Revision History

DATE	REV	
25/08/18	0.1	The first edition of board

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CUBE FPGA Dev Kit

Schematic Document

2025-08-18

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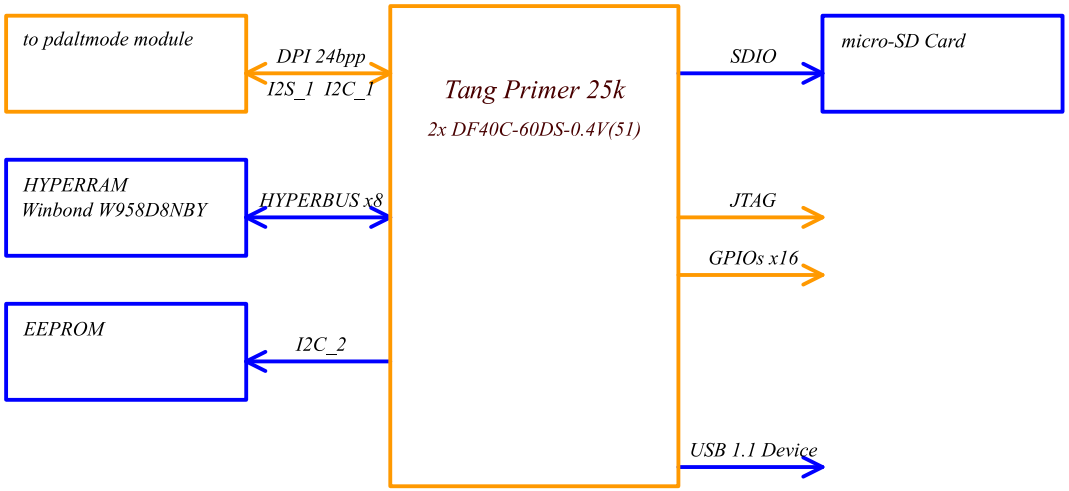
Block Diagram



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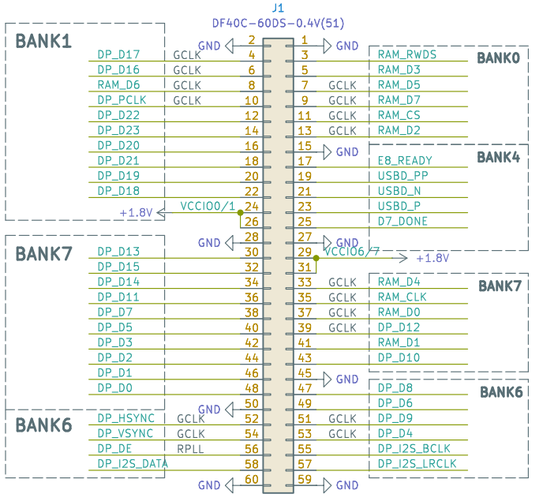

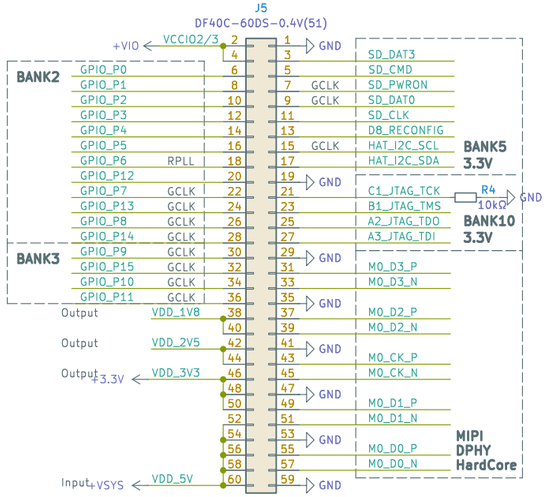

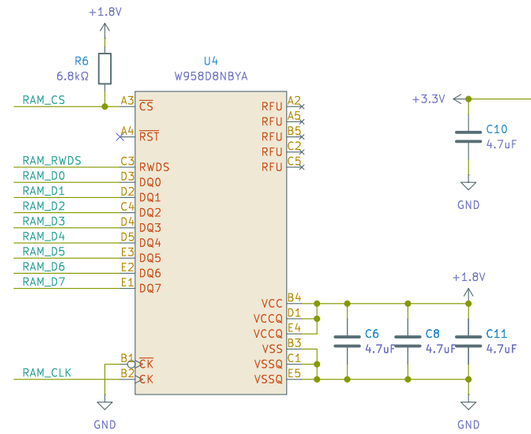

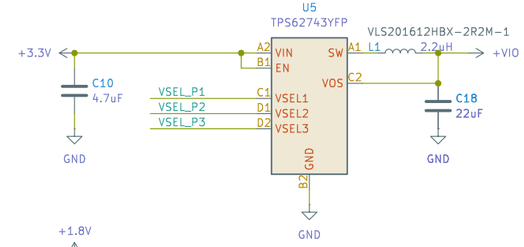

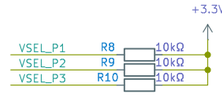

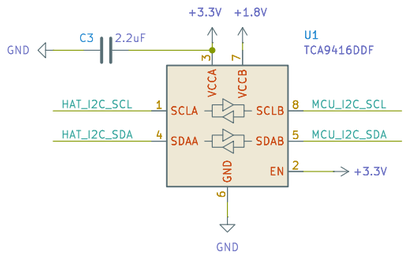

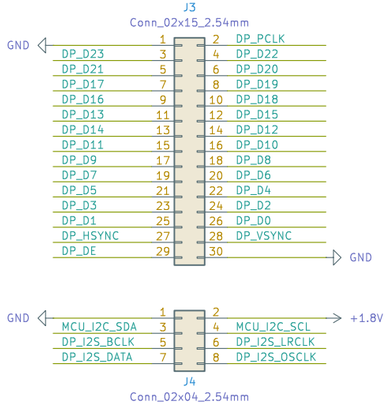

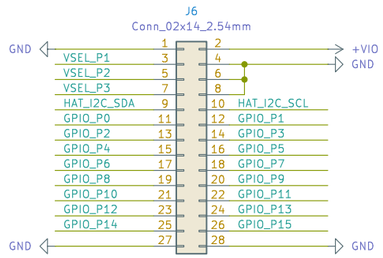

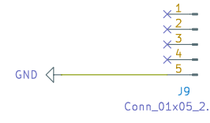

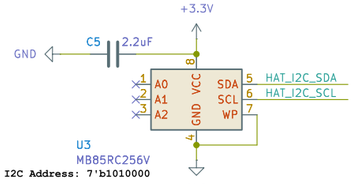

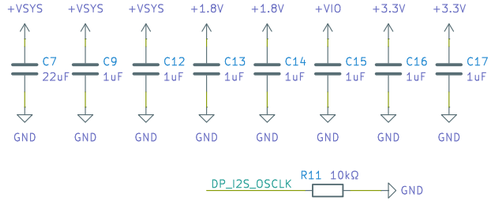

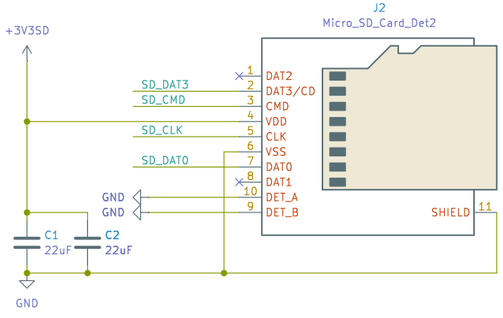

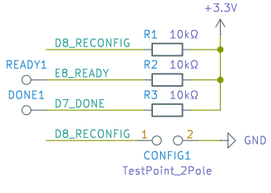

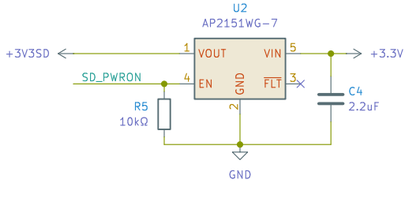

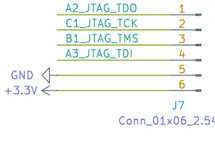

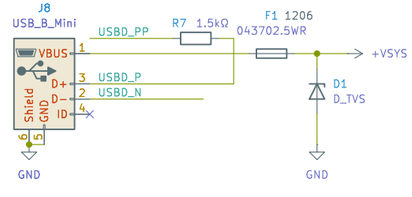

Sheet: /DEVICE/		
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Size: B	Date:	**Rev:**
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IO	PIN
DP_D0	L11_IOT11B
DP_D1	K11_IOT11A
DP_D2	K10_IOT15B
DP_D3	L10_IOT15A
DP_D4	C10_IOL5B
DP_D5	L8_IOT19B
DP_D6	D10_IOL9B
DP_D7	L7_IOT19A
DP_D8	D11_IOL9A
DP_D9	C11_IOL5A
DP_D10	G10_IOT7B
DP_D11	J7_IOT21B
DP_D12	H10_IOT3B
DP_D13	L6_IOT23A
DP_D14	K7_IOT21A

IO	PIN
DP_D15	K6_IOT23B
DP_D16	J5_IOT61B
DP_D17	H5_IOT61A
DP_D18	G5_IOT72B
DP_D19	F5_IOT72A
DP_D20	G7_IOT68A
DP_D21	G8_IOT68B
DP_D22	H8_IOT66A
DP_D23	H7_IOT66B
DP_I2S_LRCLK	B10_IOL12B
DP_I2S_BCLK	B11_IOL12A
DP_I2S_DATA	A10_IOL14B
USBFS_PP	B3_IOB56A
USBFS_N	C3_IOB56B
USBFS_P	E3_IOB60A

IO	PIN
RAM_D0	H11_IOT3A
RAM_D1	G11_IOT7A
RAM_D2	F6_IOT58B
RAM_D3	K9_IOT31B
RAM_D4	J11_IOT1A
RAM_D5	J8_IOT56A
RAM_D6	L5_IOT63A
RAM_D7	K8_IOT56B
RAM_RWDS	L9_IOT31A
RAM_CLK	J10_IOT1B
RAM_CS	F7_IOT58A
SD_DAT3	B2_IOB4A
SD_CMD	C2_IOB4B
SD_DAT0	F1_IOB26B
SD_CLK	A1_IOB24A

Sheet: /PORT0/
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IO	PIN
GP_D0	L2_IOR18A
GP_D1	L1_IOR18B
GP_D2	K1_IOR20A
GP_D3	K2_IOR20B
GP_D4	J4_IOR22A
GP_D5	K4_IOR22B
GP_D6	G2_IOR24A
GP_D7	L4_IOR31A
GP_D8	J1_IOR33A
GP_D9	G4_IOB89A
GP_D10	H1_IOB91A
GP_D11	H2_IOB91B
GP_D12	G1_IOR24B
GP_D13	L3_IOR31B
GP_D14	J2_IOR33B

IO	PIN
GP_D15	H4_IOB89B
SD_PWRON	F2_IOB26A
I2C_SCL	E1_IOB12B
I2C_SDA	D1_IOB14B

IO	PIN

Sheet: /PORT1/
File: port1.kicad_sch

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