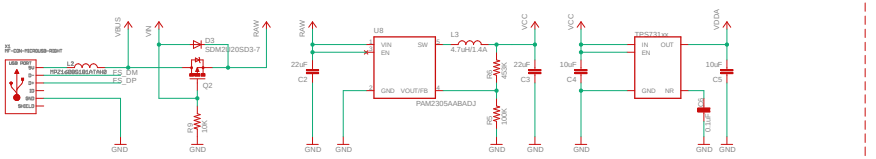
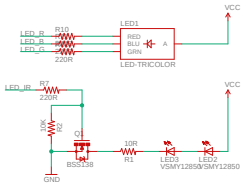
USB & POWER SUPPLY

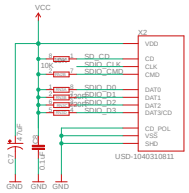
Notes:
The output voltage is calculated as below:
Vo = 0.6 * (1+R10/R5)



IR-RGB LEDs



SD CARD



STM32H7xx MCU

Notes:
PC13, PC14, PC15 and PI8 limited to 3mA/2MHz
No external termination series resistors are required on DP (D+) and DM (D-) pins since the matching impedance is included in the embedded driver.

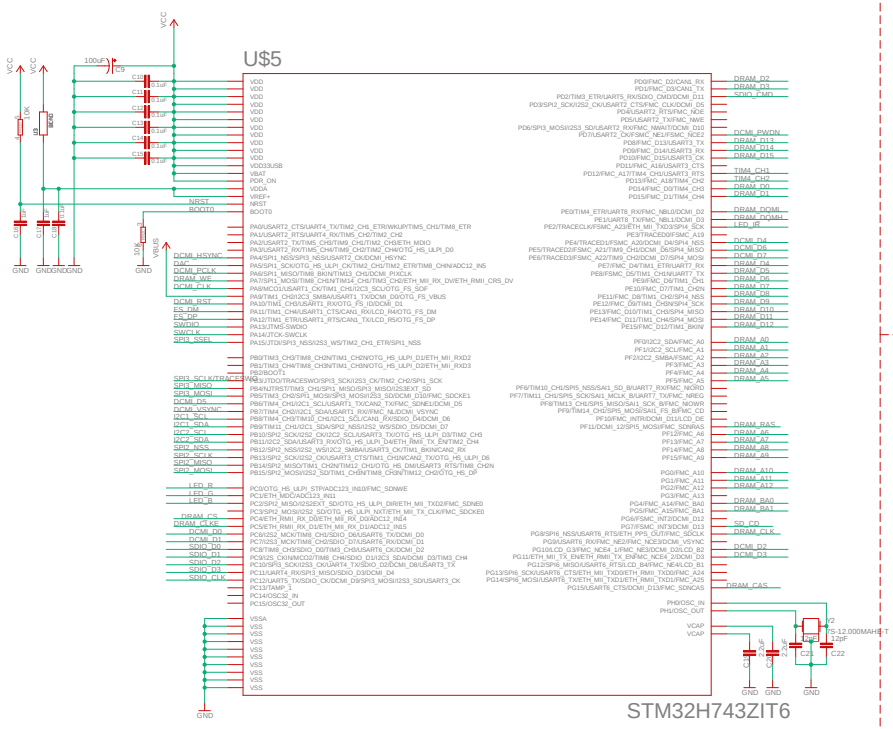
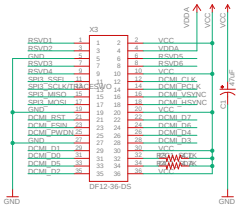
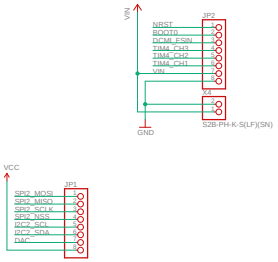


IMAGE SENSOR CONNECTOR

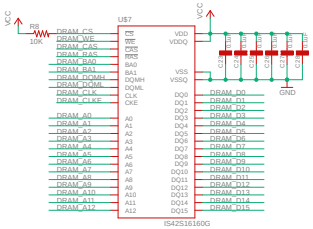


Notes:
Y[9:2] for 8-bit YUV or RGB (Y9 MSB, Y2 LSB)
DVDD not connected, using internal regulator

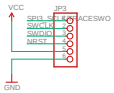
I/O HEADERS



16-BIT SDRAM



DEBUG HEADER



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