

# VERSION LIST

| Date       | Version | Item          |
|------------|---------|---------------|
| 2023/12/13 | 1.0     | Prototype     |
| 2024/05/07 | 1.1     | First version |
|            |         |               |
|            |         |               |

## RTS5912 EVB Circuit

PAGE01 Version List

PAGE02 Power Block

PAGE03 Power

PAGE04 EC connector

PAGE05 KBC/GPIO input/RESET

PAGE06 PS2/FSPI/MSPI/UART

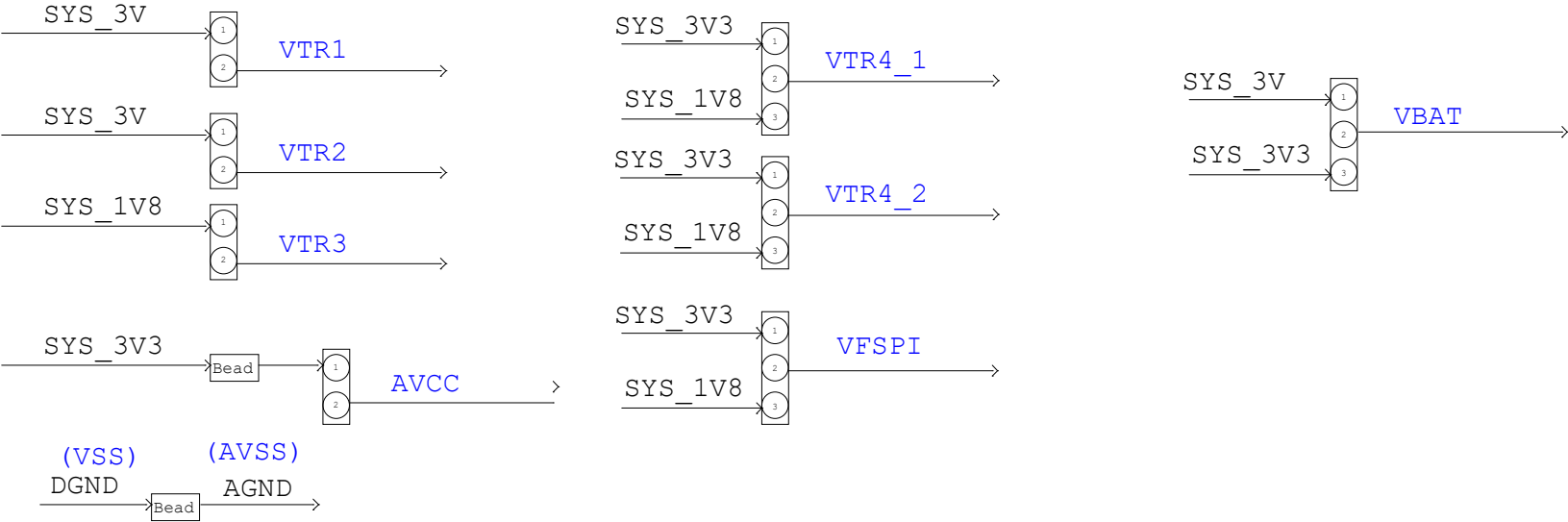
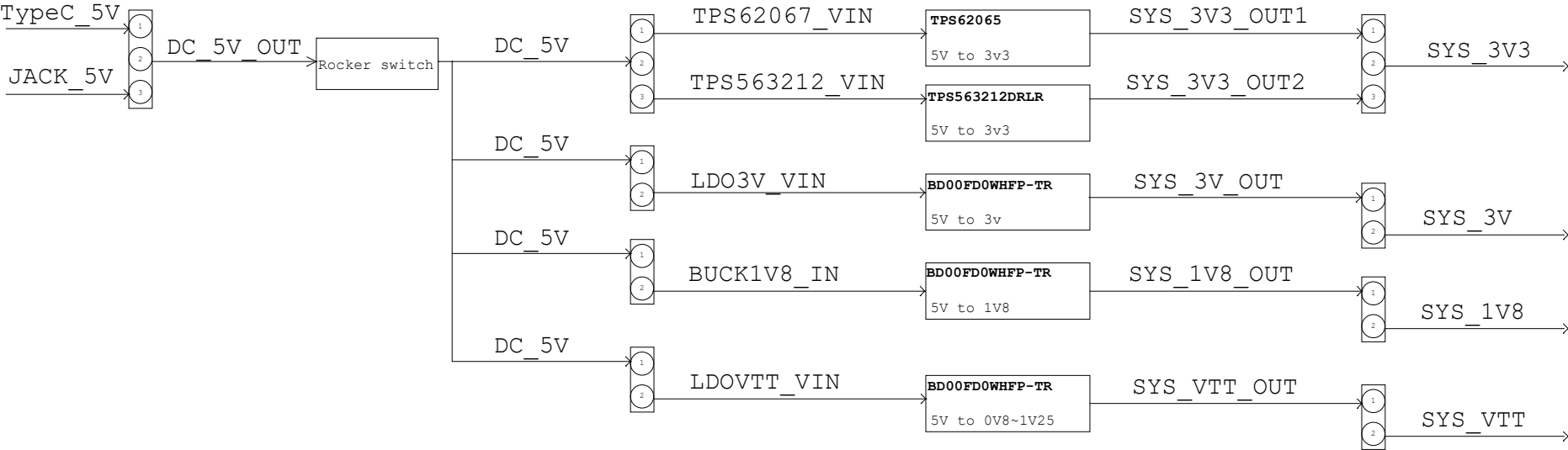
PAGE07 I2C/I3C

PAGE08 LED/Port 80

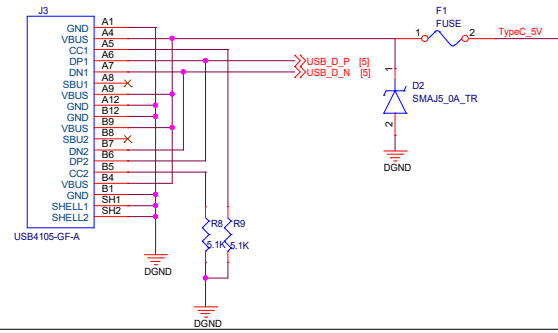
PAGE09 ADC/PECI/Thermal/Debug

PAGE10 PWM/Tachometer

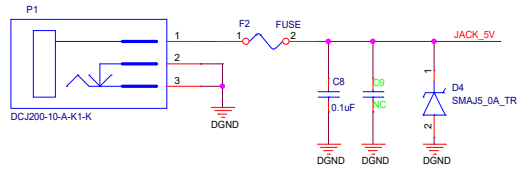
Power Block



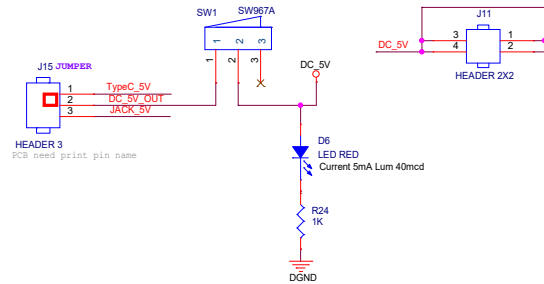
## TypeC



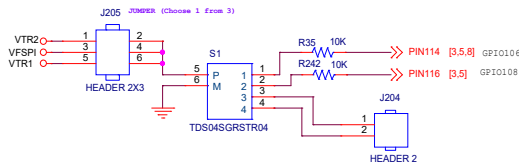
## JACK 5VDC



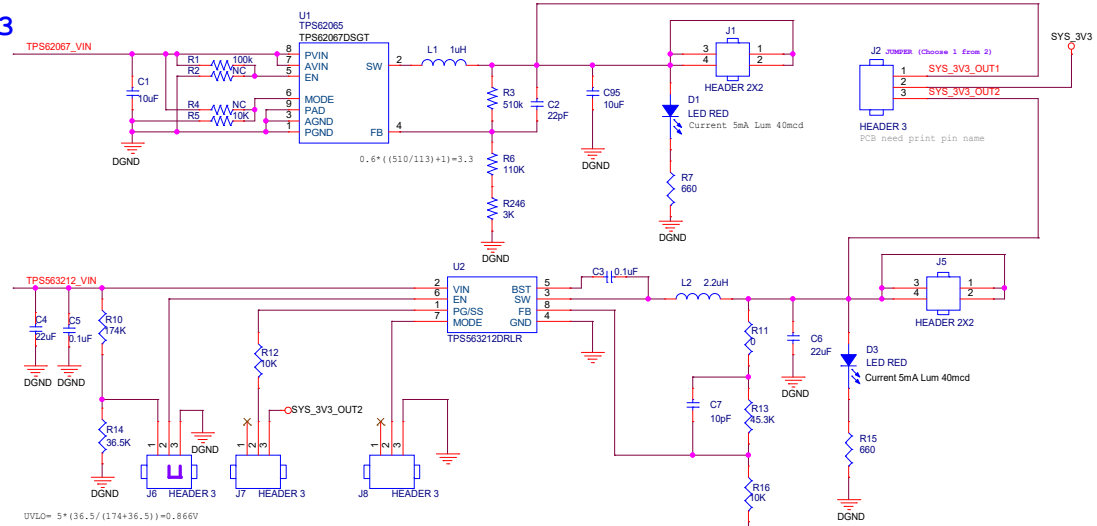
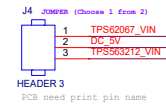
## Rocker switch



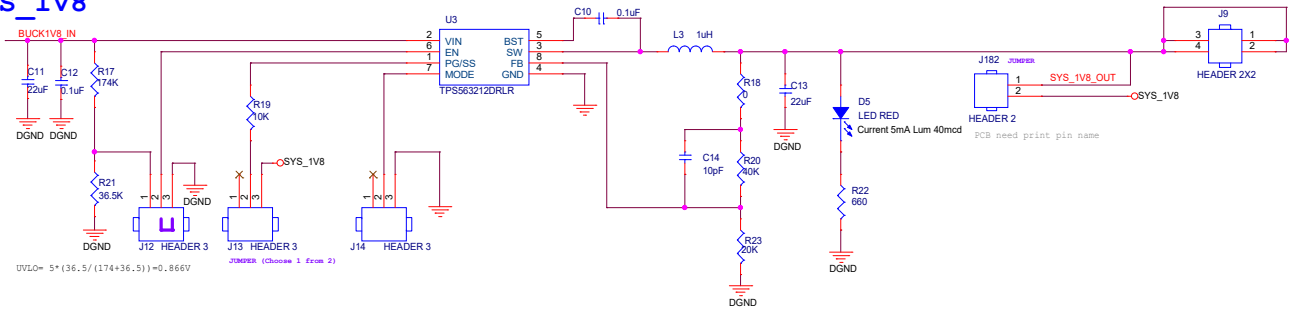
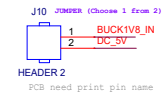
## STRAP PINS



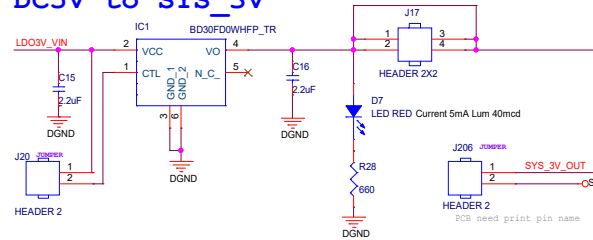
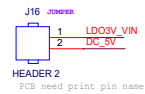
## DC5V to SYS\_3V3



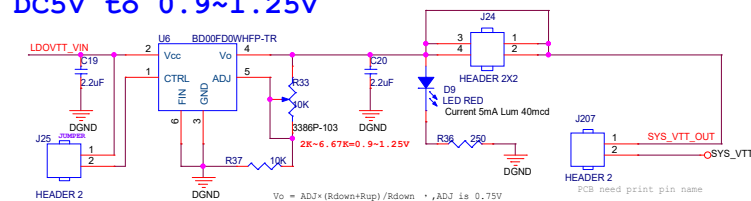
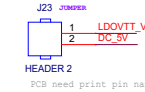
## DC5V to SYS\_1V8



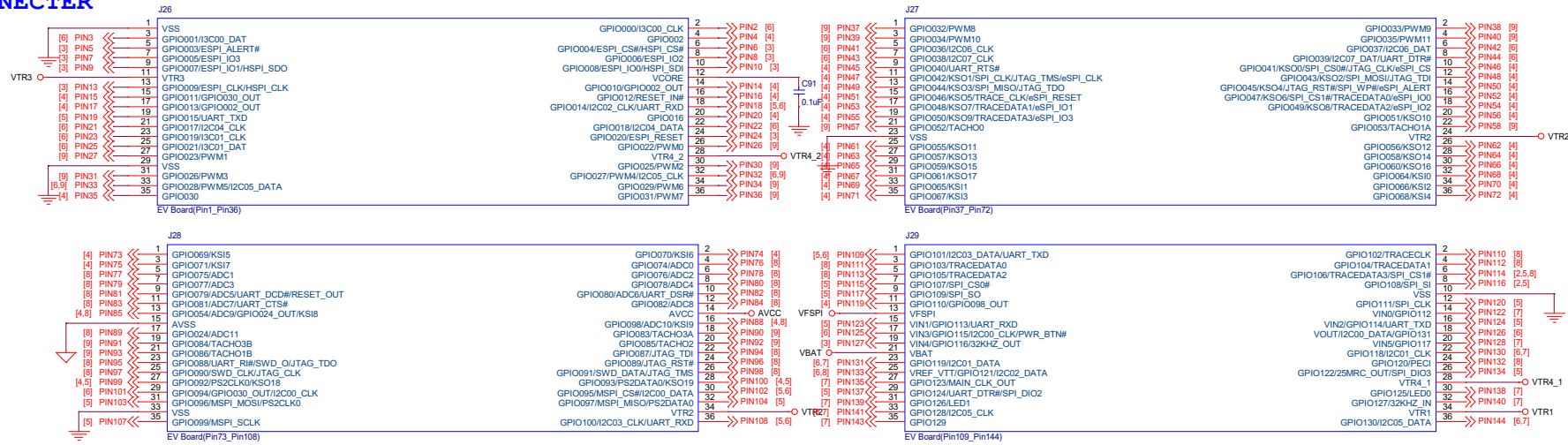
## DC5V to SYS\_3V



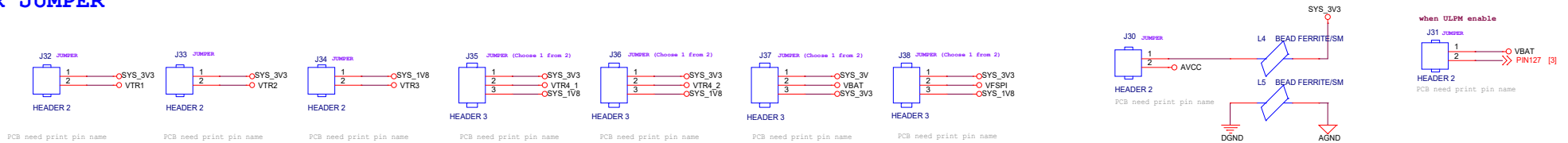
## DC5V to 0.9~1.25V



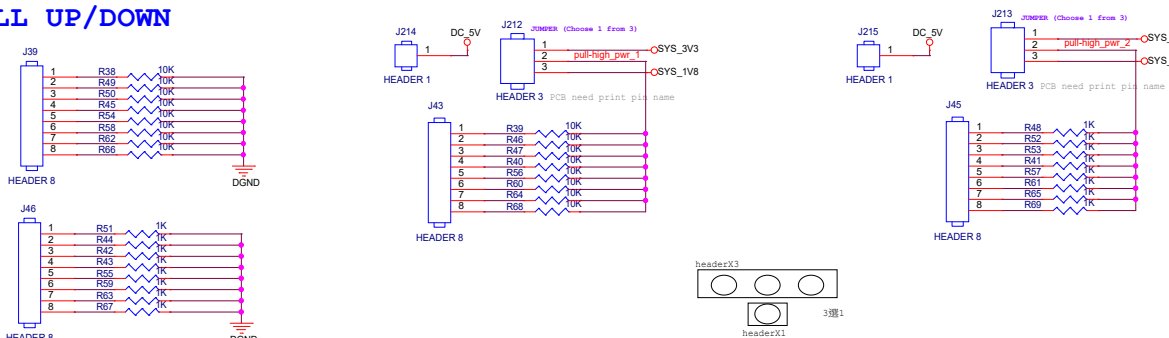
## EC CONNECTER



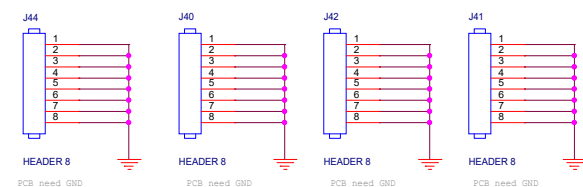
## EC POWER JUMPER



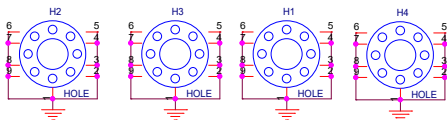
## PULL UP/DOWN



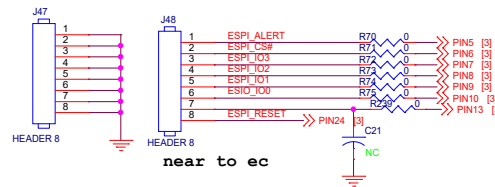
## FOUR SIDE GND



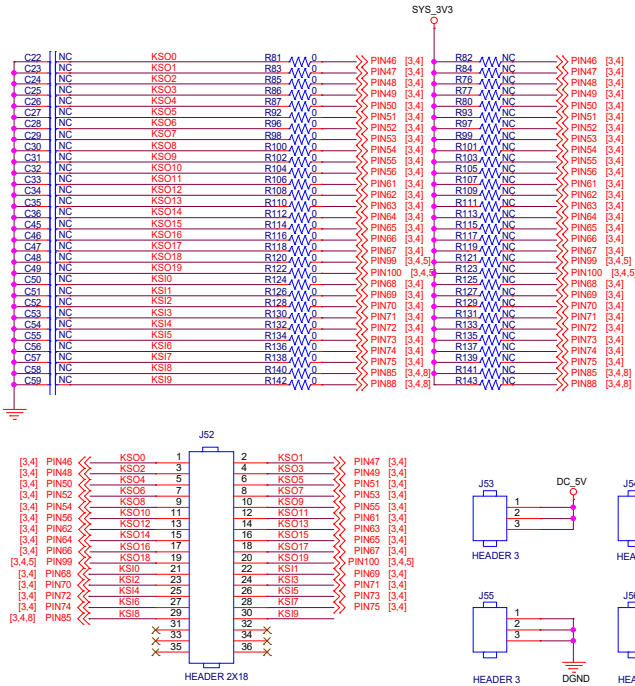
## PCB HOLE



## eSPI

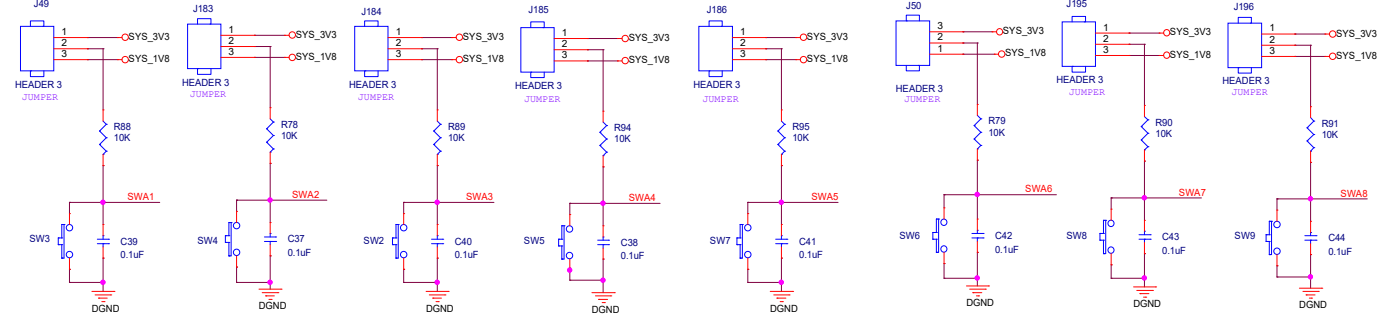


| REALTEK  |                 |         |
|--|-----------------|---------|
| Title: RTS5912 Evaluation Board - EC connector |                 |         |
| Size: <Title>                                  | Document Number | Rev 1.1 |
| Date: Monday, July 01, 2024                    | Sheet 4 of 10   |         |

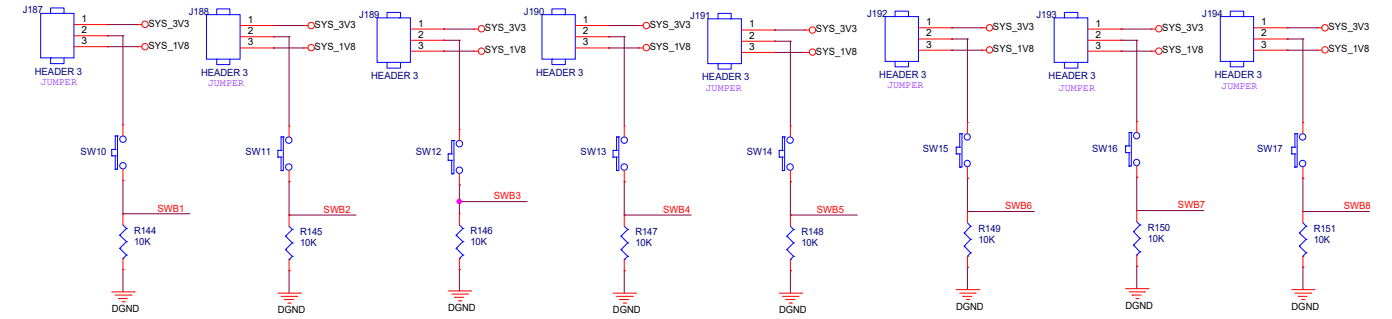


## GPIO INPUT TEST

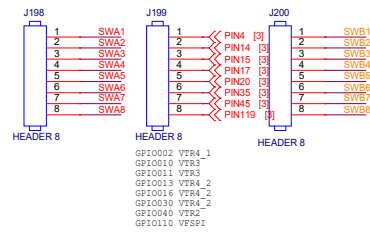
high to low



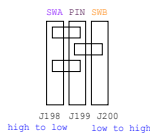
low to high



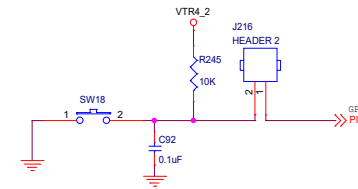
PCB need print pin name



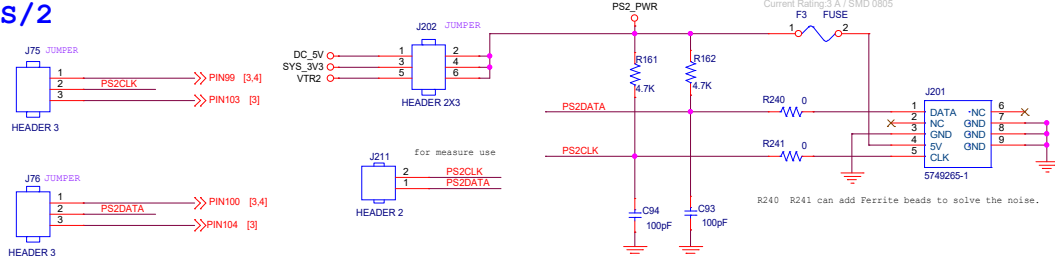
example



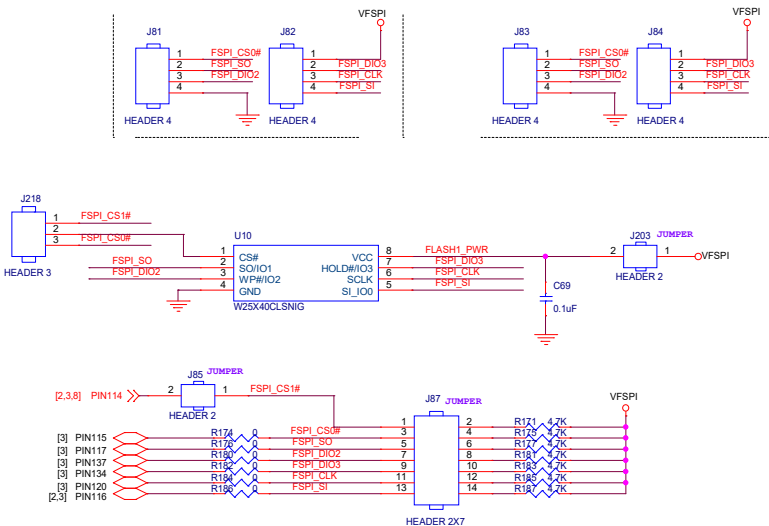
## EC RESET



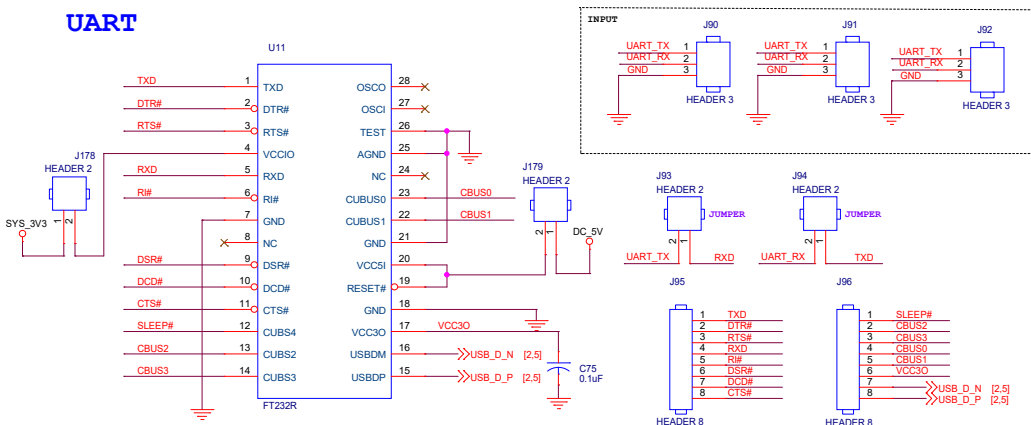
PS/2



## FSPI

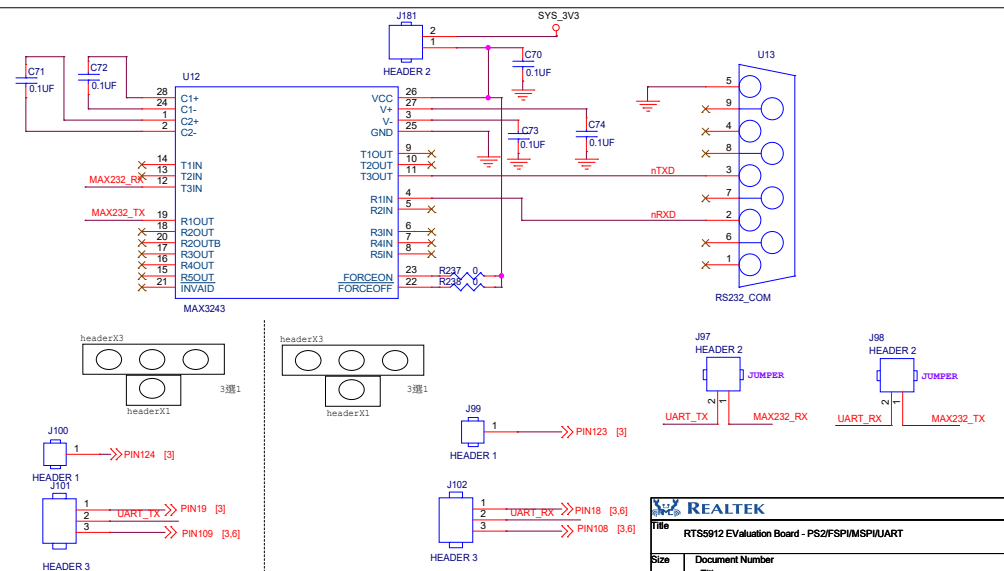
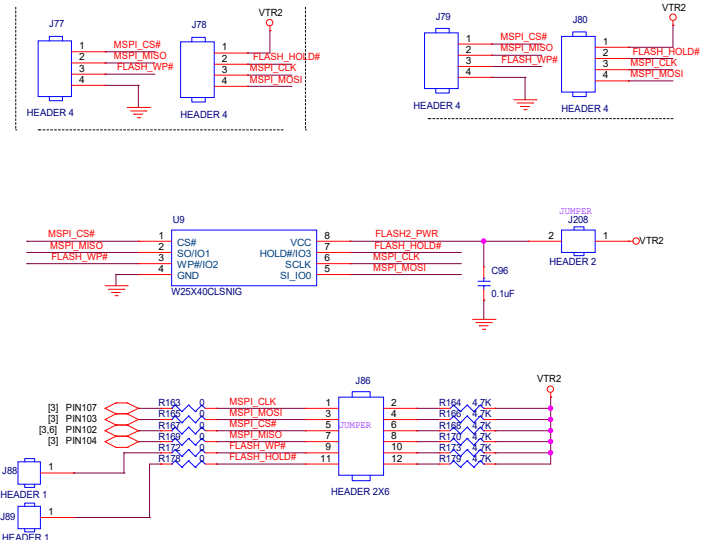


## UART

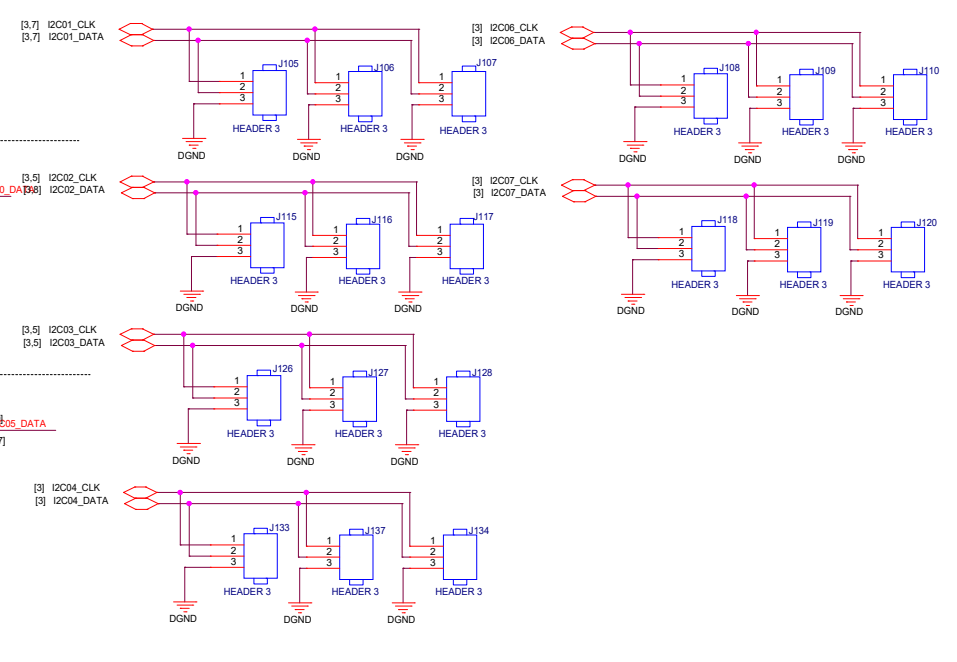
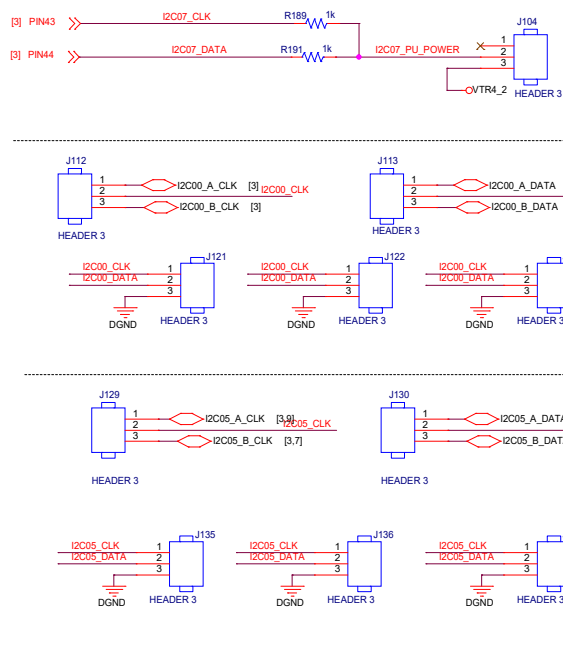
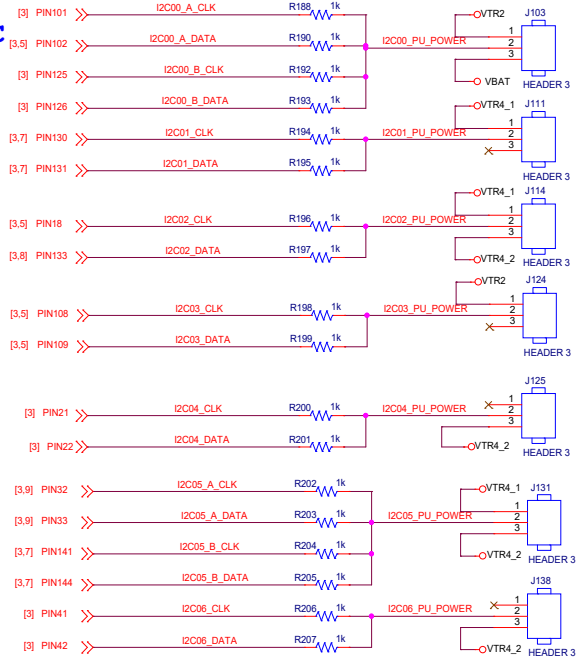


## MSPi

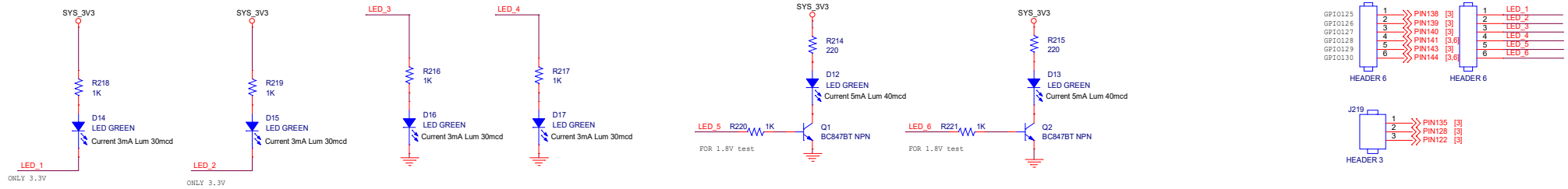
MSPI PAD POWER IS VTR2



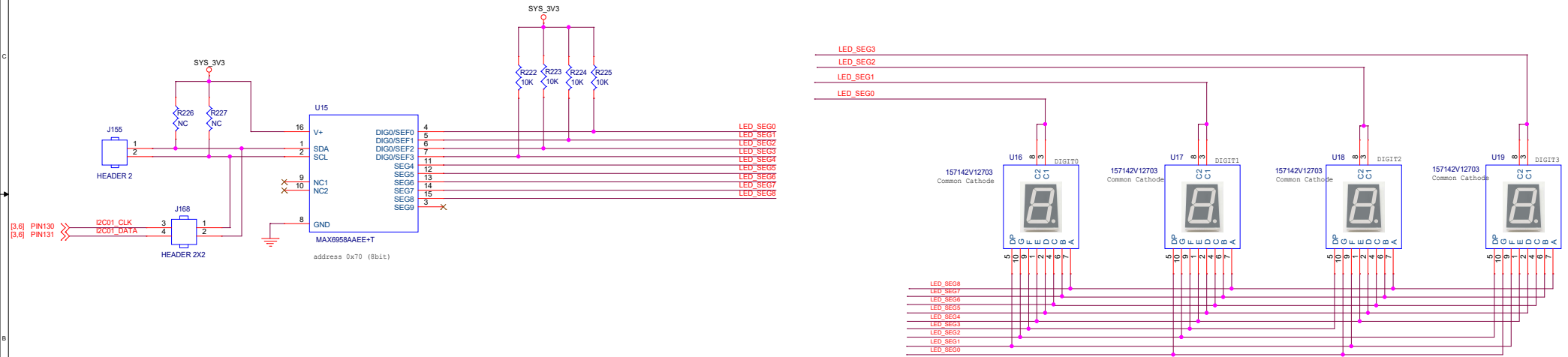
## I2C



LED

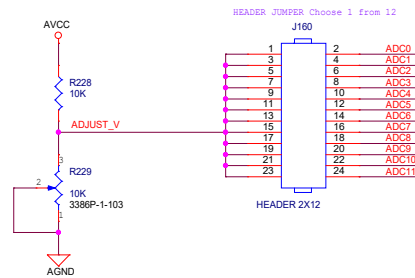
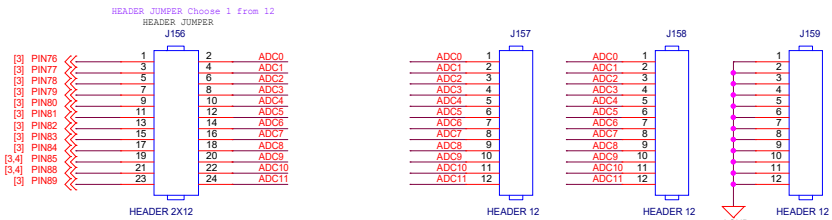


PORT 80 DISPLAY

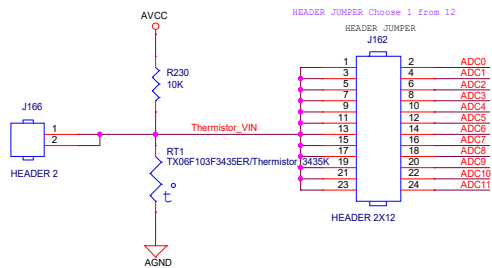




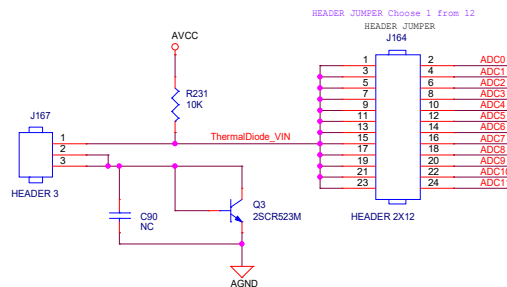
## ADC



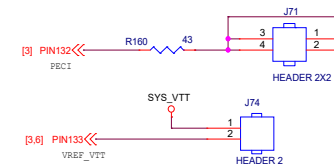
## Thermistor



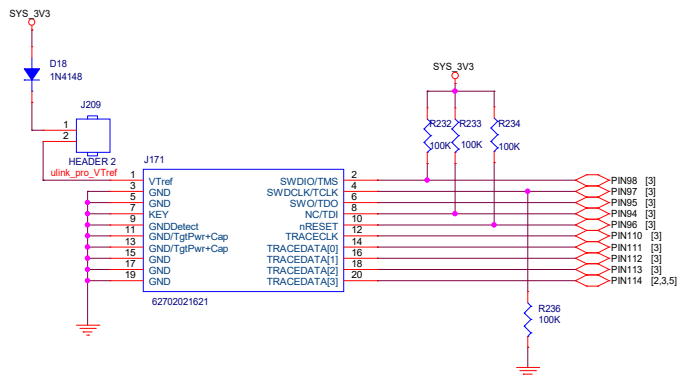
## Thermal Diode



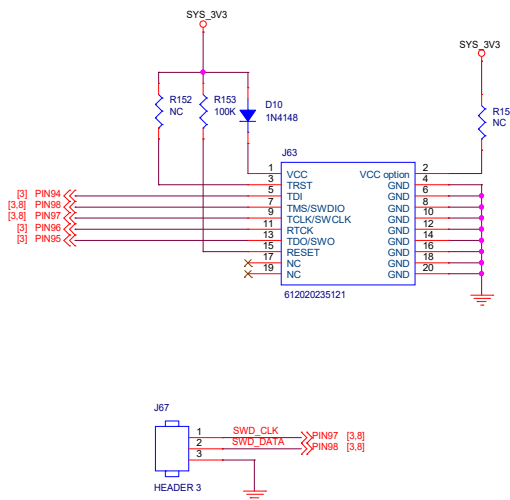
## PECI



## ULINKPRO



## JTAG ULINK2



**FAN**

