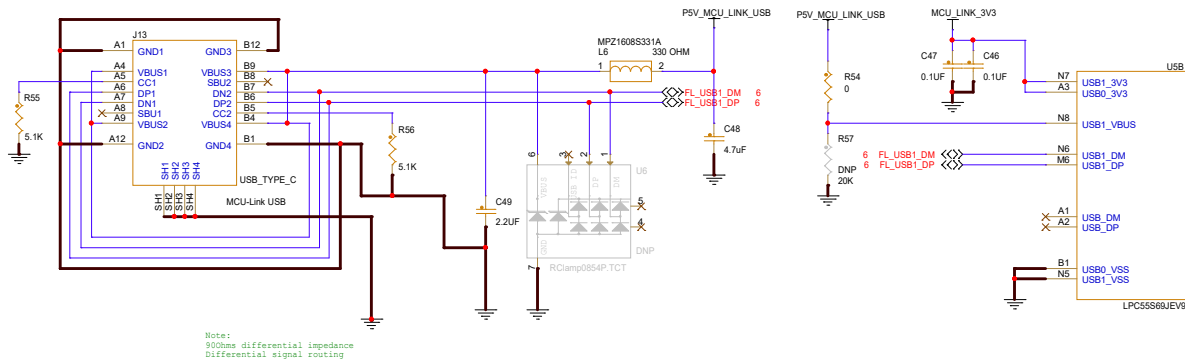
MCU-Link Powering and USB



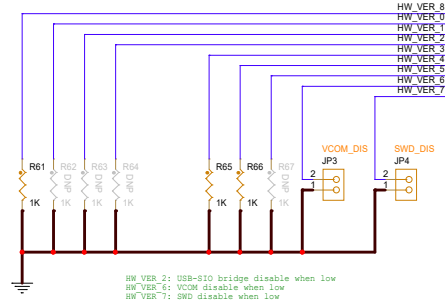
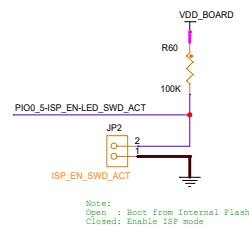
MCU-Link LEDs



MCU-Link USB Type C



MCU-Link Mode



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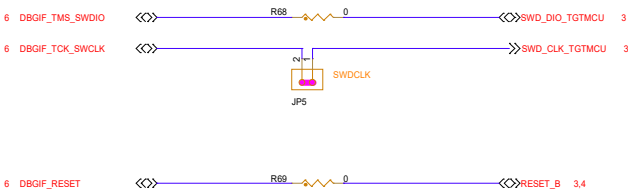
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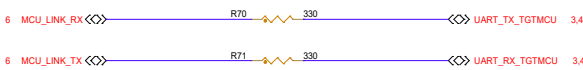
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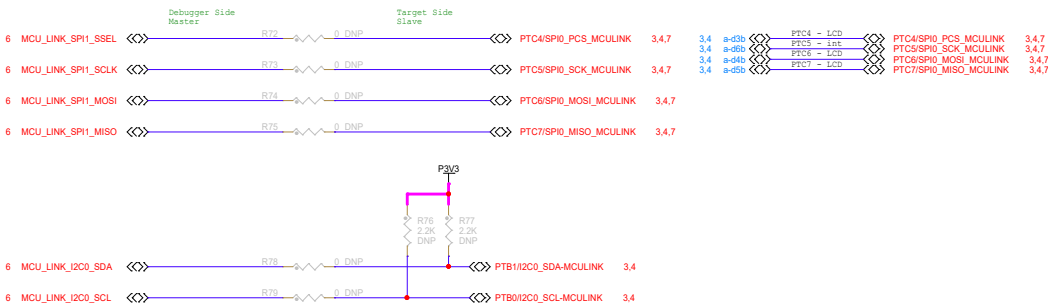
MCU-Link Debug Interface



MCU-Link UART



USB Bridge



REF DES	JUMPER	PAGE NAME
JP6,JP7	1-2	03-MCU MCXC444
JP1	1-2	05 USB & PWR
JP2,JP3,JP4	OPEN	06 MCU LINK USB
JP5	1-2	07 MCU_LINK_DEBUG

REF DES	ASSY_OPT	PAGE NAME
C17,C18,C19,C22,J7,J11,R30,R31	DNP	04-Headers
C4,C6,C12,D2,JP6,R3	DNP	03-MCU MCXC444
D7,R43,U4	DNP	05 USB & PWR
C44,C45,R57,R62,R63,R64,R67,U6	DNP	06 MCU_LINK_USB
R72,R73,R74,R75,R76,R77,R78,R79	DNP	07 MCU_LINK_DEBUG



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Drawing Title: FRDM-MCXC444		
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