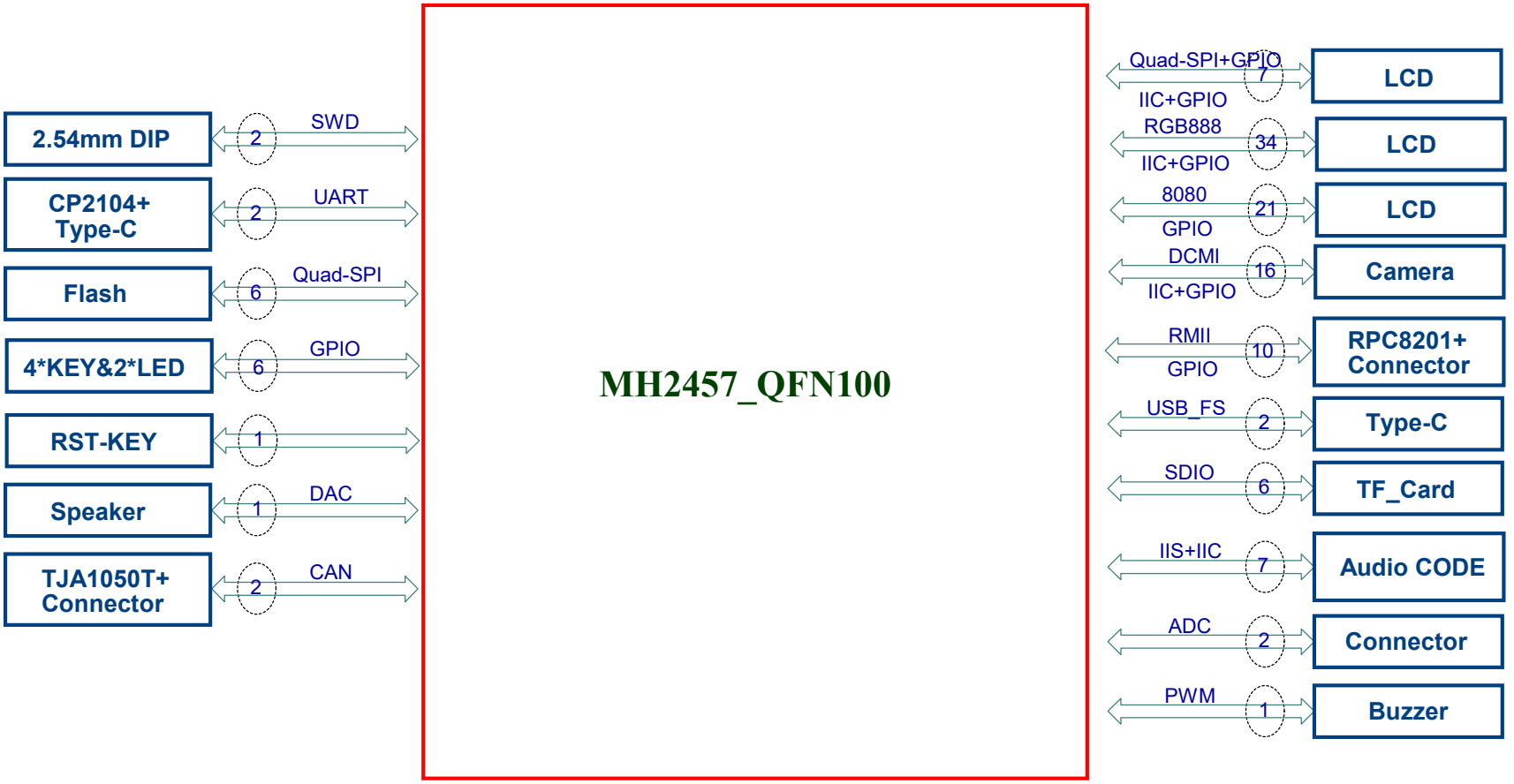
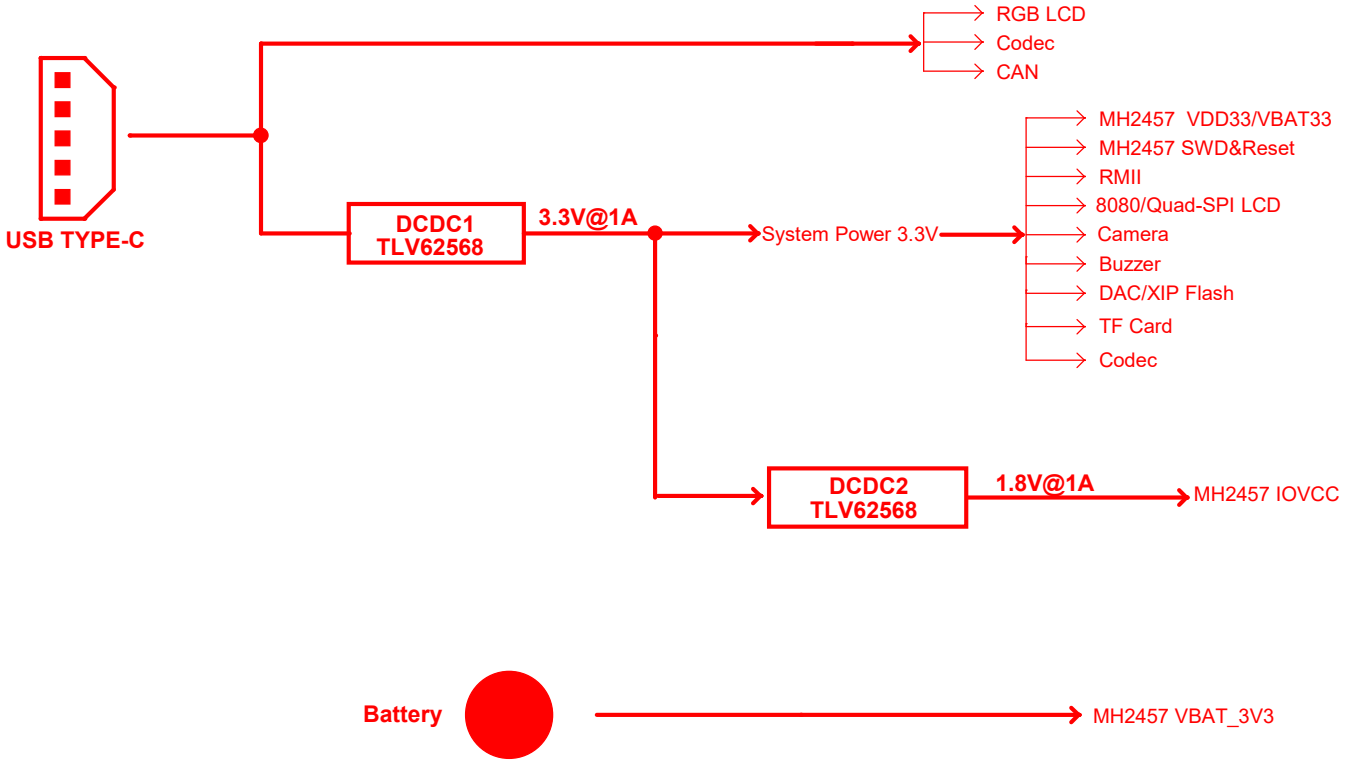
# Block Diagram




| | | |
|---|---|---|
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| Title | MH2457_QFN100_EVB_V1.11: Block Diagram | |
| Size B | Document Number MH-HW-xx-xxxx | Rev V1.11 |
| Date: Wednesday, February 04, 2026 | Sheet 2 of 9 | |

# Power Supply Block

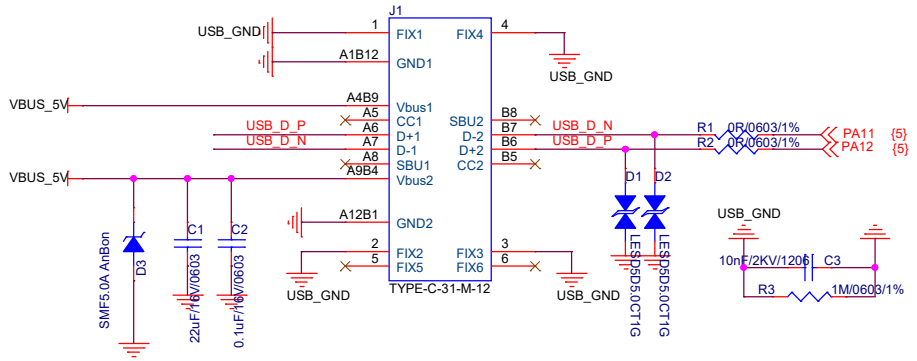




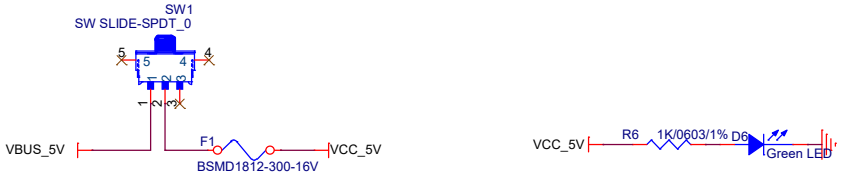
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| | | |
|---|---|---|
| Title | MH2457_QFN100_EVB_V1.11:Power Tree | |
| Size B | Document Number MH-HW-xx-xxxx | Rev V1.11 |
| Date: Wednesday, February 04, 2026 | Sheet 3 of 9 | |

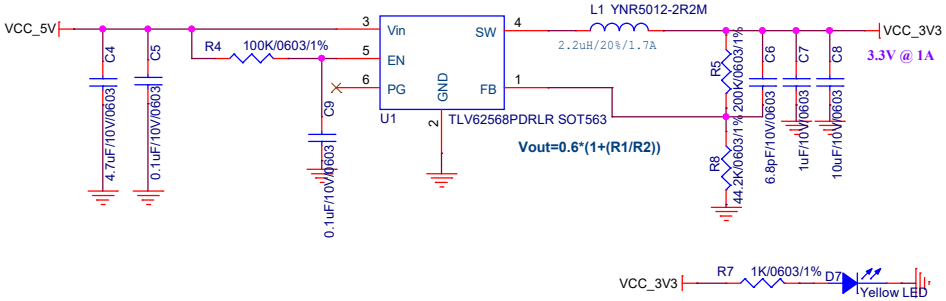
# Power IN/USB FS



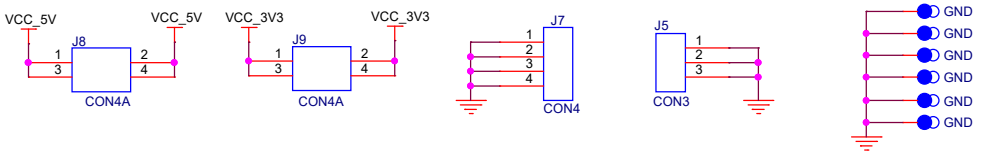

# Power On/Off



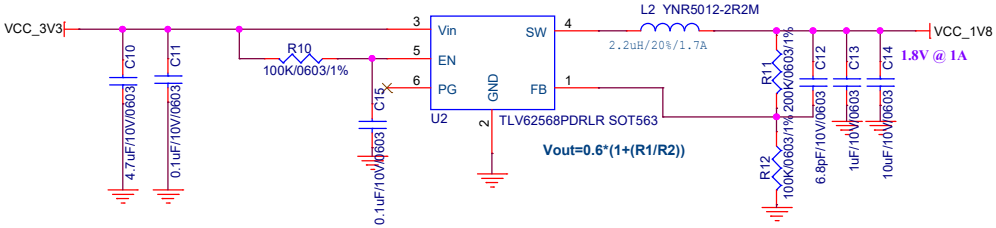

# VCC3V3




# Power TEST




# VCC1V8




# Button



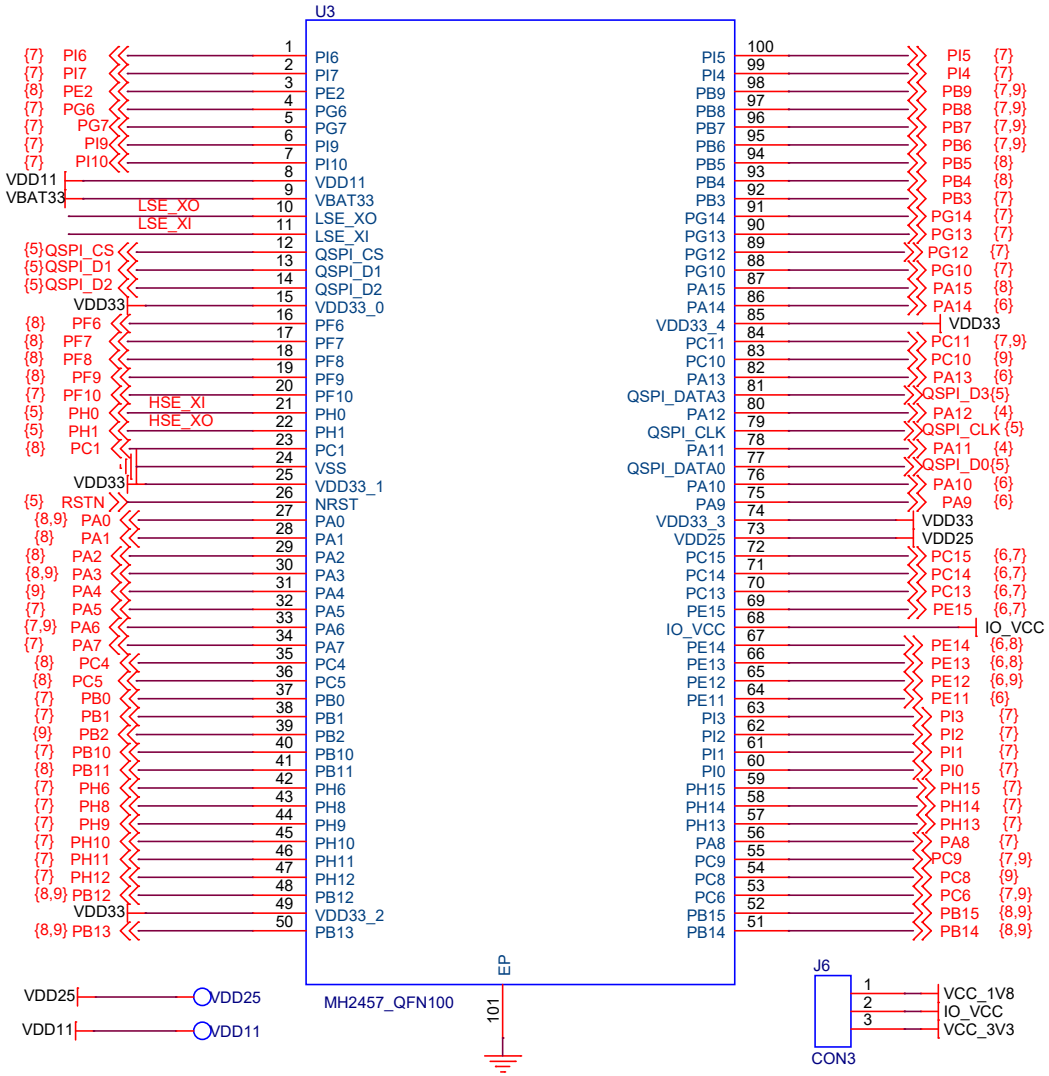




VBAT33供电说明：
1、如使用RTC，VBAT33接纽扣电池(BT1)；
2、如不使用RTC，VBAT33与VDD33短接供电

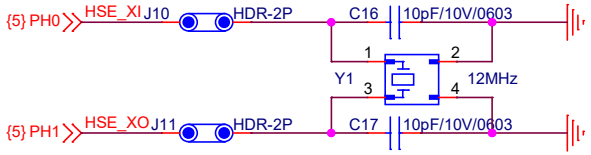
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| Title | MH2457_QFN100_EVB_V1.11: Power | |
| Size B | Document Number MH-HW-xx-xxxx | Rev V1.11 |
| Date: Wednesday, February 04, 2026 | Sheet 4 of 9 | |

# MH2457_QFN100 Circuit

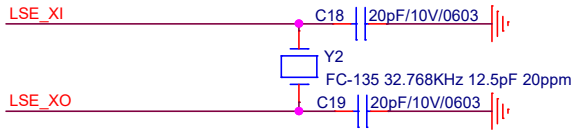



VDD11和VDD25为内部LDO输出，紧贴芯片放置1uF电容

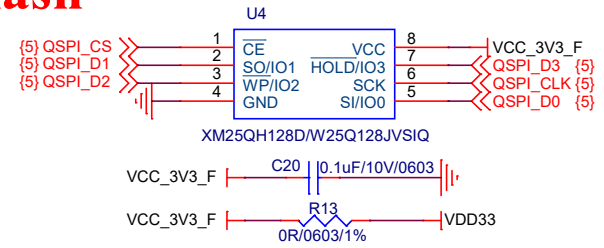
# HSE




# LSE

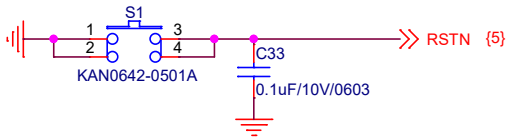



# XIP Flash




XIP的QSPI Flash必须要有，用来跑程序

# RST



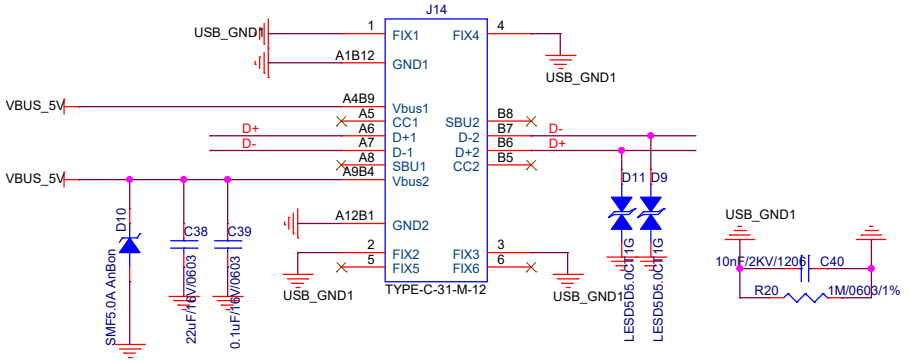


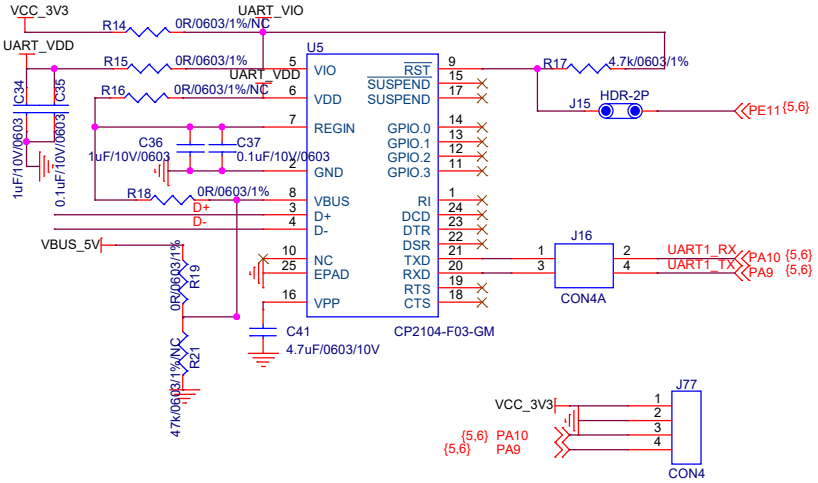
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| | | |
|---|---|---|
| Title | MH2457_QFN100_EVB_V1.11: MH2457 Circuit | |
| Size: Custom | Document Number: MH-HW-xx-xxxx | Rev: V1.11 |
| Date: Wednesday, February 04, 2026 | Sheet 5 of 9 | |

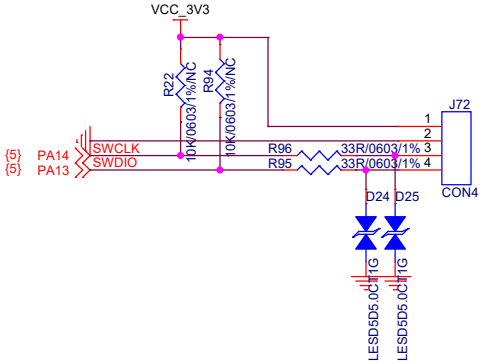
# USB To UART



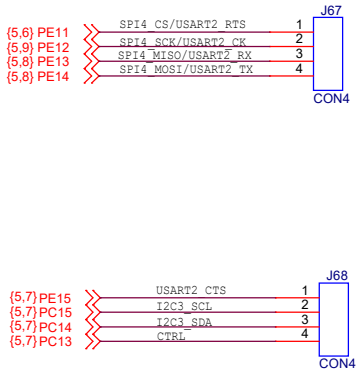




**PA9、PA10是串口下载和调试接口，需预留测试点**

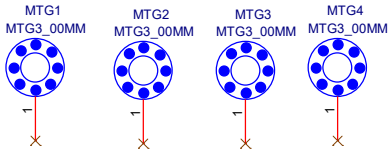
# SWD




# TEST PIN




# Mounting Hole

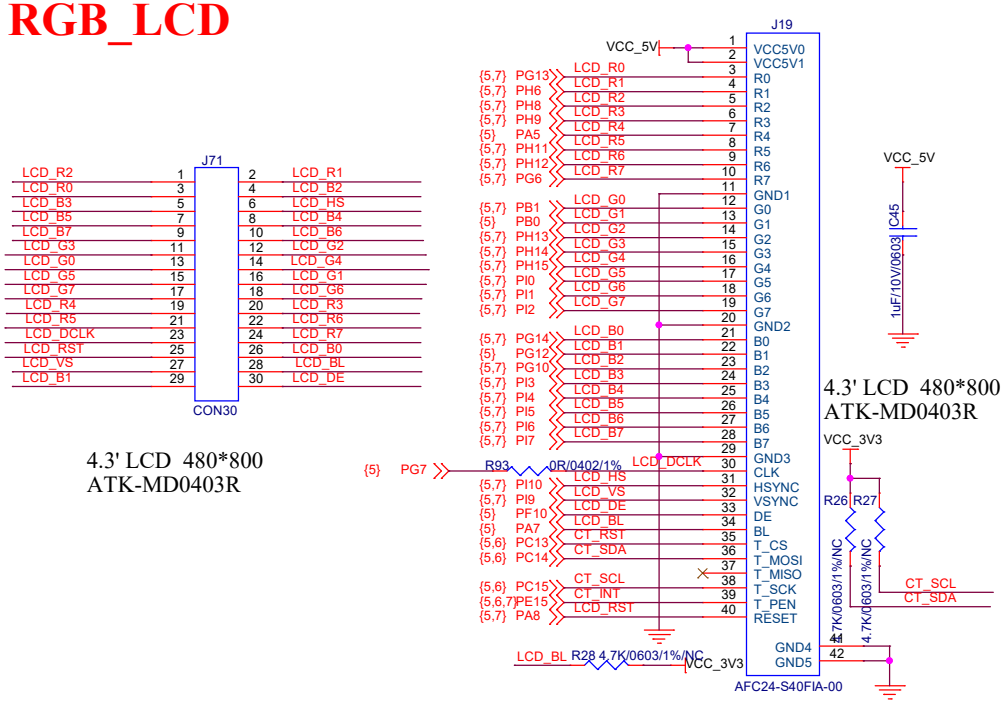




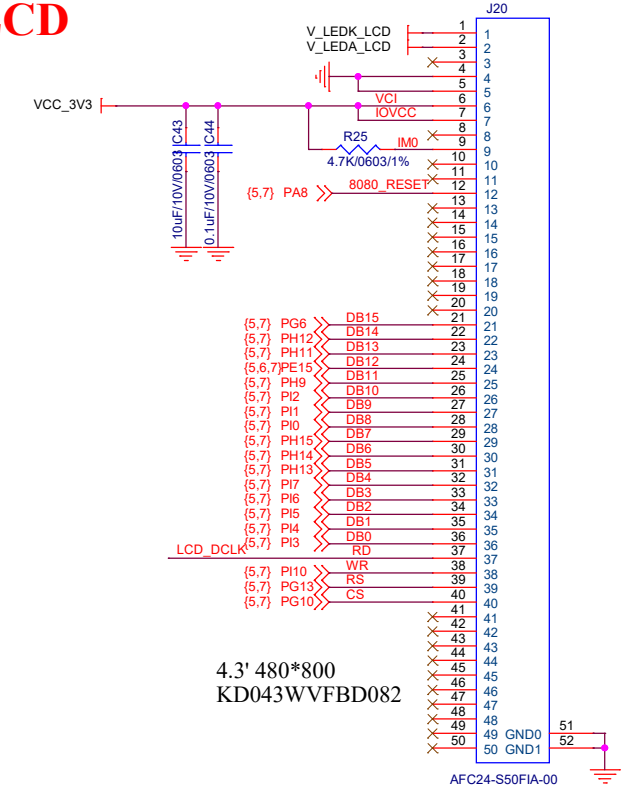
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| | | |
|---|---|---|
| Title | MH2457_QFN100_EVB_V1.11:UART&SWD/TEST PIN | |
| Size B | Document Number MH-HW-xx-xxxx | Rev V1.11 |
| Date: Wednesday, February 04, 2026 | Sheet 6 of 9 | |

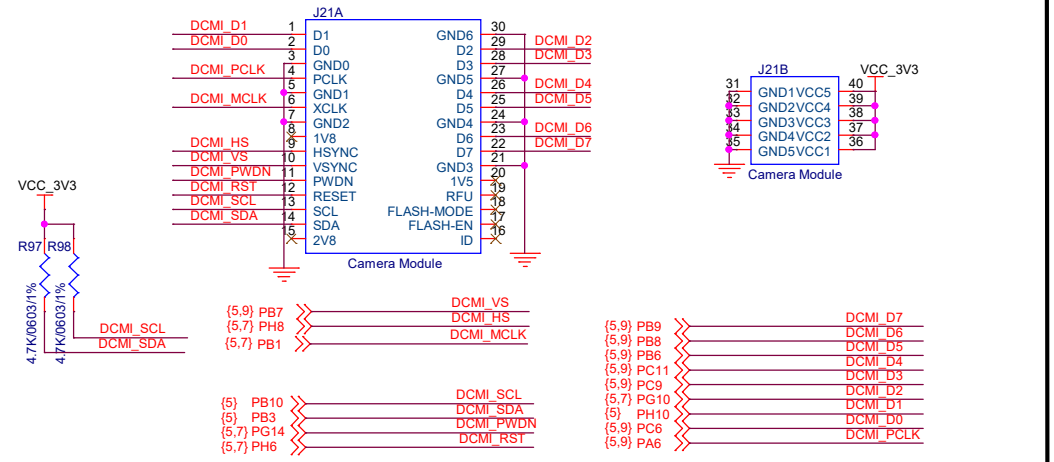
# RGB_LCD



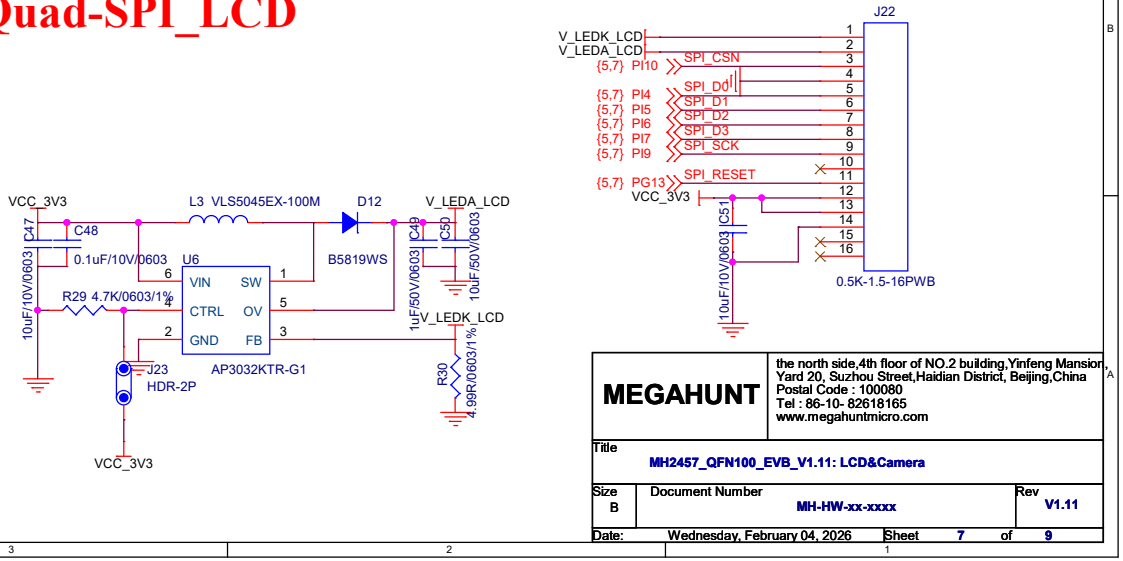

# 8080_LCD




# DCMI_Camera

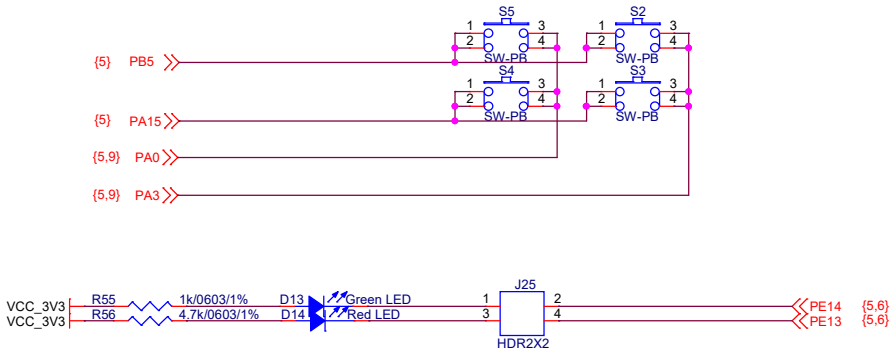



# Quad-SPI_LCD

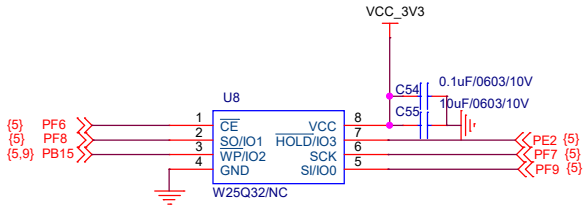



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| Title | MH2457_QFN100_EVB_V1.11: LCD&Camera | | |
| Size B | Document Number MH-HW-xx-xxxx | | Rev V1.11 |
| Date: Wednesday, February 04, 2026 | Sheet 7 of 9 | | |

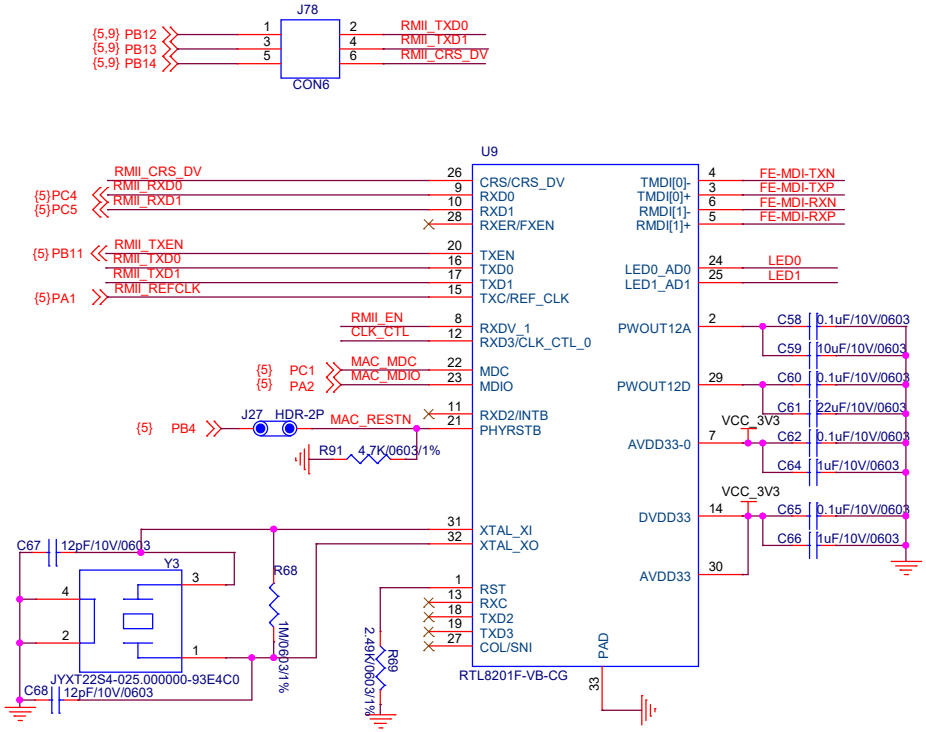
# Keyboard/LED

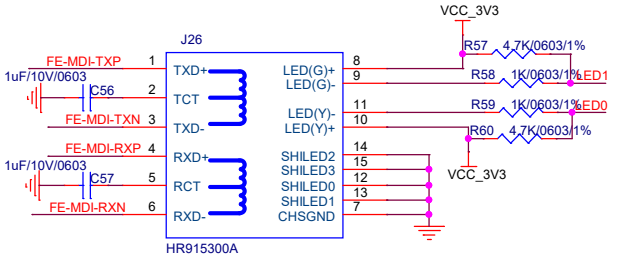


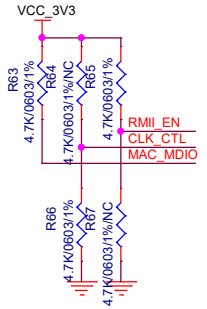

# Quad-SPI Flash




# Ethernet

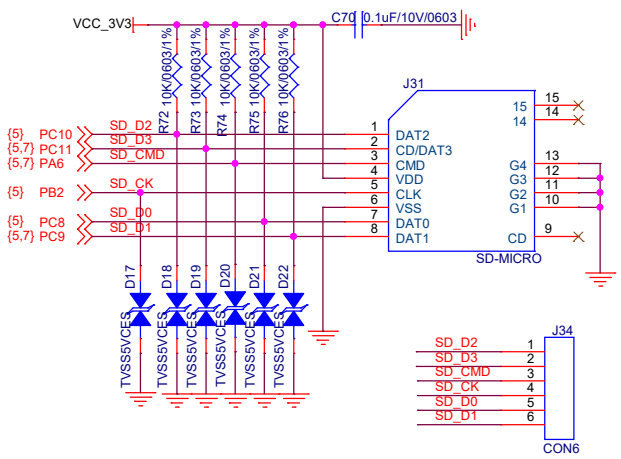


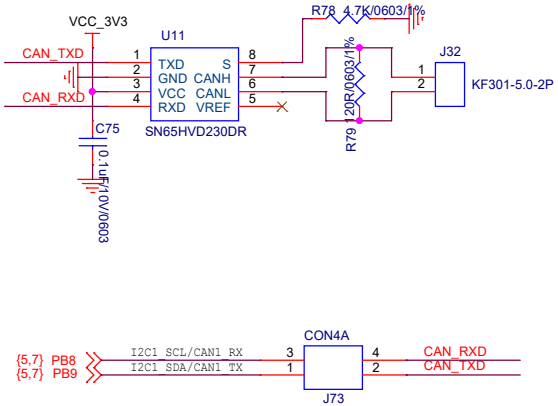




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| Title | MH2457_QFN100_EVB_V1.11:Key/LED/Flash/Etherne | |
| Size B | Document Number MH-HW-xx-xxxx | Rev V1.11 |
| Date: Wednesday, February 04, 2026 | Sheet 8 of 9 | |

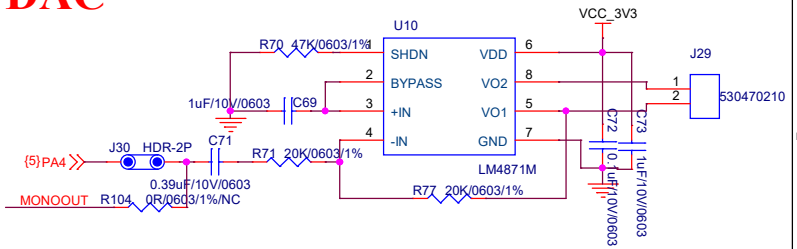
# TF Card



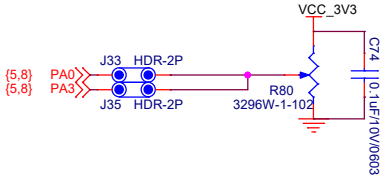

# CAN



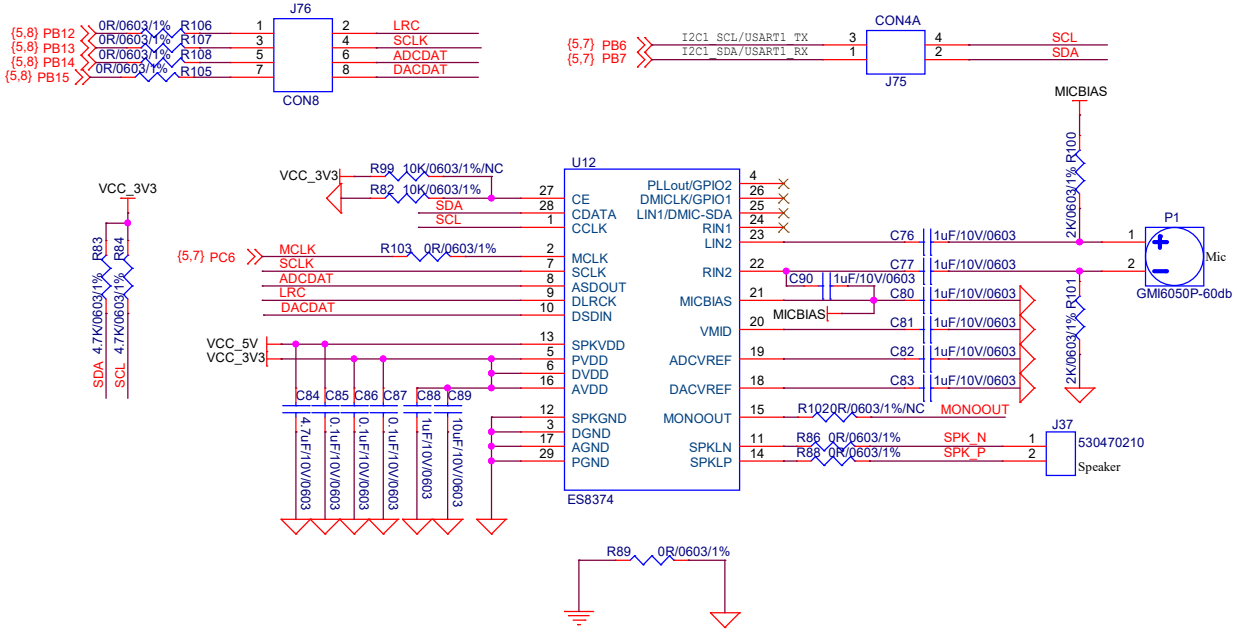

# DAC



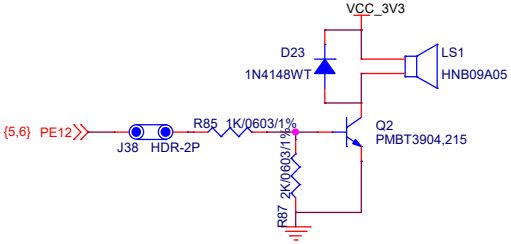

# ADC




# Codec




# Buzzer




| | | |
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| Title | MH2457_QFN100_EVB_V1.11: TF Card/Audio/ADC/CAN | |
| Size B | Document Number MH-HW-xx-xxxx | Rev V1.11 |
| Date: Wednesday, February 04, 2026 | Sheet 9 of 9 | |