

Pin configuration

Input, internal pullup:
 PB1 (nc)
 PB2 (nc)
 PB3 (icsp)
 PB4 (icsp)
 PB5 (icsp)
 PC2 (nc)
 PC3 (nc)

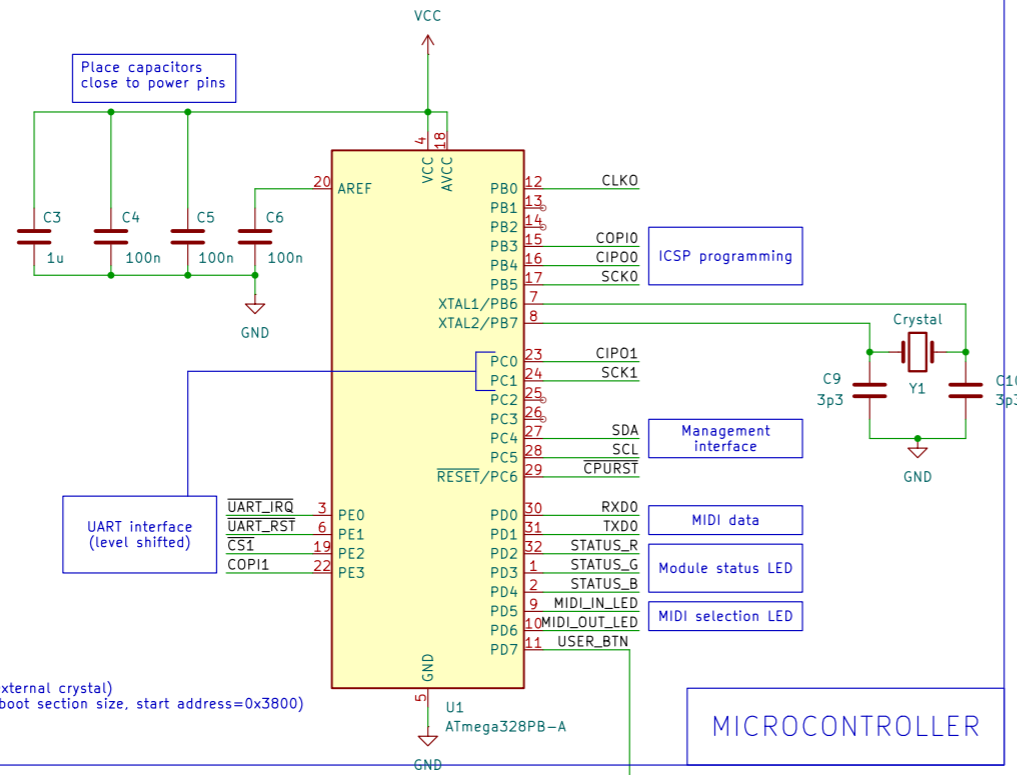
Input, no internal pullup:
 PB7
 PE0

Output:
 PD2
 PD3
 PD4
 PD5
 PD6
 PE1

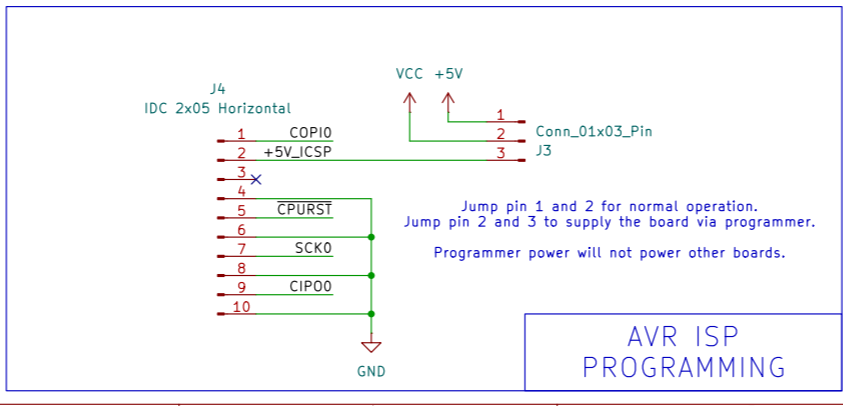
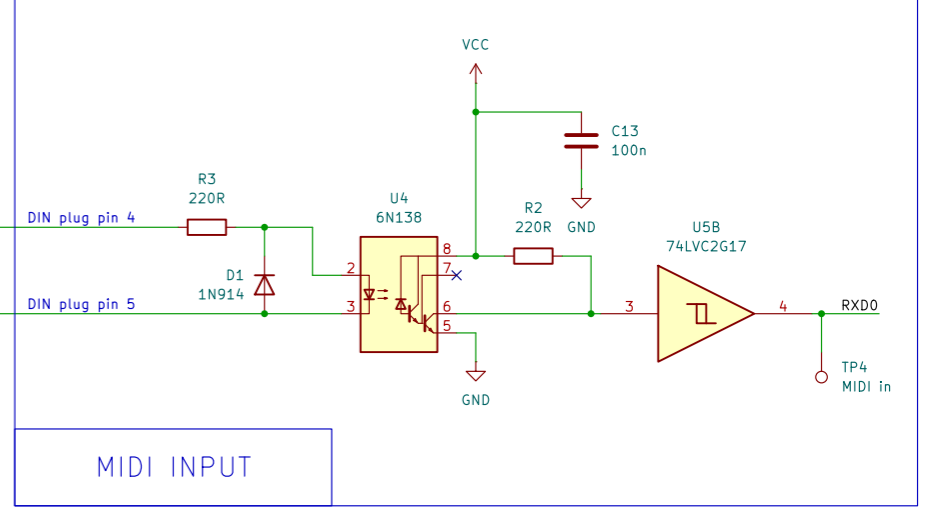
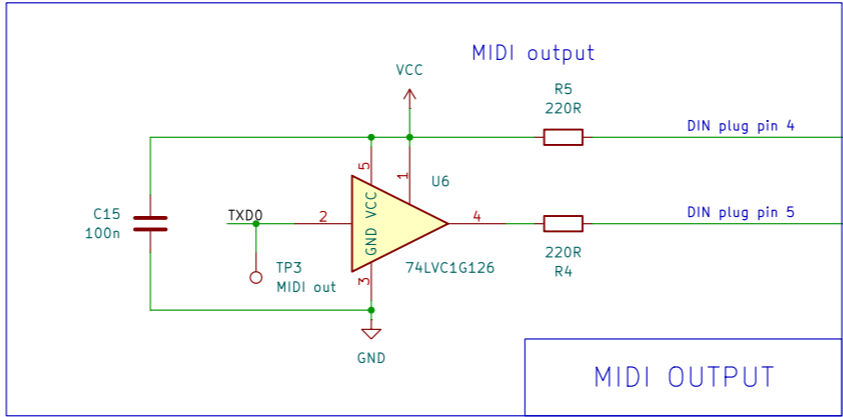
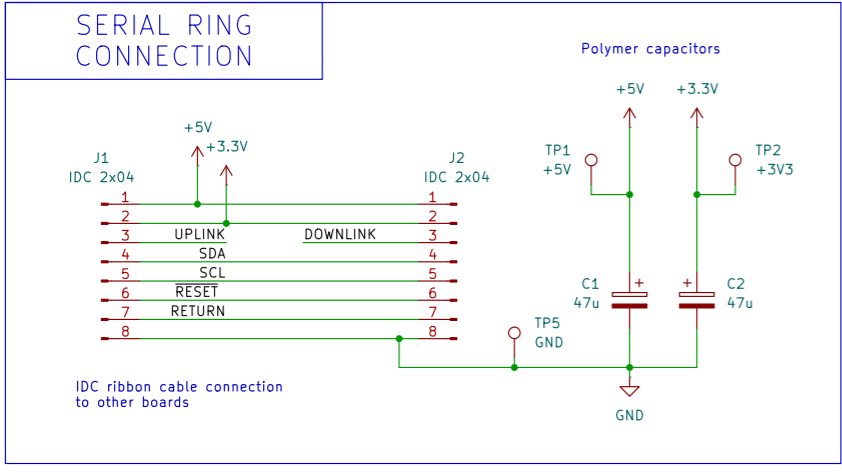
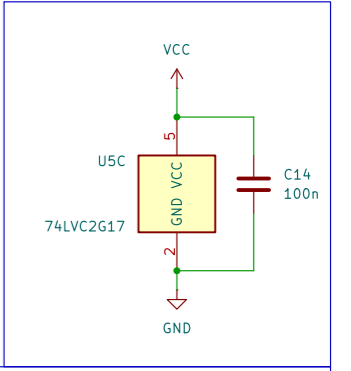
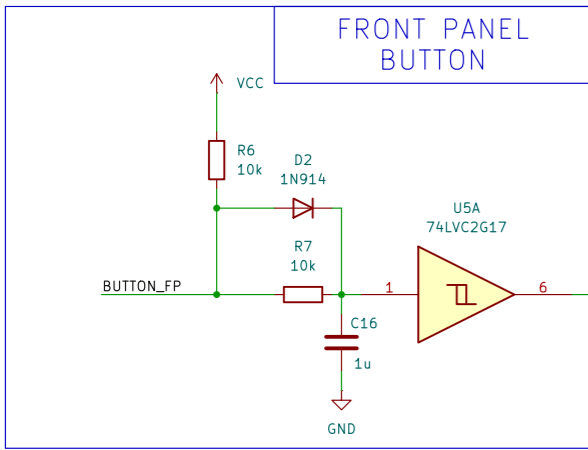
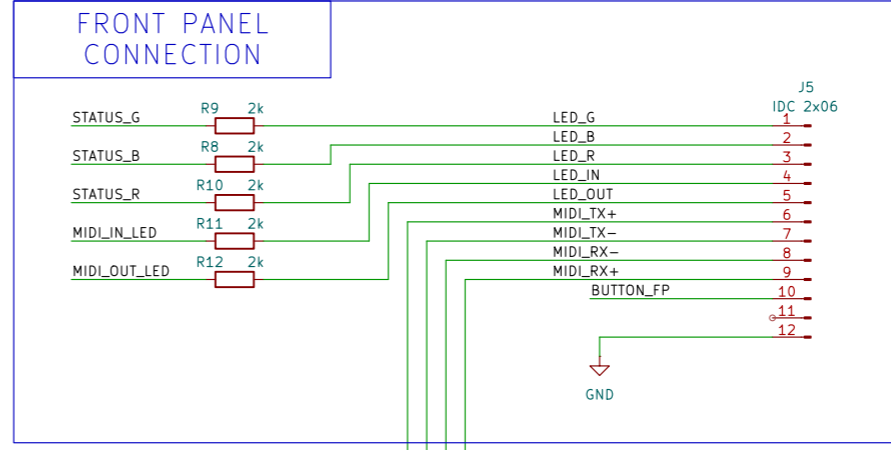
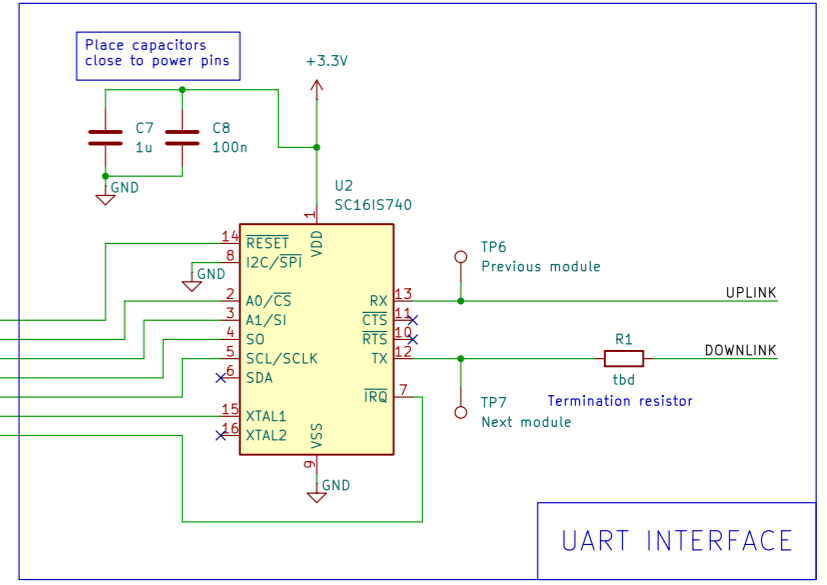
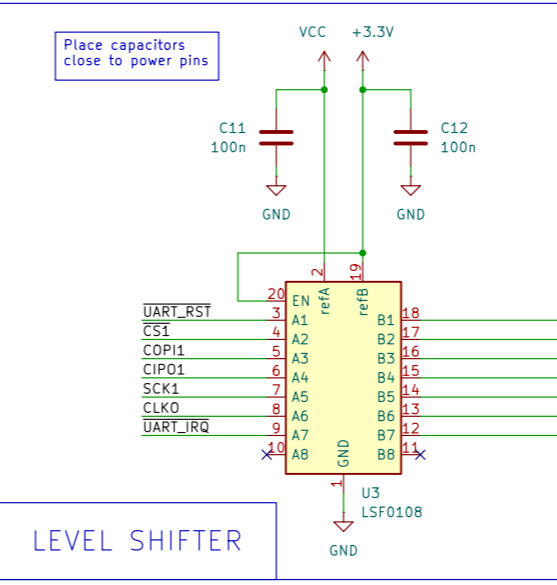
TWI/ I2C (management interface):
 PC4
 PC5

UART 0 (MIDI interface):
 PD0
 PD1

SPI 1 (External UART interface):
 PC0
 PC1
 PE2
 PE3



Fuse configuration:
 Low fuse: 0xBF (CLK output on PB0, no divider, external crystal)
 High fuse: 0xD9 (SPI programming enable, 2048 boot section size, start address=0x3800)
 Extended fuse: 0xFC (Brown out level 4.3V)
 Lockbit: 0x00 (no locks)



You are free to use this design in your projects.

Nekai Electronics
 Sheet: /
 File: midi-din-io-board.kicad_sch
Title: ArachMID DIN MIDI Interface board
 Size: A3 Date: 2024-11-11 Rev: 1
 KiCad E.D.A. 9.0.1 Id: 1/1