

MIMXRT1060-EVK

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1. Unless Otherwise Specified:
 - All resistors are in ohms, 1/16 Watt, 0402
 - All capacitors are in uF, 0402
 - All voltages are DC
 - All polarized capacitors are aluminum electrolytic
2. Interrupted lines coded with the same letter or letter combinations are electrically connected.

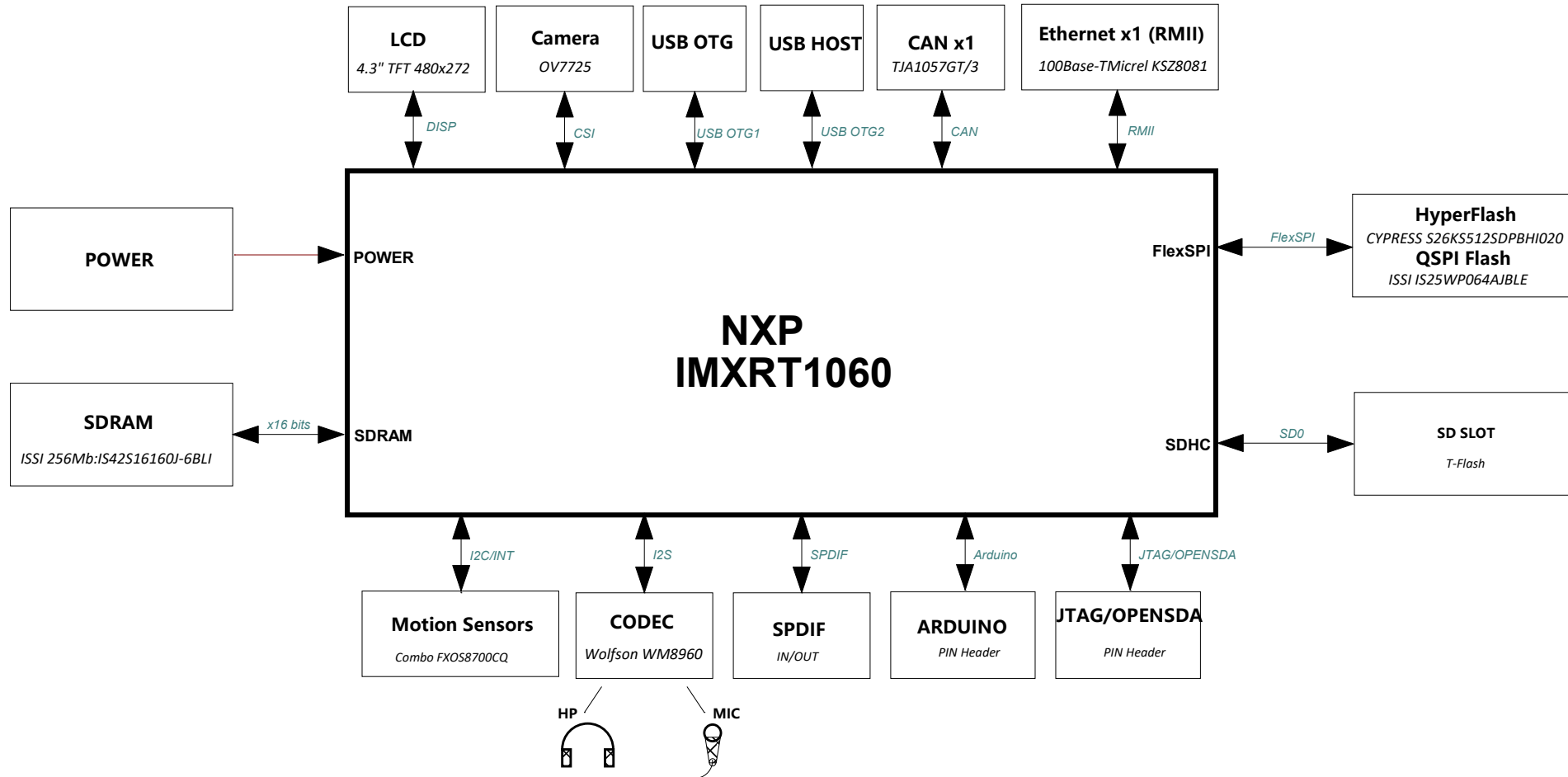
Revision History

[illegible]


3. Device type number is for reference only. The number varies with the manufacturer.
4. Special signal usage:
 - _B Denotes - Active-Low Signal
 - <> or [] Denotes - Vectored Signals
5. Interpret diagram in accordance with American National Standards Institute specifications, current revision, with the exception of logic block symbology.

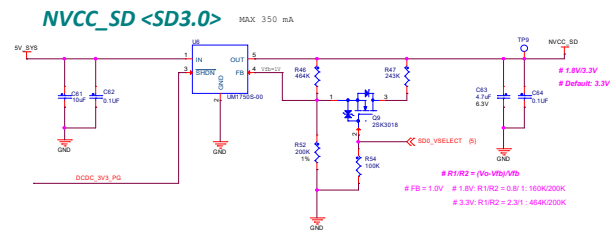
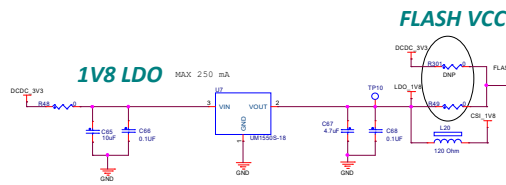
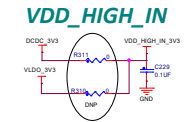
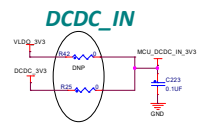
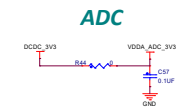
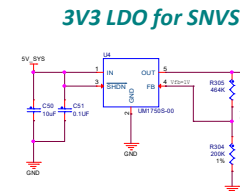
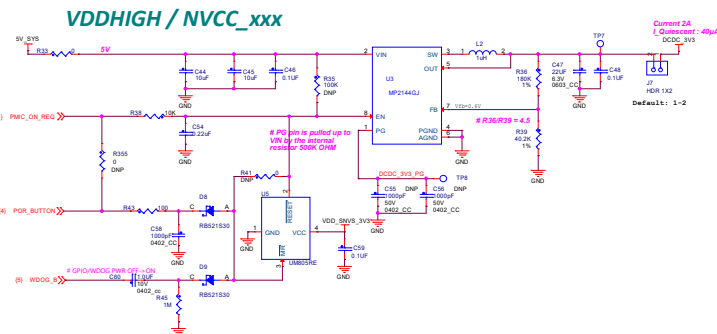
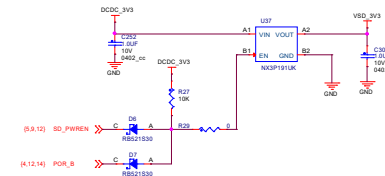
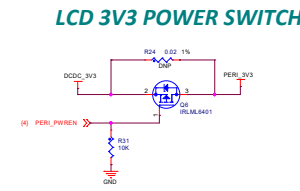
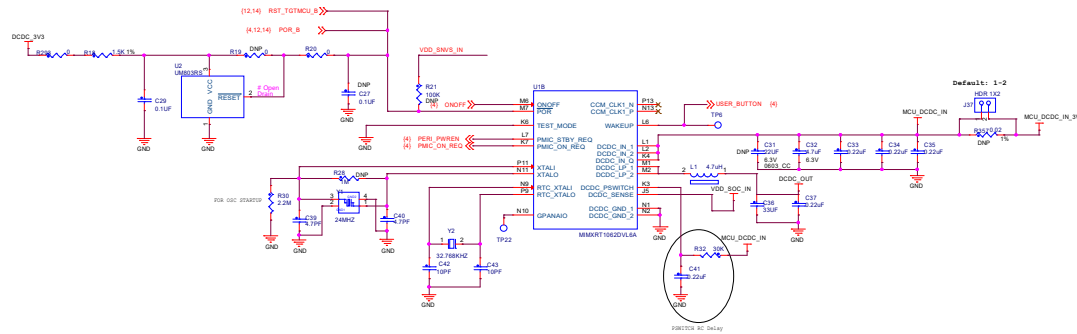
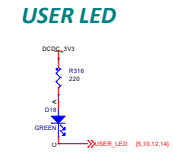
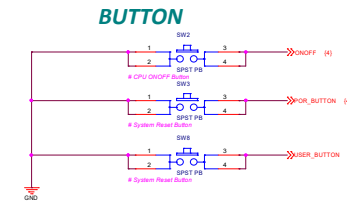
				
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Page Title: COVER				
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MIMXRT1060-EVK

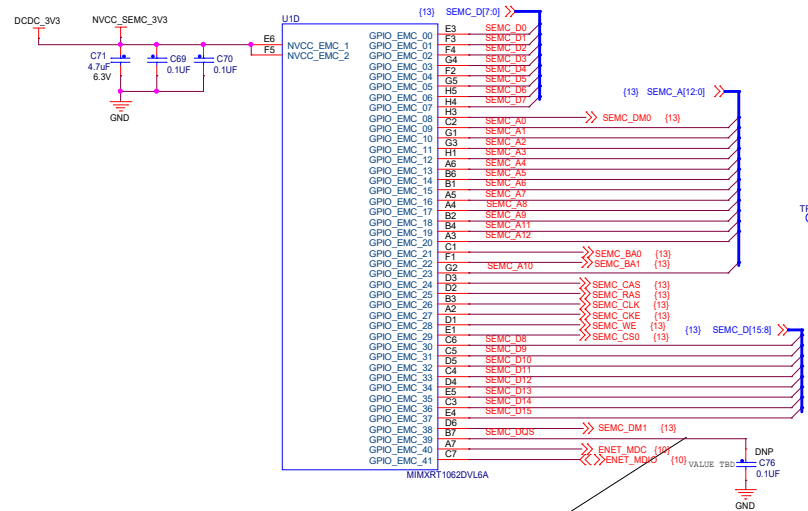


Four circuit diagrams are shown, each representing a different component layout. Each diagram consists of a blue rectangular component labeled with its length, ".635" LONG". Below each component is a red ground symbol labeled "GND". The diagrams are labeled H1, H2, H3, and H4 from left to right.

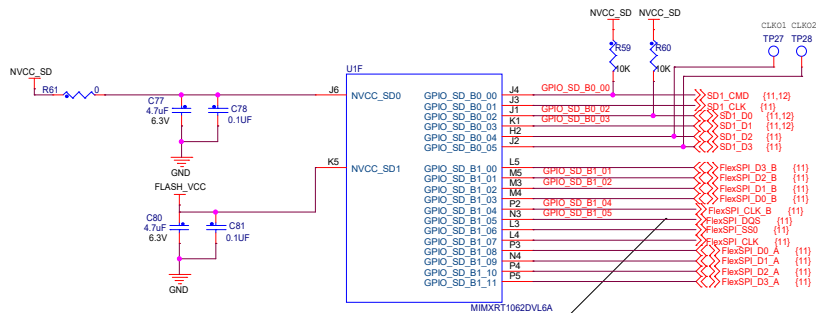
				
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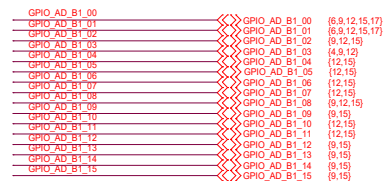
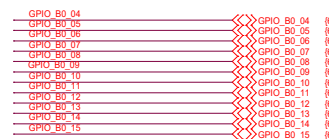
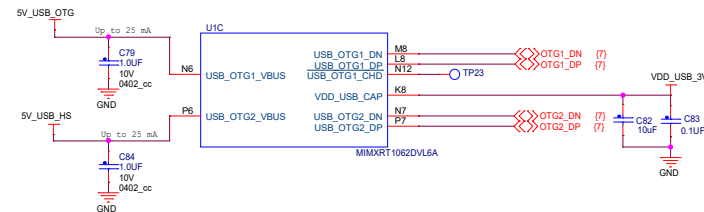
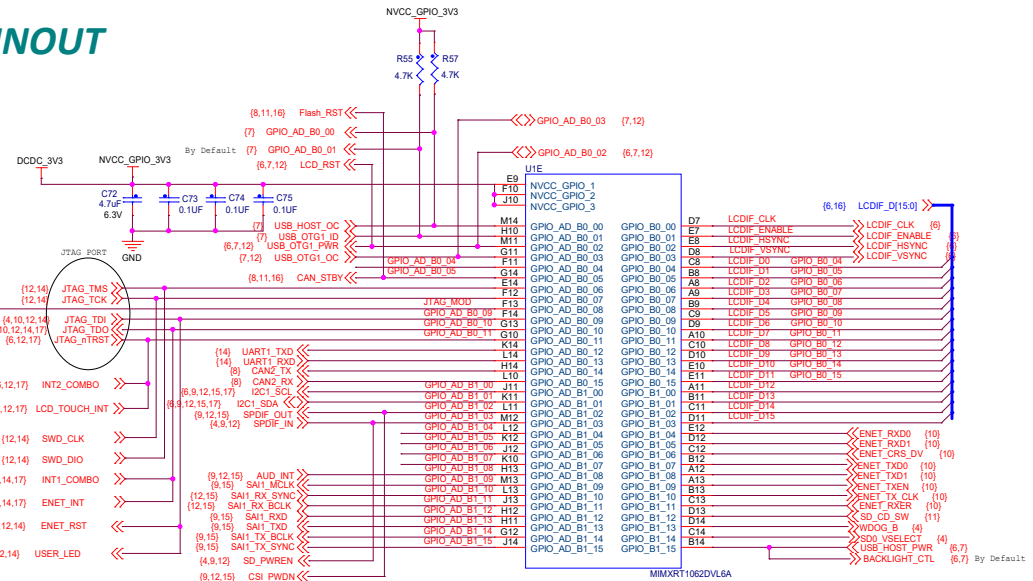
MCU PINOUT



SEMC_DQS PIN need floating for SDRAM RW @166MHz



FlexSPI_QQS PIN need
floating for QSPI Flash RW @133MHz



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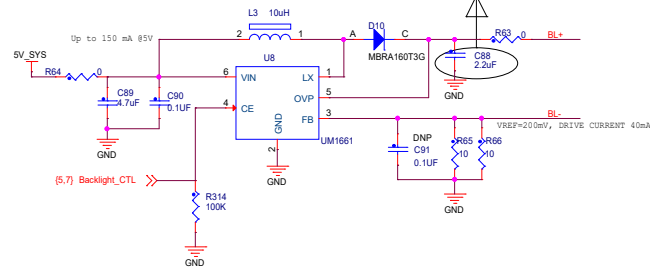
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Page Title: **MIMXRT1062DVL6A**

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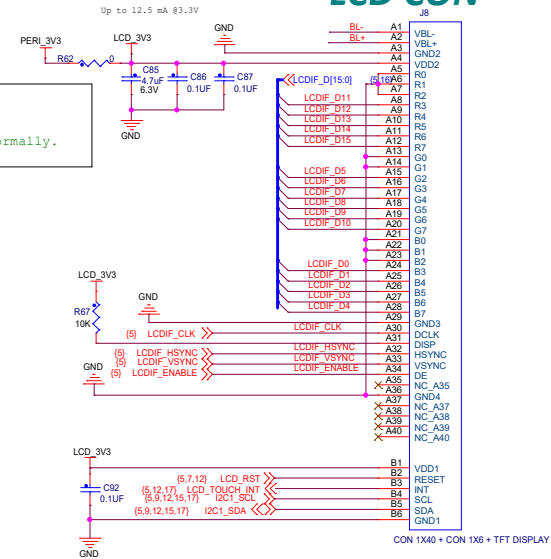
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Backlight Control

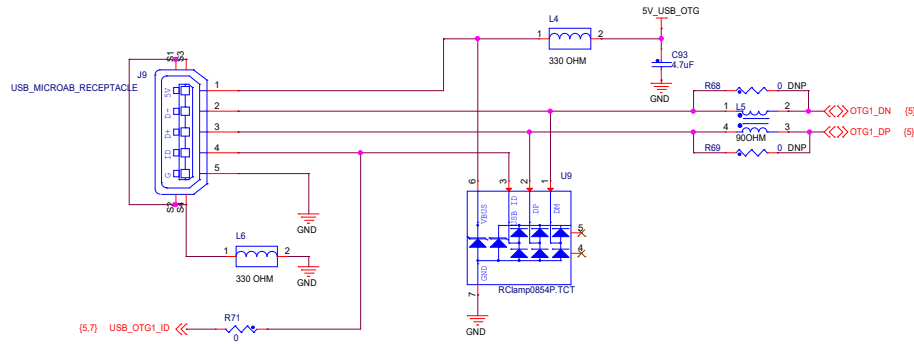


Note:
If you use LCD module for Rev X2, A, A1 and A2,
need to change C88 to 2.2uF/35V or 1.0uF/35V
to ensure the backlight control circuits working normally.

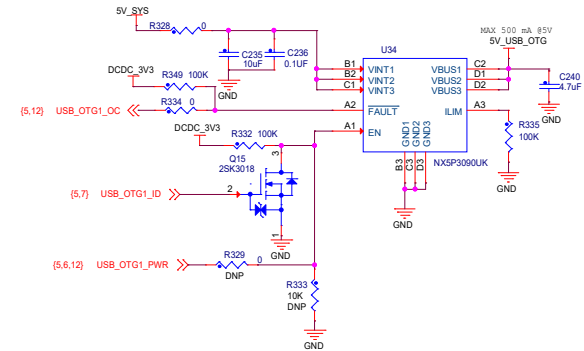
LCD CON



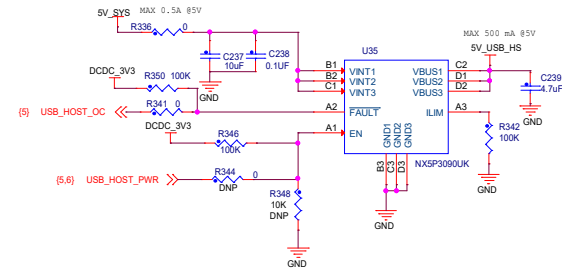
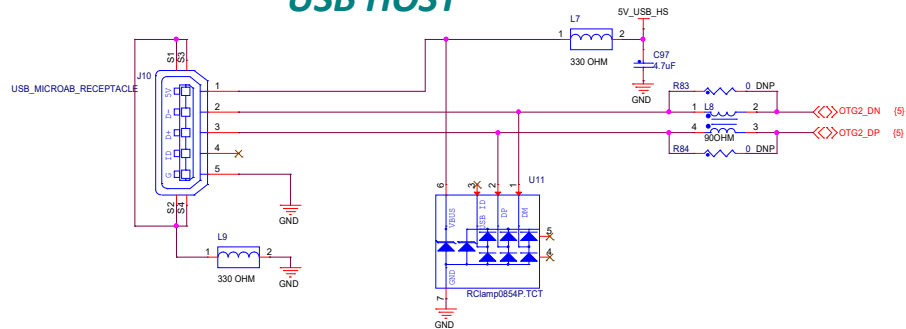
USB OTG



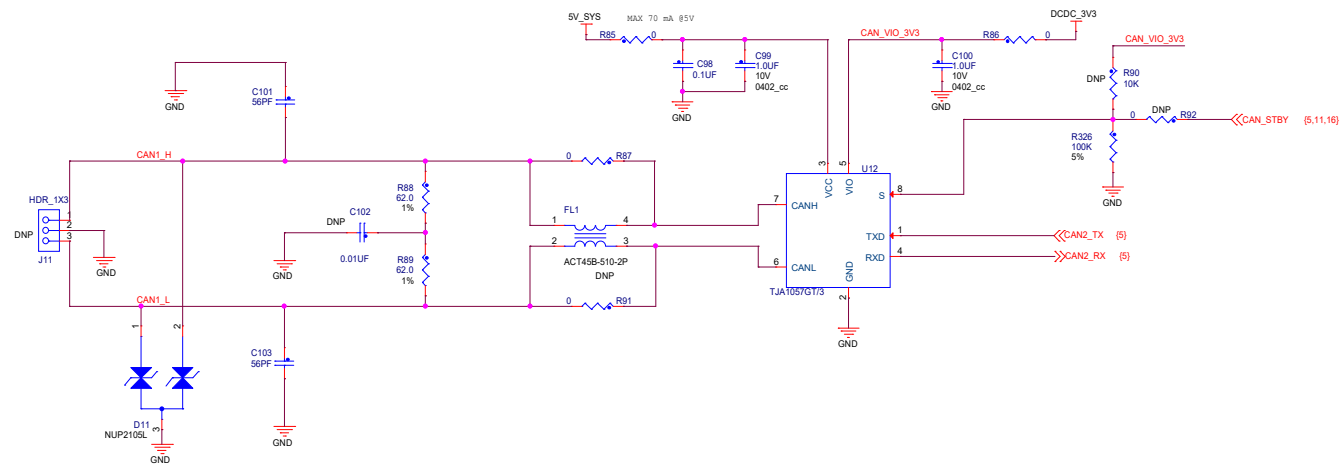
USB POWER



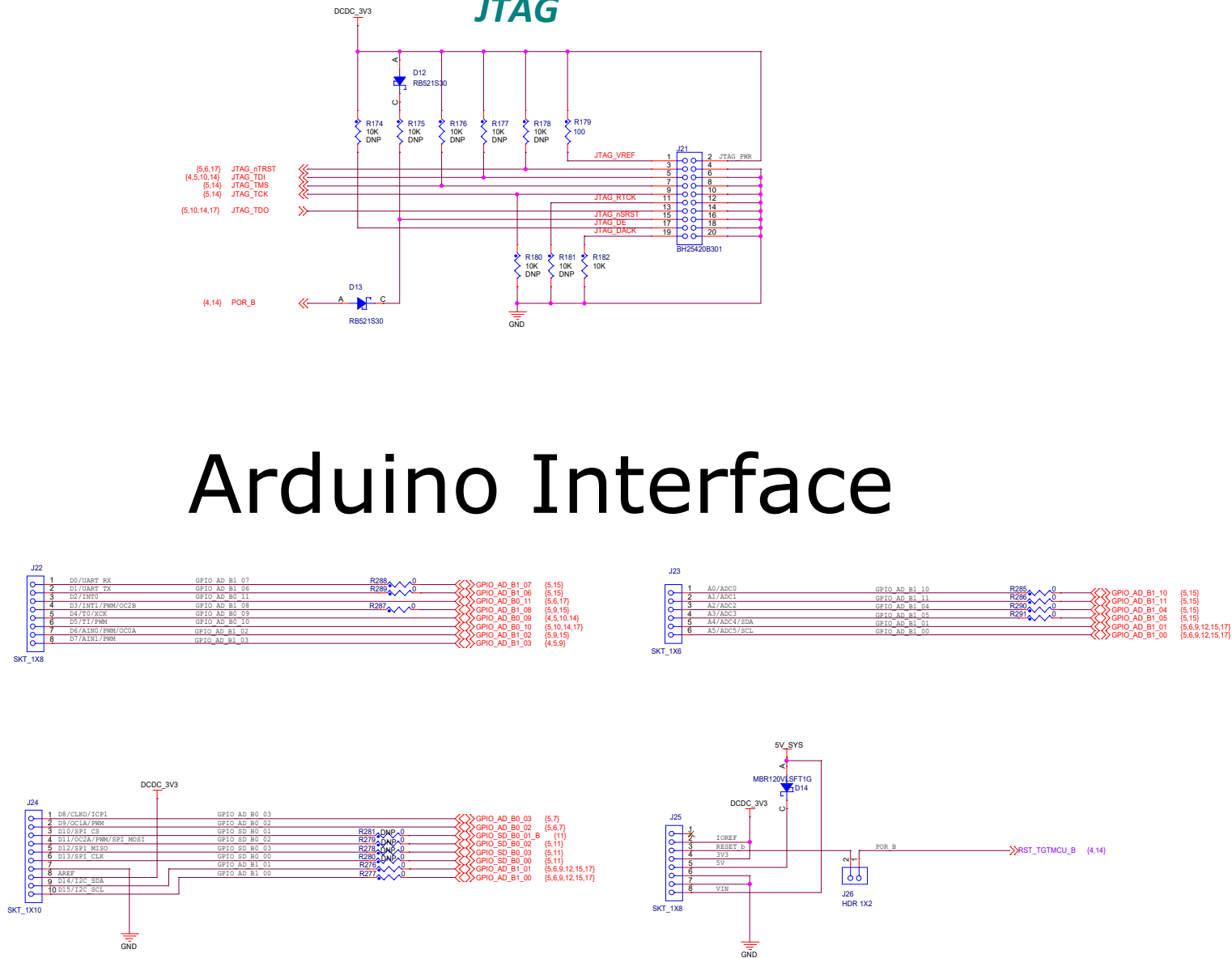
USB HOST



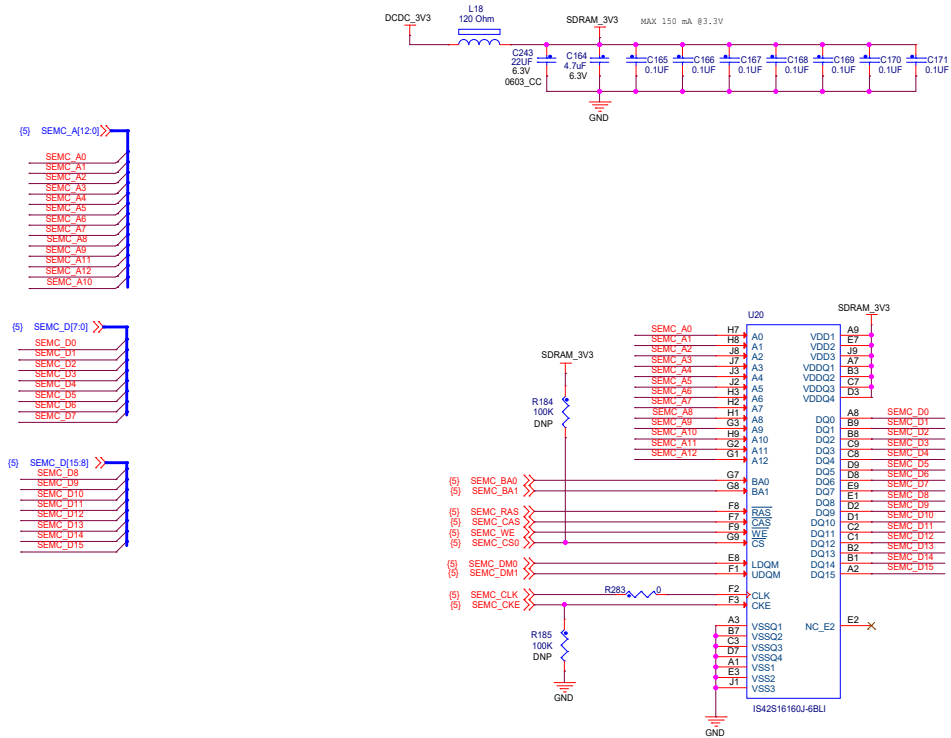
CAN BUS



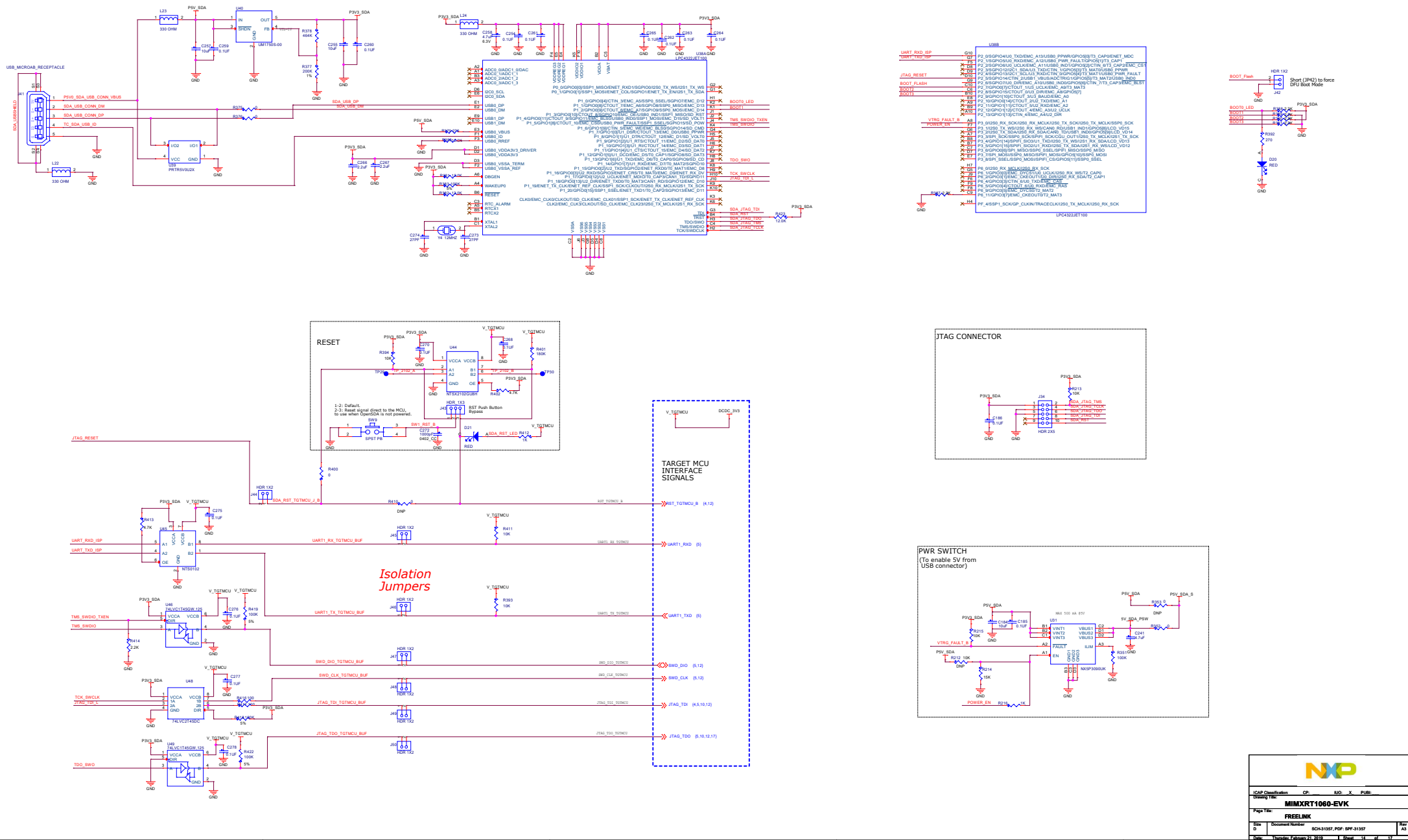
Arduino Interface



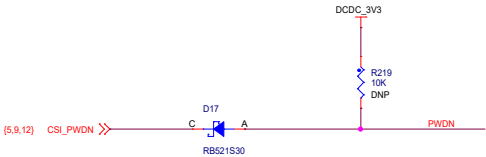
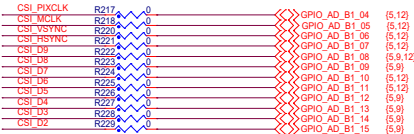
SDRAM



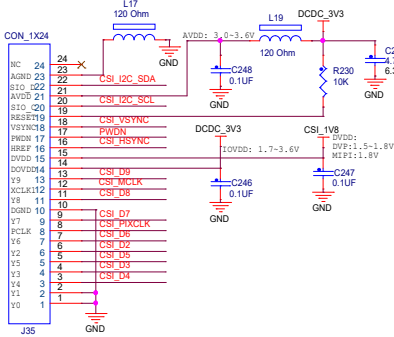
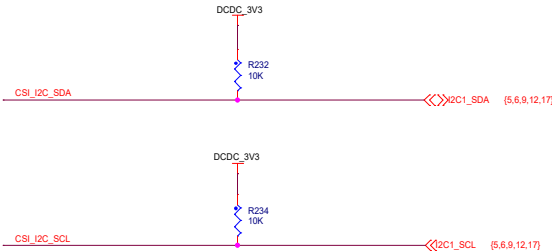
Freelink Interface



Camera Signals

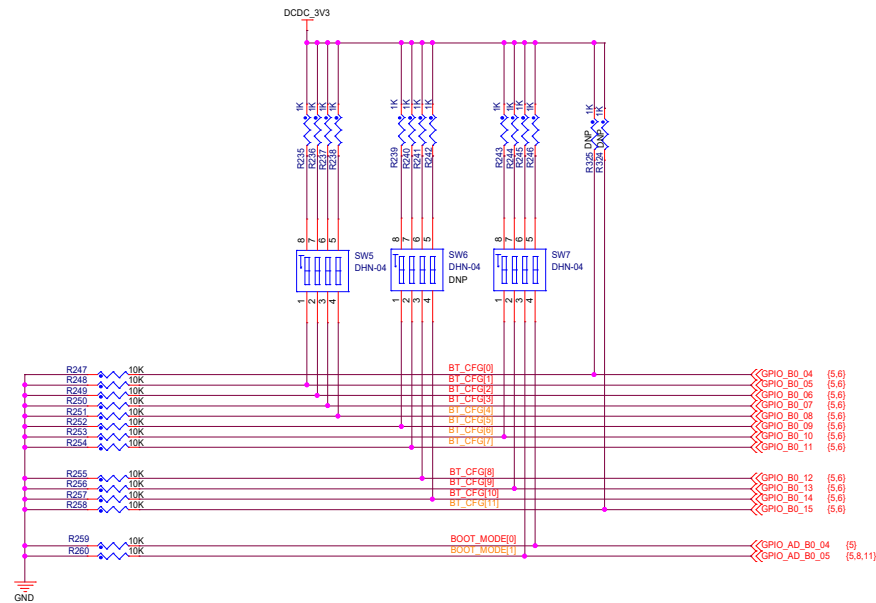


FPC FOR MT9M114/OV7725 MODULE

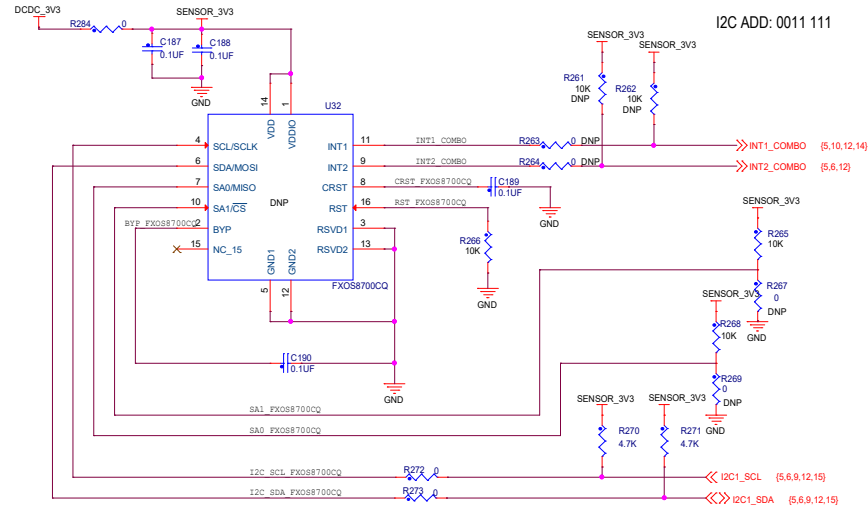


FUSE MAP

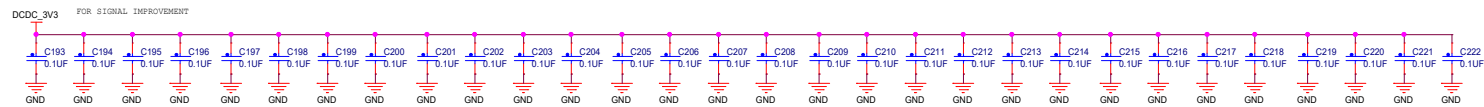
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FlexSPI1 - Serial NOR	Infinit-Loop: (Debug USE only) 0 - Disable 1 - Enable	FLASH_TYPE 000-Device supports 3B read by default 001-Device supports 4B read by default 010-HyperFlash 1V8 011-HyperFlash 3V3 100-MXIC Octal DDR			0	0	0	0	HOLD TIME: 00 - 500us 01 - 1ms 10 - 3ms 11 - 10ms		EncryptedXIP 0 - Disabled 1 - Enabled	Reserved
SD	Infinit-Loop: (Debug USE only) 0 - Disable 1 - Enable	Reserved	Bus Width: 0 - 1-bit 1 - 4-bit	SD1 VOLTAGE SELECTION: 0 - 3.3V 1 - 1.8V	0	1	SD/SDXC Speed: 00 - Normal/SDR12 01 - High/SDR25 10 - SDR50 11 - SDR104		SD Power Cycle Enable: '0' - No power cycle '1' - Enabled via USDHC_RST pad	SD Loopback Clock Source Sel: (for SDR50 and SDR104 only) '0' - through SD '1' - direct	Port Select: 0 - eSDHC1 1 - eSDHC2	Fast Boot: 0 - Regular 1 - Fast Boot



COMBO SENSOR



FXOS8700CQ COMBO SENSOR



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Drawing Title:				
MIMXRT1060-EVK				
Page Title:				
MISC				
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