

修订历史	
内容	时间
HPM6E00_ADC_EVK_RevC	20240917

System Block Diagram  先楫半导体

Sheet File:

Title: HPM6E00ADCEVKRevC

Size: A4 Date: 2024-09-17 Rev: RevC

KiCad E.D.A. kicad 7.0.9

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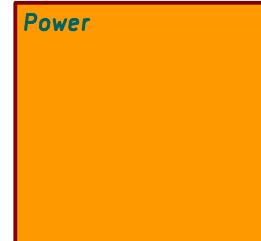
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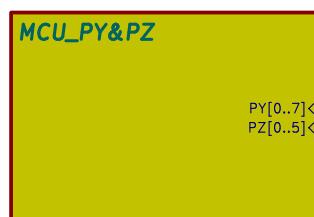
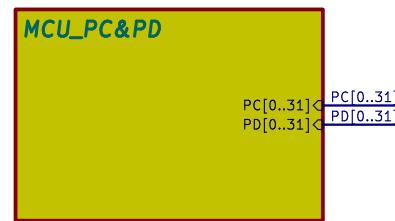
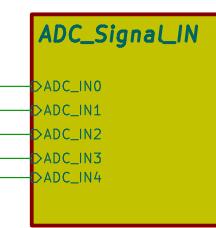
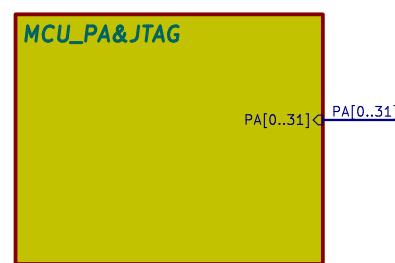
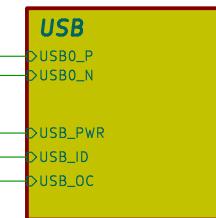
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USBO_P → USBO_P
USBO_N ← USBO_N

PF18 → USB_PWR
PF22 → USB_ID
PF23 → USB_OC



MAINENTRY



Sheet File: HPM6E00ADCEVKRevC MAINENTRY

Title: HPM6E00ADCEVKRevC

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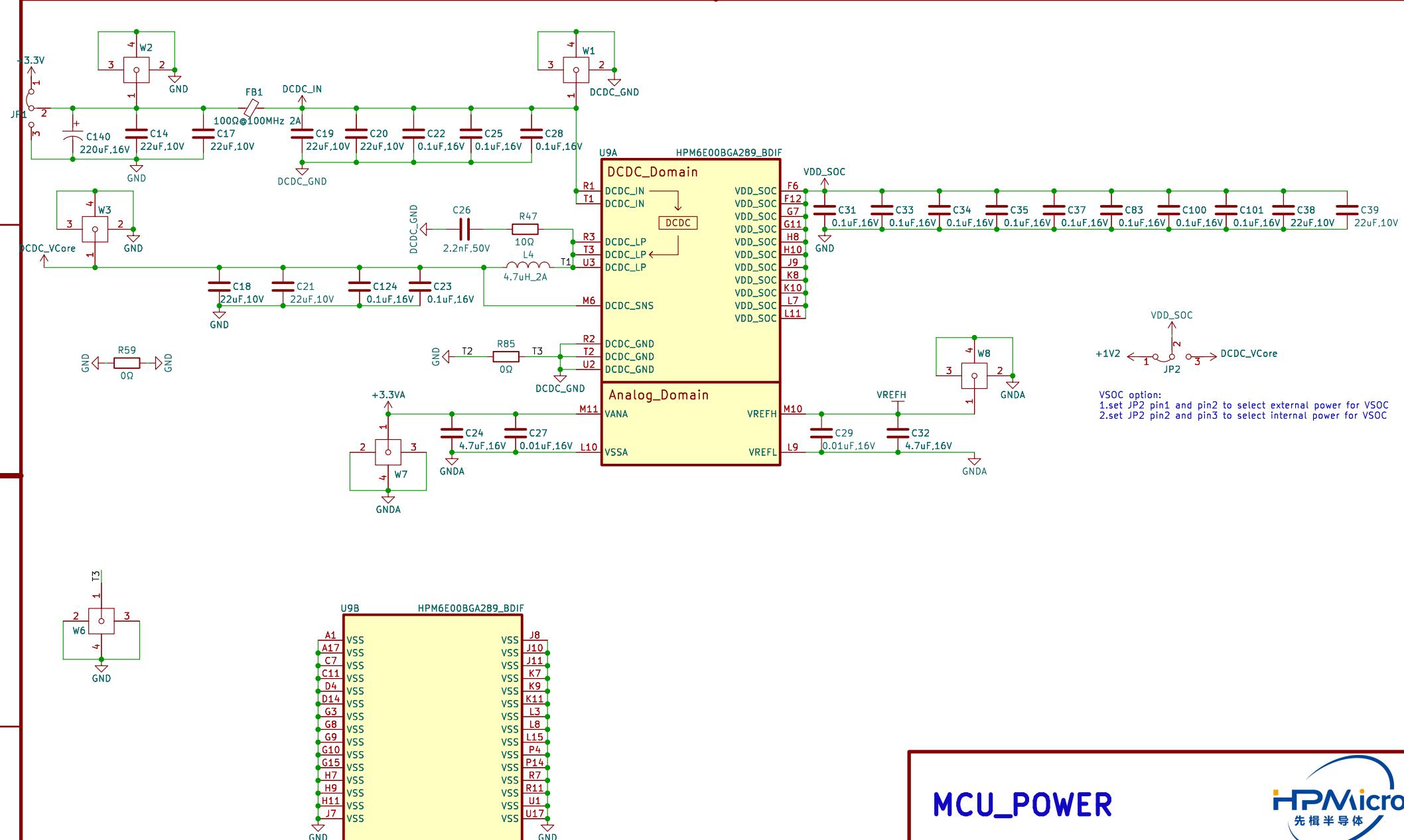
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MCU_POWER



Sheet File: MCU_POWER

Title: HPM6E00ADCEVKRevC

Size: A4 Date: 2024-09-17 Rev: RevC

KiCad E.D.A. kicad 7.0.9

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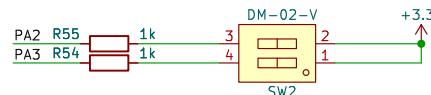
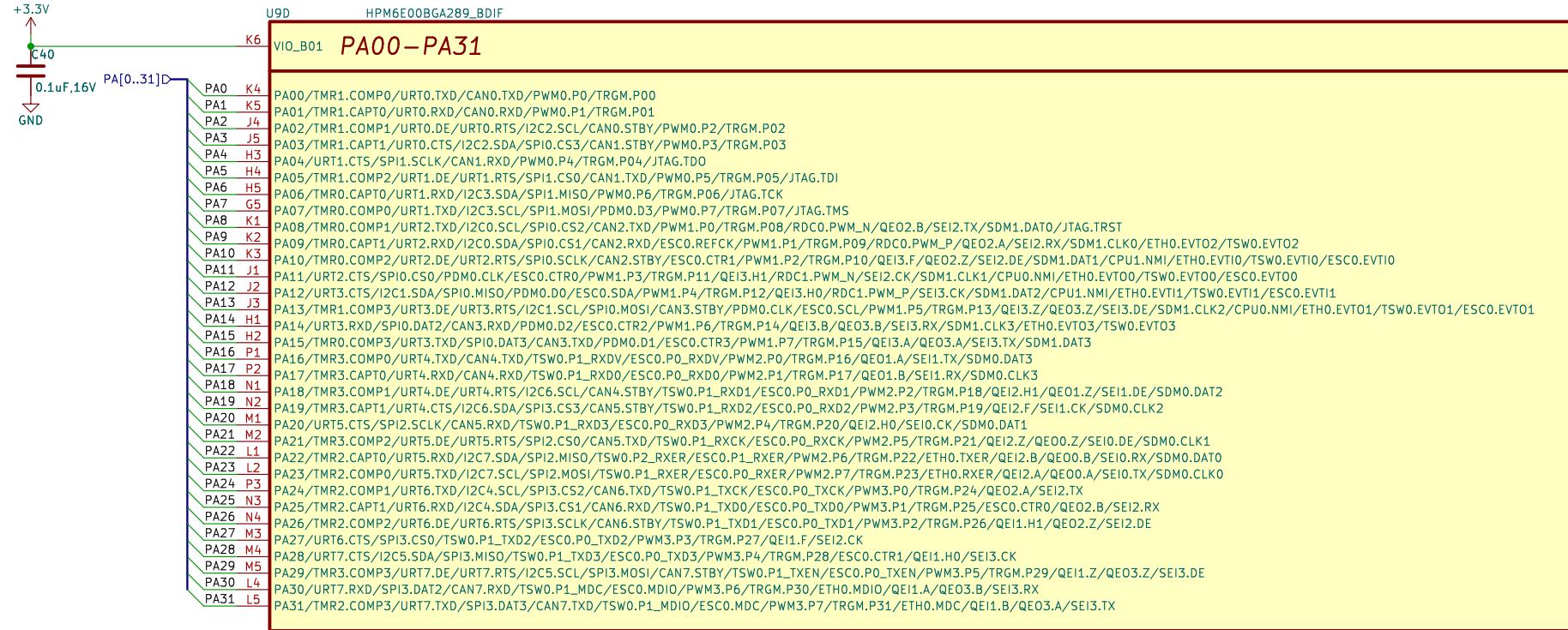
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MCU_PA&JTAG



Sheet File: MCU_PA&JTAG

Title: HPM6E00ADCEVKRevC

Size: A4 Date: 2024-09-17

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KiCad E.D.A. kicad 7.0.9

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A4

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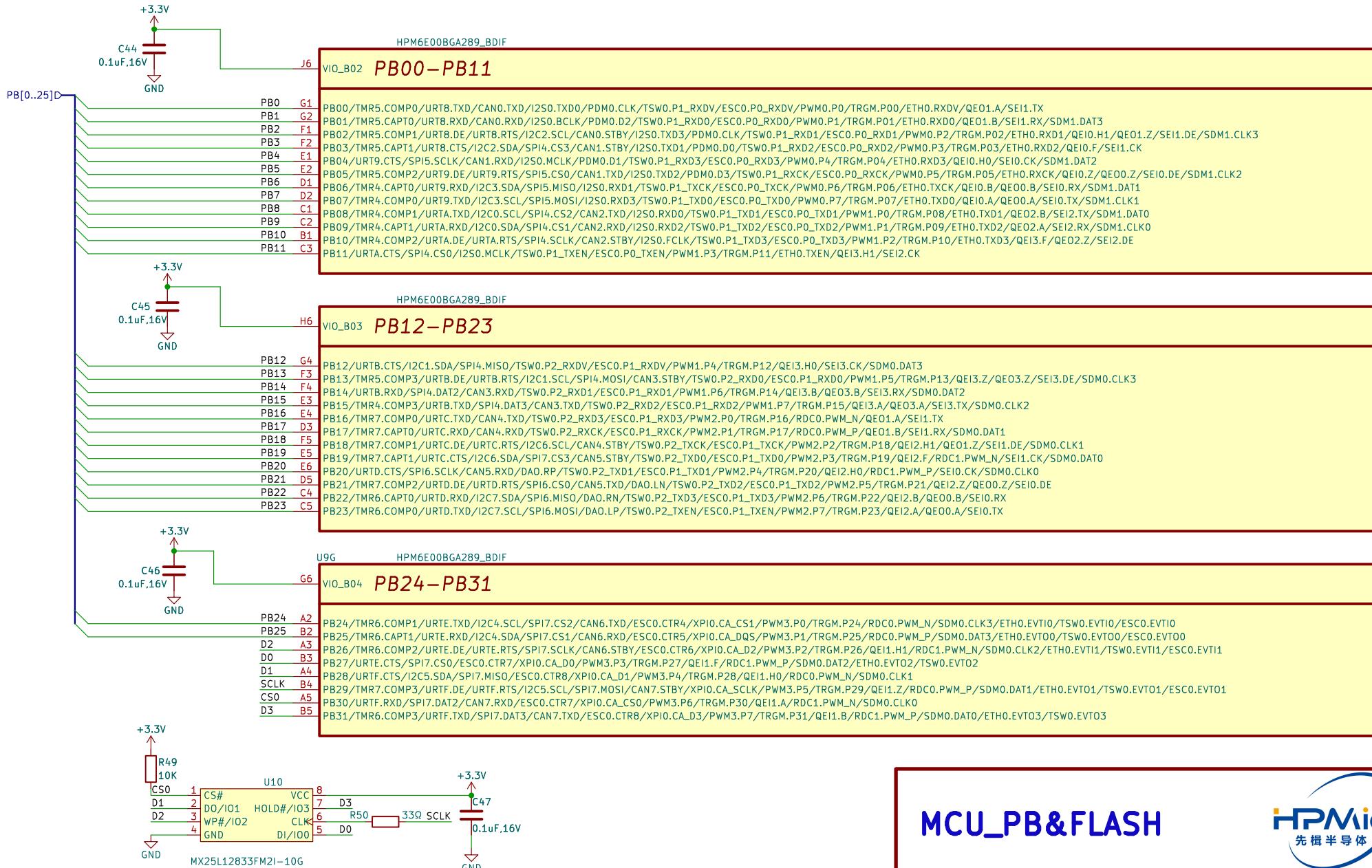
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MCU_PB&FLASH



Sheet File: MCU_PB&FLASH

Title: HPM6E00ADCEVKRevC

Size: A4 Date: 2024-09-17 Rev: RevC

KiCad E.D.A. kicad 7.0.9

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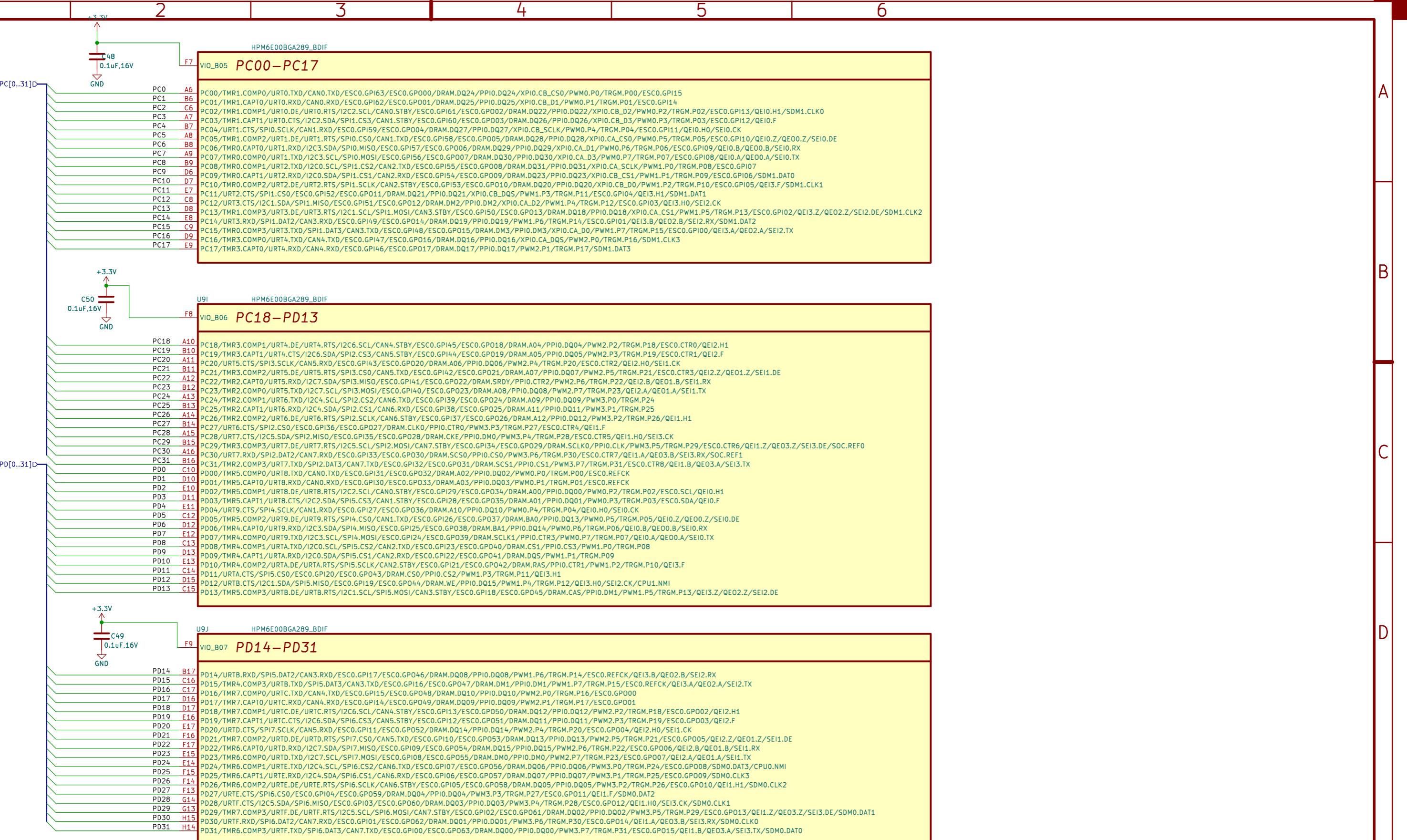
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MCU_PC&PD



Sheet File: MCU_PC&PD

Title: HPM6E00ADCEVKRevC

Size: A3 Date: 2024-09-17 Rev: RevC

KiCad E.D.A. kicad 7.0.9

Id: 6/16

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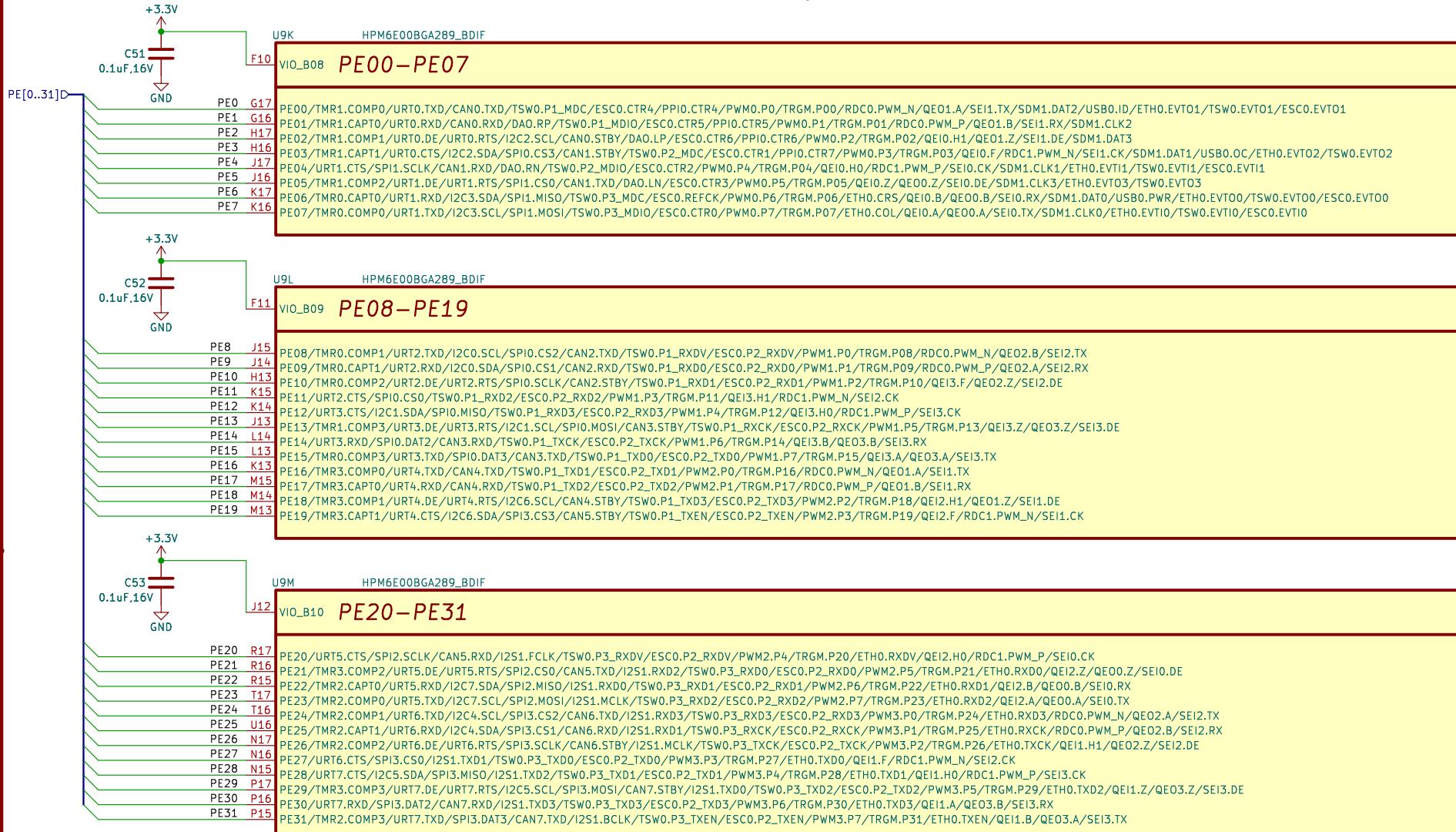
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MCU_PE



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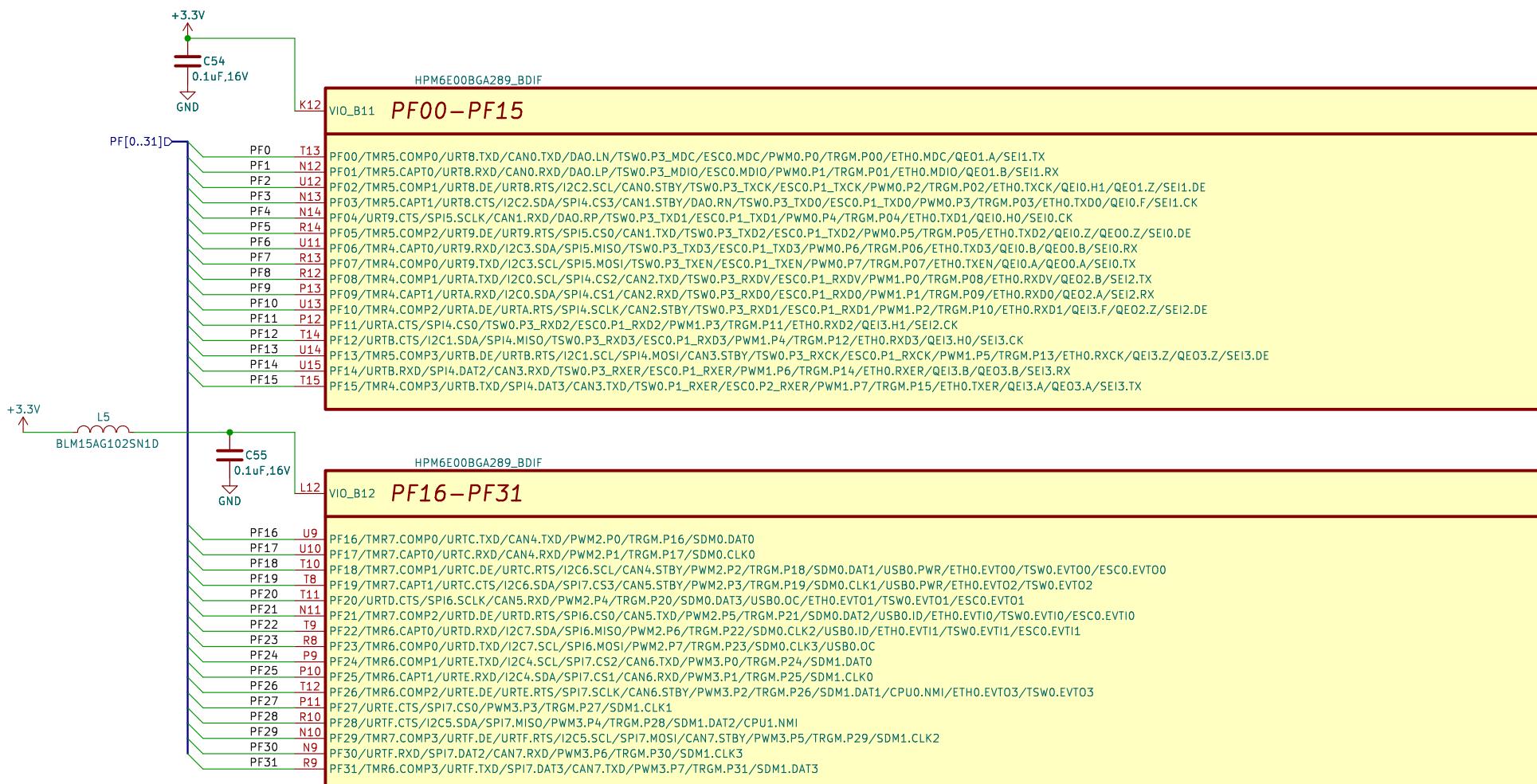
Size: A4 Date: 2024-09-17

Rev: RevC

KiCad E.D.A. kicad 7.0.9

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A4



MCU_PF



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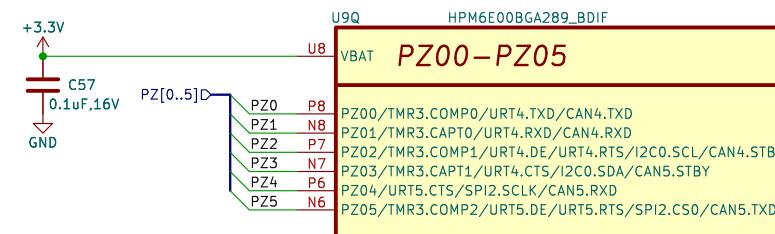
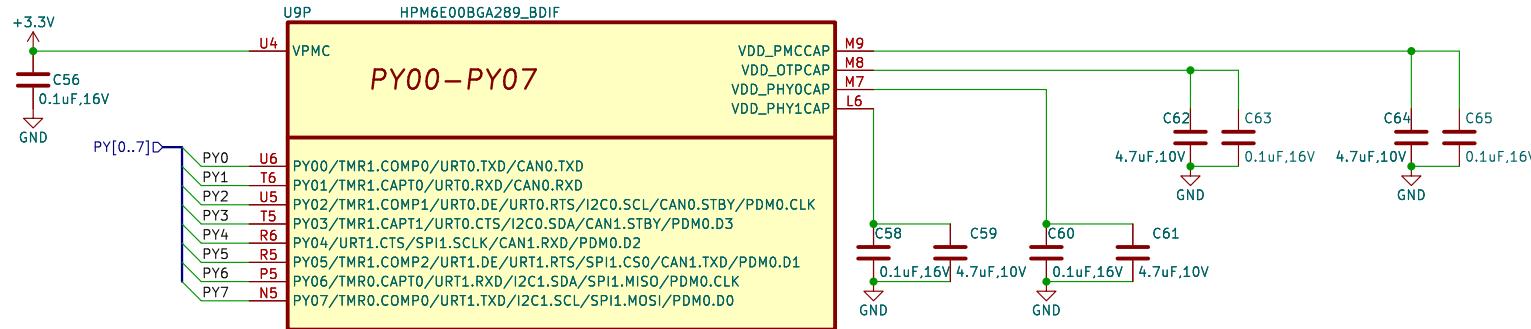
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Size: A4 Date: 2024-09-17

Rev: RevC

KiCad E.D.A. kicad 7.0.9

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MCU_PY&PZ



Sheet File: MCU_PY&PZ

Title: HPM6E00ADCEVKRevC

Size: A4 Date: 2024-09-17 Rev: RevC

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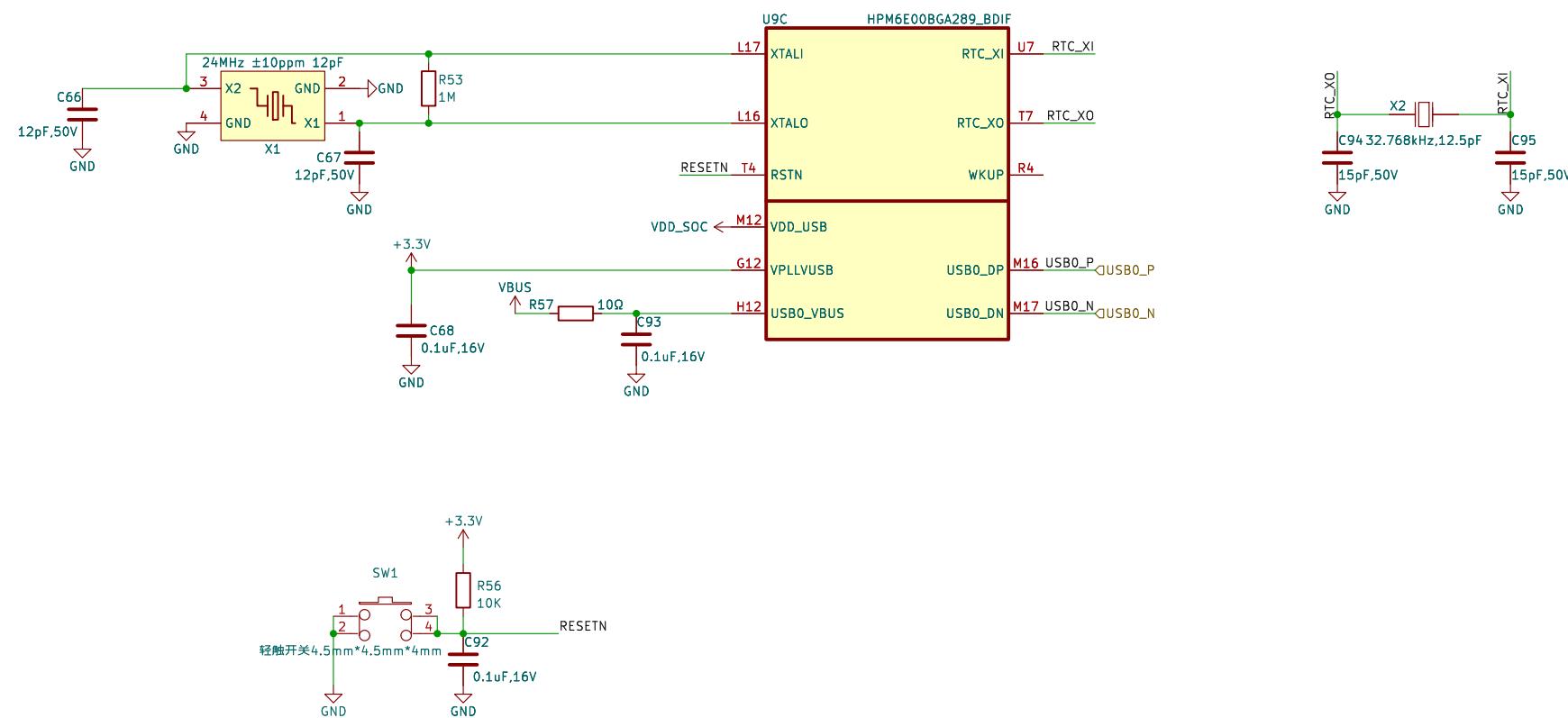
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MCU_USB&OSC



Sheet File: MCU_USB&OSC

Title: HPM6E00ADCEVKRevC

Size: A4 Date: 2024-09-17 Rev: RevC

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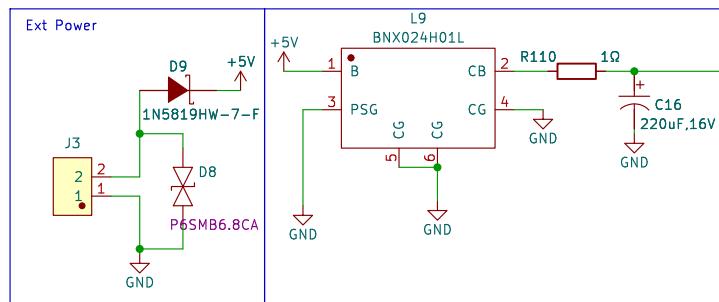
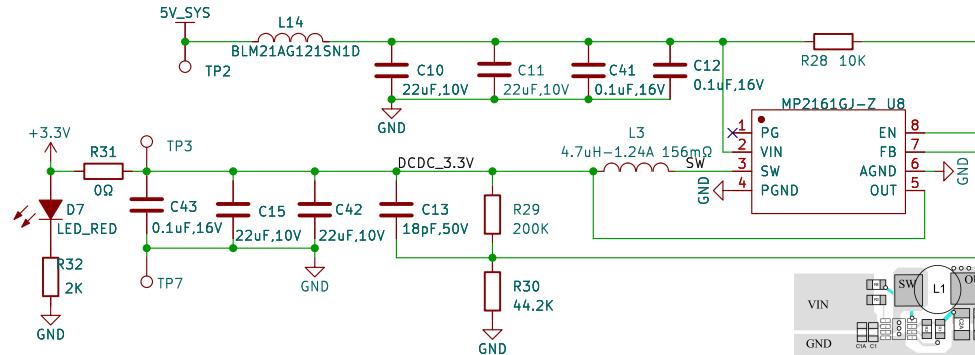
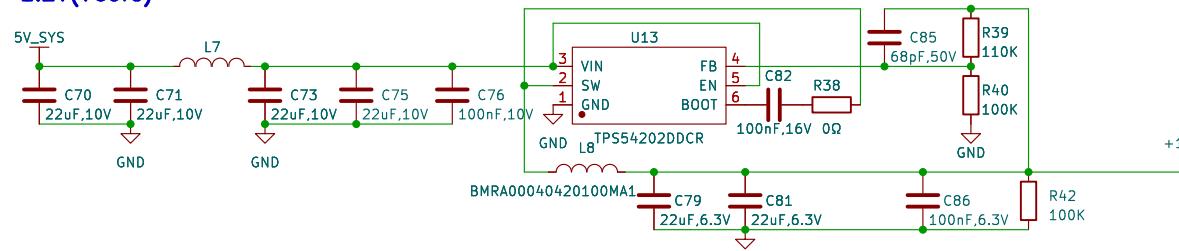
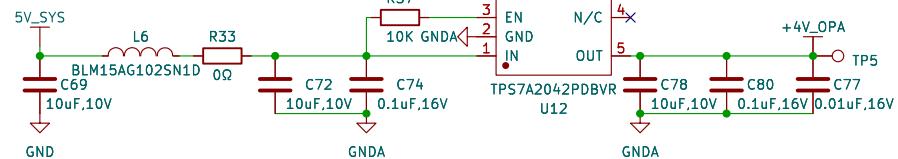
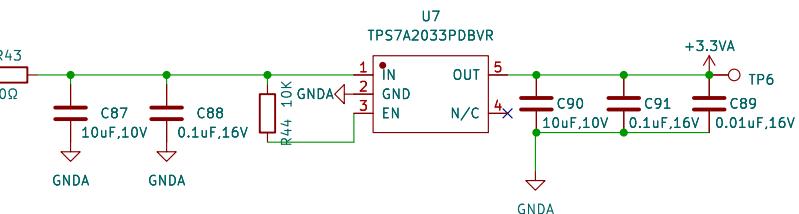
INPUT Filter**DCDC 5V-3.3V**

Figure 3: Recommended PCB Layout

DCDC 5V-1.2V(VCore)**OPA VDD****LDO 5V-3.3V(ADC)****Power**

Sheet File: Power

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1

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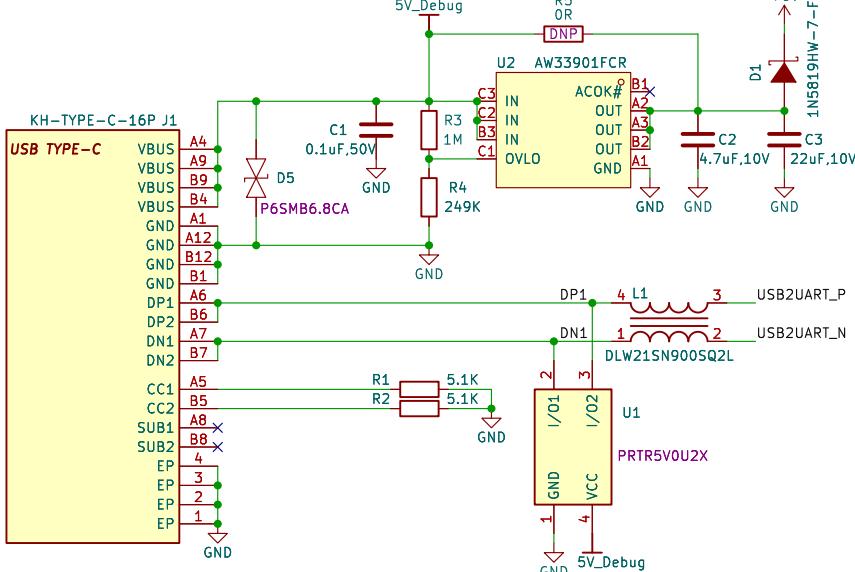
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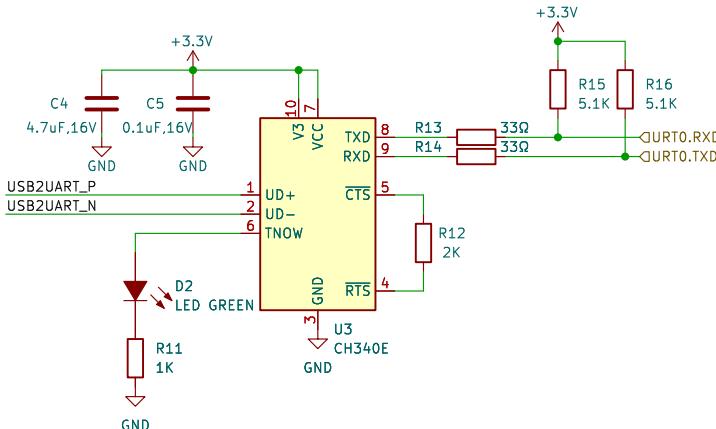
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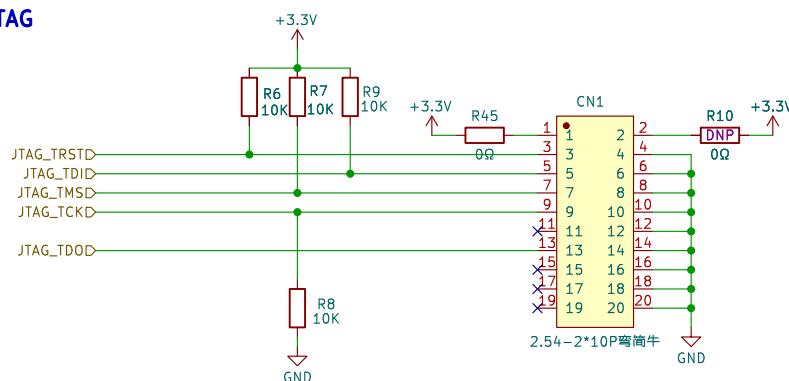
USB2UART Type-C



USB2UART



JTAG



Debug



Sheet File: DEBUG

Title: HPM6E00ADCEVKRevC

Size: A4 Date: 2024-09-17 Rev: RevC

KiCad E.D.A. kicad 7.0.9

A4

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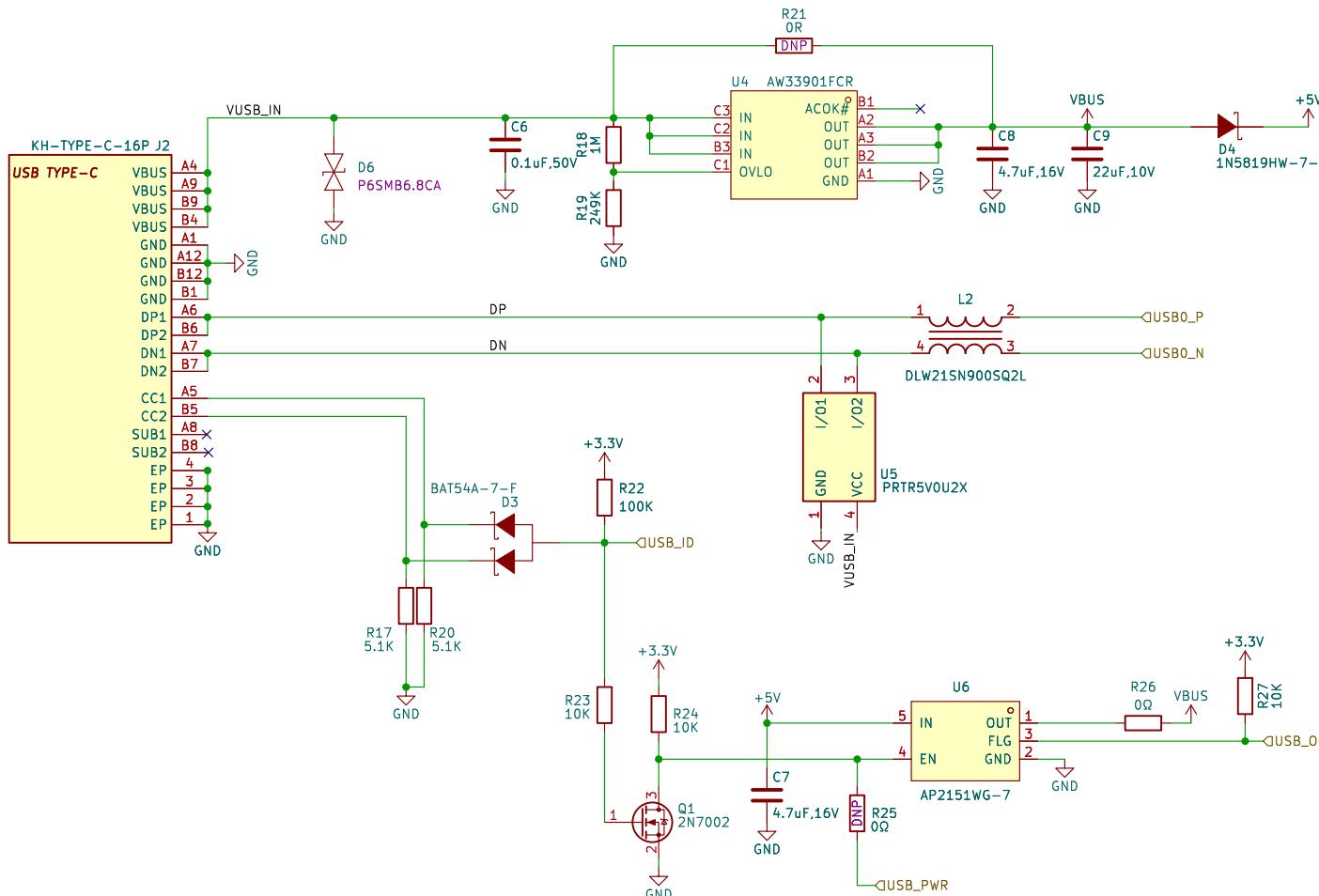
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USB

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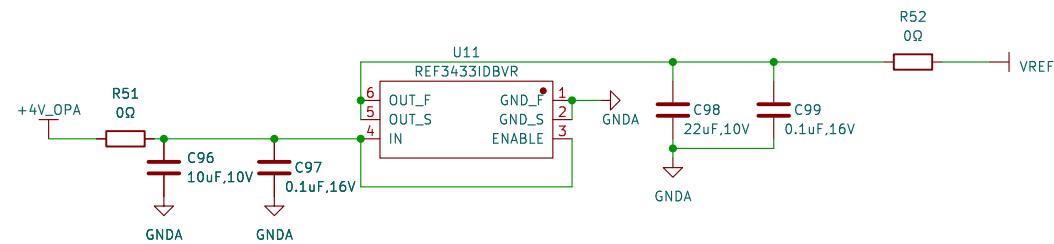
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VREF



Sheet File: VREF

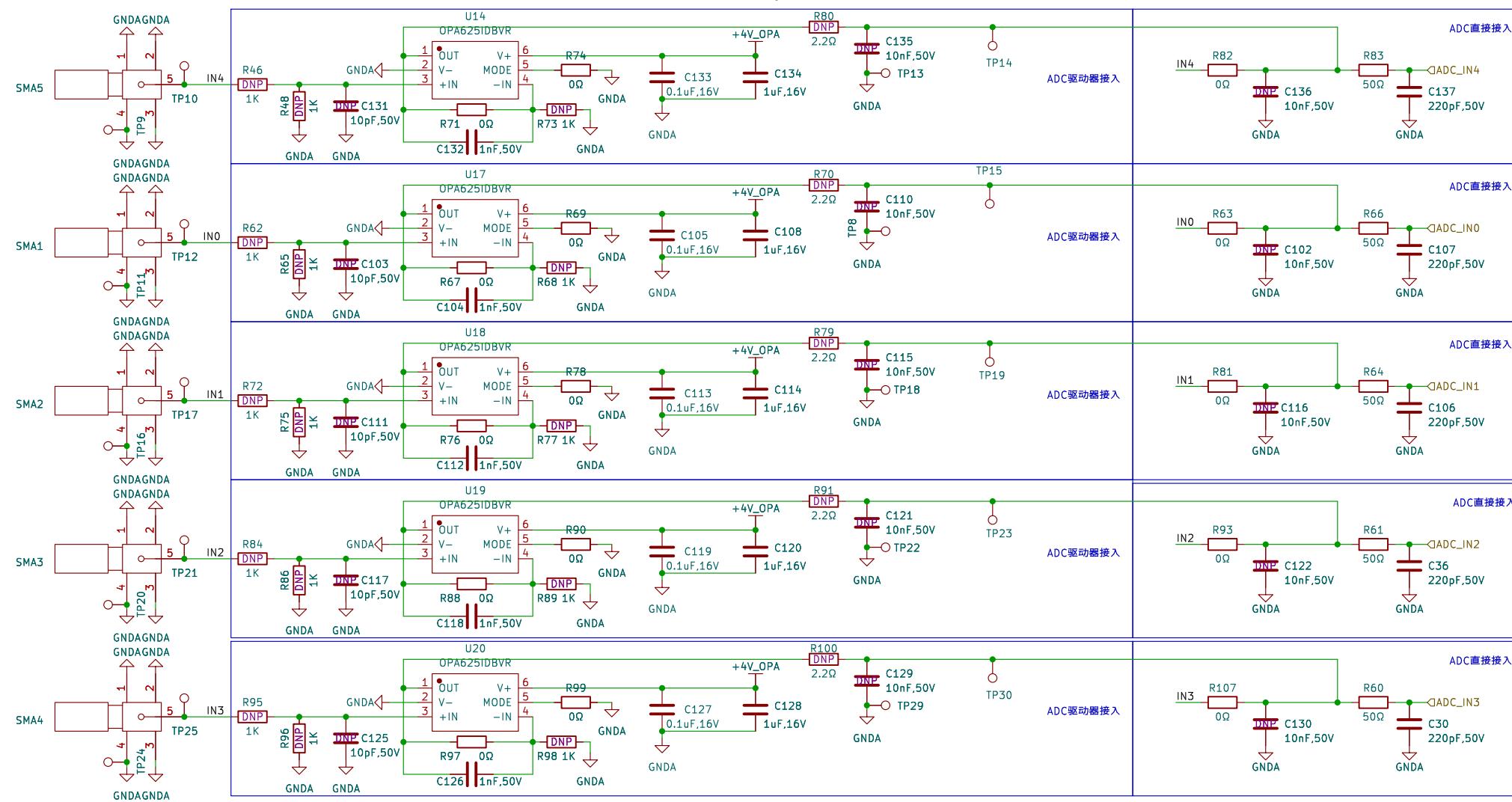
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Size: A4 Date: 2024-09-17 Rev: RevC

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1 2 3 4 5 6



ADC



Sheet File: ADC_Signal_IN

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A4

A

B

C

D



Assembly



Sheet File: Assembly

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