

Core System

U1A: GPIO: 3.3V/1.8V SWITCHABLE

IO Pin	Bank	IO Pin	Bank
IO_24	B8	IO_0	BANK0
IO_25	A8	IO_1	BANK0
SPI0_MISO	B7	IO_2	BANK0
SPI0_SCLK	A7	IO_3	BANK0
SPI0_MOSI	B6	IO_4	BANK0
SPI0_CS0	A6	IO_5	BANK0
IO_30	B5	IO_6	BANK1
IO_31	A5	IO_7	BANK1
IO_32	B4	IO_8	BANK1
IO_33	A4	IO_9	BANK1
IO_34	B3	IO_10	BANK1
IO_35	A3	IO_11	BANK1
LCD_CS	A2	IO_12	BANK2
LCD_RST	A1	IO_13	BANK2
LCD_DC	B2	IO_14	BANK2
LCD_WR	B1	IO_15	BANK2
DVP_SDA	C2	IO_16	BANK2
DVP_SCL	C1	IO_17	BANK2
DVP_RST	D2	IO_18	BANK3
DVP_VSYNC	D1	IO_19	BANK3
DVP_PWDN	E2	IO_20	BANK3
DVP_HSYNC	E1	IO_21	BANK3
DVP_XCLK	F2	IO_22	BANK3
DVP_PCLK	F1	IO_23	BANK3

U1B: GPIO: 1.8V ONLY

SPI0 Pin	SPI0 OUT	MISC	DVP IN
SPI0_D0	12	RESET	DVP_D0
SPI0_D1	11	CLK	DVP_D1
SPI0_D2	10	OSC_CLK	DVP_D2
SPI0_D3	9	XTAL_OUT	DVP_D3
SPI0_D4	8	XTAL_IN	DVP_D4
SPI0_D5	7		DVP_D5
SPI0_D6	6		DVP_D6
SPI0_D7	5		DVP_D7

U8: GD25LQ64/128

Flash Pin	Flash Pin
F_CS	1
F_D1	2
F_D2	3
GND	4
VCC	8
HOLD/IO3	7
CLK	6
SI/IO0	5

Flash Memory

Note:

BOOT(I016) pull low to enter ISP mode, download from I04,5
 SPI3 Support XIP SPI0/1/3 for Master, SPI2 for slave
 3.3V IO speed 80M, 1.8V IO speed 208M. Simple test PWM is faster than 300MHz.

RGB LED

KEY

MIC

Power

TF Card

8bit MCU LCD

ISP DOWNLOAD

USB to UART IC

DVP Camera

Connector

USB Port

Open-source hardware with MaixPy, A.I. at edge.

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File: MAIX_Bit_2832.sch

Title: Maix-Bit V2.0(Schematic)

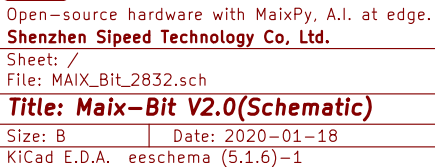
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Rev: 2.0

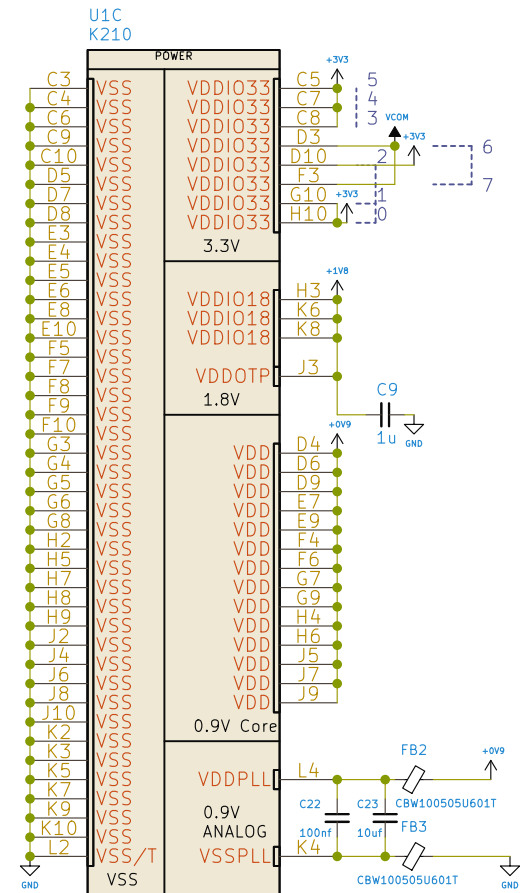
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Open-source hardware with MaixPy, A.I. at edge.
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U2
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