

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

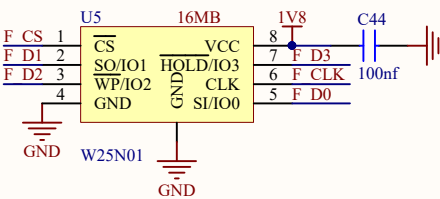
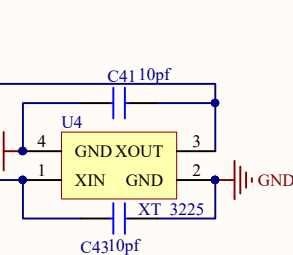
RESET  
CLK  
OSC\_CLK  
XTAL\_IN

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

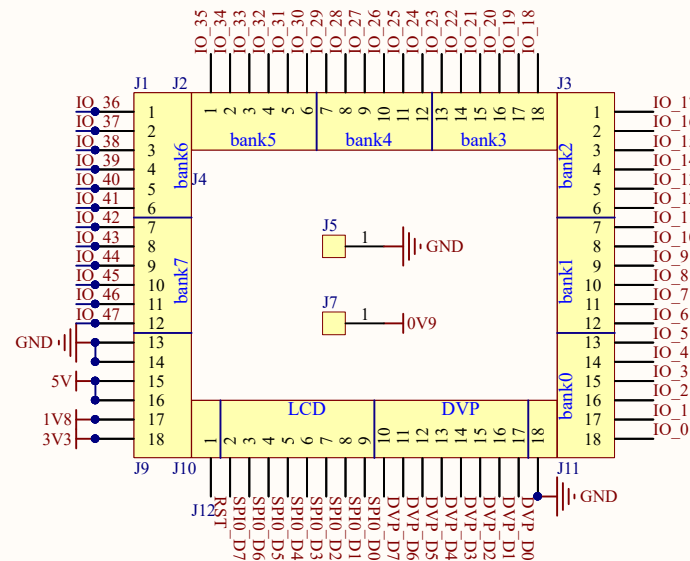
F\_CLK  
F\_CS  
F\_D0  
F\_D1  
F\_D2  
F\_D3

SPI3支持XIP

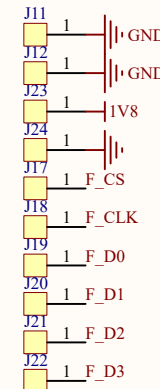


Entry ISP mode:  
BOOT(IO16) Pull low and then press Reset  
IO4(UART RX) IO5(UART TX)

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



A

B

C

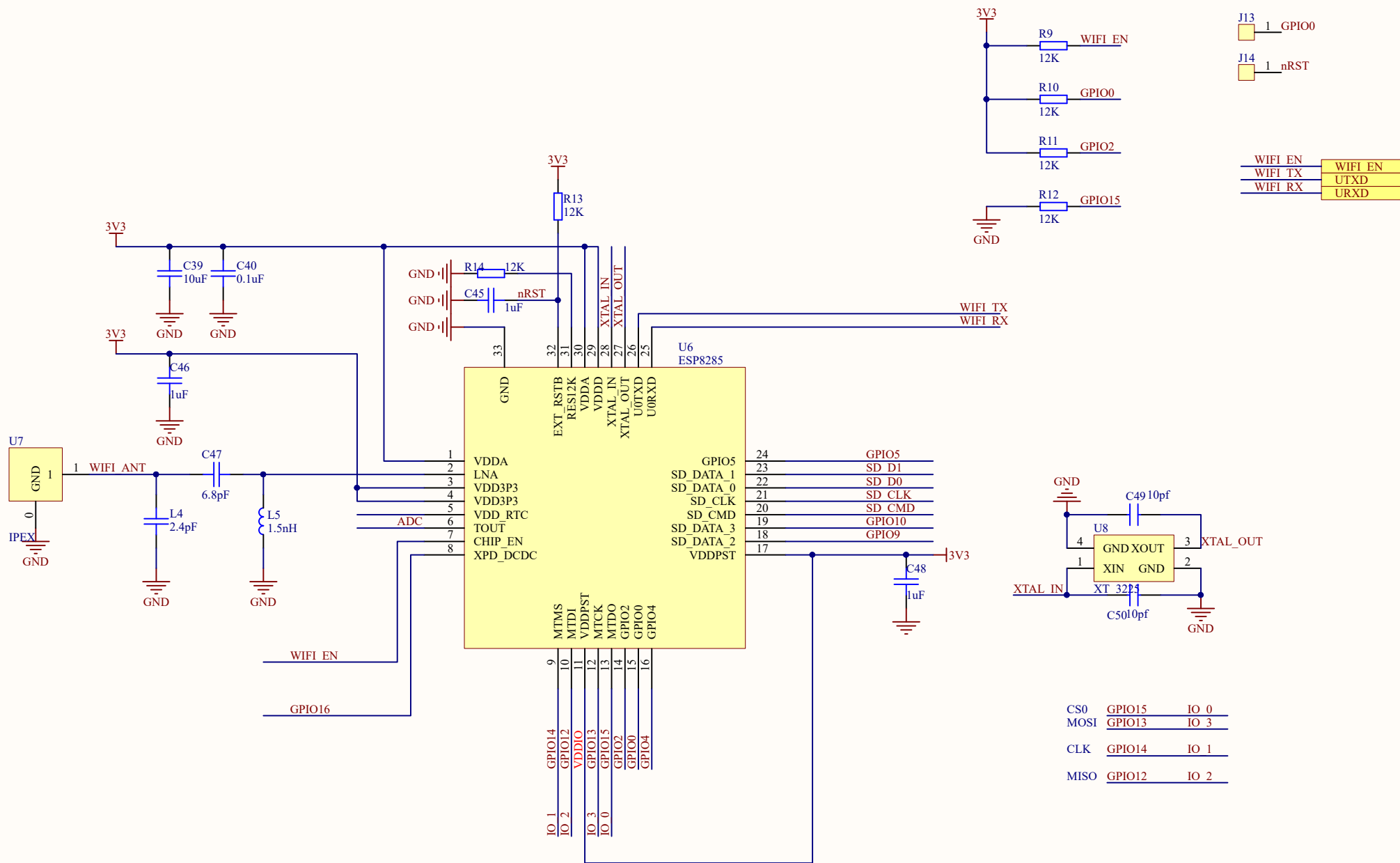
D

A

B

C

D



CS0	GPIO15	IO 0
MOSI	GPIO13	IO 3
CLK	GPIO14	IO 1
MISO	GPIO12	IO 2