Special precaution (Very important):

1. All IO ports used need a series resistance of 100 Ω to 1K Ω
The resistance value should be as large as possible without affecting the signal function

2. All IO ports and power ports used shall be protected by ESD diodes

3. The rated voltage of RST and bank6 / 7 is 1.8V. These pins cannot bear a voltage greater than 1.8V

pow

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sys

File: sys.kicad_sch

SiPEED

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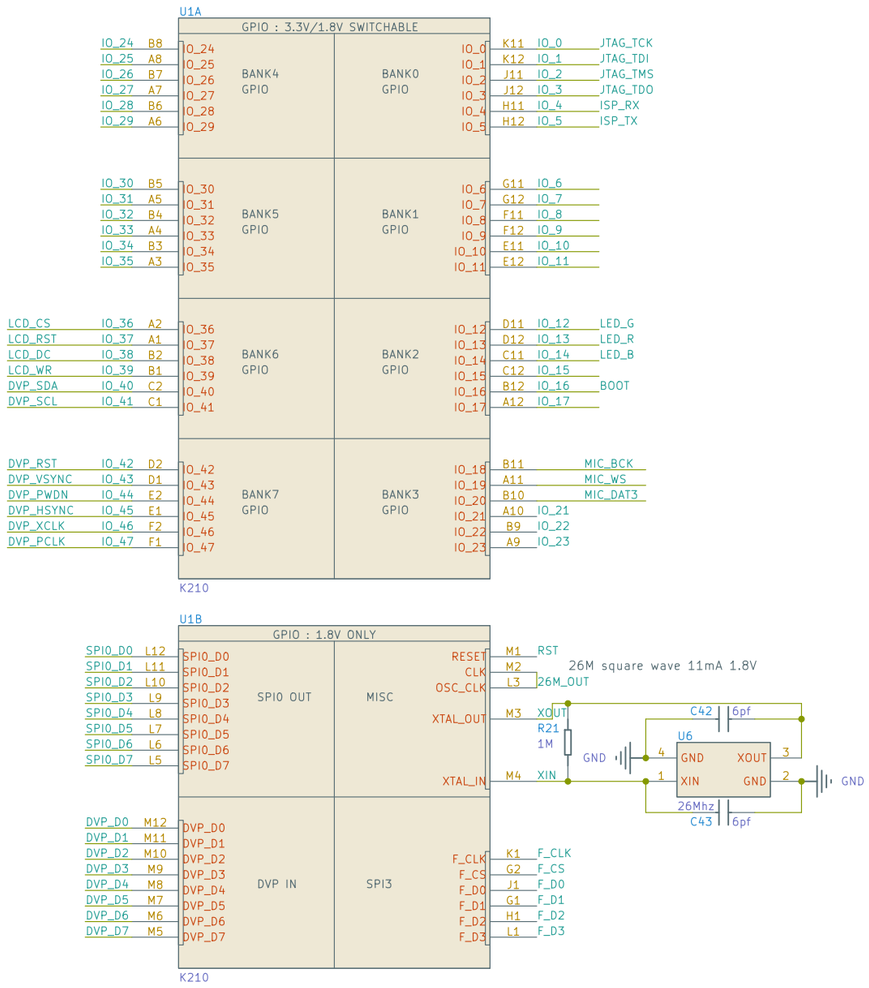
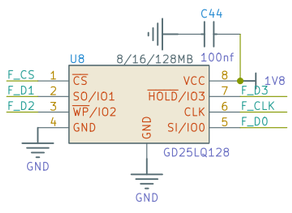
KiCad E.D.A. kicad (5.99.0-12719-gf9c83dbc44)		Id: 1/3

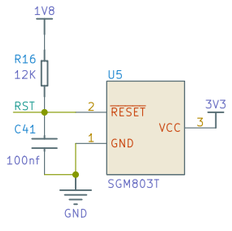
Core System



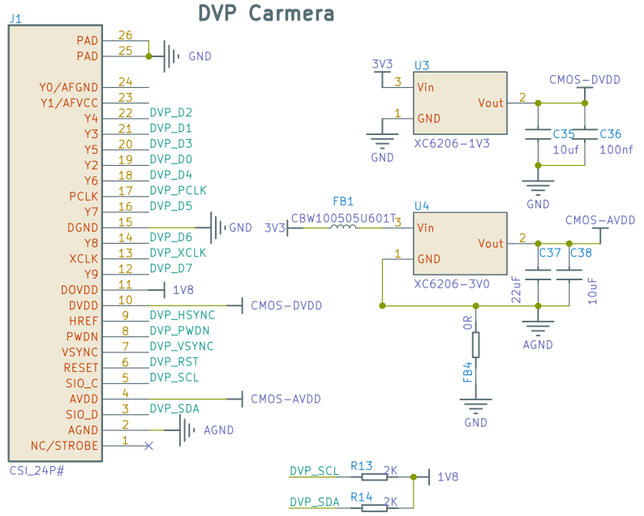
Note:

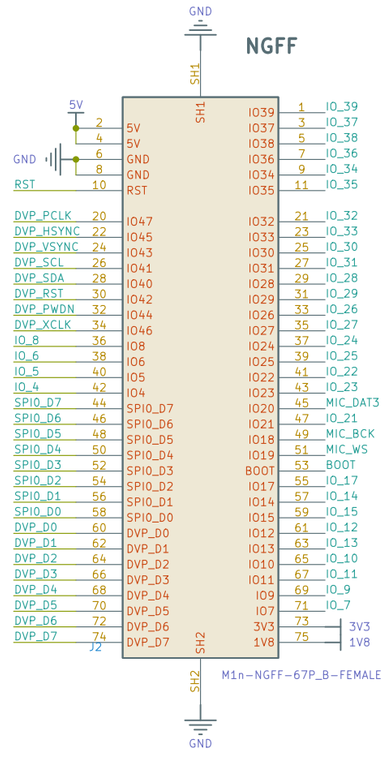
BOOT(IO16) pull low to enter ISP mode, download from IO4,5
SPI3 Support XIP SPI0/1/3 for Master, SPI2 for slave
3.3V IO speed 80M, 1.8V IO speed 208M. Simple test PWM is faster than 300MHz.



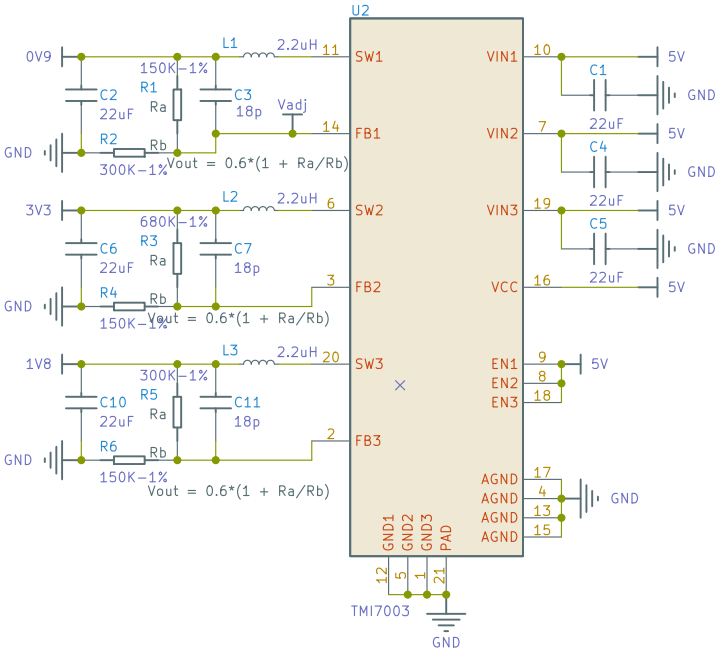


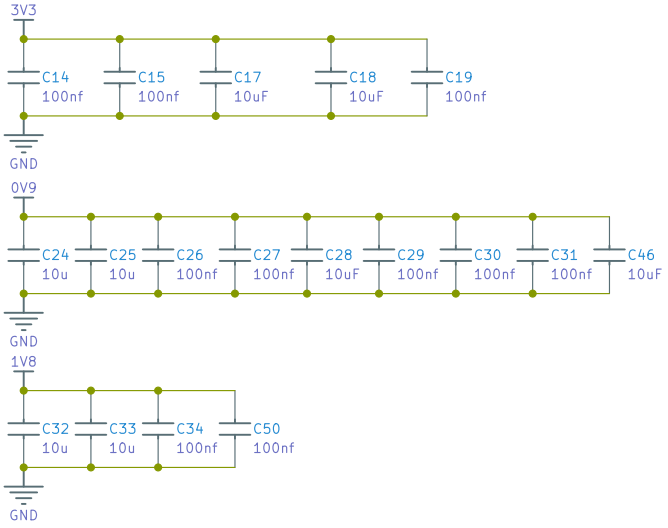
DVP Carmera

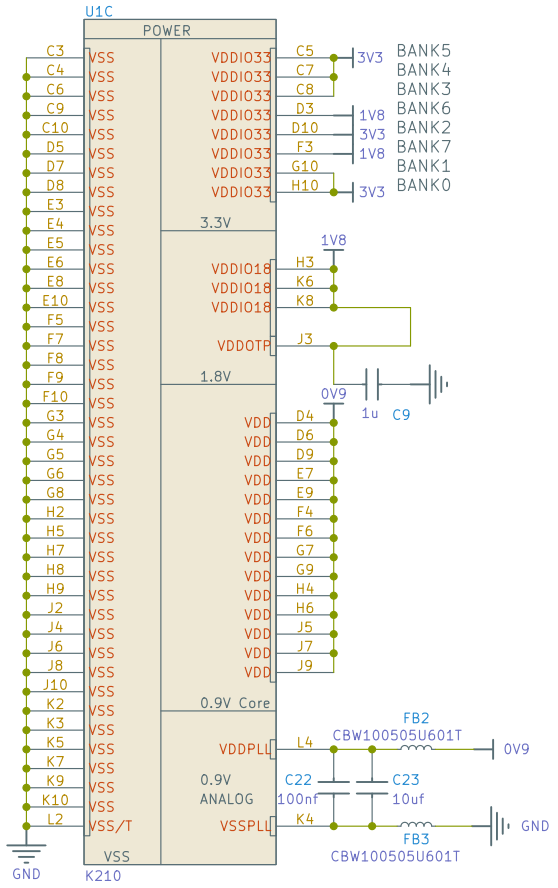




DC-DC







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