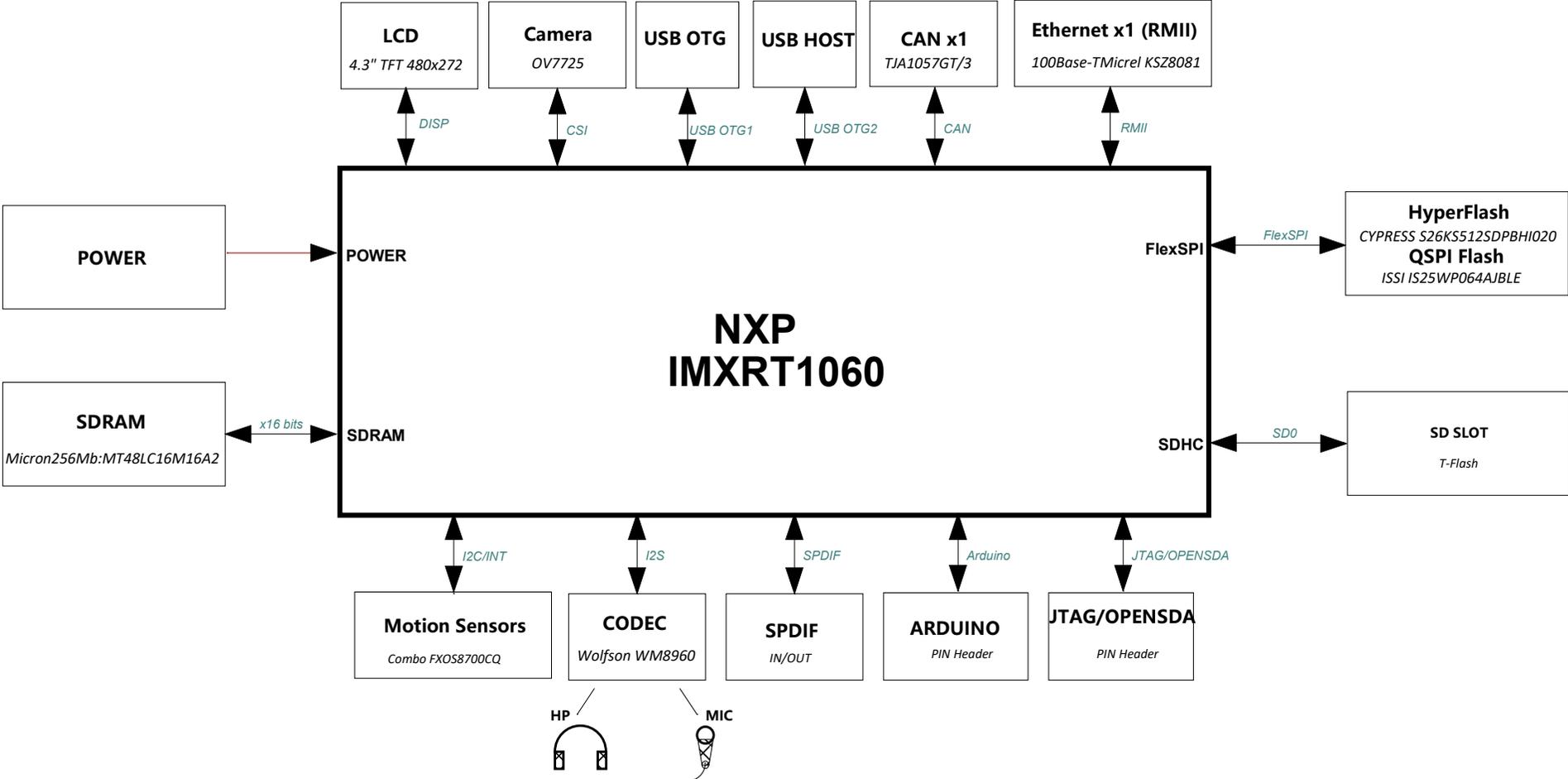
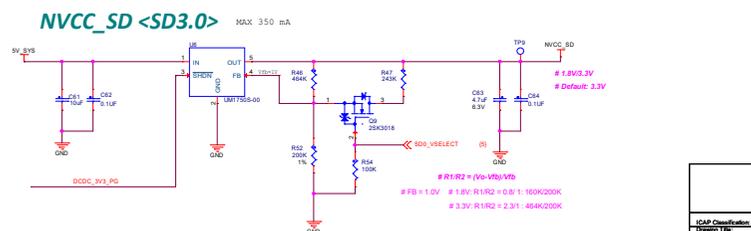
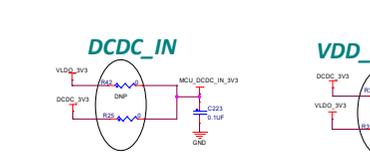
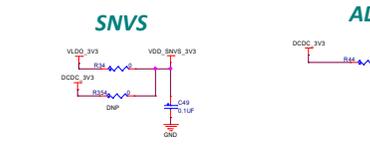
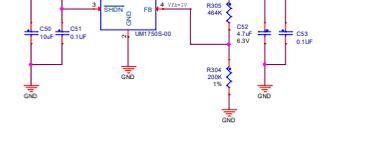
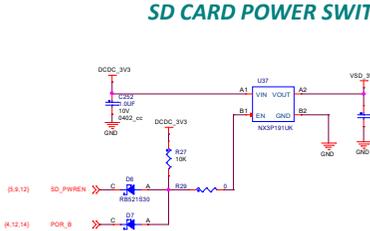
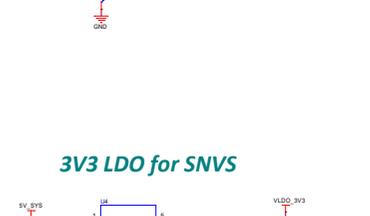
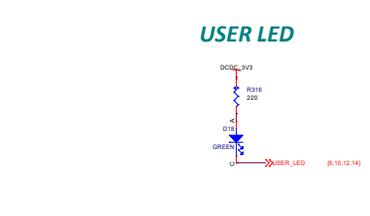
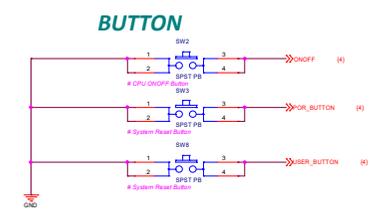
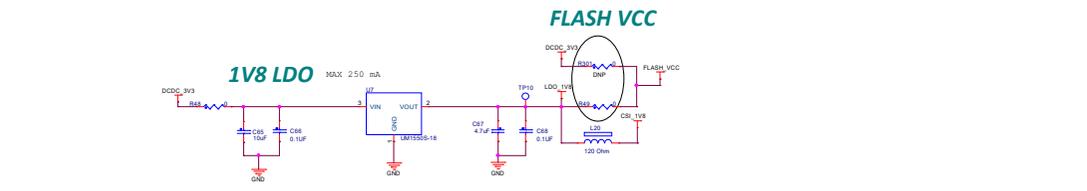
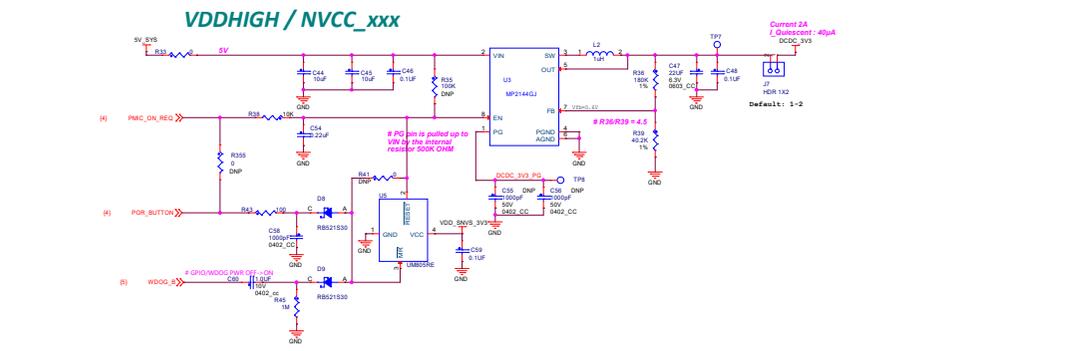
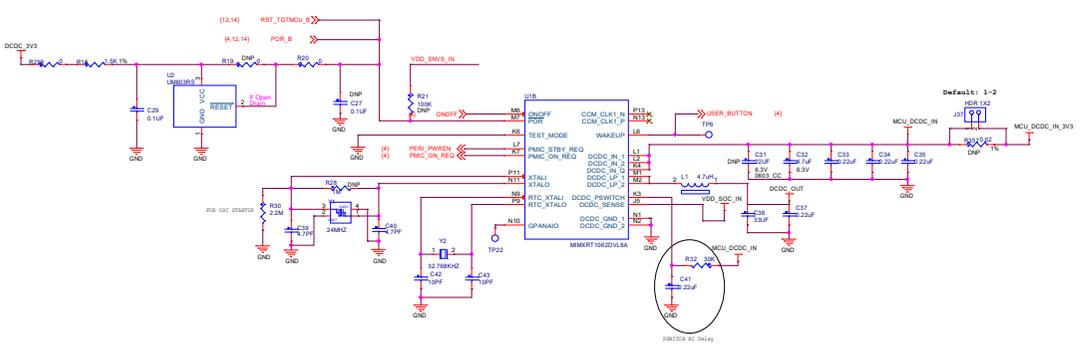
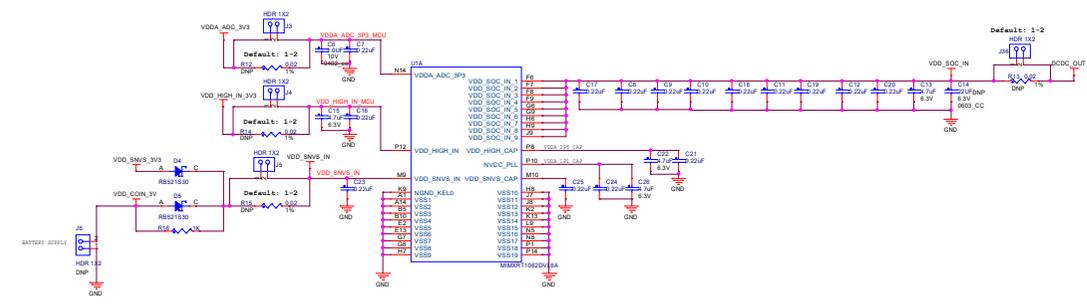




**MIMXRT1060-EVK**



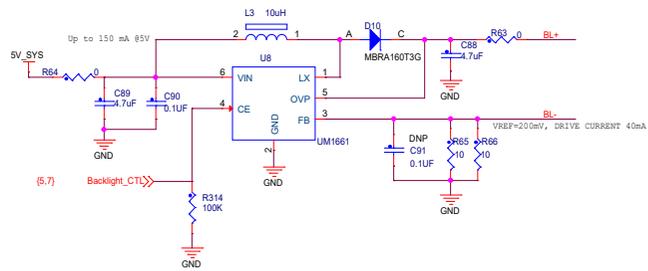




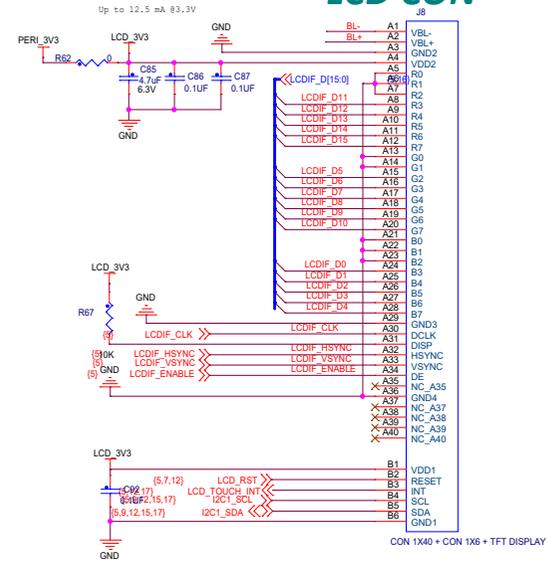
<b>NXP</b>	
ICAP Classification:	CP, B3D, X, P, B3D
Drawing Title:	<b>MIMXRT1060-EVK</b>
Page Title:	<b>POWER DOMAIN</b>
Doc ID:	669101
Document Number:	669101
Doc. Title:	669101
Doc. Number:	669101
Doc. Version:	669101
Doc. Date:	669101



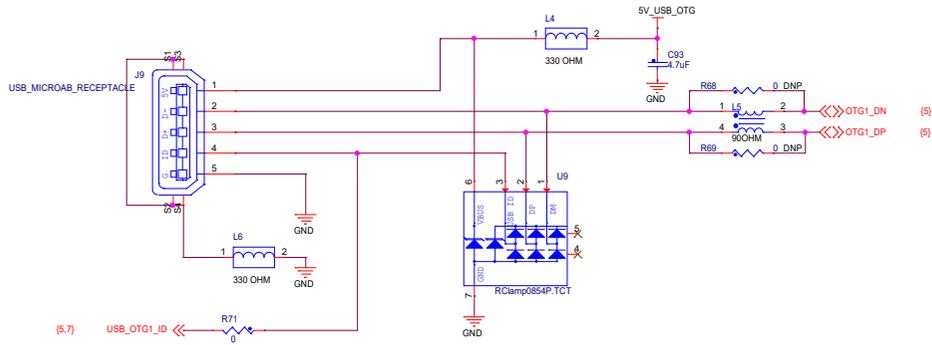
## Backlight Control



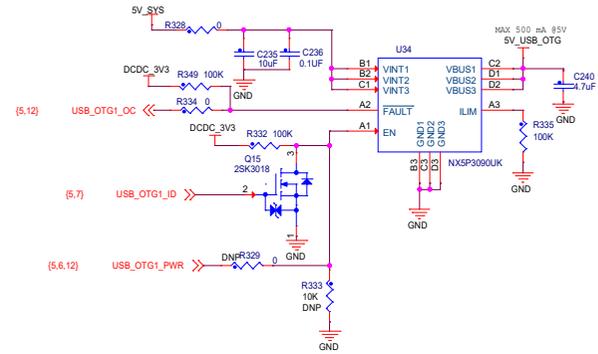
## LCD CON



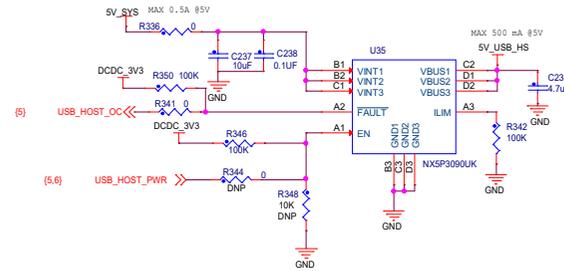
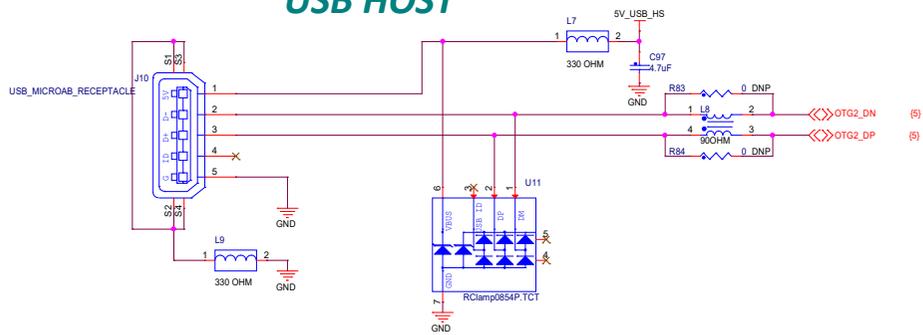
## USB OTG



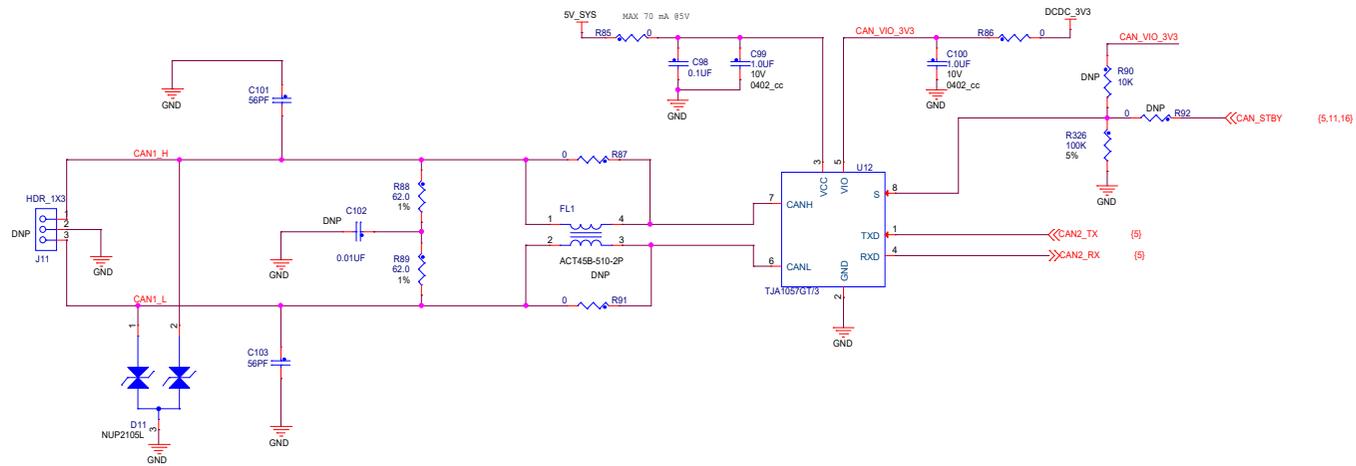
## USB POWER



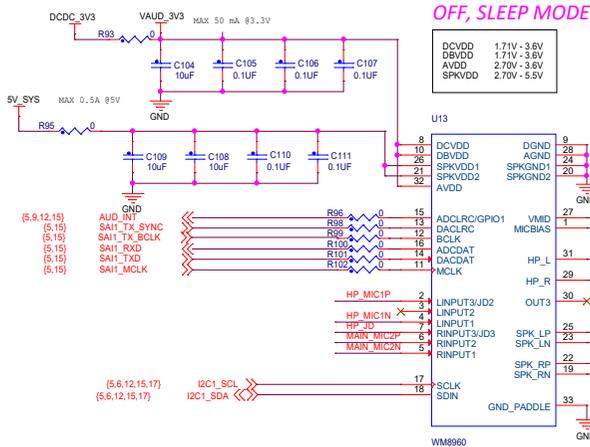
## USB HOST



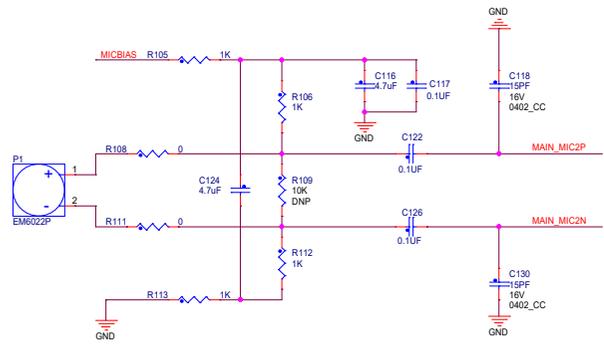
# CAN BUS



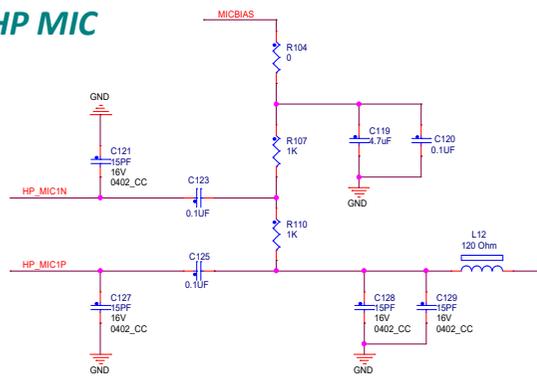
ICAP Classification: CP: IUC: X PUB:	
Drawing Title: <b>MIMXRT1060-EVK</b>	
Page Title: <b>CAN</b>	
Size C	Document Number SCH-31357, PDF-SPF-31357
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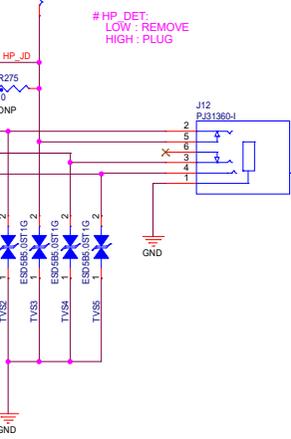
**Main Board MIC**



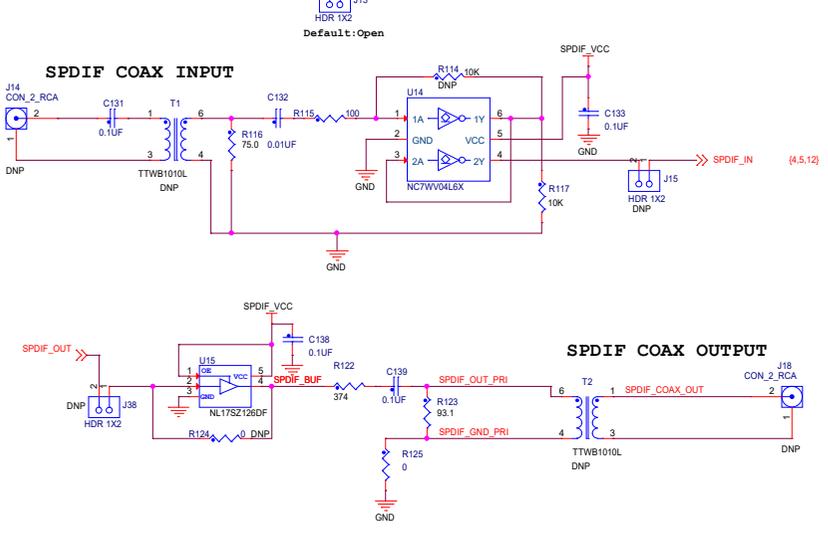
**HP MIC**



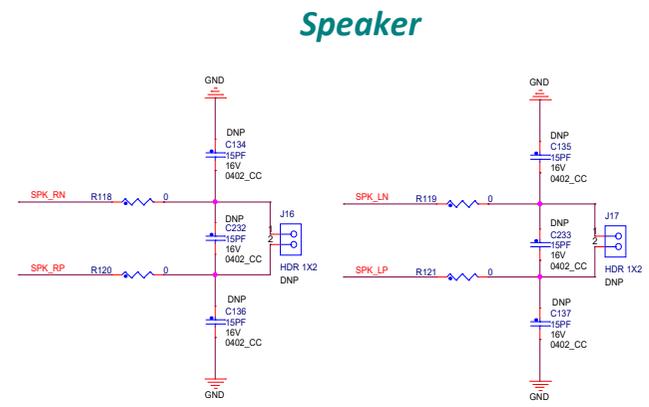
**HP JACK**



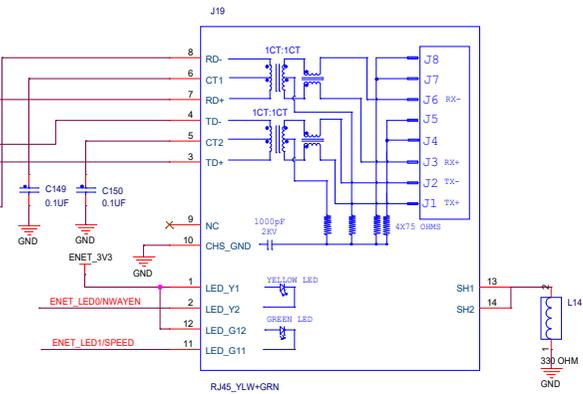
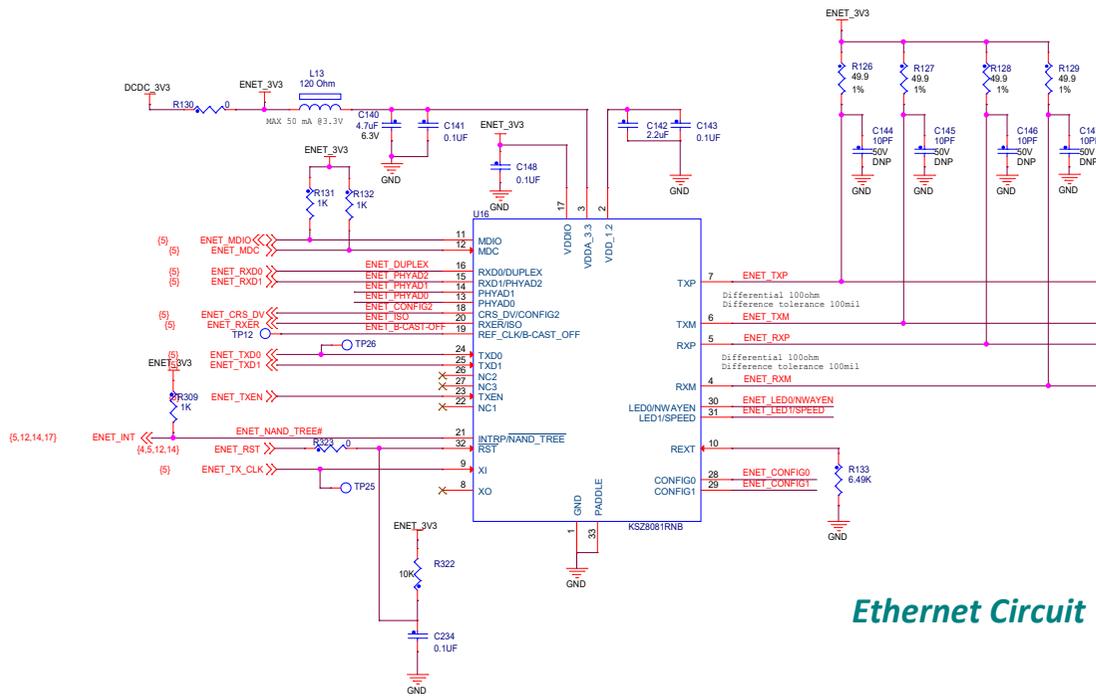
**SPDIF INTERFACE**



**Speaker**



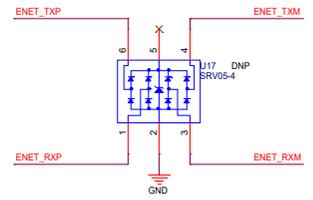
ICAP Classification: CP, IUC, X, PUBI  
 Drawing Title: **MIMXRT1060-EVK**  
 Page Title: **AUDIO**  
 Size C Document Number SCH-31357, PDF: SPF-31357 Rev A2  
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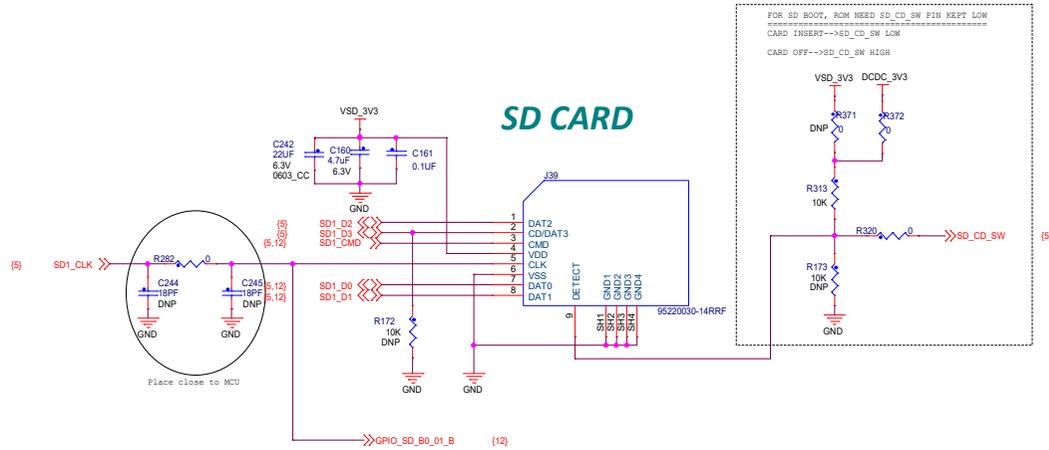


### Ethernet Circuit

# CFG	Description	# CFG	Description
PHYAD[2:0]	PHY ADDR 00-XXX (00010 DEFAULT)	DUPLEX	DUPLEX mode Pull-up (default) = Half Duplex Pull-down = Full Duplex
CONFIG[2:0]	IF MODE 001 RMII 101 RMII Back-to-Back xxx Reserved-not used	NWAYEN	Nway Auto-Negotiation Pull-up (default) = Enable Pull-down = Disable
ISO	ISOLATE mode Pull-up = Enable Pull-down (default) = Disable	B_CAST_OFF	Broadcast Off - for PHY Address 0 Pull-up = PHY Address 0 set as unique PHY addr Pull-down (default) = PHY Address 0 set as broadcast PHY addr
SPEED	SPEED mode Pull-up (default) = 100Mbps Pull-down = 10Mbps	NAND_TREE#	NAND Tree Mode Pull-up (default) = Disable Pull-down = Enable

### ESD PROTECTION

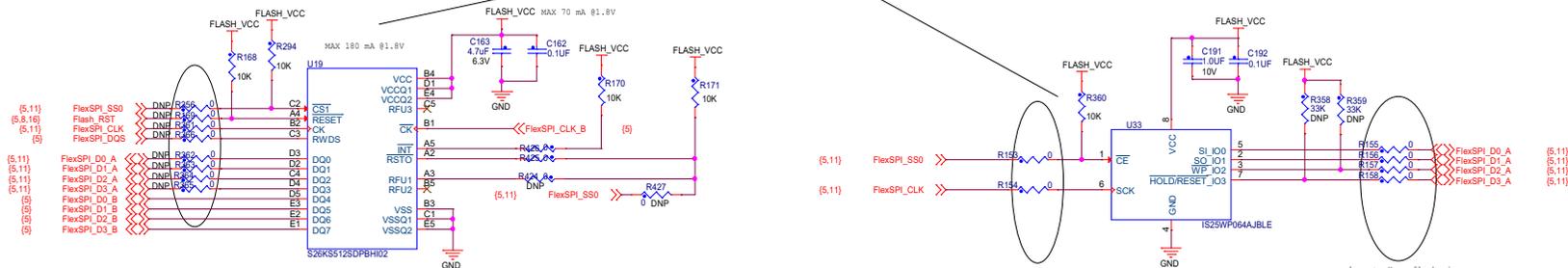




### 1V8 HyperFlash

OPTION1: USE Hyperflash( DNP R153-R158, Mount R356,R361-R366)  
 OPTION2: USE QSPI FLASH(Mount R153-R158, DNP R356,R361-R366)

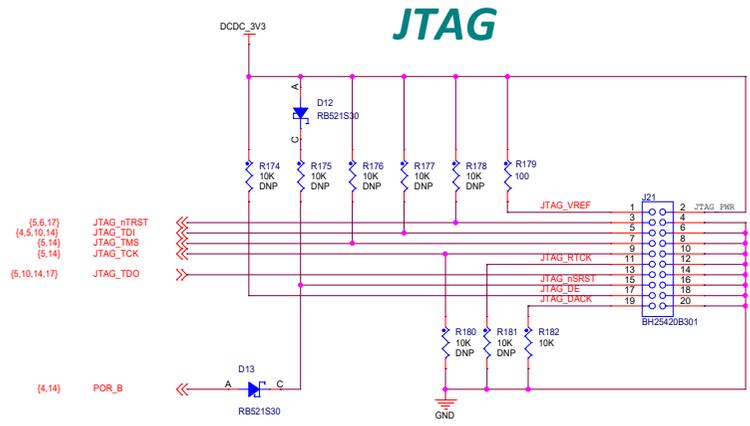
### 1V8 QSPI Flash



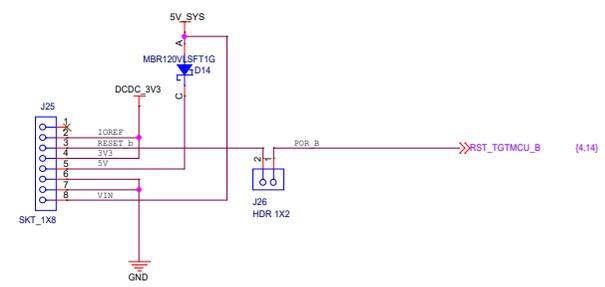
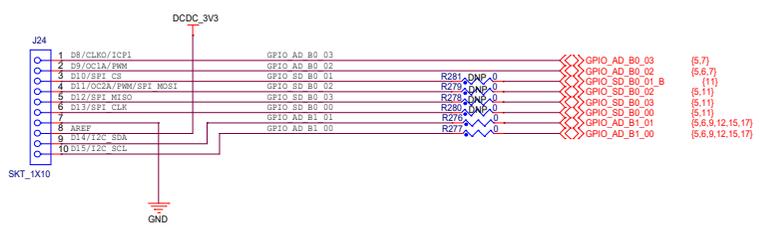
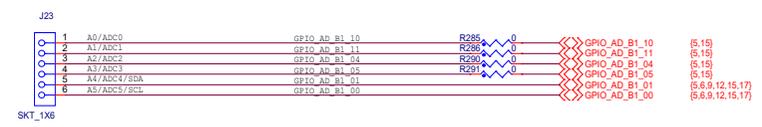
Share the same package with S27KS064IDPBHI023  
 (if HYPERRAM is replaced, then DNP R425,R426,Mount R424,R427)



ICAP Classification: CP: IUC: X PUBL:	
Drawing Title: <b>MIMXRT1060-EVK</b>	
Page Title: <b>SD/FLASH</b>	
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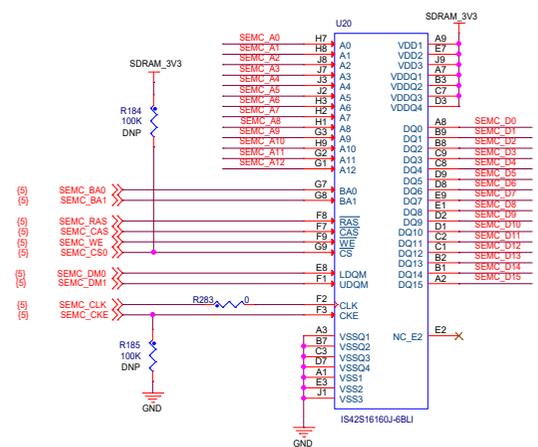
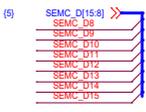
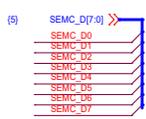
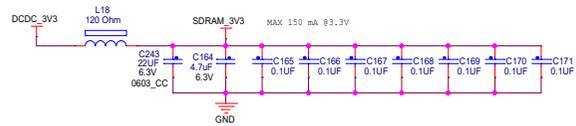
# Arduino Interface





ICAP Classification: CP: _____ IUC: X PUBL: _____	
Drawing Title: <b>MIMXRT1060-EVK</b>	
Page Title: <b>DEBUG/JTAG</b>	
Size C	Document Number SCH-31357, PDF: SPF-31357
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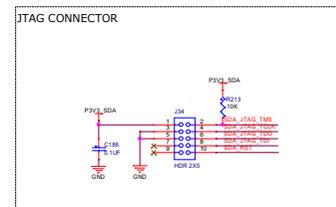
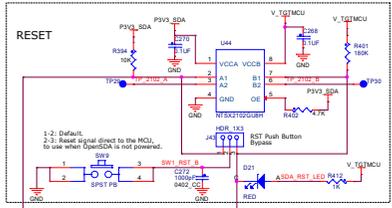
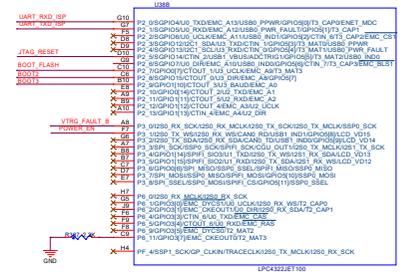
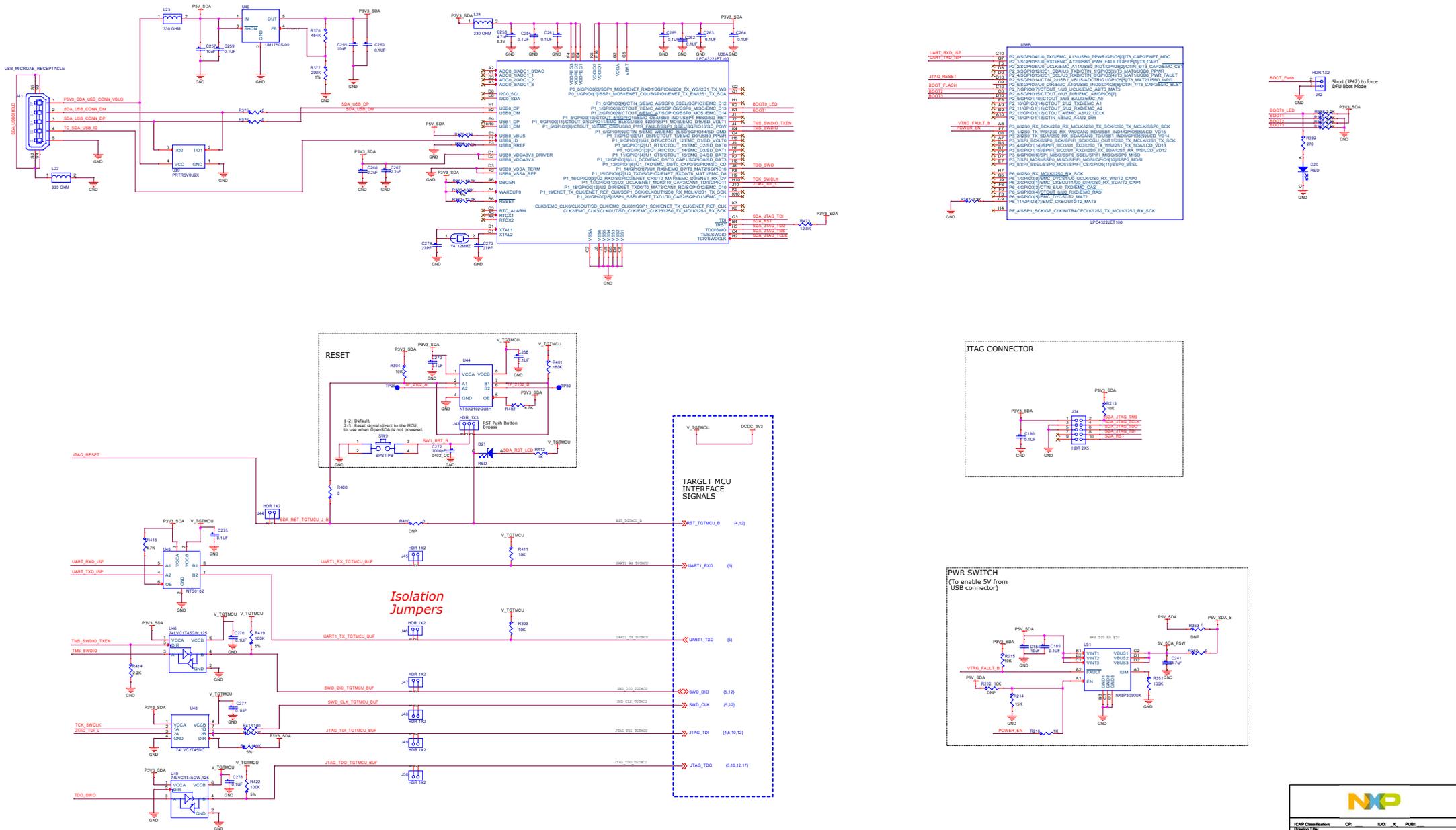
# SDRAM



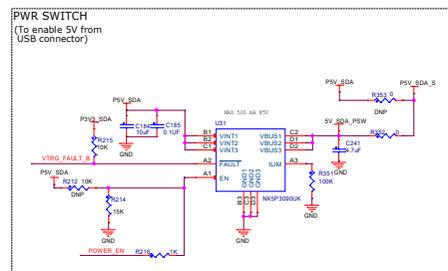


ICAP Classification: CP: _____ IUC: X PUI: _____	
Drawing Title: <b>MIMXRT1060-EVK</b>	
Page Title: <b>SDRAM</b>	
Size C	Document Number SCH-31357, PDF: SPF-31357
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# Freelink Interface

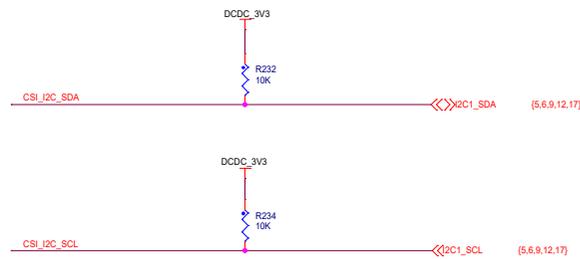
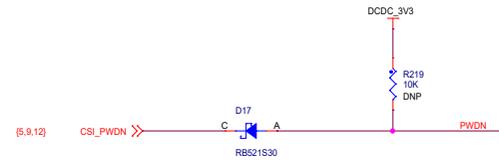


Isolation Jumpers

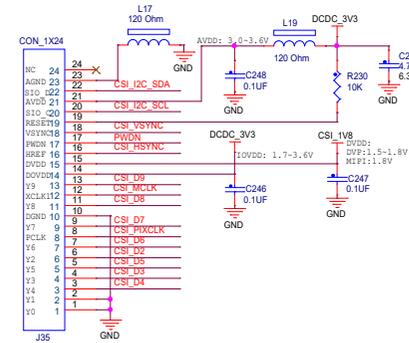


## Camera Signals

CSI_PIXCLK	R217	0	GPIO_AD_B1_04	(5,12)
CSI_MCLK	R218	0	GPIO_AD_B1_06	(5,12)
CSI_VSYNC	R220	0	GPIO_AD_B1_06	(5,12)
CSI_PSYNC	R221	0	GPIO_AD_B1_07	(5,12)
CSI_D9	R222	0	GPIO_AD_B1_08	(5,9,12)
CSI_D8	R223	0	GPIO_AD_B1_08	(5,9)
CSI_D7	R224	0	GPIO_AD_B1_10	(5,12)
CSI_D6	R225	0	GPIO_AD_B1_11	(5,12)
CSI_D5	R226	0	GPIO_AD_B1_12	(5,9)
CSI_D4	R227	0	GPIO_AD_B1_13	(5,9)
CSI_D3	R228	0	GPIO_AD_B1_14	(5,9)
CSI_D2	R229	0	GPIO_AD_B1_15	(5,9)

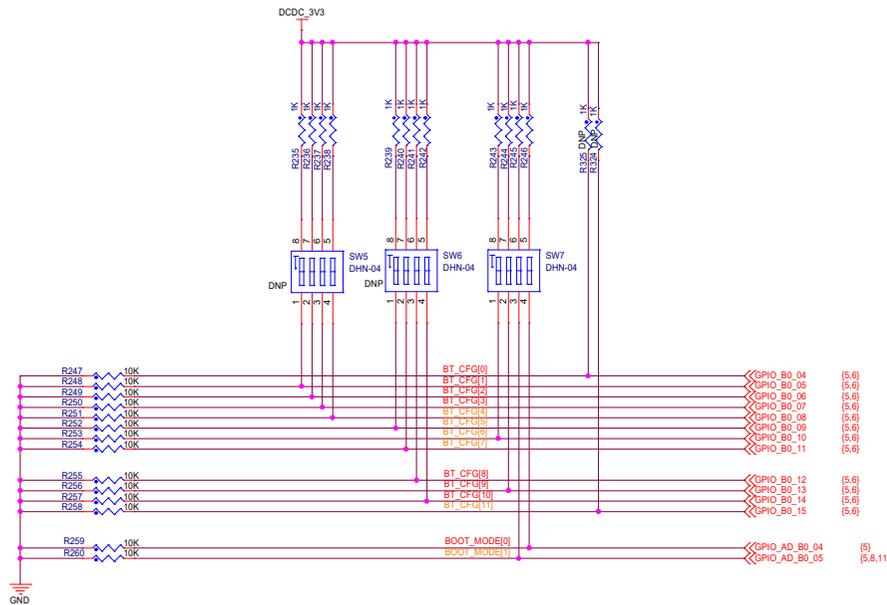


## FPC FOR MT9M114/OV7725 MODULE



# FUSE MAP

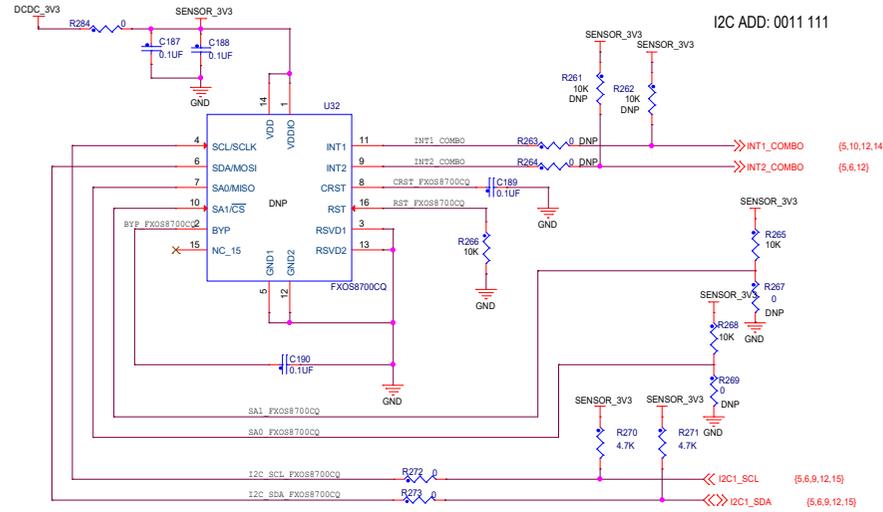
TYPE	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
	BOOT_CFG[11]	BOOT_CFG[10]	BOOT_CFG[9]	BOOT_CFG[8]	BOOT_CFG[7]	BOOT_CFG[6]	BOOT_CFG[5]	BOOT_CFG[4]	BOOT_CFG[3]	BOOT_CFG[2]	BOOT_CFG[1]	BOOT_CFG[0]
<b>FlexSPI - Serial NOR</b>	<i>Infini-Loop: (Debug USE only) 0 - Disable 1 - Enable</i>	<i>FLASH_TYPE 000-Device supports 3B read by default 001-Device supports 4B read by default 010-HyperFlash 1V8 011-HyperFlash 3V3 100-MXIC Octal DDR</i>			0	0	0	0	<i>HOLD TIME: 00 - 500us 01 - 1ms 10 - 3ms 11 - 10ms</i>		<i>EncryptedXIP 0 - Disabled 1 - Enabled</i>	<i>Reserved</i>
<b>SD</b>	<i>Infini-Loop: (Debug USE only) 0 - Disable 1 - Enable</i>	<i>Reserved</i>	<i>Bus Width: 0 - 1-bit 1 - 4-bit</i>	<i>SD1 VOLTAGE SELECTION: 0 - 3.3V 1 - 1.8V</i>	0	1	<i>SD/SDXC Speed: 00 - Normal/SDR12 01 - High/SDR25 10 - SDR50 11 - SDR104</i>		<i>SD Power Cycle Enable: '0' - No power cycle '1' - Enabled via USDHC_RST pad</i>	<i>SD Loopback Clock Source Sel: (for SDR50 and SDR104 only) '0' - through SD '1' - direct</i>	<i>Port Select: 0 - eSDHC1 1 - eSDHC2</i>	<i>Fast Boot: 0 - Regular 1 - Fast Boot</i>





ICAP Classification: CP: _____ IUC: X PUB: _____	
Drawing Title: <b>MIMXRT1060-EVK</b>	
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# COMBO SENSOR



## FXOS8700CQ COMBO SENSOR

