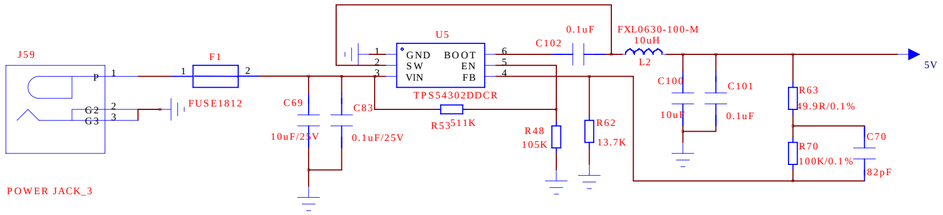
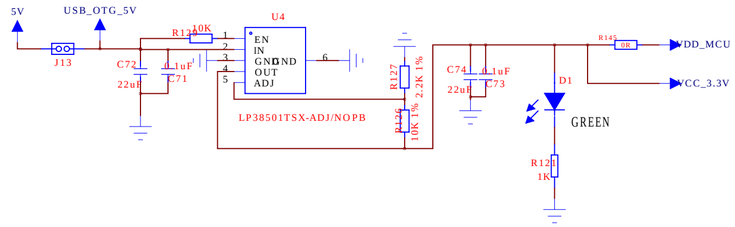
POWER DC 12V



LDO 3.3V



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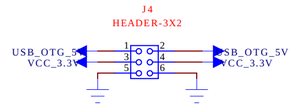
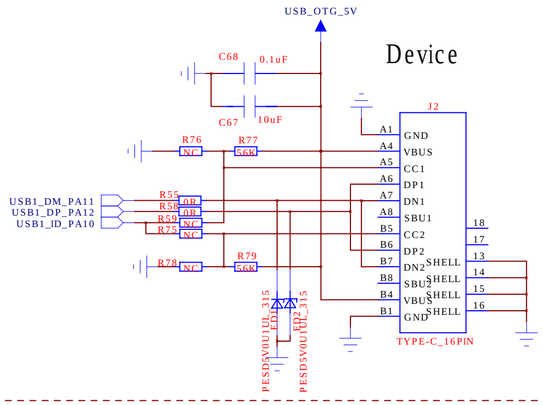
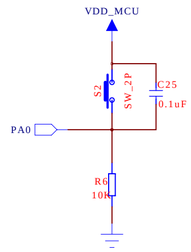


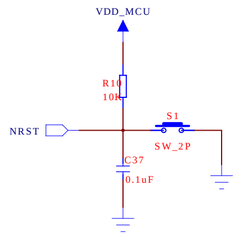
USB1 OTG



MCU WAKEUP



RESET



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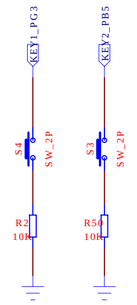

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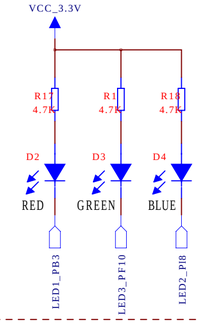
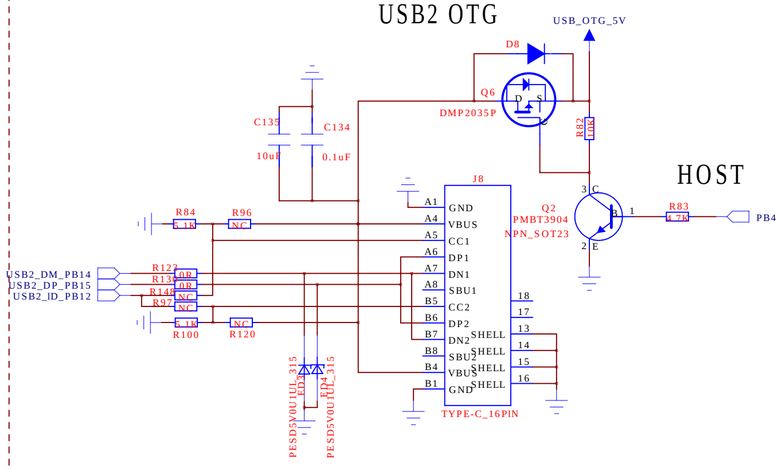
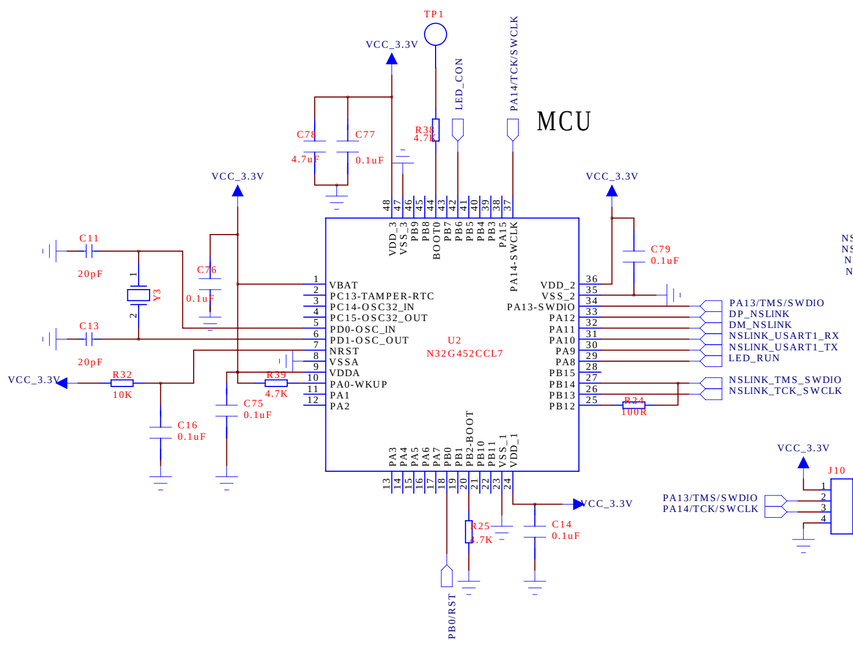


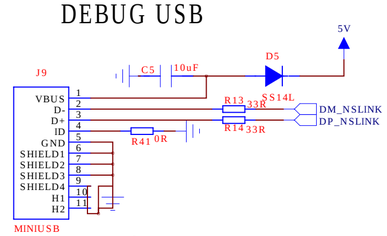
USB2 OTG



NS-LINK



DEBUG USB



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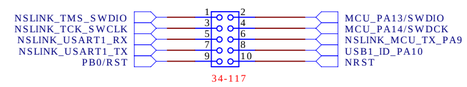
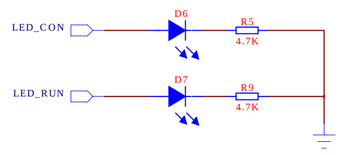


LED



TITLE:	N32H787_HMI
SIZE: A2	REV: V1.1
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MCU

U1

N32H787XIB7

BOOT0

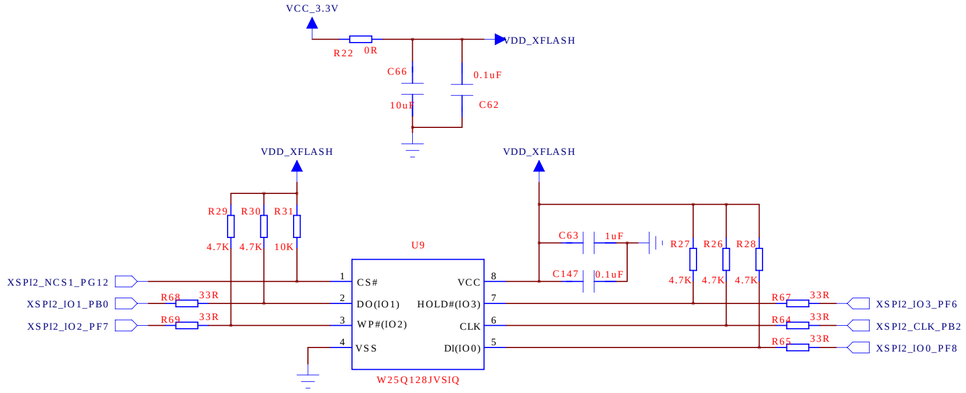
25M Crystal

32.768K Crystal

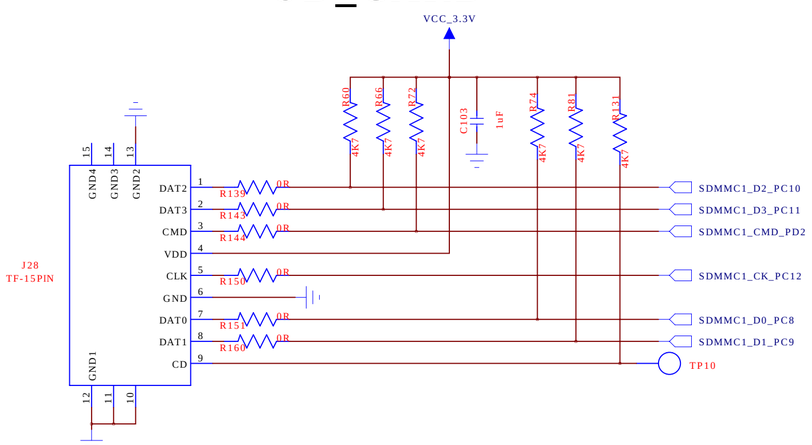
TP_GND

TITLE:	N32H787_HMI
SIZE: A2	REV: V1.1
DATED: 2025-09-03	SHEET: 2 OF 5

XSPI2 FLASH



SD_CARD



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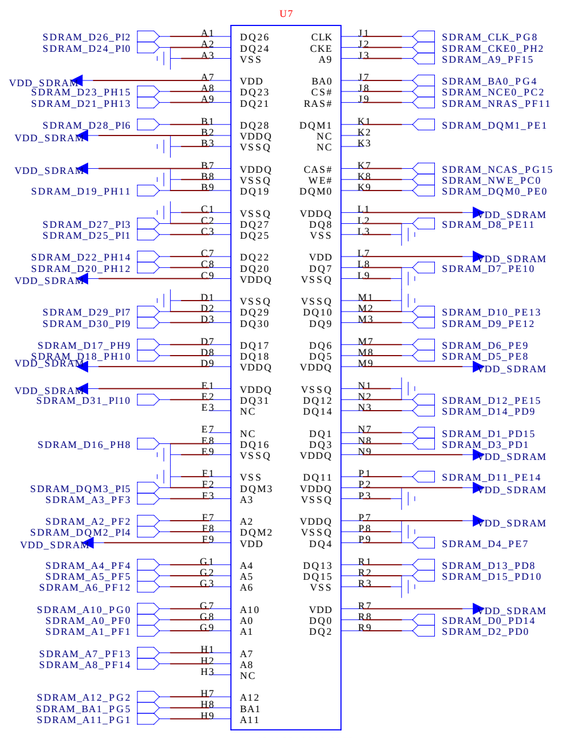
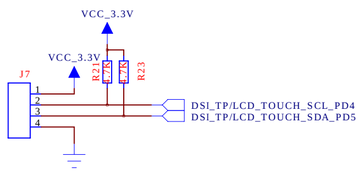
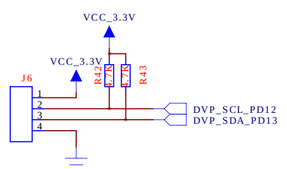


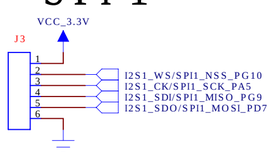
I2C1



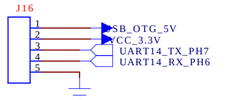
I2C4



SPI 1

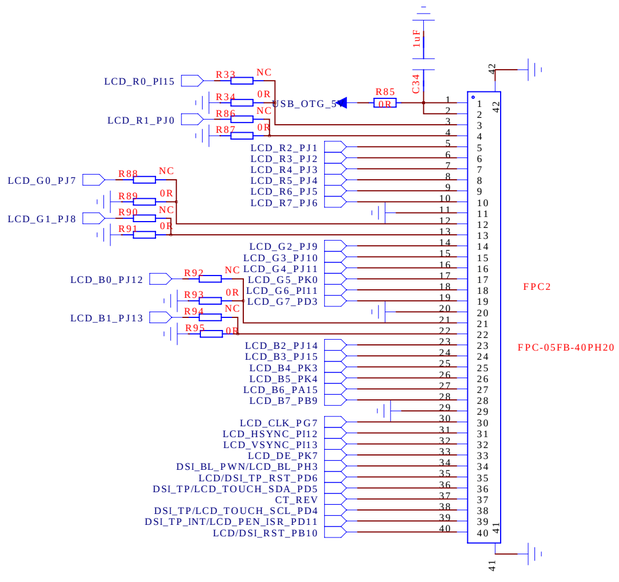


UART

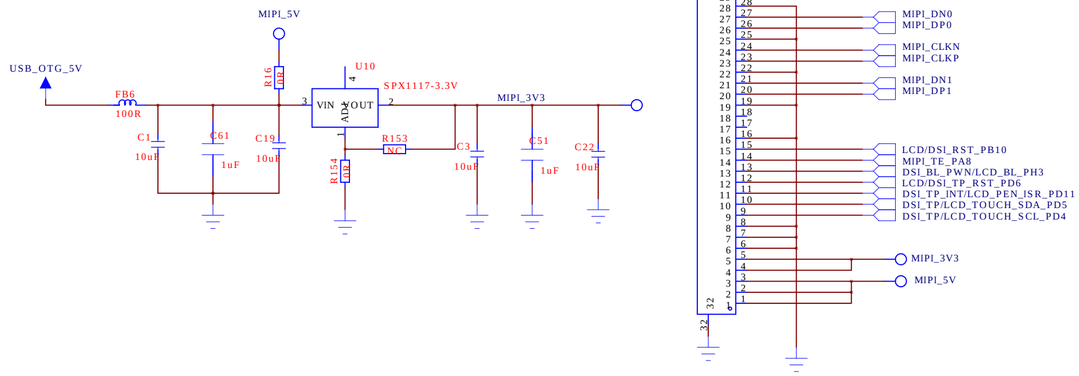


TITLE:	N32H787_HMI
SIZE: A2	REV: V1.1
DATED: 2025-09-03	SHEET: 3 OF 5

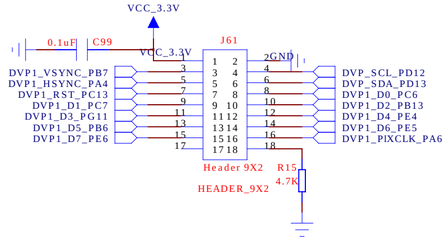
RGB LCD



MIPI LCD



DVP1



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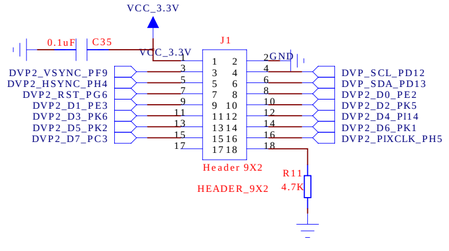
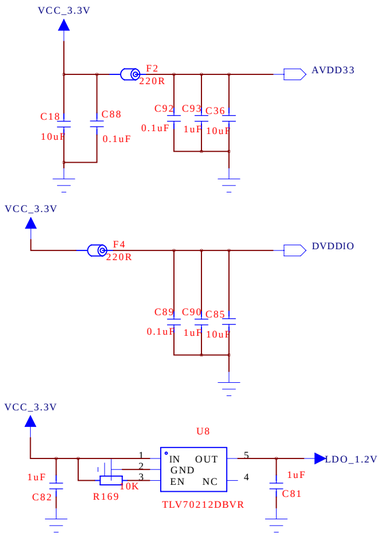
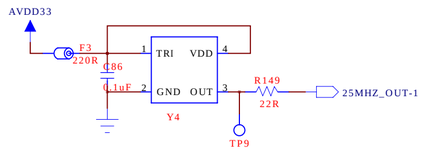


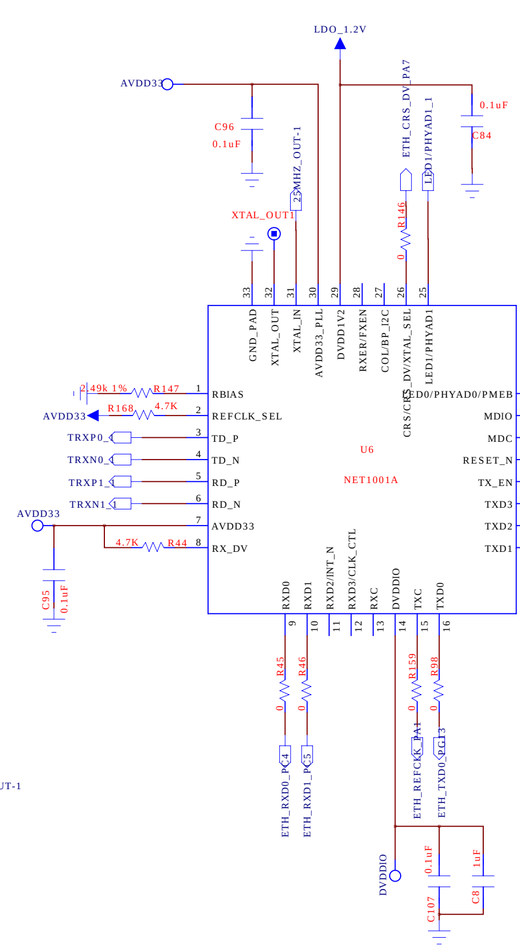
TITLE:	N32H787_HMI		
SIZE:	A2	REV:	V1.1
DATED:	2025-09-03	SHEET:	4 OF 5

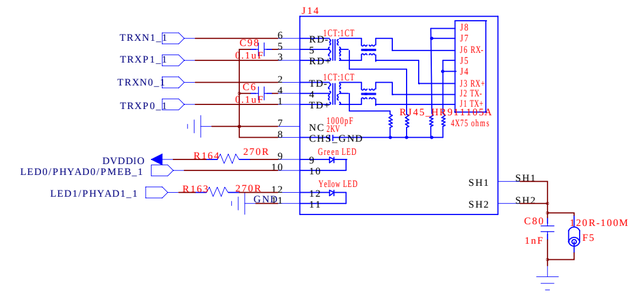
ETH

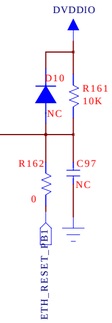


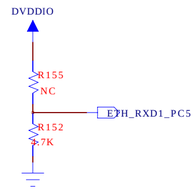
25MHZ OUT

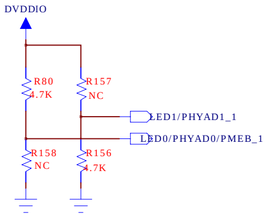






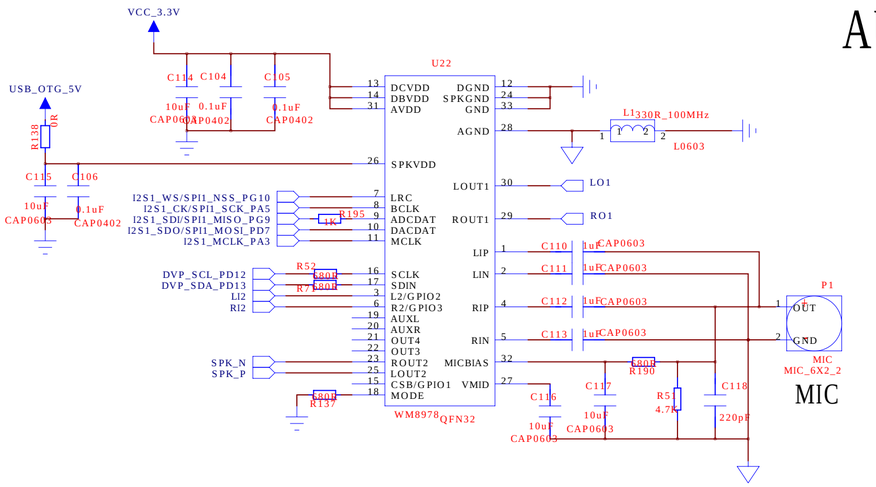






LED1 LED0 =01, PHY=1

AUDIO CODEC



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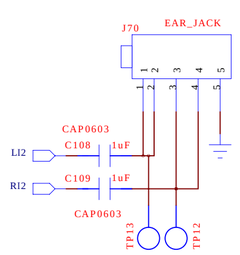
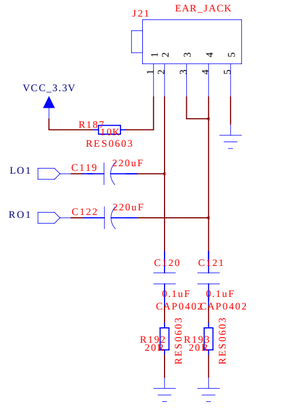


AUDIO OUTPUT



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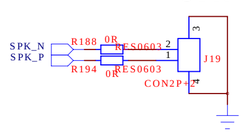

TITLE:	N32H787_HMI
SIZE: A2	REV: V1.1
DATED: 2025-09-03	SHEET: 5 OF 5