Chen Lab cage board. "Transistor mod" to Rev A board
to drive 5V solenoids.

5V 100mA water
solenoid drive

+5V

R10
1.5k

P1.2

Q3
2N3906

73131-024

1

J5

2

D4
1N4007

GND
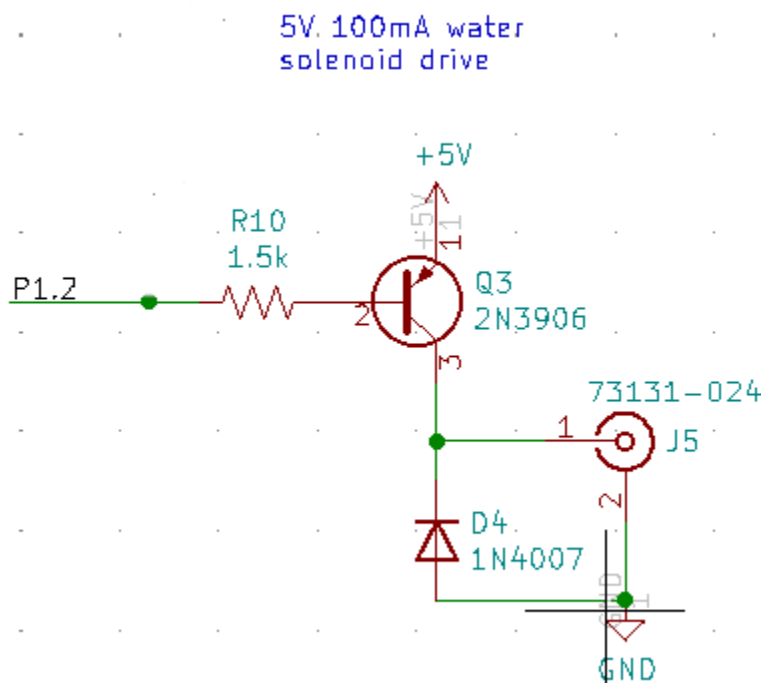
Two mods needed for
the two BNC outputs J5, J11

Cut traces from U1-6,8
to J5, J11

Add a 2N3906, 1.5k res
and 1N4007 (on back)
to both J5, J11 circuits

Note that 5V is available
on the middle pin of J3, J7, J9

I put the transistors on the top
and the diodes on the bottom.