Bus interface: decode and byte lanes

File: io-card-1.kicad_sch

Interval timer: control and counters

File: io-card-2.kicad_sch

Interval timer: reload and read-back paths

File: io-card-3.kicad_sch

UARTs 0 and 1 (tty0, tty1)

File: io-card-4.kicad_sch

UARTs 2 and 3 (tty2, tty3)

File: io-card-5.kicad_sch

Status bus, the ports, the real-time clock

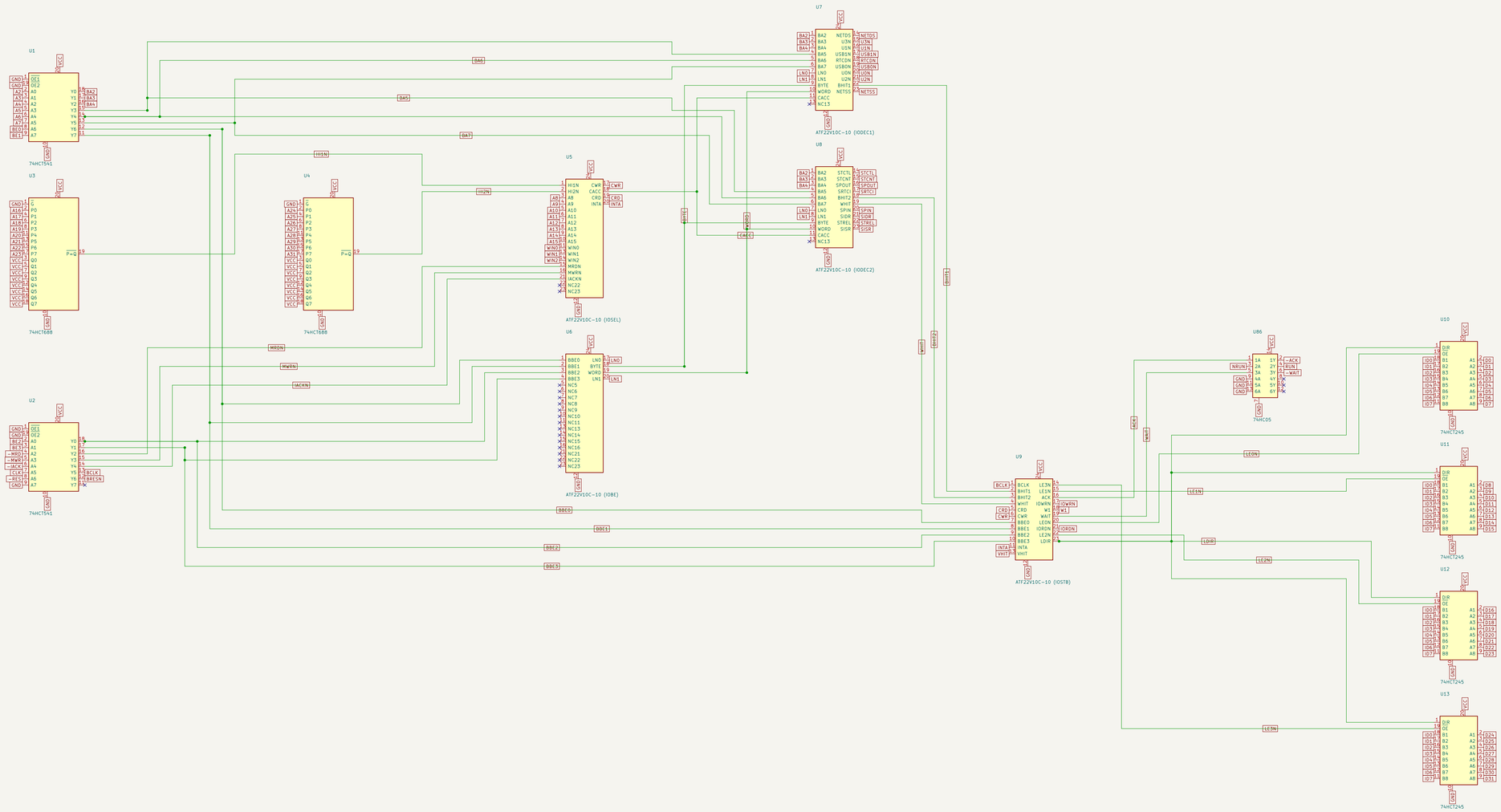
File: io-card-6.kicad_sch

Generated by generators/p32kicad_sch.py — do not edit
Root sheet: one block per functional sheet
P32W

Sheet: /
File: io-card.kicad_sch

Title: P32W I/O CARD

Size: A4	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 1/13



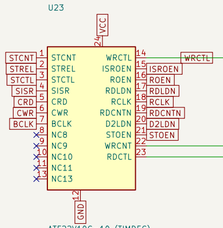
Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
Bus interface: decode and byte lanes
P32W

Sheet: /Bus interface: decode and byte lanes/
File: io-card-1.kicad_sch

Title: P32W I/O CARD

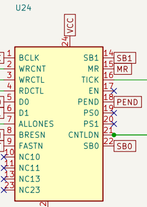
Size: A1	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 2/13

U23



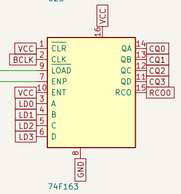
ATF22V10C-10 (TIMDEC)

U24



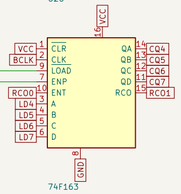
ATF22V10C-10 (TIMCTL)

U25



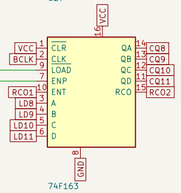
74F163

U26



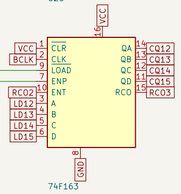
74F163

U27



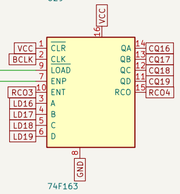
74F163

U28



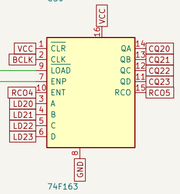
74F163

U29



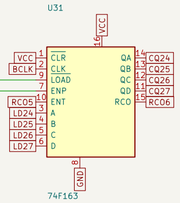
74F163

U30



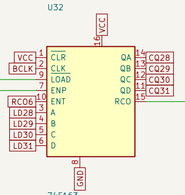
74F163

U31



74F163

U32



74F163

HCK

ALLONES

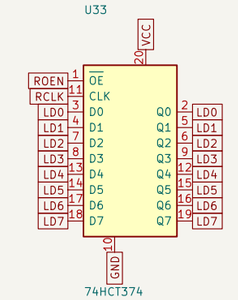
Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
Interval timer: control and counters

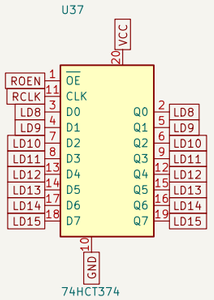
P32W

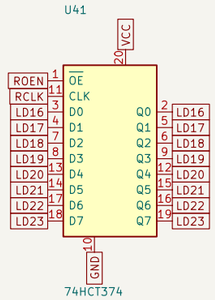
Sheet: /Interval timer: control and counters/
File: io-card-2.kicad_sch

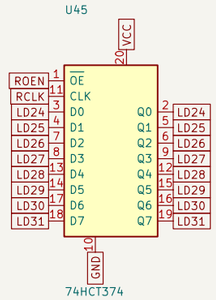
Title: P32W I/O CARD

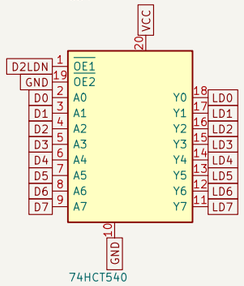
Size: A2	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 3/13

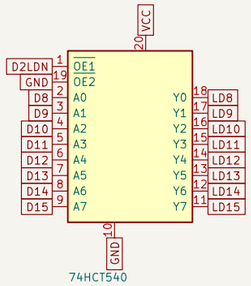


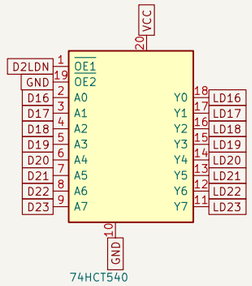


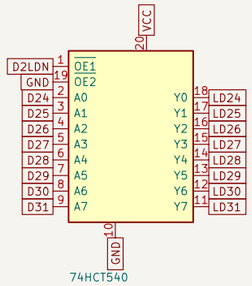


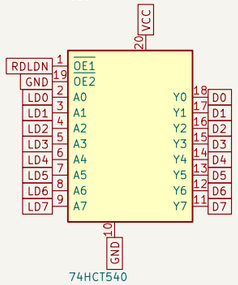


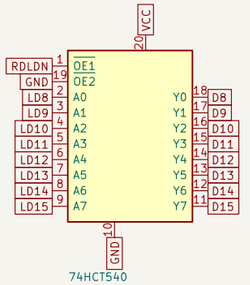


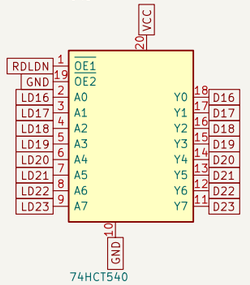


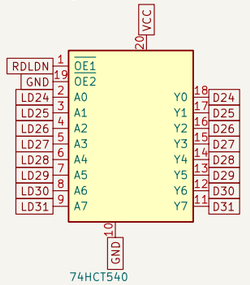


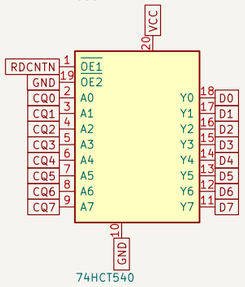


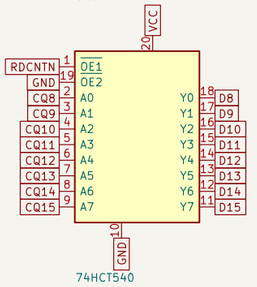


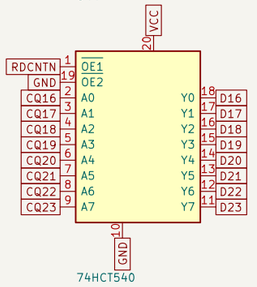


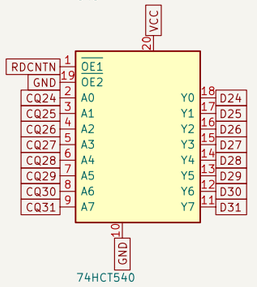












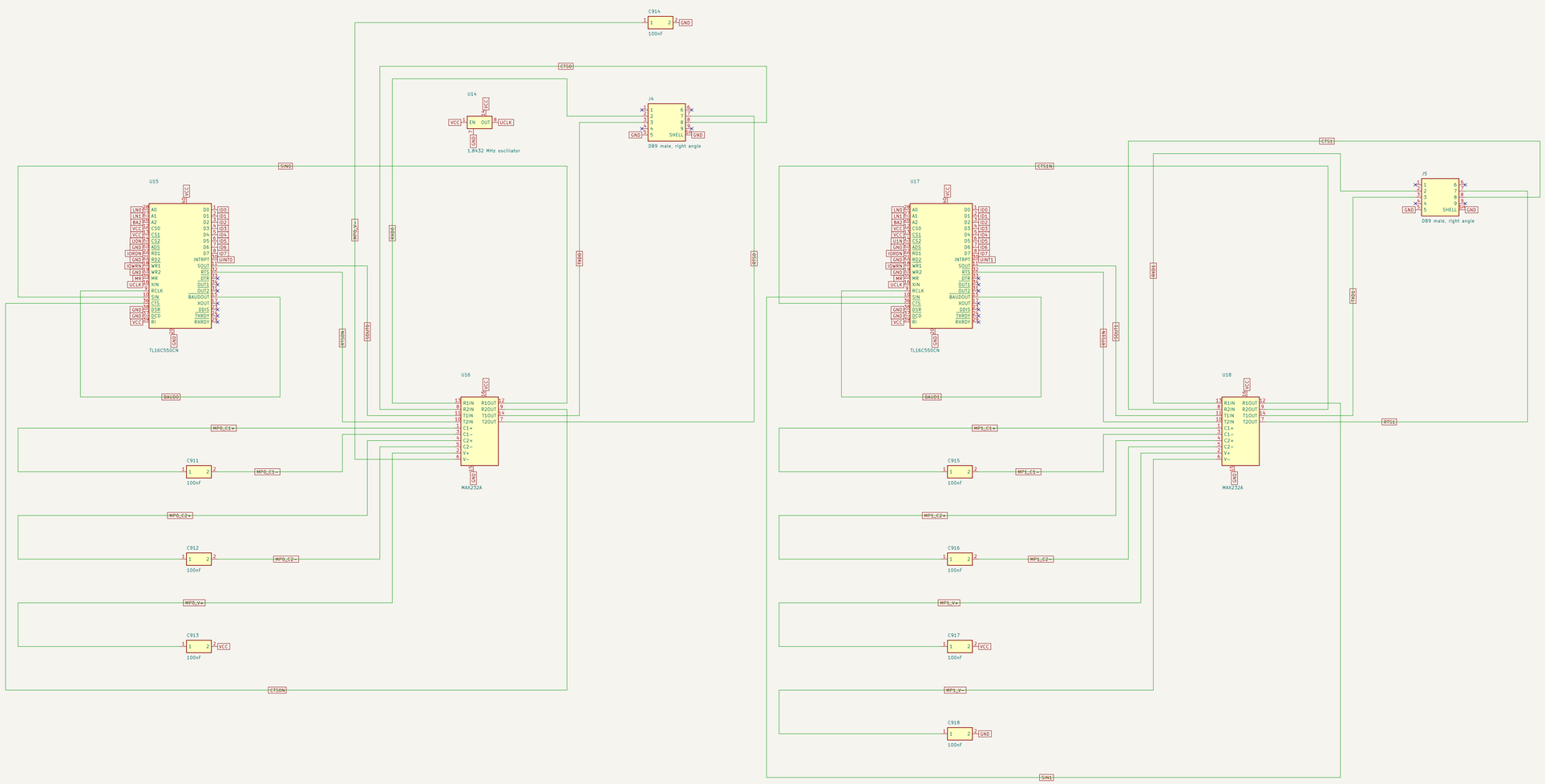
Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
Interval timer: reload and read-back paths

P32W

Sheet: /Interval timer: reload and read-back paths/
File: io-card-3.kicad_sch

Title: P32W I/O CARD

Size: A3	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 4/13



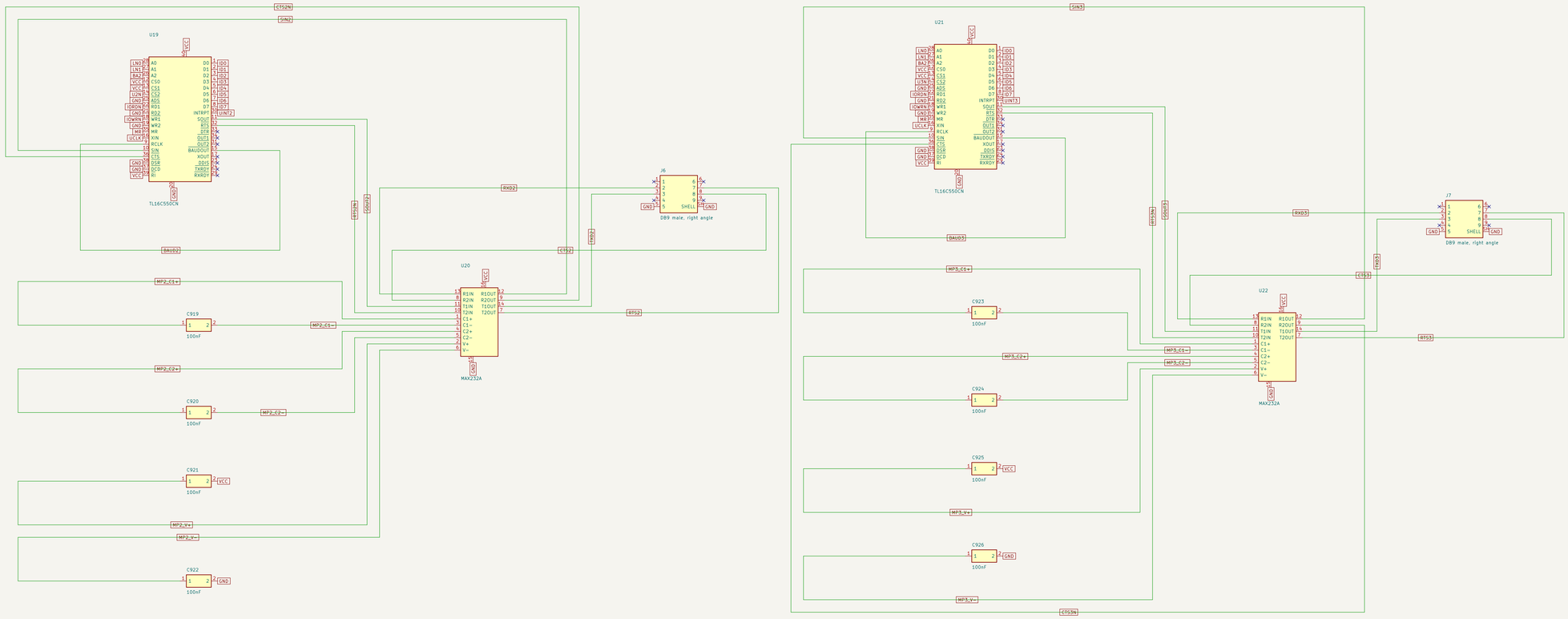
Generated by generators/p32klcad_sch.py from generators/card_io.py — do not edit
UARTs 0 and 1 (tty0, tty1)

P32W

Sheet: /UARTs 0 and 1 (tty0, tty1)/
File: io-card-4.klcad_sch

Title: P32W I/O CARD

Size: A1	Date:	Rev:
KiCad E.D.A. 10.0.6		id: 5/13



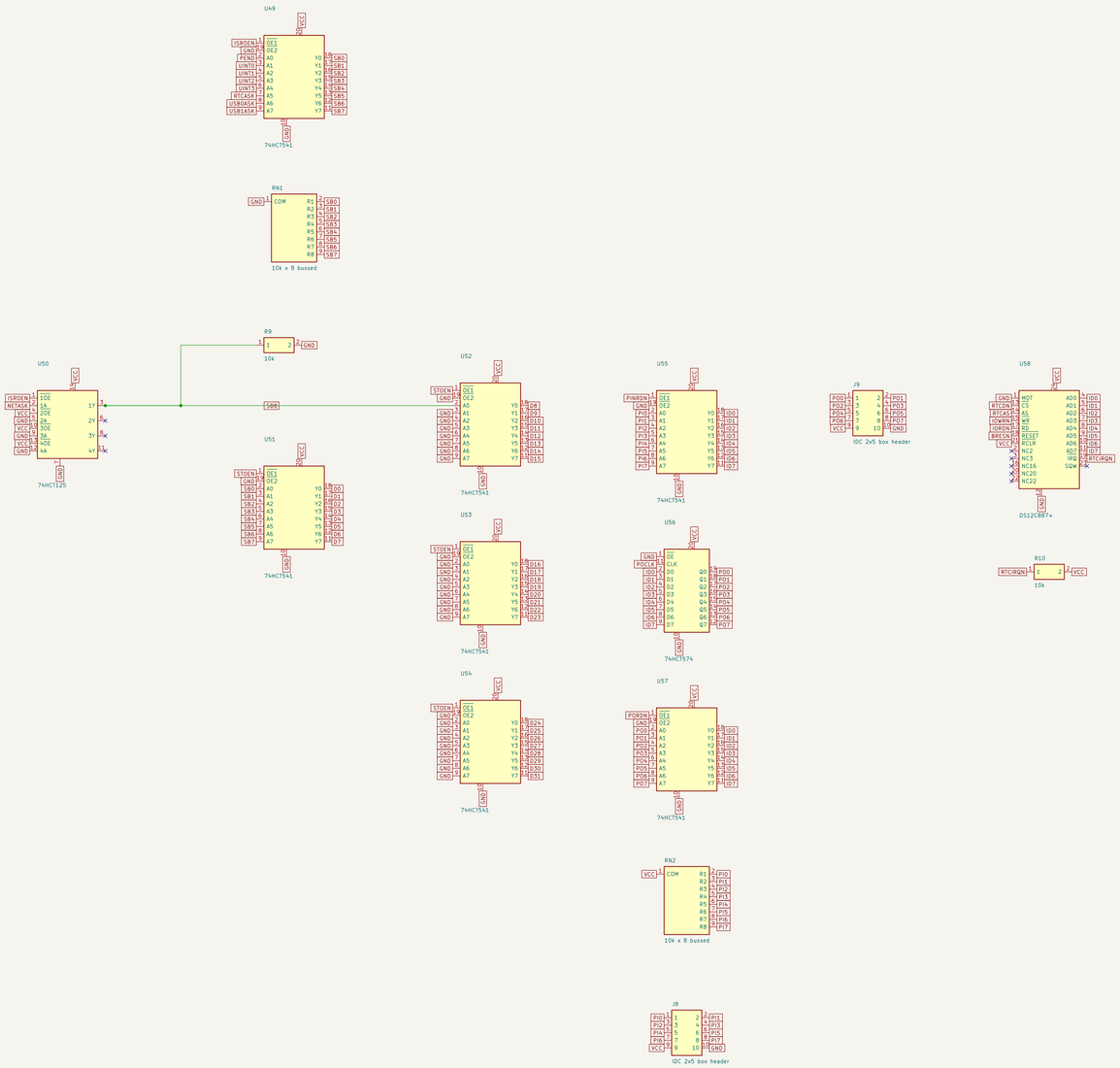
Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
UARTs 2 and 3 (tty2, tty3)

P32W

Sheet: /UARTs 2 and 3 (tty2, tty3)/
File: io-card-5.kicad_sch

Title: P32W I/O CARD

Size: A1	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 6/13



Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit

Status bus, the ports, the real-time clock

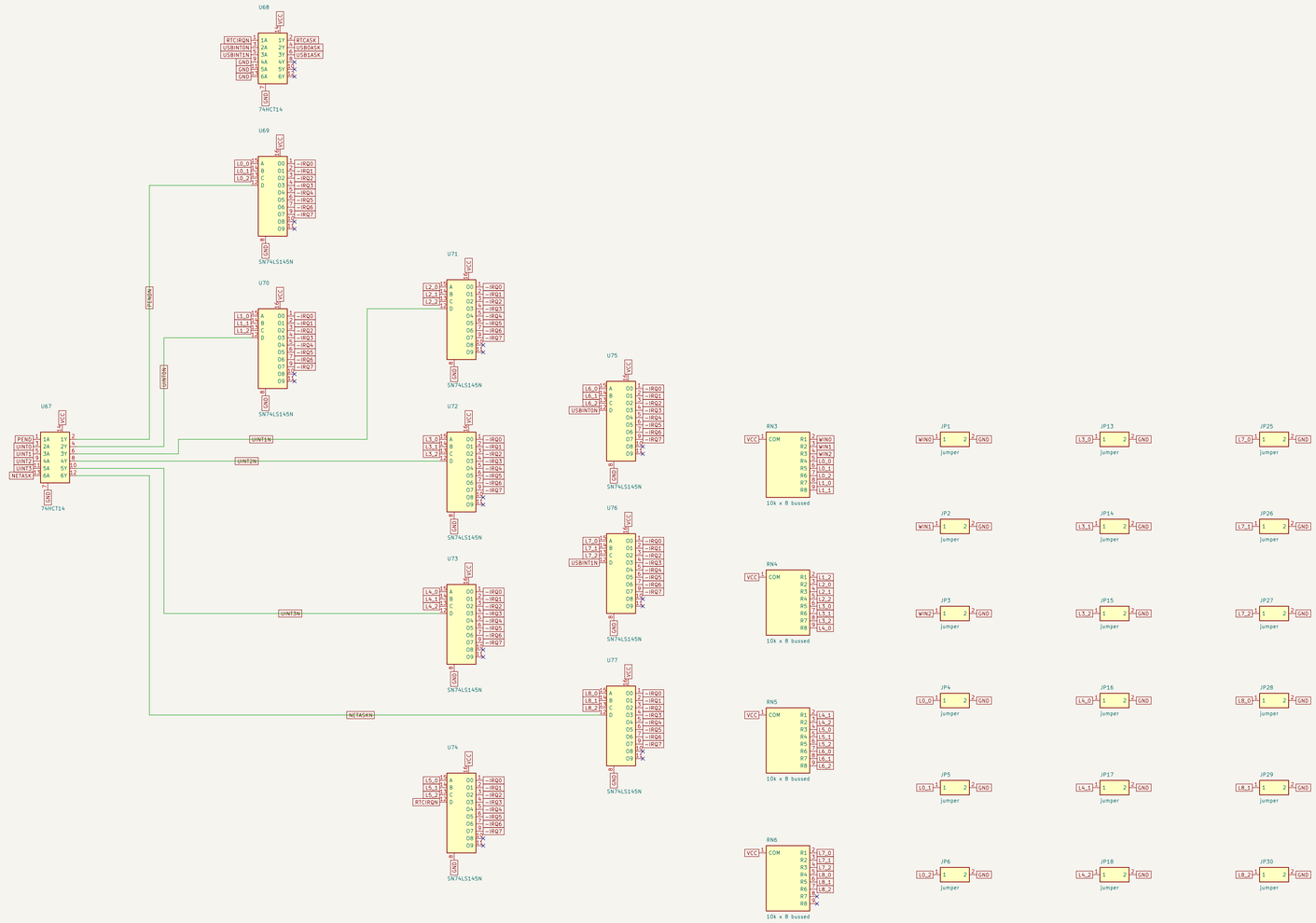
P32W

Sheet: /Status bus, the ports, the real-time clock/

File: io-card-6.kicad_sch

Title: P32W I/O CARD

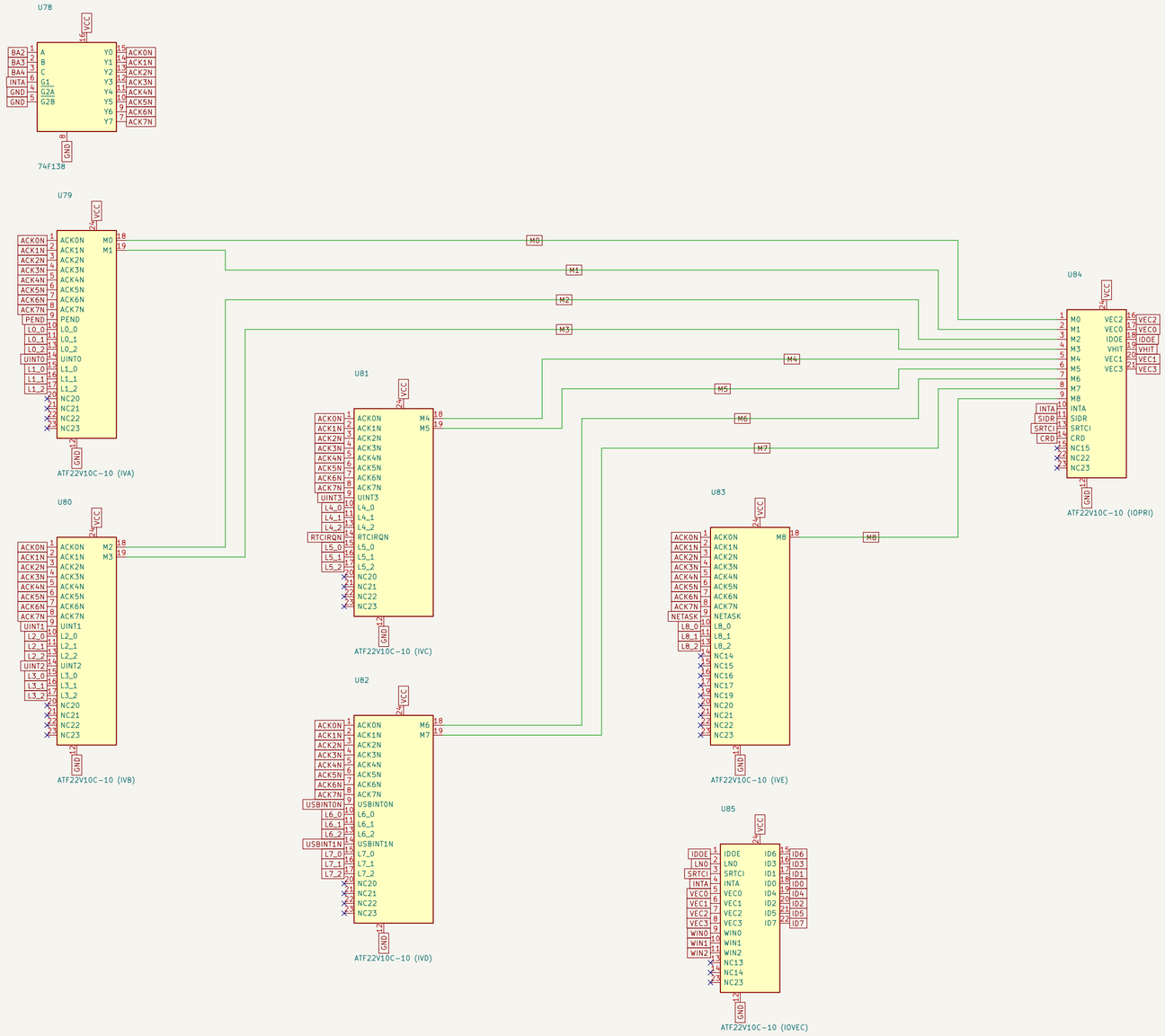
Size: A1	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 7/13



Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
Interrupt levels and their jumpers
P32W
Sheet: /Interrupt levels and their jumpers/
File: io-card-7.kicad_sch

Title: P32W I/O CARD

Size: A1	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 8/13



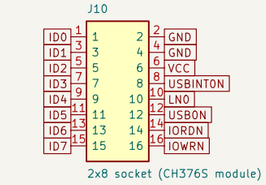
Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
Interrupt acknowledge and the vector

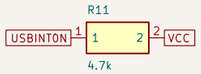
P32W

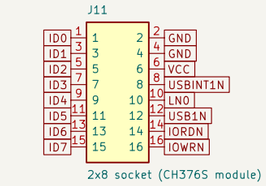
Sheet: /Interrupt acknowledge and the vector/
File: io-card-8.kicad_sch

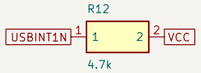
Title: P32W I/O CARD

Size: A2	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 9/13







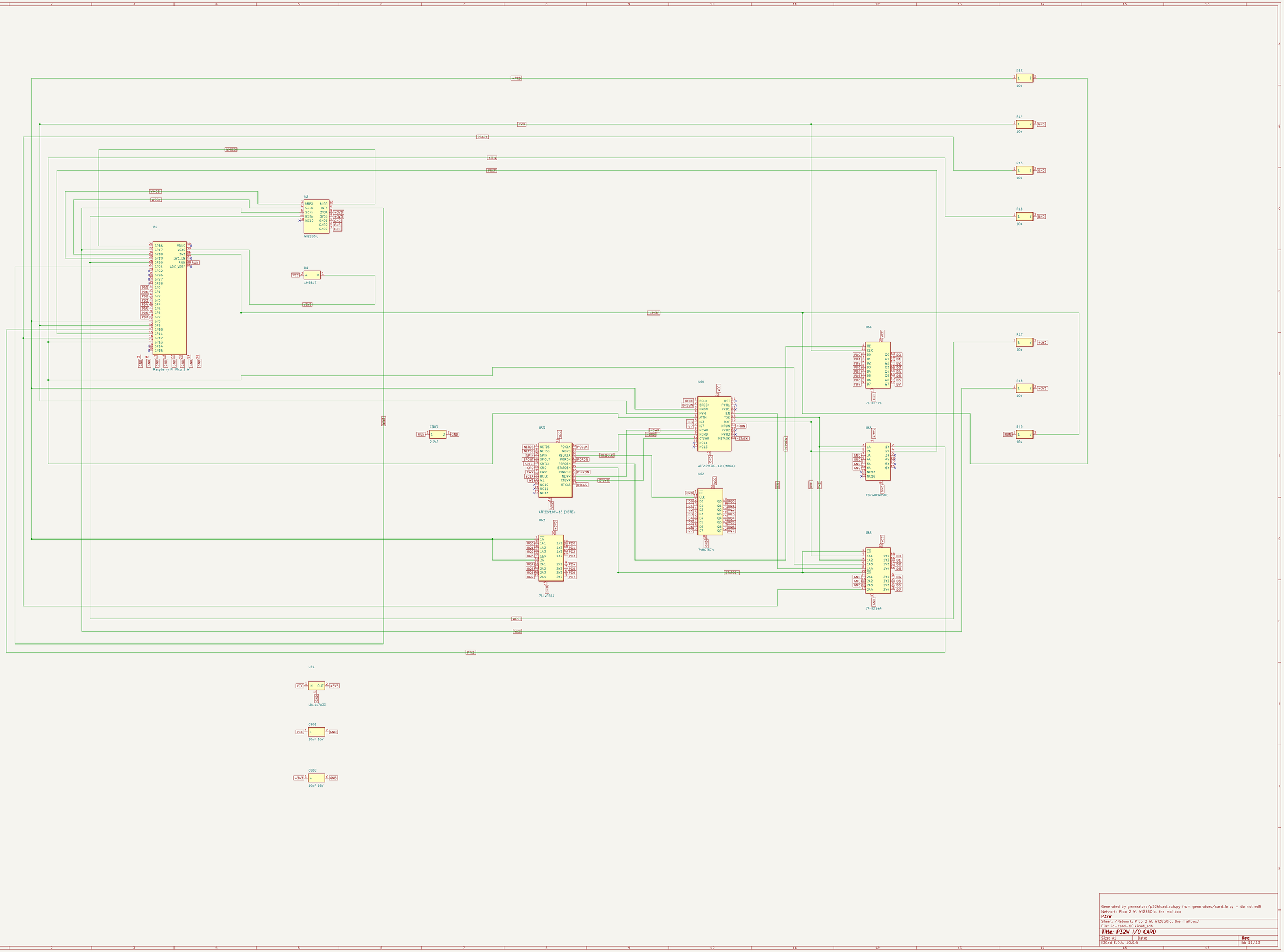


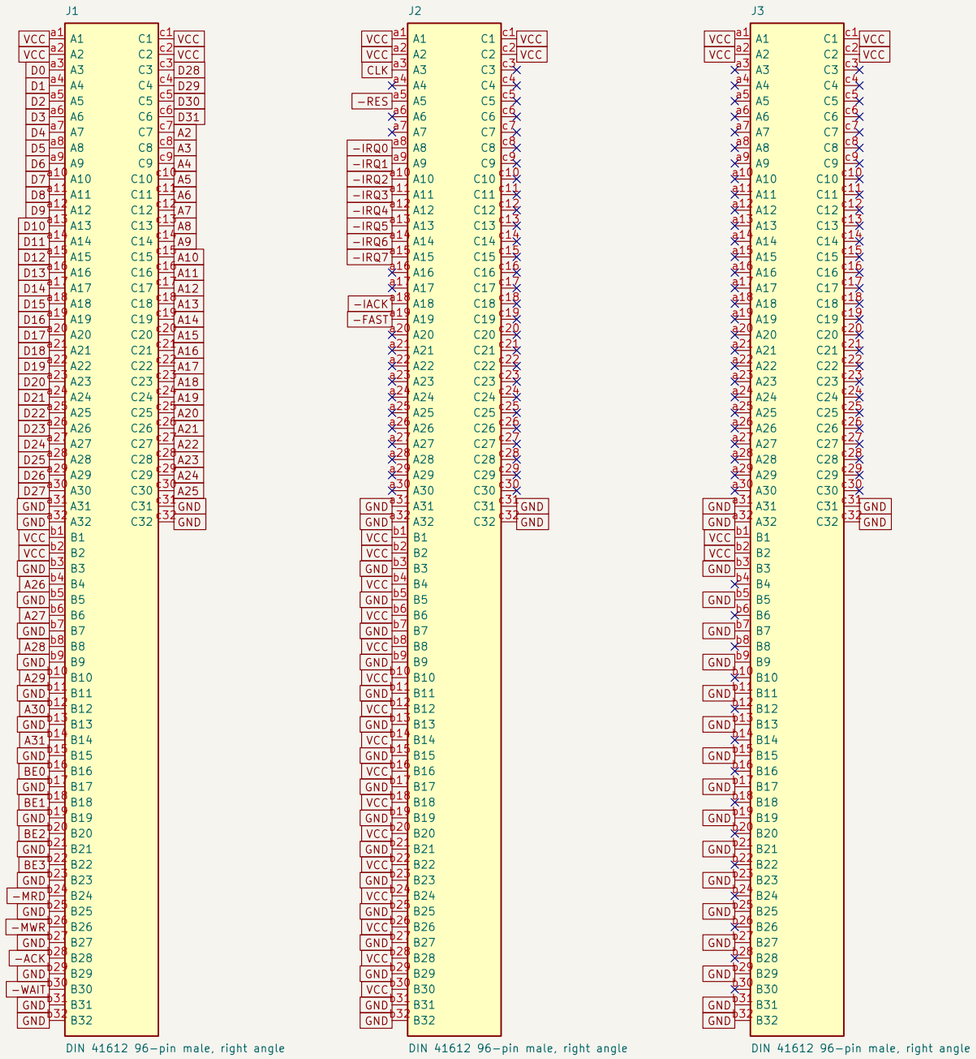
Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
USB: two CH376S modules
P32W

Sheet: /USB: two CH376S modules/
File: io-card-9.kicad_sch

Title: P32W I/O CARD

Size: A3	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 10/13


-PDD
PWR
READY
WMISO
ATTN
PRNF
WMOSI
WSCK
A2
WIZ850io
A1
Raspberry Pi Pico 2 W
D1
1N5817
VSYS
+3V3P
R13
R14
R15
R16
10k
GND
U64
74HCT574
R17
R18
R19
U66
CD74HC4050E
U60
ATF22V10C-10 (MBOX)
U59
ATF22V10C-10 (NSTB)
U62
74HCT574
U63
74LVC244
U65
74HCT244
C903
2.2nF
U61
LD1117V33
C901
10uF 16V
C902
10uF 16V
WRST
WCS
PTRC
STATOEN
Generated by generators/p32kicad_sch.py from generators/card_io.py - do not edit
Network: Pico 2 W, WIZ850io, the mailbox
P32W
Sheet: /Network: Pico 2 W, WIZ850io, the mailbox/
File: io-card-10.kicad_sch
Title: P32W I/O CARD
Size: A1
Date:
Rev:
KiCad E.D.A. 10.0.6
Id: 11/13

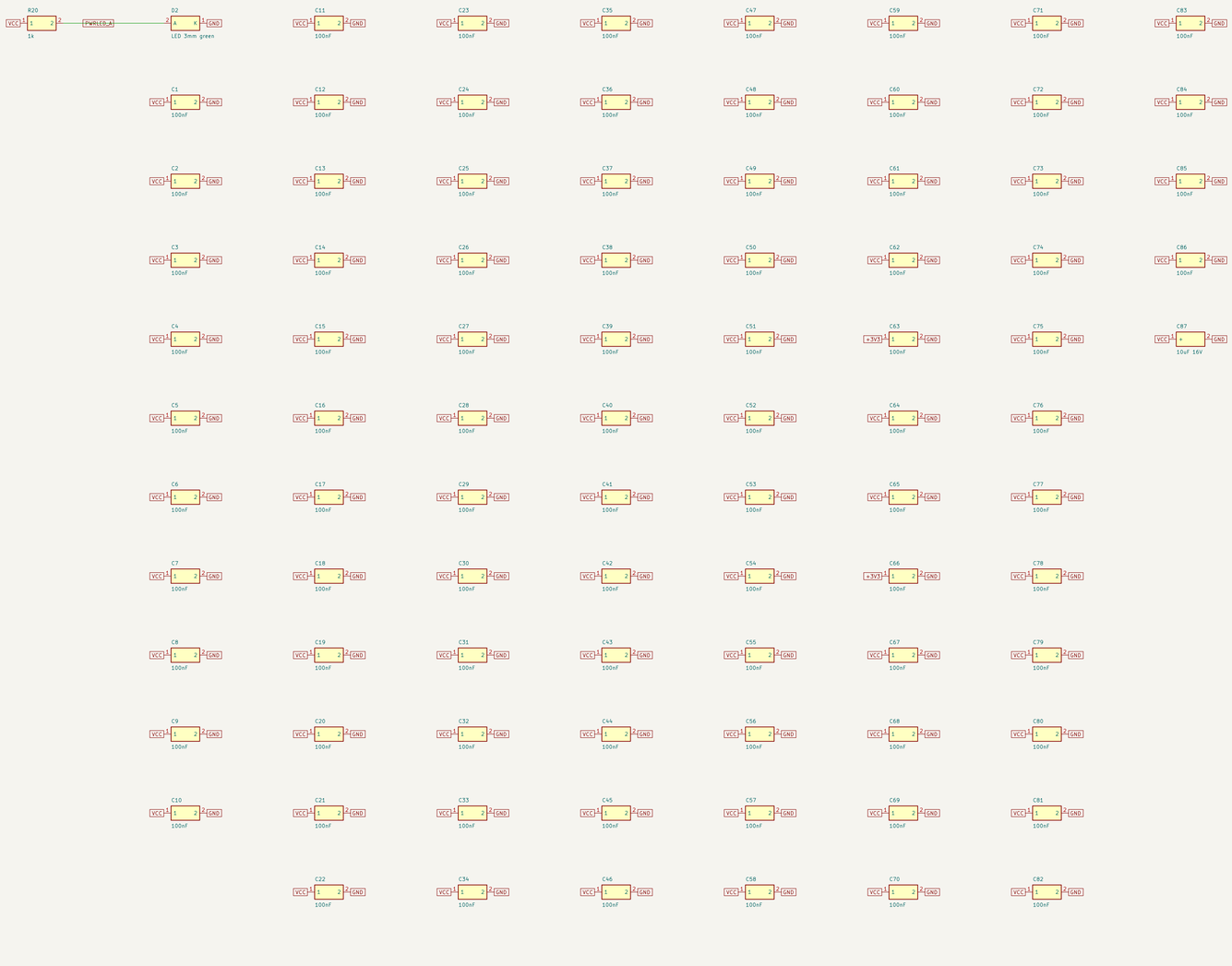


Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
Backplane connectors
P32W

Sheet: /Backplane connectors/
File: io-card-11.kicad_sch

Title: P32W I/O CARD

Size: A3	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 12/13



Generated by generators/p32kicad_sch.py from generators/card_io.py — do not edit
Power: decoupling and bulk capacitors
P32W

Sheet: /Power: decoupling and bulk capacitors/		
File: io-card-12.kicad_sch		
Title: P32W I/O CARD		
Size: A1	Date:	**Rev:**
KiCad E.D.A. 10.0.6		Id: 13/13