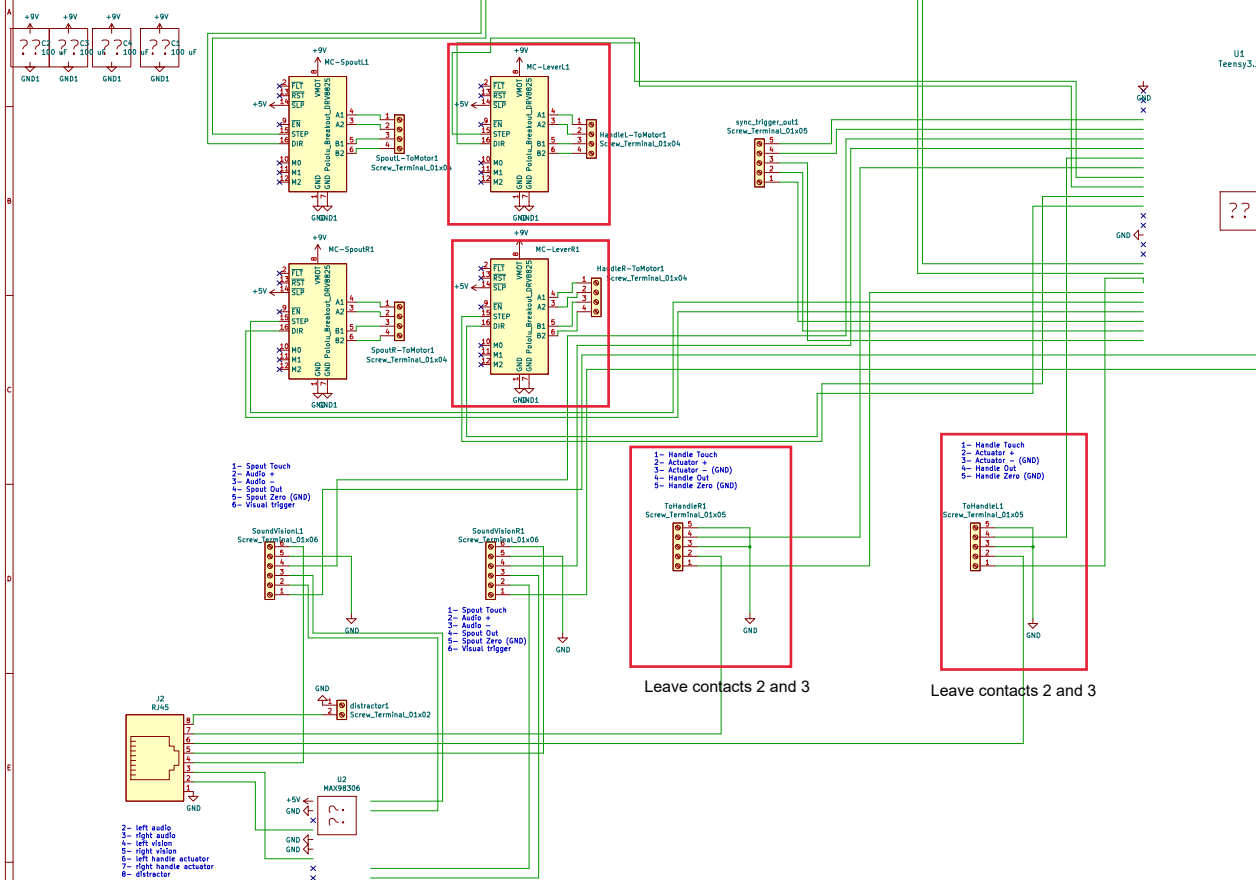


## Stepper motor drivers Handles and Spout motors



## INPUT PINS

// Inputs for lick sensors

LEVERSENSOR\_L 15 // touch line for lever touch

LEVERSENSOR\_R 16 // touch line for lever touch

SPOUTSENSOR\_L 22 // touch line for left spout

SPOUTSENSOR\_R 23 // touch line for right spout

// Pins for stepper - spouts

PIN\_SPOUTOUT\_L 5

PIN\_SPOUTOUT\_R 6

PIN\_SPOUTSTEP\_L 13

PIN\_SPOUTDIR\_L 14

PIN\_SPOUTSTEP\_R 17

PIN\_SPOUTDIR\_R 18

// Pins for stepper - handles

PIN\_LEVEROUT\_L 7

PIN\_LEVEROUT\_R 8

PIN\_LEVERSTEP\_L 9

PIN\_LEVERDIR\_L 10

PIN\_LEVERSTEP\_R 11

PIN\_LEVERDIR\_R 12

## OUTPUT PINS:

PIN\_LEFTLICK 19 // trigger that informs over left licks

PIN\_RIGHTLICK 20 // trigger that informs over right licks

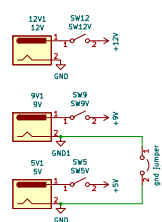
PIN\_STIMTRIG 21 // (no sync) 'MAKE\_STIMTRIGGER'

PIN\_TRIALTRIG 4 // (no sync) 'MAKE\_TRIALTRIGGER'

PIN\_CAMTIMER 3 // to trigger camera exposure 'camTrigDur', 'camTrigRa

## Stimuli – analog output connection

### Power connectors



### 4x12 2x5 and 1x9 screw terminals

