

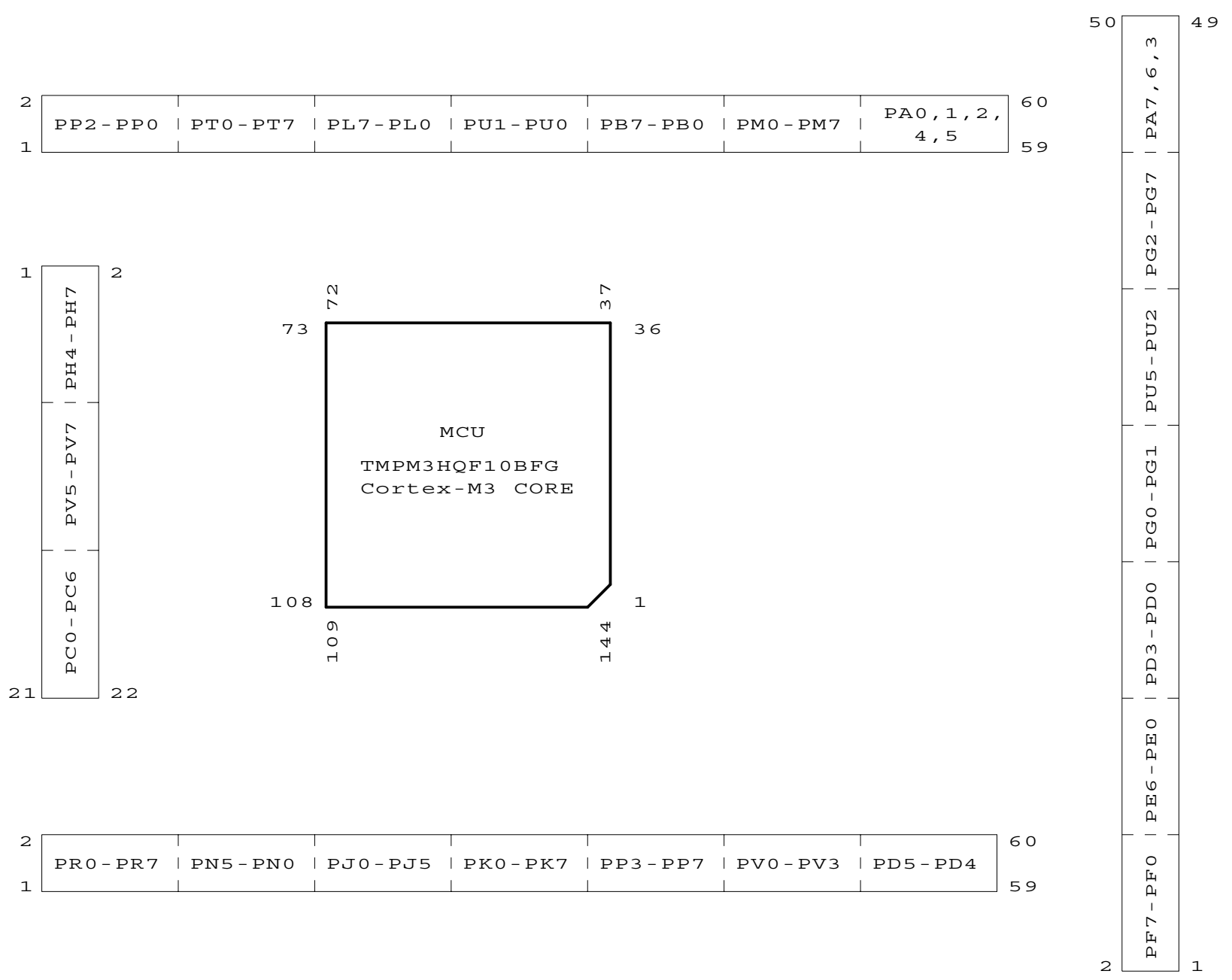
TMPM3HQF10BFG Evaluation Board Schematics

01. THIS SHEET
02. MCU TMPM3HQF10BFG (Cortex-M3)
03. PIN HEADER / Arduino CN
04. DAP TMPM366FDXBG
05. USER IO

TMPM3HQF10BFG Port Assign

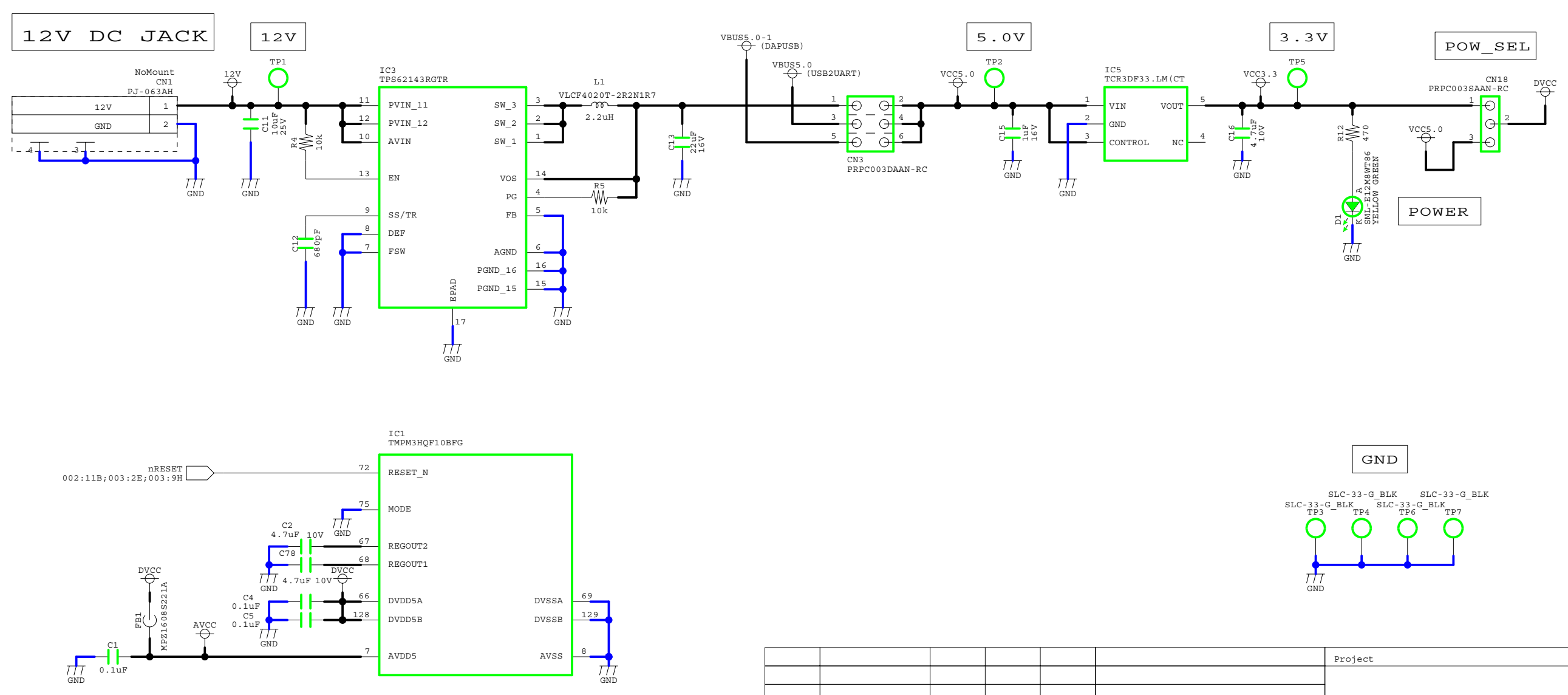
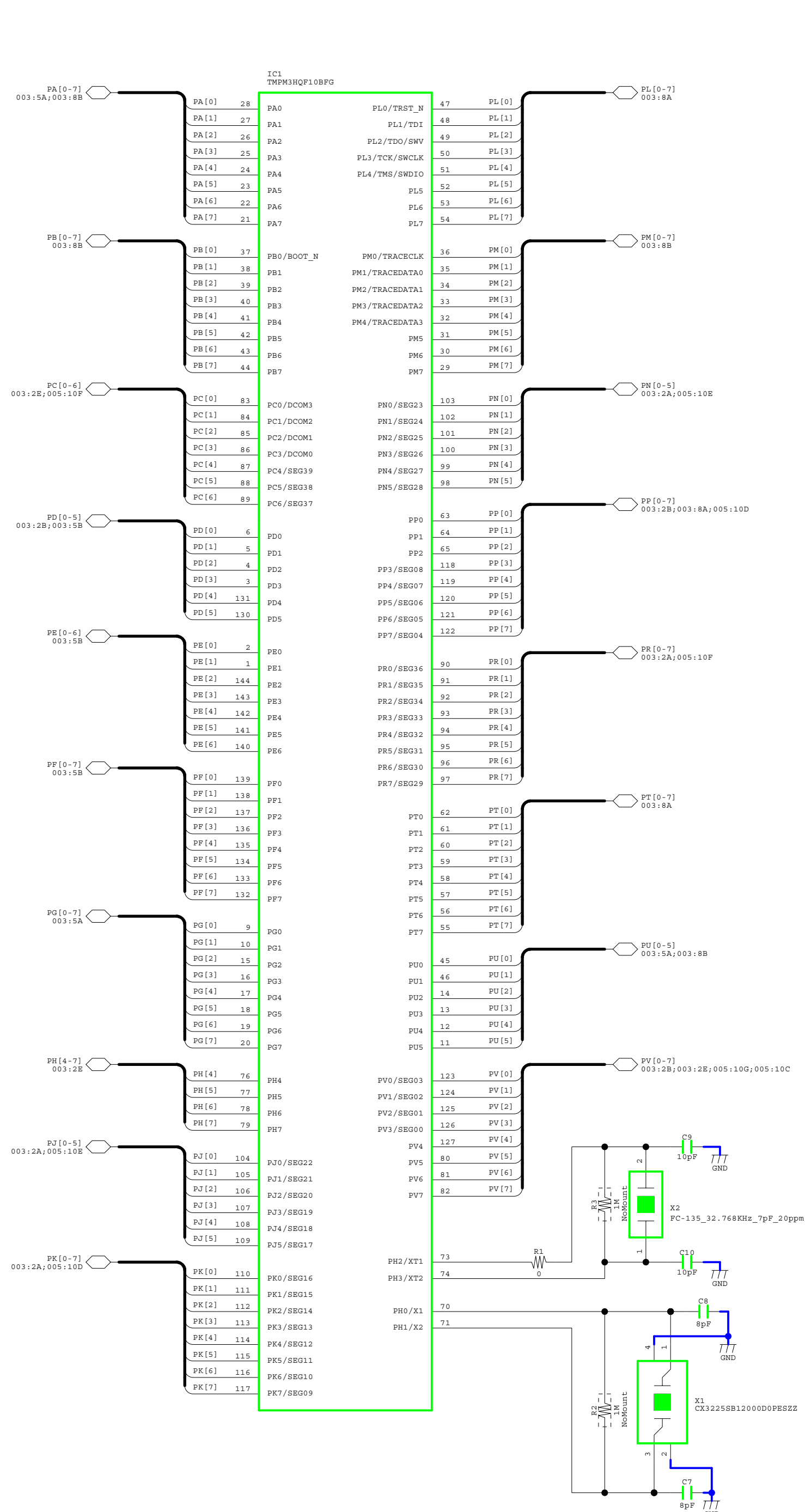
PA0 ...ARDUINO_IO10 (PWM)
 PA1 ...USB to UART (TXD)
 PA2 ...USB to UART (RXD)
 PA3 ...GPIO
 PA4 ...I2C (SCL)
 PA5 ...I2C (SDA)
 PA6-7...GPIO
 PB0 ...BOOT/GPIO
 PB1 ...REMOCON
 PB2 ...SENSOR (SPI_SCK)
 PB3 ...SENSOR (SPI_DO)
 PB4 ...SENSOR (SPI_DI)
 PB5 ...SENSOR (SPI_CS)
 PB6-7...GPIO
 PC0 ...ARDUINO_I2C (SCL) /DCOM3
 PC1 ...ARDUINO_I2C (SDA) /DCOM2
 PC2 ...STOP2/DCOM1
 PC3 ...ARDUINO_IO4/DCOM0
 PC4 ...ARDUINO_IO2/SEG39
 PC5 ...GPIO/SEG38
 PC6 ...GPIO/SEG37
 PD0-3...GPIO
 PD4-5...VOLUME
 PE0 ...NTC THERMISTOR
 PE1-6...GPIO
 PF0-1...GPIO
 PF2-7...ARDUNO_AIN
 PG0-1...DA
 PG2 ...ARDUINO_IO9 (PWM)
 PG3-7...GPIO
 PH0-3...XTAL
 PH4 ...nRESET
 PH5-7...GPIO
 PJ0 ...ARDUINO_IO5 (PWM) /SEG22
 PJ1 ...mbed UART (TXD) /SEG21
 PJ2 ...mbed UART (RXD) /SEG20
 PJ3 ...GPIO/SEG19
 PJ4 ...GPIO/SEG18
 PJ5 ...GPIO/SEG17
 PK0 ...GPIO/SEG16
 PK1 ...mbed IO/SEG15
 PK2 ...ARDUINO_IO3 (PWM) /SEG14
 PK3 ...mbed IO/SEG13
 PK4 ...LED/SEG12
 PK5 ...LED/SEG11
 PK6 ...LED/SEG10
 PK7 ...LED/SEG09
 PL0-4...SWD_IF/GPIO
 PL5-7...GPIO
 PM0-4...TRACE/GPIO
 PM5 ...GPIO
 PM6 ...ARDUINO_IO7
 PM7 ...GPIO
 PN0 ...ARDUINO_IO6 (PWM) /SEG23
 PN1 ...GPIO/SEG24
 PN2 ...GPIO/SEG25
 PN3 ...SENSOR (INT) /SEG26
 PN4 ...GPIO/SEG27
 PN5 ...GPIO/SEG28
 PP0 ...ARDUINO_IO11 (PWM)
 PP1-2...GPIO
 PP3 ...GPIO/SEG08
 PP4 ...GPIO/SEG07
 PP5 ...GPIO/SEG06
 PP6 ...DIPSW/SEG05
 PP7 ...DIPSW/SEG04

PR0 ...GPIO/SEG36
 PR1 ...GPIO/SEG35
 PR2 ...GPIO/SEG34
 PR3 ...GPIO/SEG33
 PR4 ...GPIO/SEG32
 PR5 ...GPIO/SEG31
 PR6 ...GPIO/SEG30
 PR7 ...GPIO/SEG29
 PT0 ...ARDUINO_IO8
 PT1 ...ARDUINO_IO10 (SPI_CS)
 PT2 ...ARDUINO_IO13 (SPI_SCK/PWM)
 PT3 ...ARDUINO_IO11 (SPI_MOSI)
 PT4 ...ARDUINO_IO12 (SPI_MISO)
 PT5-7...GPIO
 PU0-5...GPIO
 PV0 ...PUSHSW/SEG03
 PV1 ...PUSHSW/SEG02
 PV2 ...PUSHSW/SEG01
 PV3 ...PUSHSW/SEG00
 PV4-5...GPIO
 PV6 ...ARDUINO_IO1 (UART_TXD)
 PV7 ...ARDUINO_IO0 (UART_RXD)



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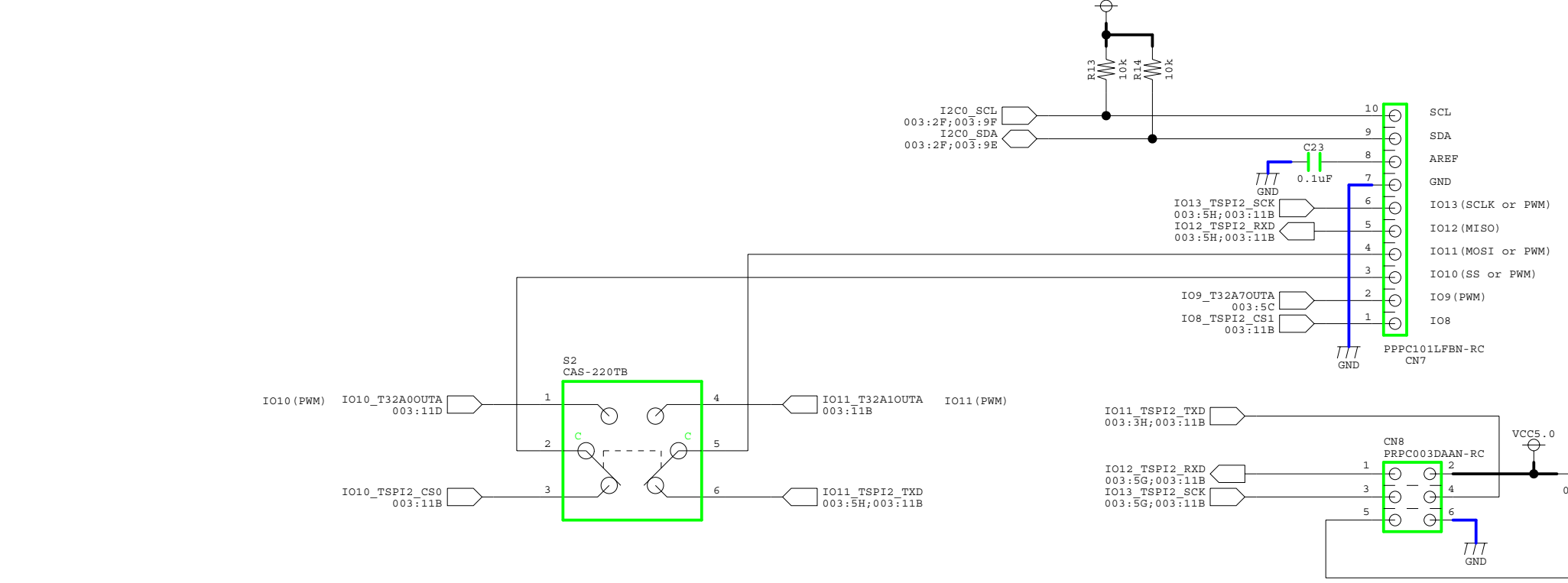
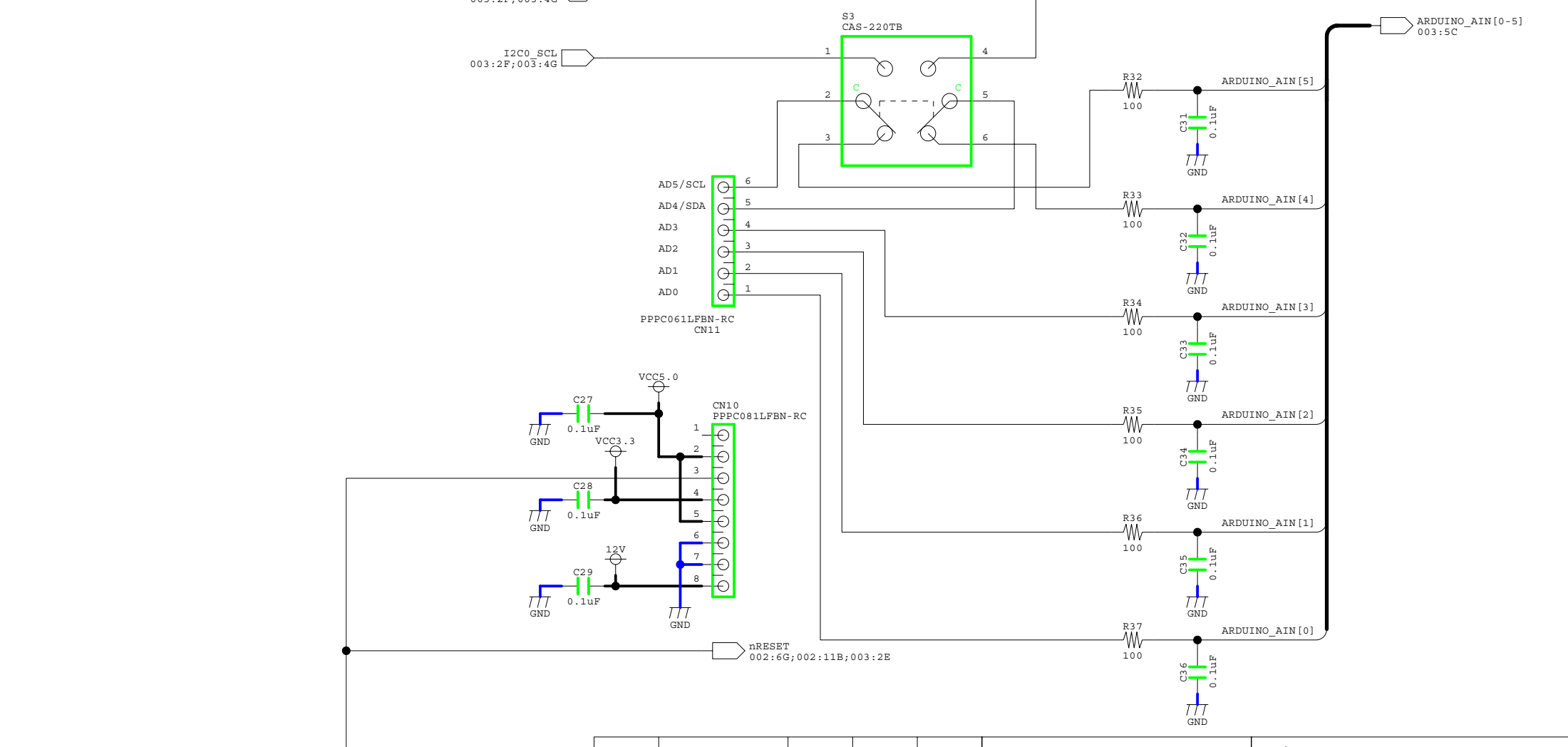
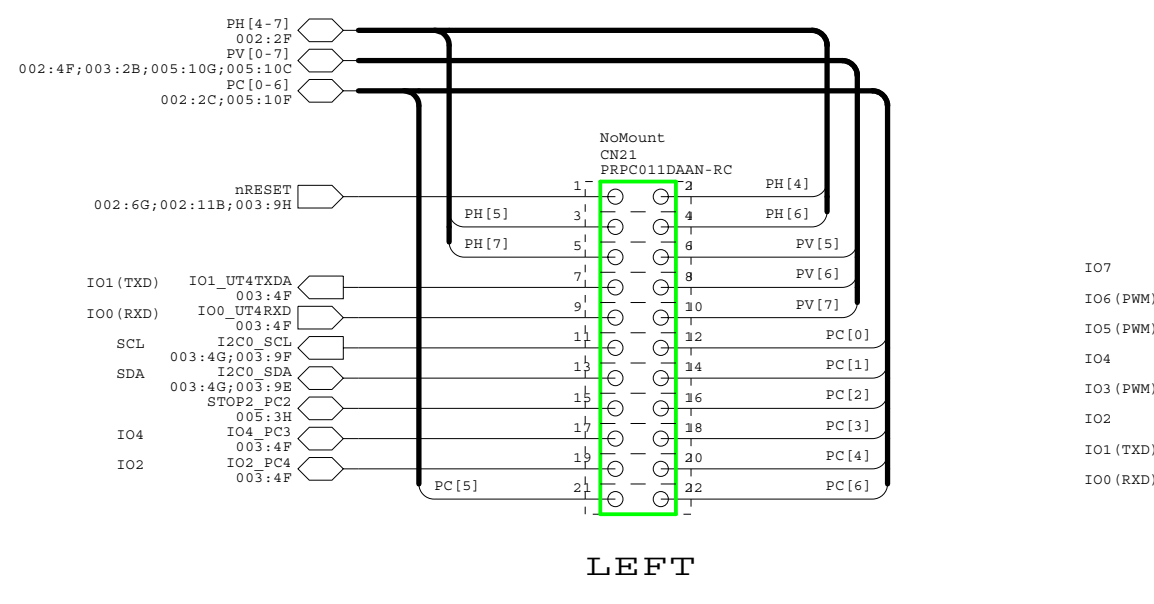
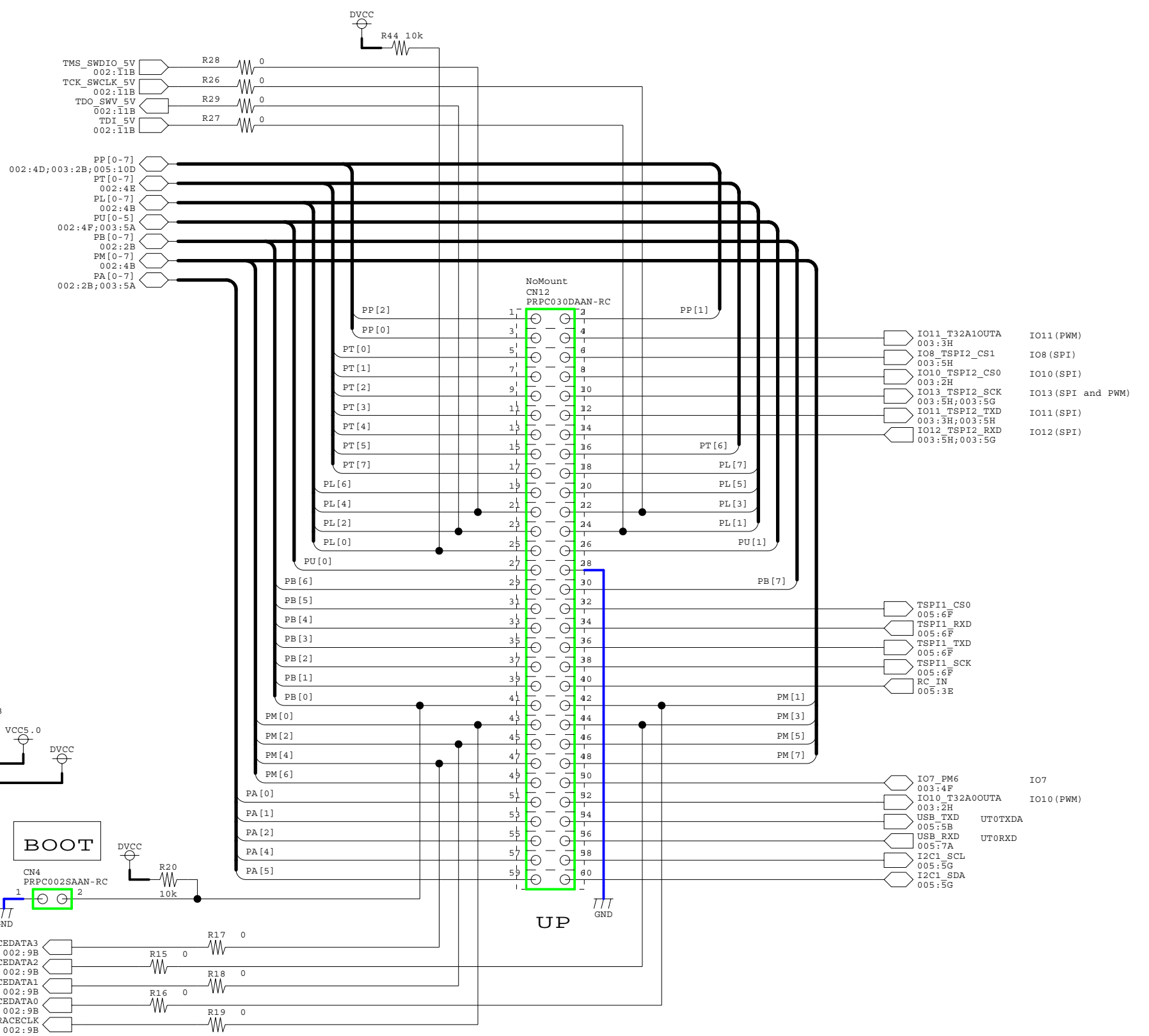
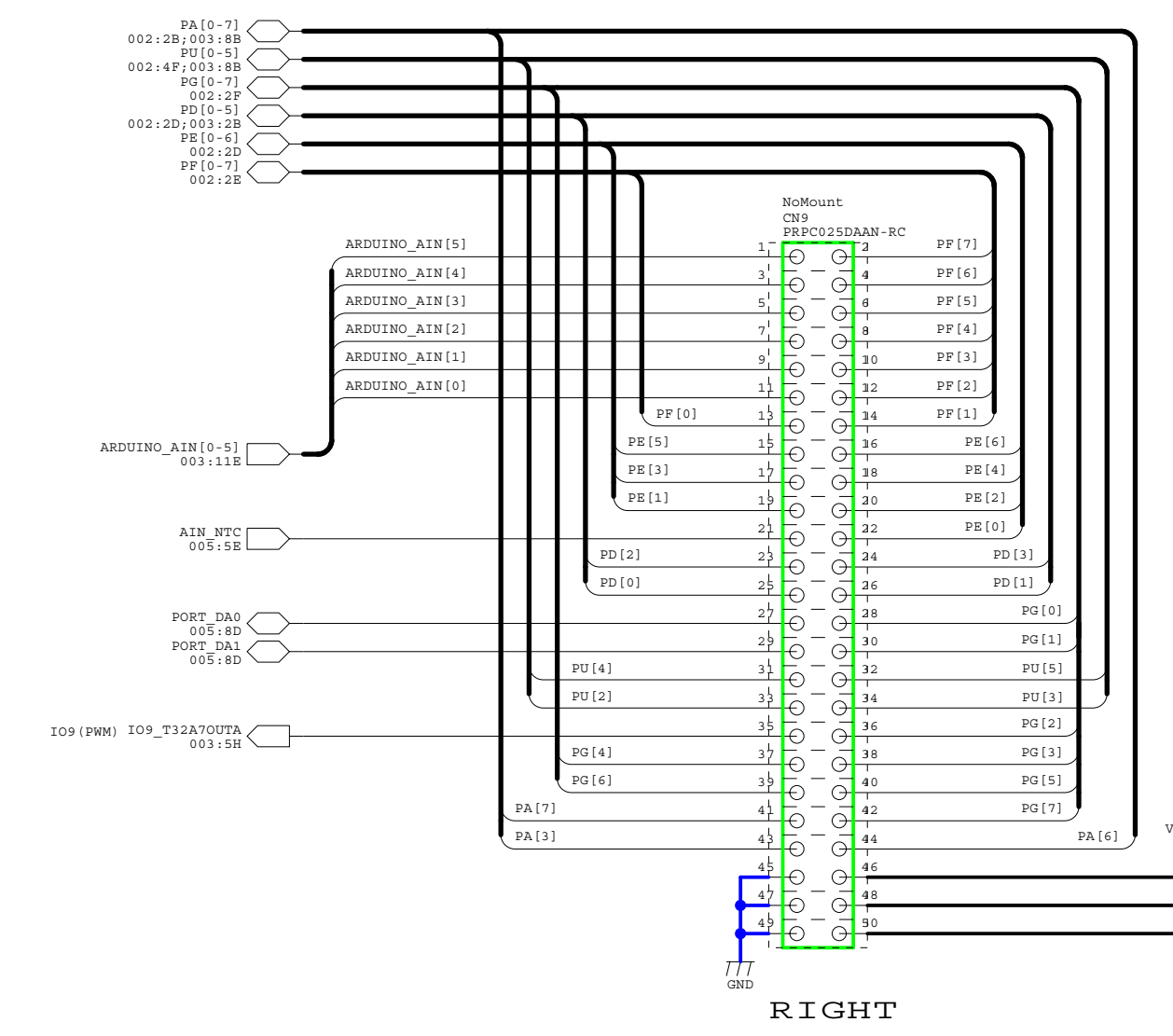
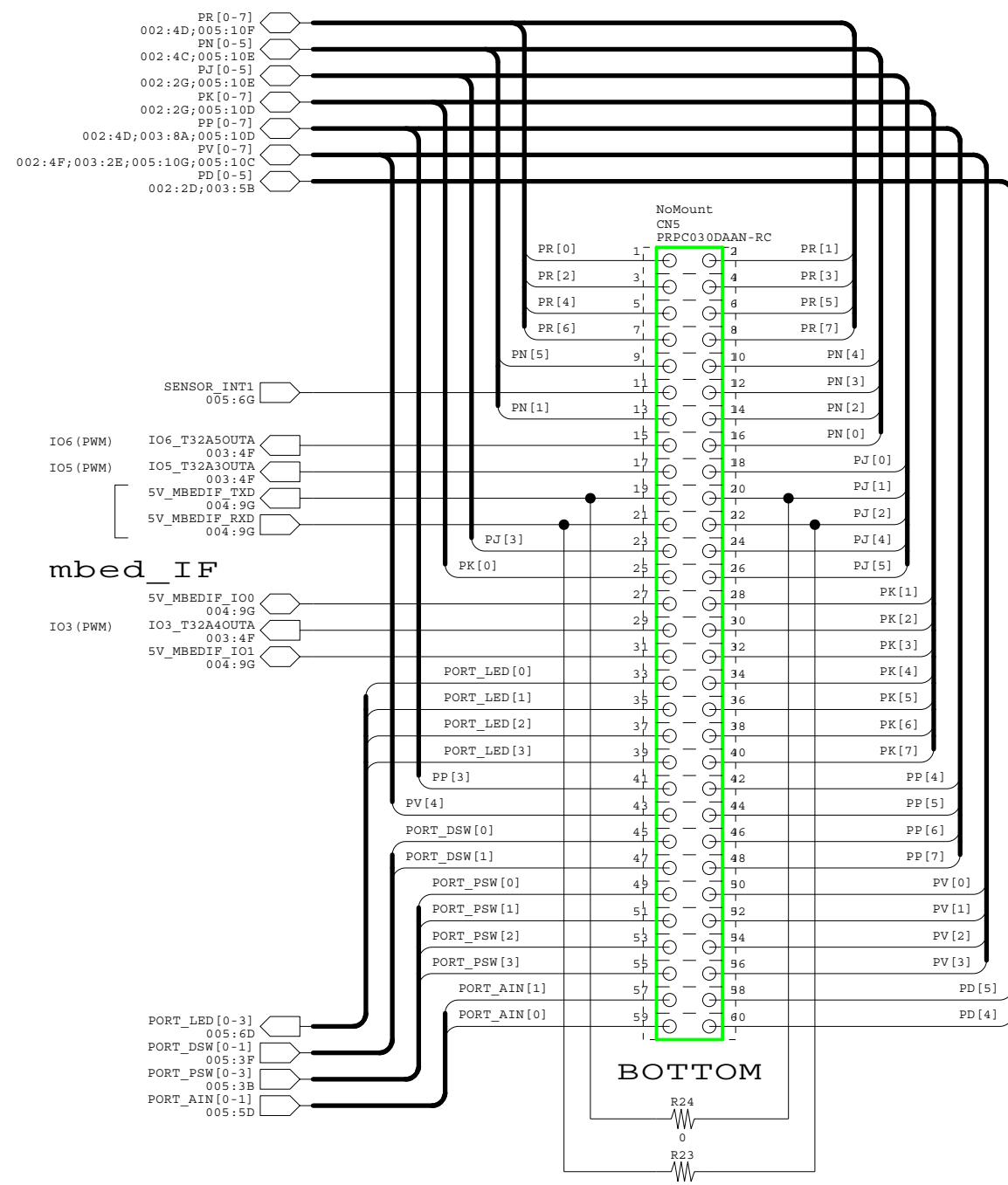
02. MCU TMPM3HQF10BFG (Cortex-M3) / SWJ / POWER



- 1.VTREF TMS_SWDIO.2
- 3.GND TCK_SWCLK.4
- 5.GND TDI_SVW.6
- 7.KEY TDI.8
- 9.GND nSRST.10
- 11.NC TRACECLK.12
- 13.NC TRACEDATA0.14
- 15.GND TRACEDATA1.16
- 17.GND TRACEDATA2.18
- 19.GND TRACEDATA3.20

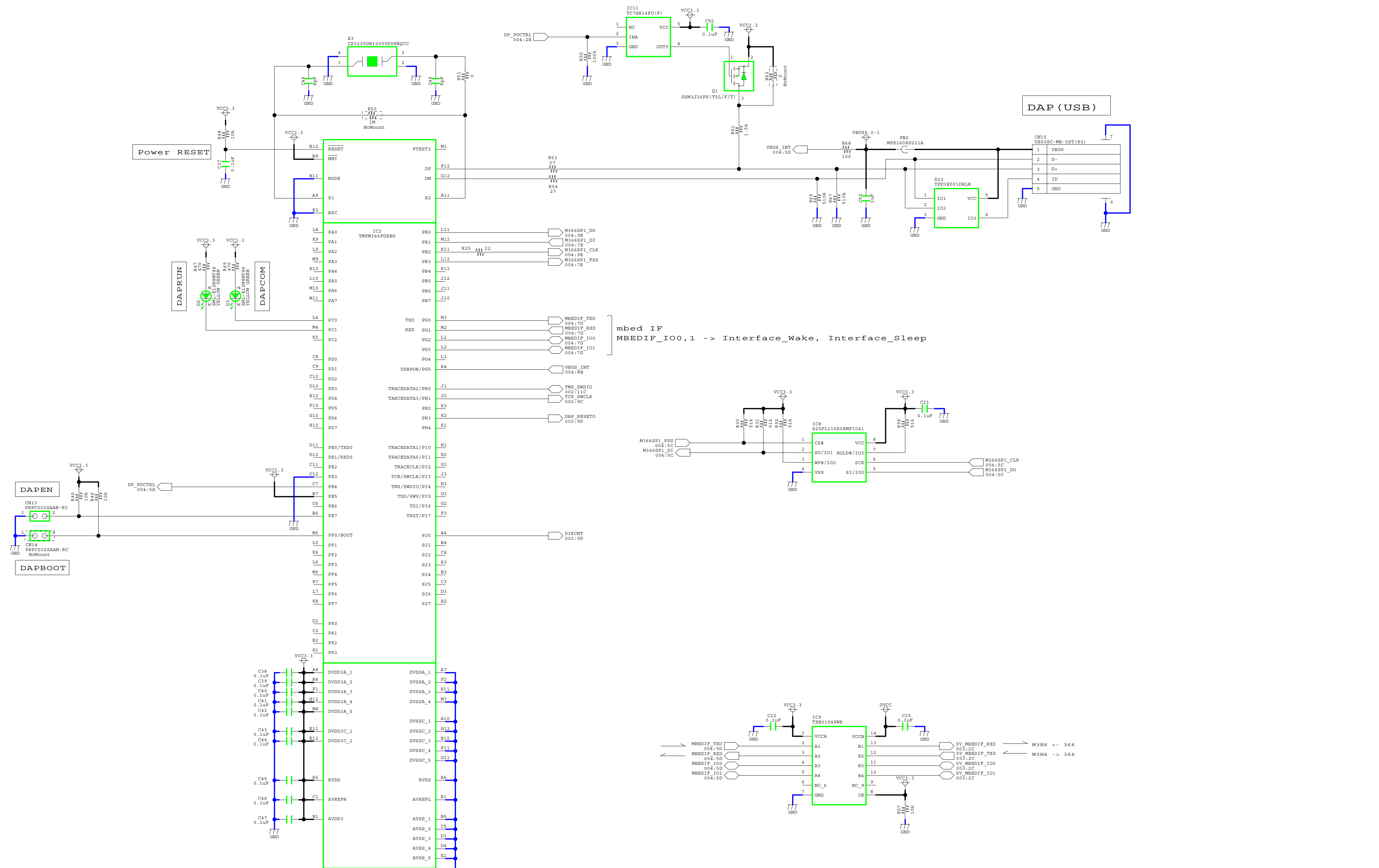
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03. PIN HEADER / Arduino CN

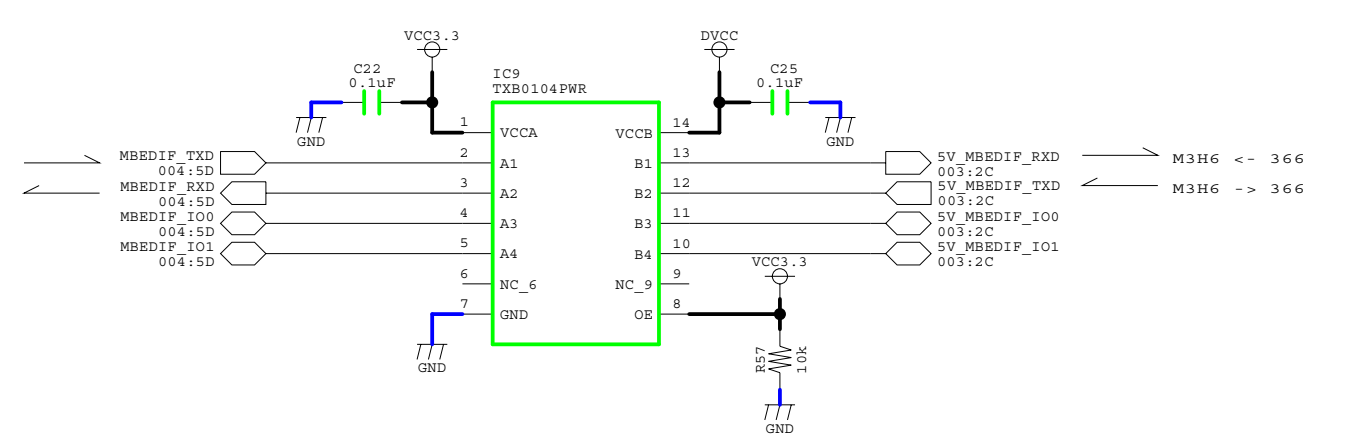
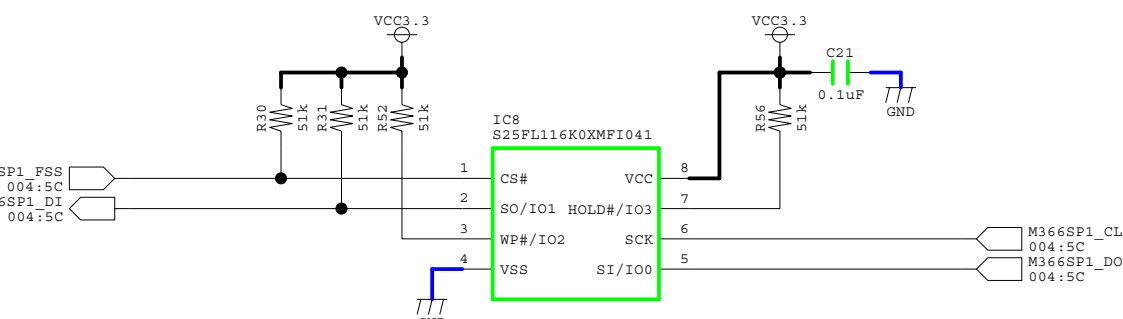


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04. DAP TMPM366FDXBG / SLC NAND

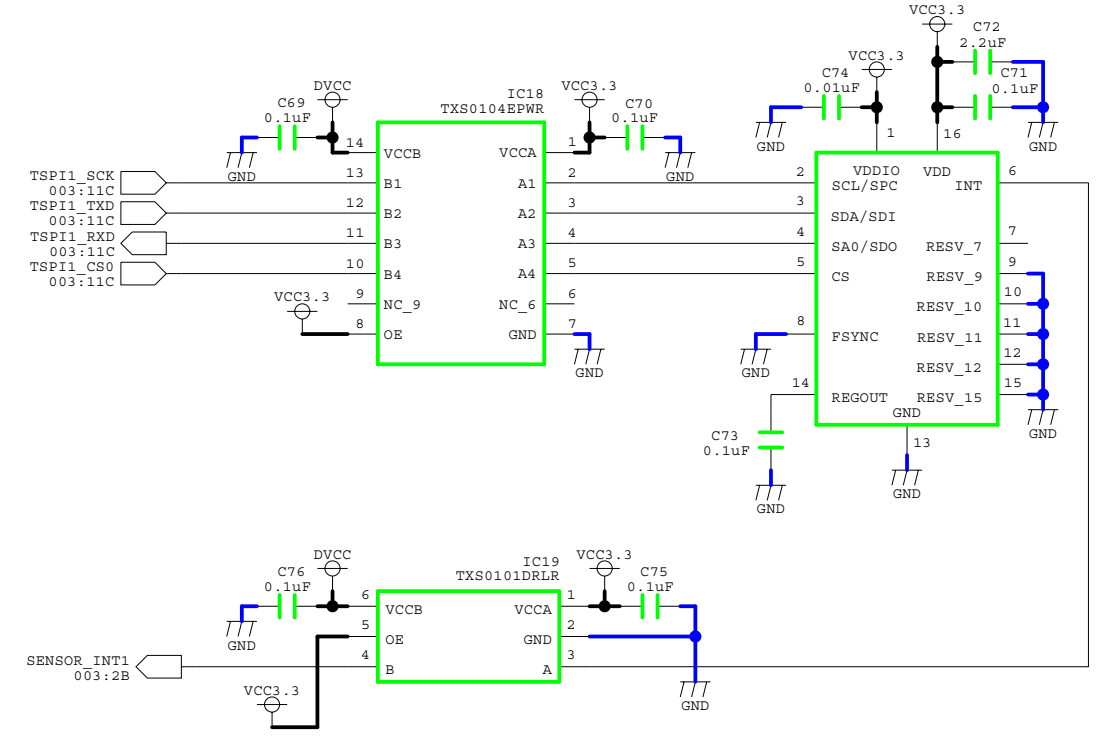
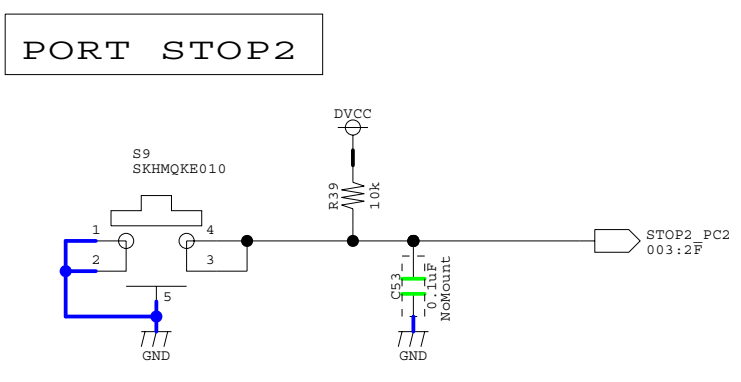
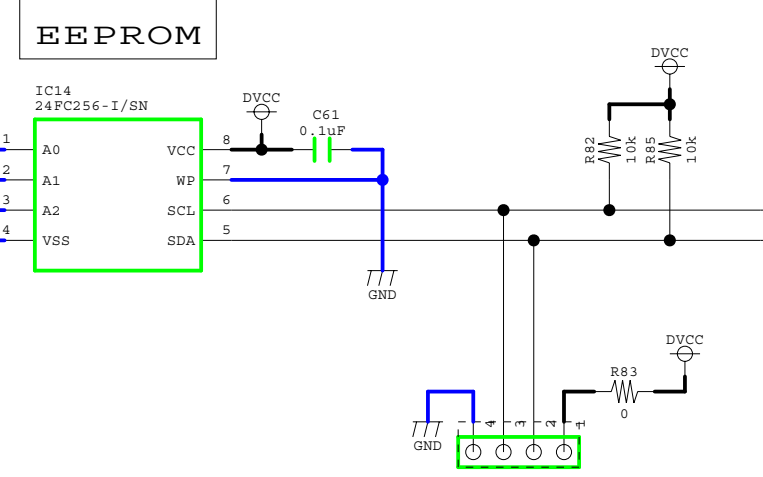
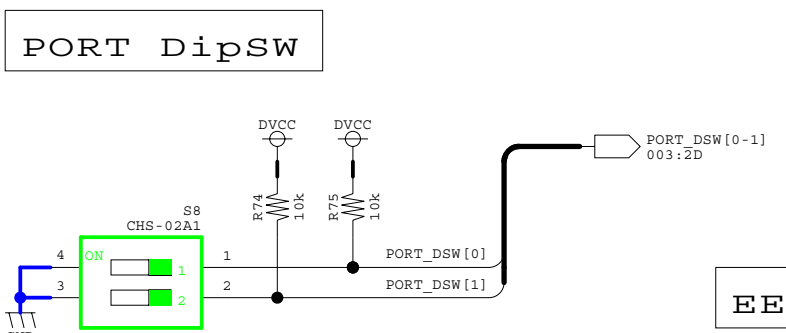
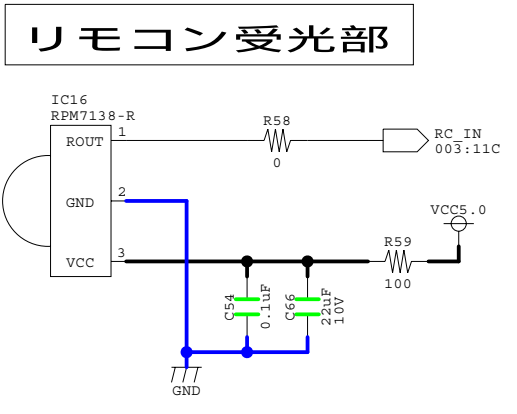
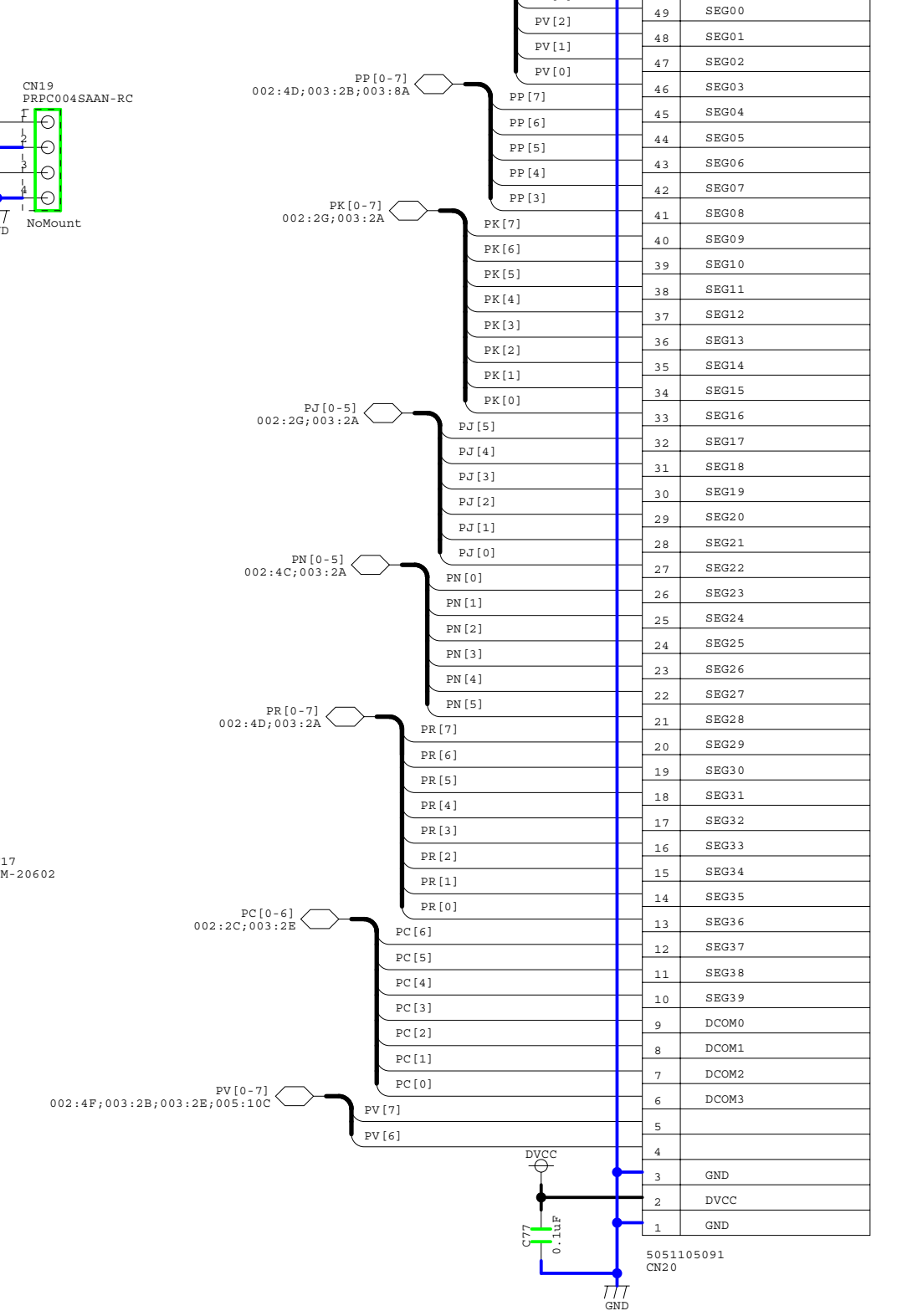
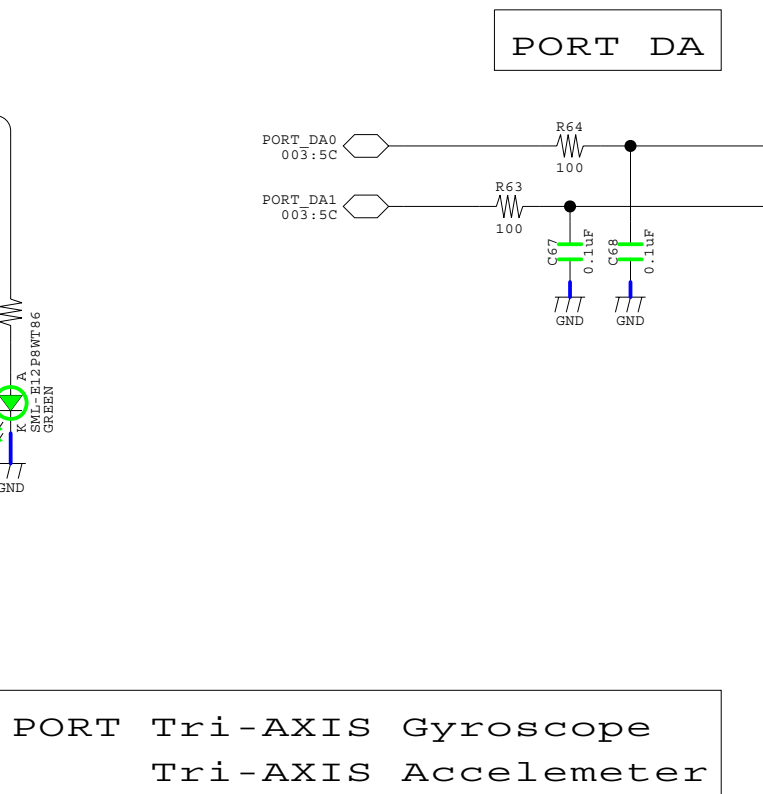
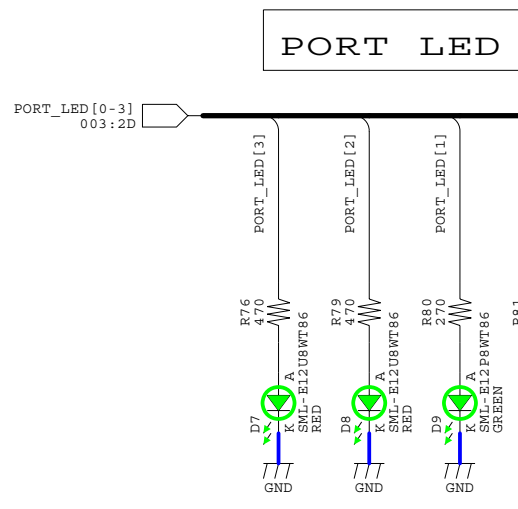
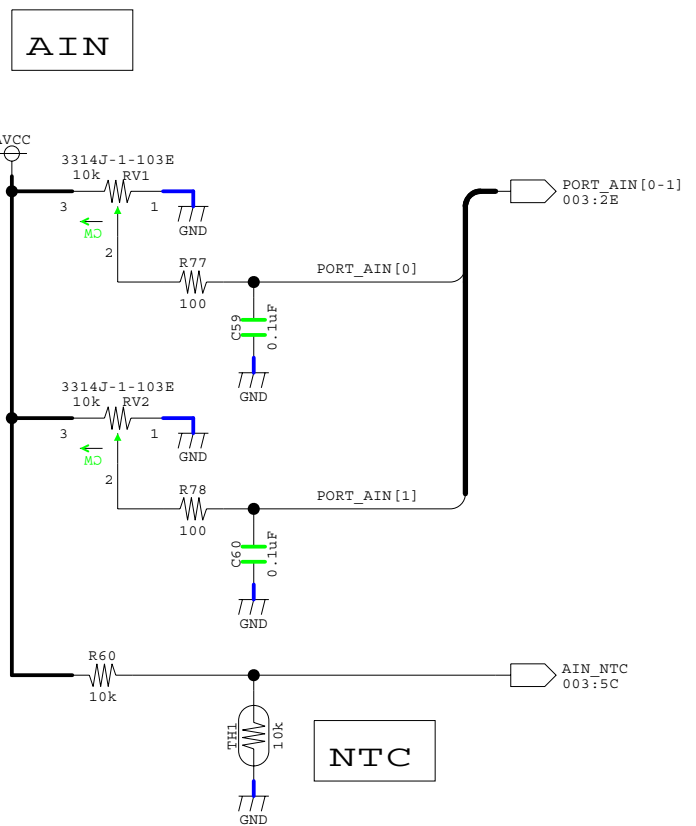
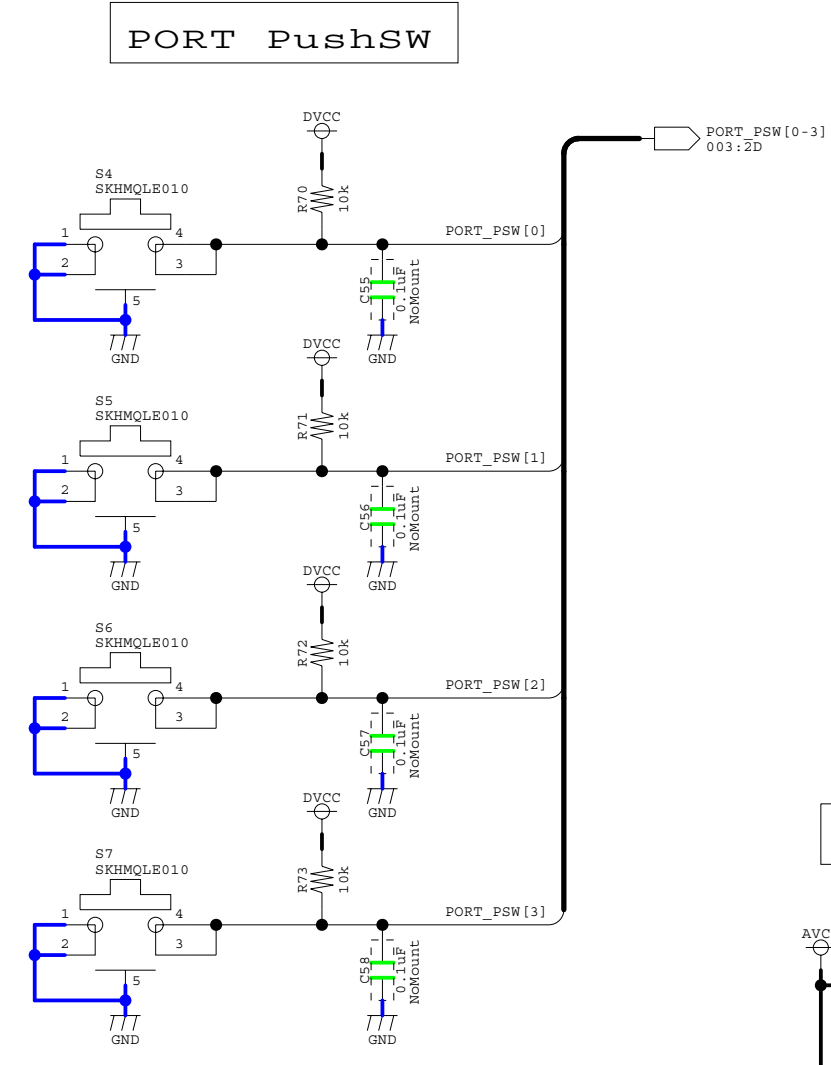


mbed IF
 MBEDIF_IO0,1 -> Interface_Wake, Interface_Sleep



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05. USER IO



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