

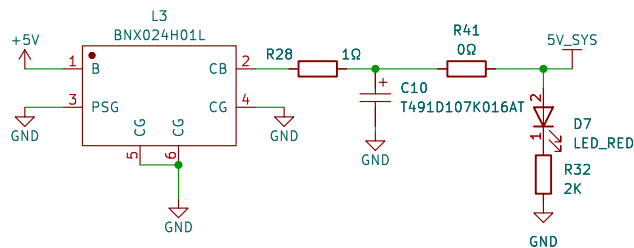
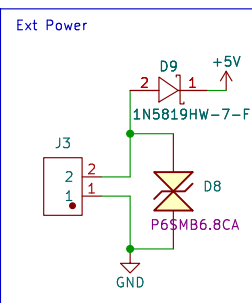
Main



Sheet File:		
Title: HPM6750 ADC EVK		
Size: A4	Date: 2023-5-25	Rev: A
KiCad E.D.A. kicad 7.0.7		Id: 1/8

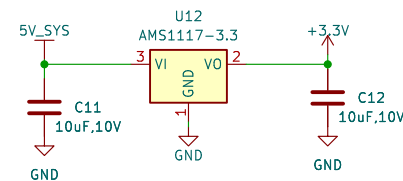
A4

## INPUT Filter

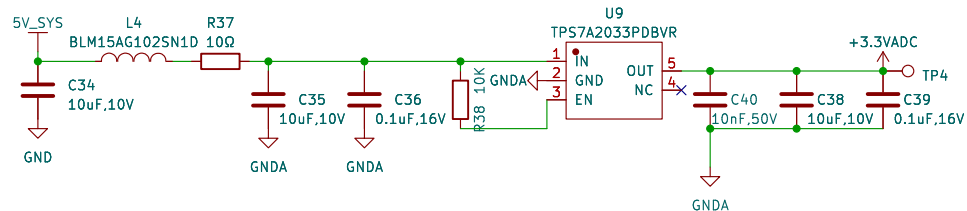


Optional

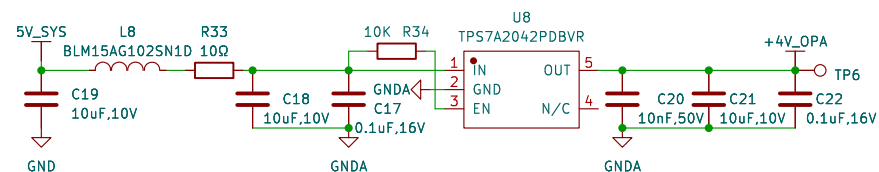
## DCDC 5V-3.3V



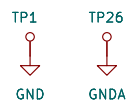
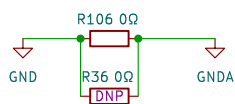
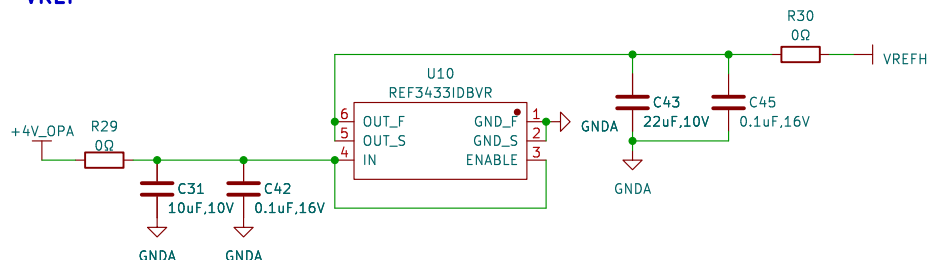
## LDO 5V-3.3V(ADC)



## OPA VDD



## VREF



01-Power



Sheet File: Power

Title: HPM6750 ADC EVK

Size: A4

Date: 2023-5-25

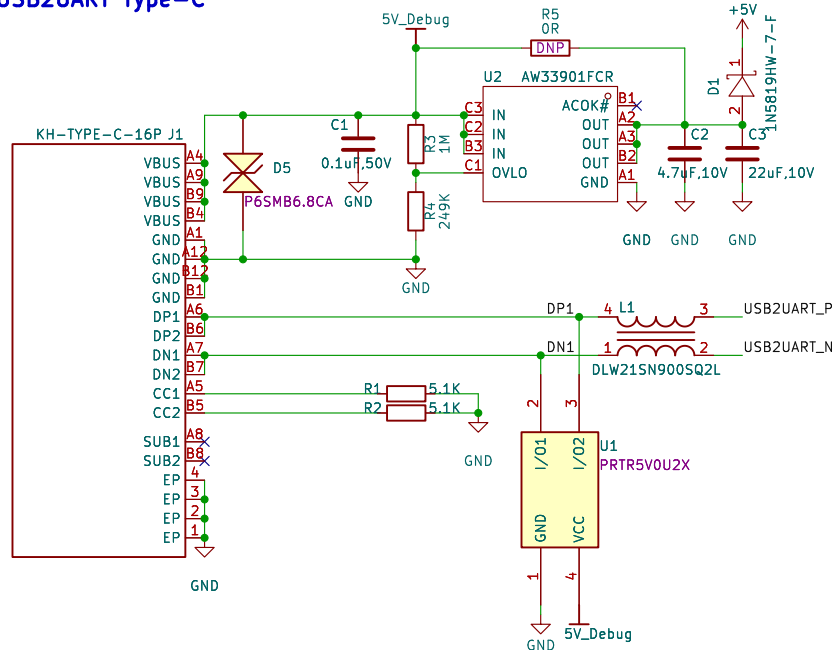
Rev: A

KiCad E.D.A. kicad 7.0.7

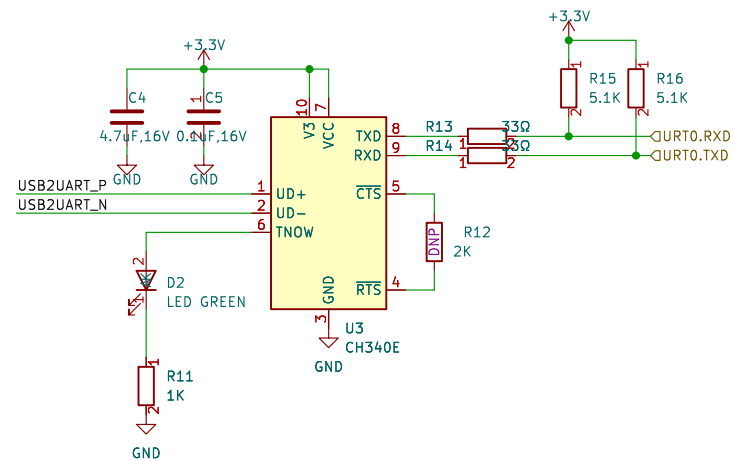
Id: 2/8

A4

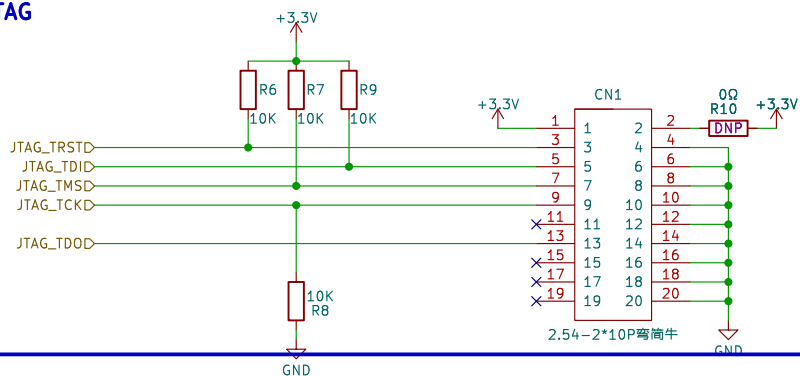
## USB2UART Type-C



## USB2UART



## JTAG



## 02-Debug



Sheet File: DEBUG

Title: HPM6750 ADC EVK

Size: A4

Date: 2023-5-25

Rev: A

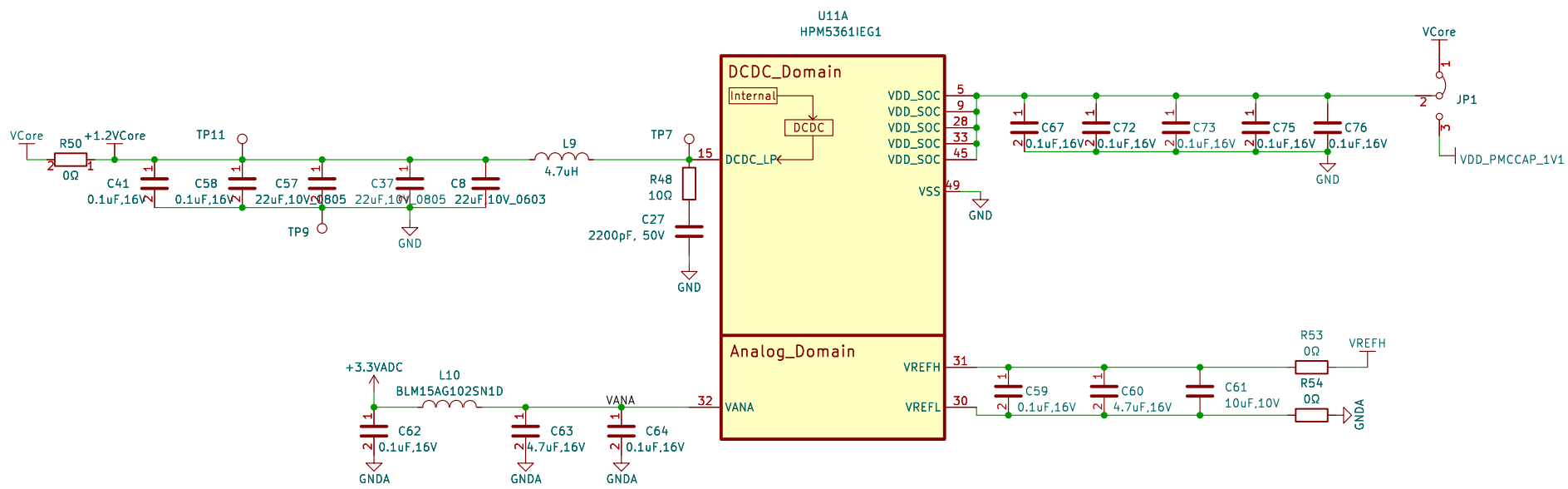
KiCad E.D.A. kicad 7.0.7

Id: 3/8

A4







## 05-HPM5300-POWER



Sheet File: HPM5300-POWER

Title: HPM6750 ADC EVK

Size: A4

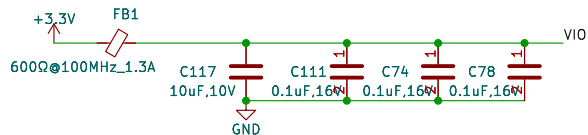
Date: 2023-5-25

Rev: A

KiCad E.D.A. kicad 7.0.7

Id: 8/8

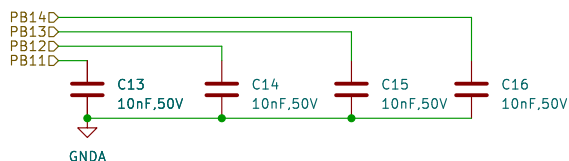
A4



U11D  
HPM5361IEG1

VIO 6  
VIO\_B00 34  
VIO\_B01 29

PA00D	12	PA00/TMR1.COMP0/URT0.TXD/CAN0.TXD/PWM0.FAULT0/PWM1.P0/TRGM0.P00/PWM1.FAULT0
PA01D	11	PA01/TMR1.CAPT0/URT0.RXD/CAN0.RXD/PWM0.FAULT1/PWM1.P1/TRGM0.P01/ACMP.COMP0
BOOT0	8	PA02/TMR1.COMP1/URT0.DE/URT0.RTS/I2C0.SCL/CAN0.STBY/ACMP.COMP0/PWM1.P2/TRGM0.P02/ACMP.COMP1/QEI1.F/ADC1.DBG
BOOT1	7	PA03/TMR1.CAPT1/URT0.CTS/I2C0.SDA/SPI3.CS3/CAN1.STBY/ACMP.COMP1/PWM1.P3/TRGM0.P03/PWM1.FAULT1/QEI1.H1/ADC0.DBG
PA04D	1	PA04/URT1.CTS/SPI0.CS0/CAN1.RXD/PWM0.P0/PWM1.P4/TRGM0.P04/RDC0.EXC_P/QEI1.A/QE01.A/SEI1.DE/JTAG.TDO
PA05D	48	PA05/TMR1.COMP2/URT1.DE/URT1.RTS/SPI0.SCLK/CAN1.TXD/PWM0.P1/PWM1.P5/TRGM0.P05/RDC0.EXC_N/QEI1.B/QE01.B/SEI1.CK/JTAG.TDI
PA06D	47	PA06/TMR0.CAPT0/URT1.RXD/I2C1.SDA/SPI0.MISO/PWM0.P2/PWM1.P6/TRGM0.P06/QEI1.Z/QE01.Z/SEI1.TX/JTAG.TCK
PA07D	46	PA07/TMR0.COMP0/URT1.TXD/I2C1.SCL/SPI0.MOSI/PWM0.P3/PWM1.P7/TRGM0.P07/QEI1.H0/SEI1.RX/JTAG.TMS
PA08D	2	PA08/TMR0.COMP1/URT2.TXD/I2C2.SCL/SPI3.CS2/CAN2.TXD/PWM0.P4/PWM0.FAULT0/JTAG.TRST
PA09D	3	PA09/TMR0.CAPT1/URT2.RXD/I2C2.SDA/SPI3.CS1/CAN2.RXD/PWM0.P5/PWM0.FAULT1
PA10D	4	PA10/TMR0.COMP2/URT2.DE/URT2.RTS/SPI3.CS0/CAN2.STBY/PWM0.P6/PWM1.FAULT0/ACMP.COMP0/QEI1.A/QE00.A/SEI1.DE
PA24D	44	PA24/TMR2.COMP1/URT6.TXD/I2C2.SCL/SPI1.CS2/CAN2.TXD/XPIO.CA_CS1/PWM0.P0/PWM1.P0/TRGM0.P00/QEI0.H1
PA25D	43	PA25/TMR2.CAPT1/URT6.RXD/I2C2.SDA/SPI1.CS1/CAN2.RXD/XPIO.CA_DQS/PWM0.P1/PWM1.P1/TRGM0.P01/QEI0.F
PA26D	42	PA26/TMR2.COMP2/URT6.DE/URT6.RTS/SPI1.CS0/CAN2.STBY/XPIO.CA_D3/PWM0.P2/PWM1.P2/TRGM0.P02/QEI0.A/QE00.A/SEI0.DE
PA27D	41	PA27/URT6.CTS/SPI1.SCLK/XPIO.CA_SCLK/PWM0.P3/PWM1.P3/TRGM0.P03/QEI0.B/QE00.B/SEI0.CK
PA28D	40	PA28/URT7.CTS/I2C3.SDA/SPI1.MISO/XPIO.CA_D0/PWM0.P4/PWM1.P4/TRGM0.P04/RDC0.EXC_P/QEI0.Z/QE00.Z/SEI0.TX
PA29D	39	PA29/TMR3.COMP3/URT7.DE/URT7.RTS/I2C3.SCL/SPI1.MOSI/CAN3.STBY/XPIO.CA_D2/PWM0.P5/PWM1.P5/TRGM0.P05/RDC0.EXC_N/QEI0.H0/SEI0.RX/USB0.OC
PA30D	38	PA30/URT7.RXD/SPI1.DAT2/CAN3.RXD/XPIO.CA_D1/PWM0.P6/PWM1.P6/TRGM0.P06/QEI0.H1/USB0.PWR
PA31D	37	PA31/TMR2.COMP3/URT7.TXD/SPI1.DAT3/CAN3.TXD/XPIO.CA_CS0/PWM0.P7/PWM1.P7/TRGM0.P07/QEI0.F/USB0.ID
PB08D	27	PB08/TMR0.COMP1/URT2.TXD/I2C2.SCL/SPI2.CS2/CAN2.TXD/ACMP.COMP0/PWM1.P4/QEI1.H1/QE01.A/SEI1.DE/USB0.ID/ADC0.IN11/ADC1.IN11/DAC0.OUT/CMP0.INN6/CMP1.INN6/OPA0.INP2/OPA1.INP2
PB09D	26	PB09/TMR0.CAPT1/URT2.RXD/I2C2.SDA/SPI2.CS1/CAN2.RXD/ACMP.COMP1/PWM1.P5/QEI1.F/QE01.B/SEI1.CK/USB0.OC/ADC0.IN1/ADC1.IN1/DAC1.OUT/CMP0.INP6/CMP1.INP6/OPA0.INN2/OPA1.INN2
PB10D	25	PB10/TMR0.COMP2/URT2.DE/URT2.RTS/SPI2.CS0/CAN2.STBY/ACMP.COMP0/PWM1.P6/QEI0.H1/QE01.Z/SEI1.TX/USB0.PWR/ADC0.IN2/ADC1.IN2/CMP0.INP4/CMP1.INP4/OPA0.INP3/OPA1.INP3
PB11D	24	PB11/URT2.CTS/SPI2.SCLK/ACMP.COMP1/PWM1.P7/QEI0.F/SEI1.RX/ADC0.IN3/ADC1.IN3/CMP0.INN4/CMP1.INN4/OPA0.INN3/OPA1.INN3
PB12D	23	PB12/URT3.CTS/I2C3.SDA/SPI2.MISO/PWM1.FAULT0/PWM1.P0/TRGM0.P00/QEI0.A/QE01.A/SEI0.DE/ADC0.IN4/ADC1.IN4/CMP0.INN2/CMP1.INN2/OPA1.INP0
PB13D	22	PB13/TMR1.COMP3/URT3.DE/URT3.RTS/I2C3.SCL/SPI2.MOSI/CAN3.STBY/PWM1.FAULT1/PWM1.P1/TRGM0.P01/QEI0.B/QE01.B/SEI0.CK/ADC0.IN5/ADC1.IN5/CMP0.INP2/CMP1.INP2/OPA1.INN0
PB14D	21	PB14/URT3.RXD/SPI2.DAT2/CAN3.RXD/PWM0.FAULT0/PWM1.P2/TRGM0.P02/RDC0.EXC_P/QEI0.Z/QE01.Z/SEI0.TX/ADC0.IN6/ADC1.IN6/CMP0.INN1/CMP1.INN1/OPA1.INP1
PB15D	20	PB15/TMR0.COMP3/URT3.TXD/SPI2.DAT3/CAN3.TXD/PWM0.FAULT1/PWM1.P3/TRGM0.P03/RDC0.EXC_N/QEI0.H0/SEI0.RX/ADC0.IN7/ADC1.IN7/CMP0.INP1/CMP1.INP1/OPA1.INN1



06-HPM5300-104



Sheet File: HPM5300-10

Title: HPM6750 ADC EVK

Size: A4

Date: 2023-5-25

Rev: A

KiCad E.D.A. kicad 7.0.7

Id: 13/8

A4

1

2

3

4

5

6

A

B

C

D

H1 MountingHole H2 MountingHole H3 MountingHole H4 MountingHole

07-Assembly



Sheet File: Assembly		
Title: HPM6750 ADC EVK		
Size: A4	Date: 2023-5-25	Rev: A
KiCad E.D.A. kicad 7.0.7		Id: 15/8

A4