

1

2

3

4

GPIOHS: 32pins, 3Mbps
GPIO: 8pins, 1Mbps

U1A

GPIO : 3.3V/1.8V SWITCHABLE

GPIOHS8 IO 24 B8
GPIOHS9 IO 25 A8
GPIOHS10 SPI0_MISO IO 26 B7
GPIOHS11 SPI0_SCK IO 27 A7
GPIOHS12 SPI0_MOSI IO 28 B6
GPIOHS13 SPI0_CS0 IO 29 A6

BANK4
GPIO

BANK0
GPIO

K11_IO_0
K12_IO_1
I11_IO_2
I12_IO_3
H11_IO_4
H12_IO_5

WIFI_SPI_CS
WIFI_SPI_CLK
WIFI_SPI_MISO
WIFI_SPI_MOSI
UARTHS_RX
UARTHS_TX

JTAG_TCK
JTAG_TDI
JTAG_TMS
JTAG_TDO

GPIOHS14 IO 30 B5
GPIOHS15 SPI2_SCK IO 31 A5
GPIOHS16 SPI1_SCK IO 32 B4
GPIOHS17 I2S0_SCK IO 33 A4
GPIOHS18 I2S0_MCK IO 34 B3
GPIOHS19 I2S1_SCK IO 35 A3

BANK5
GPIO

BANK1
GPIO

G11_IO_6
G12_IO_7
F11_IO_8
F12_IO_9
E11_IO_10
E12_IO_11

WIFI_TX
WIFI_RX
WIFI_EN
I2C0_SCL
I2C0_SDA

FLOAT
FLOAT
GPIO0
GPIO1
GPIO2
GPIO3

GPIOHS20 I2S1_MCK IO 36 A2
GPIOHS21 I2S2_SCK IO 37 A1
GPIOHS22 I2S2_MCK IO 38 B2
GPIOHS23 IO 39 B1
GPIOHS24 IO 40 C2
GPIOHS25 IO 41 C1

BANK6
GPIO

BANK2
GPIO

D11_IO_12
D12_IO_13
C11_IO_14
C12_IO_15
B12_IO_16
A12_IO_17

LED0#
LED1#
KEY1#
DVP_RST
BOOT
DVP_PWDN

GPIO4
GPIO5
GPIO6
GPIO7
GPIOHS0
GPIOHS1

GPIOHS26 IO 42 D2
GPIOHS27 IO 43 D1
GPIOHS28 IO 44 E1
GPIOHS29 IO 45 E2
GPIOHS30 IO 46 F2
GPIOHS31 IO 47 F1

BANK7
GPIO

BANK3
GPIO

B11_IO_18
A11_IO_19
B10_IO_20
A10_IO_21
B9_IO_22
A9_IO_23

DVP_VSYNC
DVP_HSYNC
DVP_XCLK
DVP_PCLK
SIO_C
SIO_D

GPIOHS2
GPIOHS3
GPIOHS4
GPIOHS5
GPIOHS6
GPIOHS7

K210

U1B

GPIO : 1.8V ONLY

SPI0_D0 L12
SPI0_D1 L11
SPI0_D2 L10
SPI0_D3 L9
SPI0_D4 L8
SPI0_D5 L7
SPI0_D6 L6
SPI0_D7 L5

SPI0 OUT
MISC
XTAL_OUT

RESET
CLK
OSC_CLK
XTAL_IN

DVP_D0 M12
DVP_D1 M11
DVP_D2 M10
DVP_D3 M9
DVP_D4 M8
DVP_D5 M7
DVP_D6 M6
DVP_D7 M5

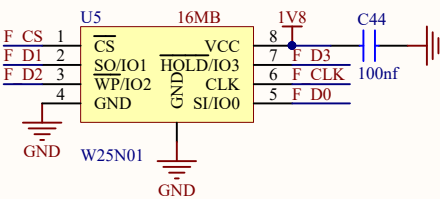
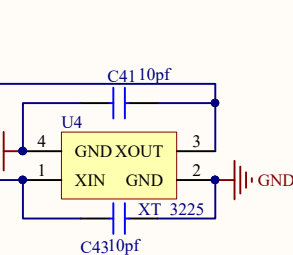
DVP IN
SPI3

F_CLK
F_CS
F_D0
F_D1
F_D2
F_D3

SPI3支持XIP

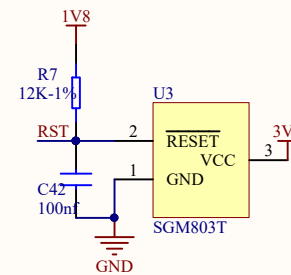
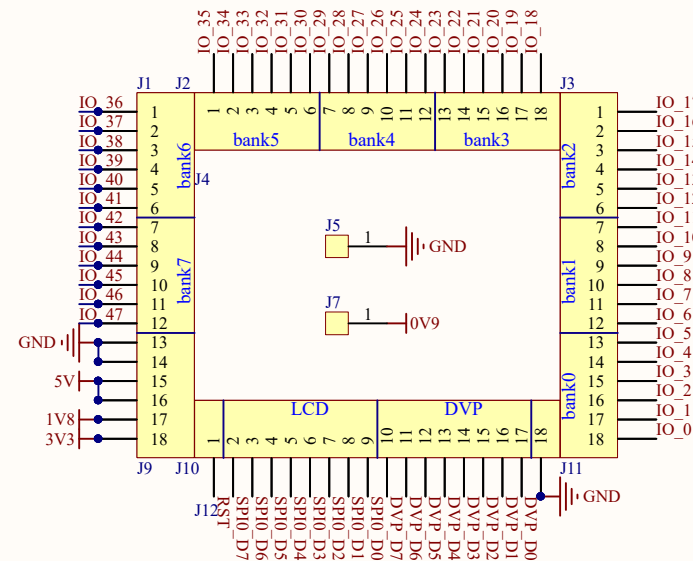
K210

M1_RST
M2_26M_OUT
M3_XOUT
M4_XIN



Entry ISP mode:
BOOT(IO16) Pull low and then press Reset
IO4(UART RX) IO5(UART TX)

SPI0/1/3 only work in Master mode
SPI2 only work in Slave mode
Maximum rate:45Mbps



WIFI_EN IO 8
WIFI_TX IO 6
WIFI_RX IO 7
WIFI_SPI_CS IO 0
WIFI_SPI_CLK IO 1
WIFI_SPI_MISO IO 2
WIFI_SPI_MOSI IO 3

J11 1
J12 1
J23 1
J24 1
J17 1
J18 1
J19 1
J20 1
J21 1
J22 1

1

2

3

4

A

B

C

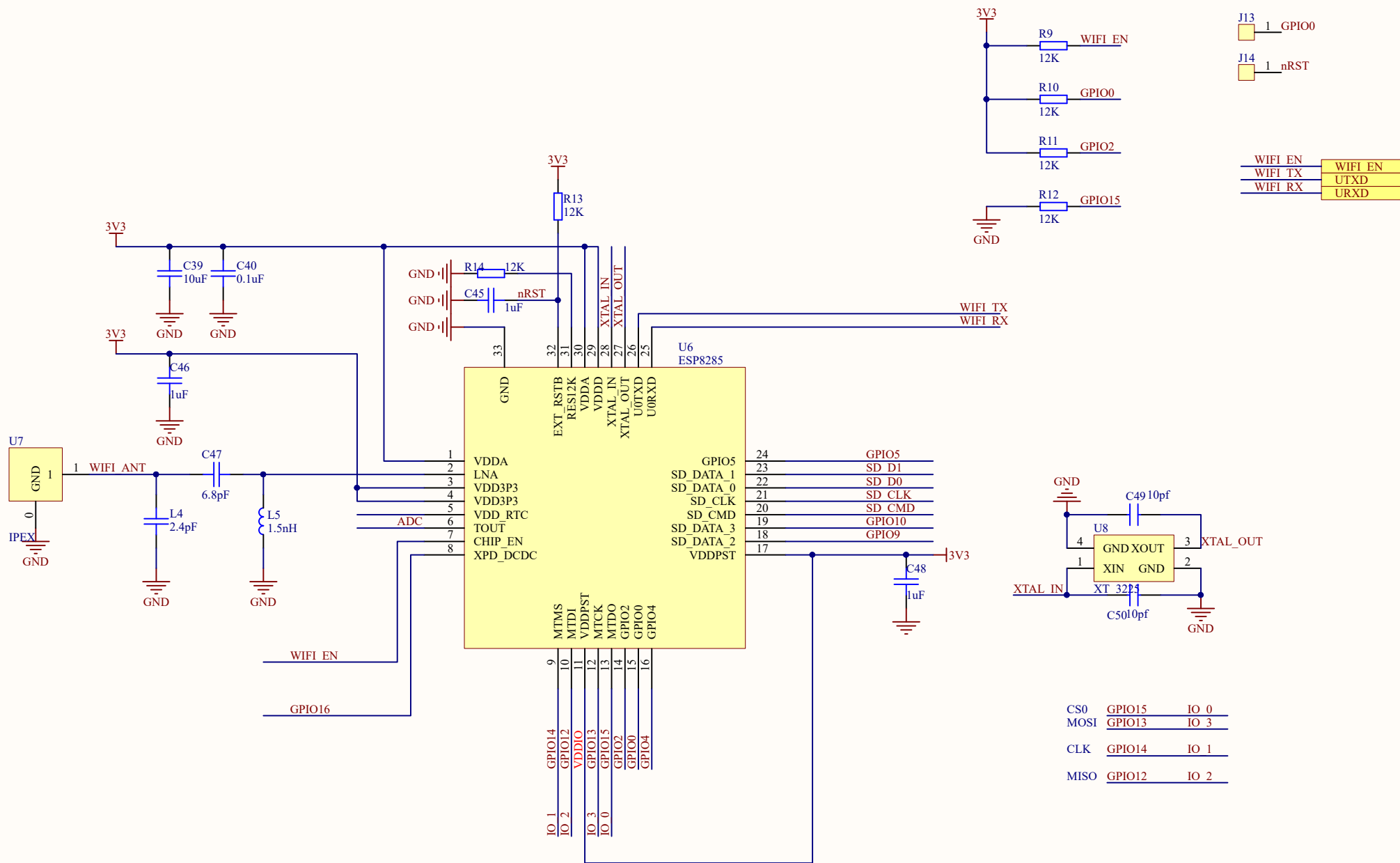
D

A

B

C

D



1

2

3

4

1

2

3

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