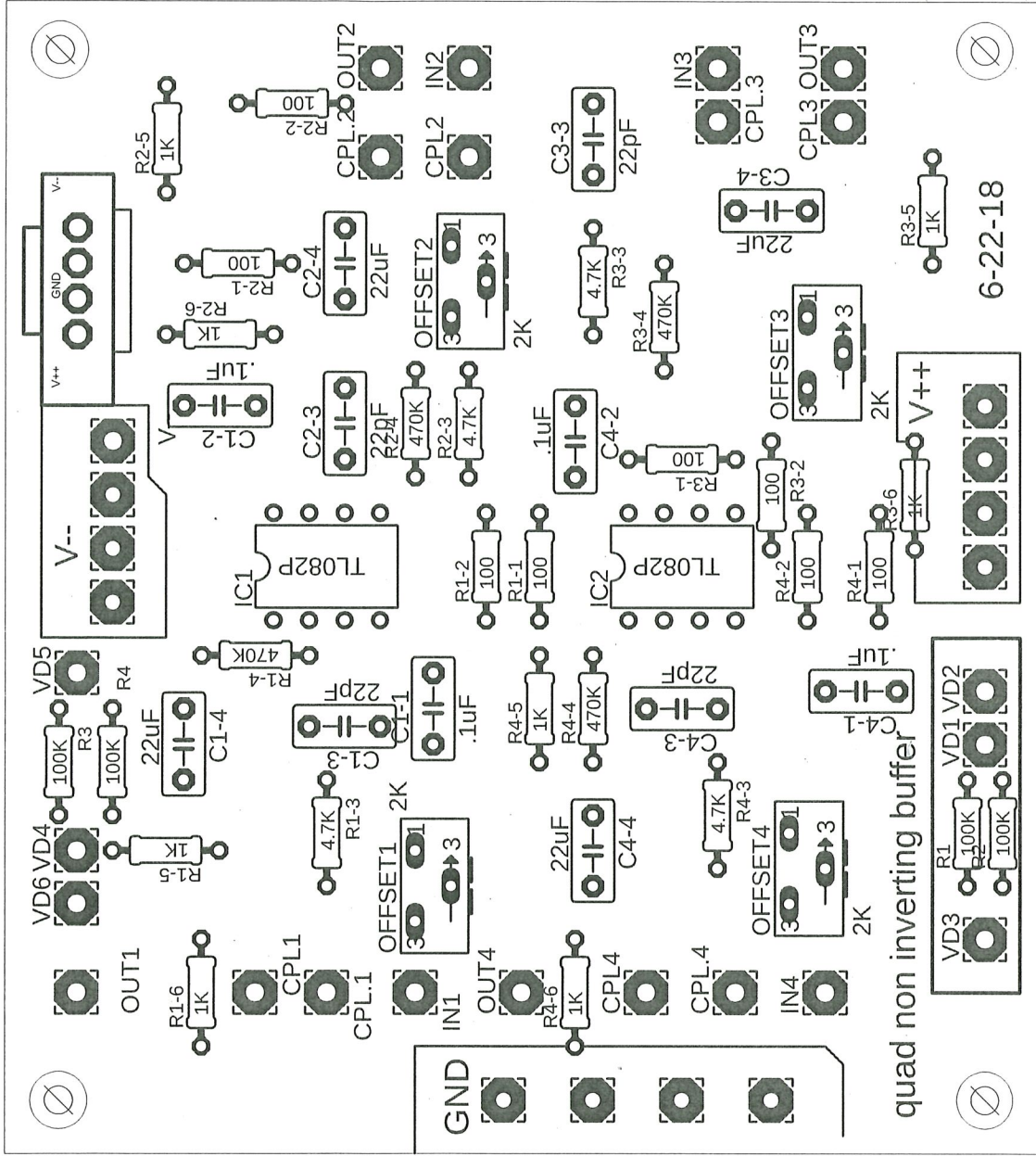


60es w/ 6-24 schem>nc-

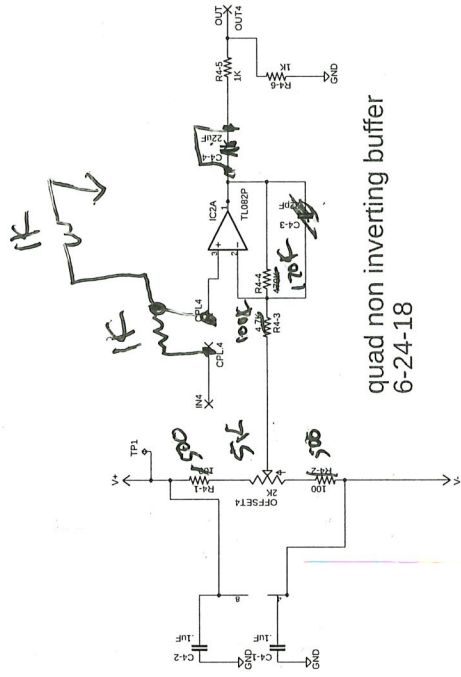


Sq 222

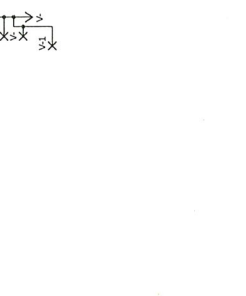
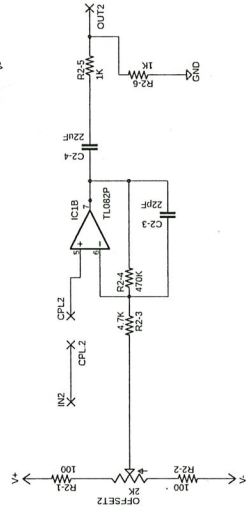
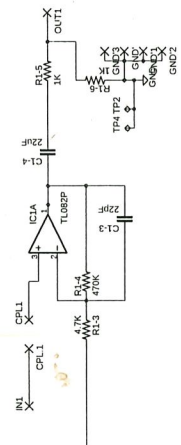
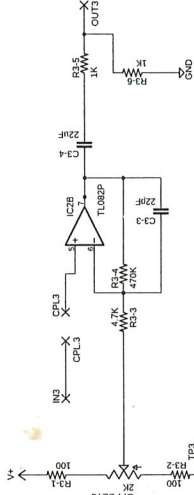
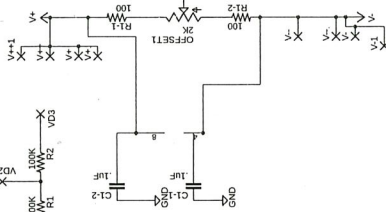
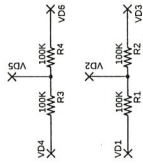
ALL-1's 500-
ALL-2's 500-
ALL-3's 100K
ALL-4's 170K

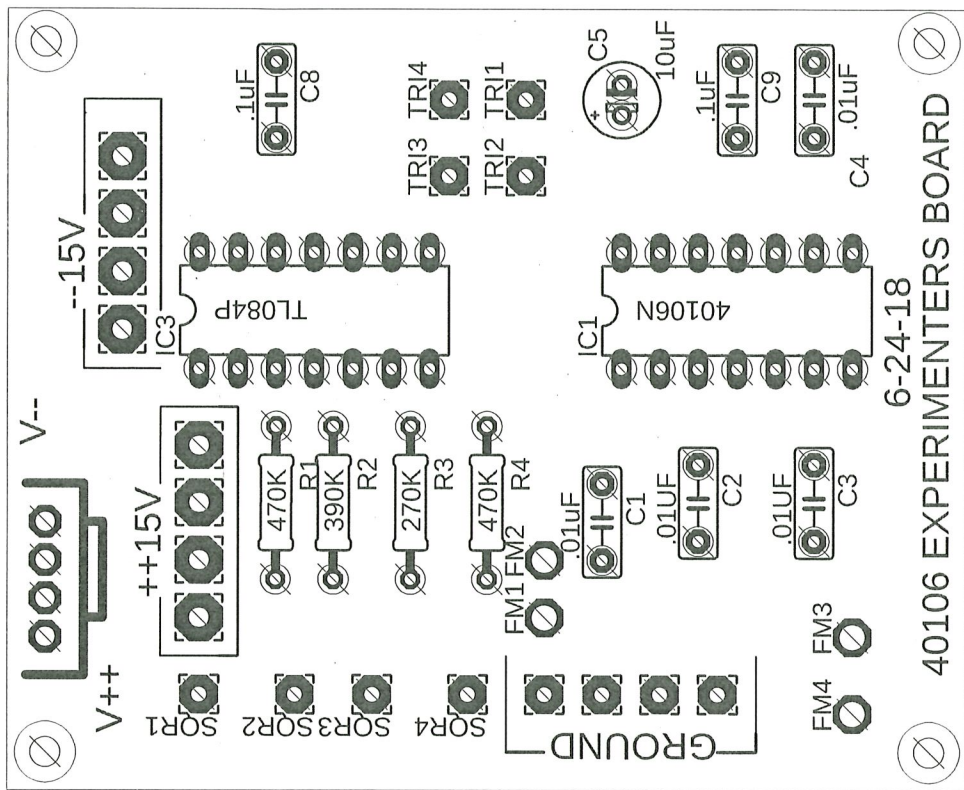
CPL-CPL 1Kw
1K to
9rd

ALL-5's
11C
11-6's
1K



quad non inverting buffer
6-24-18

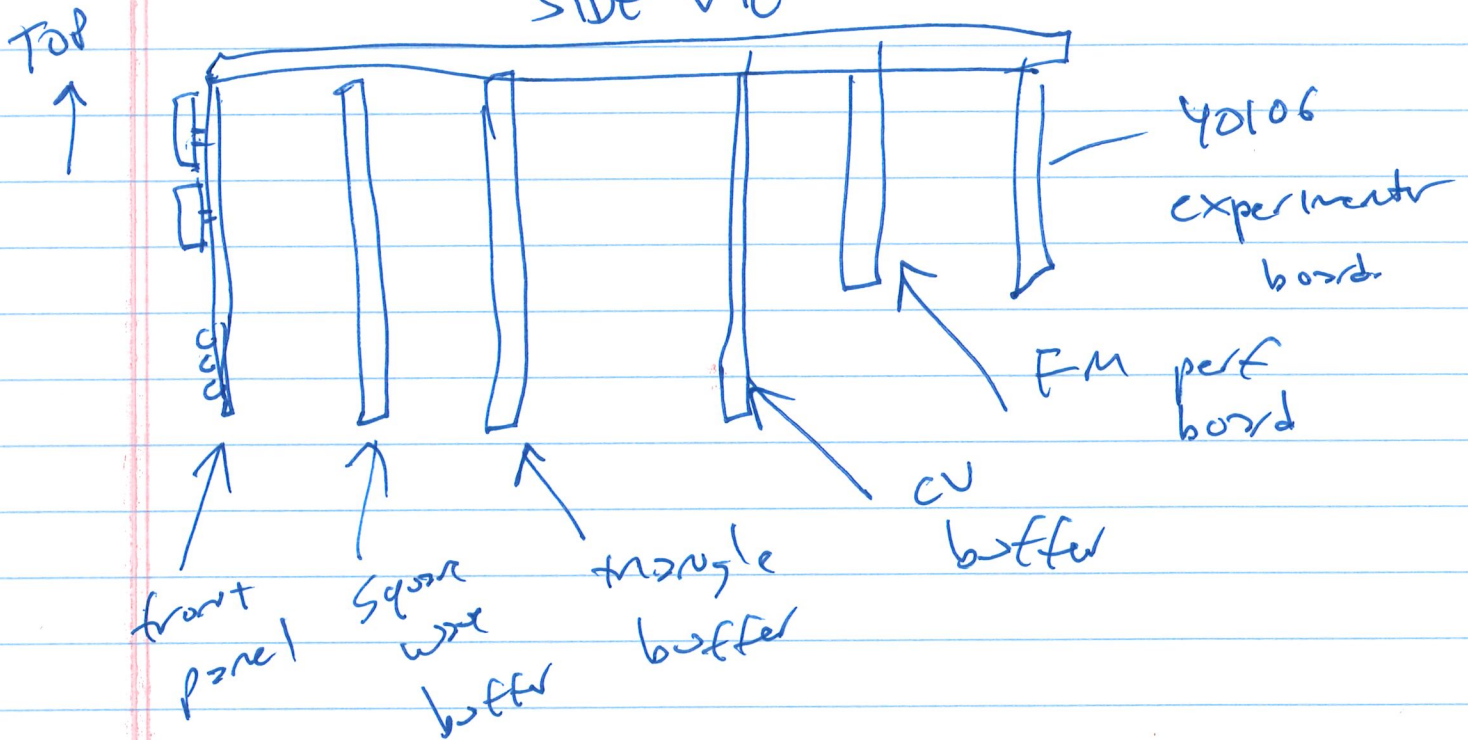




LUNETA VCO

Board layout

SIDE VIEW

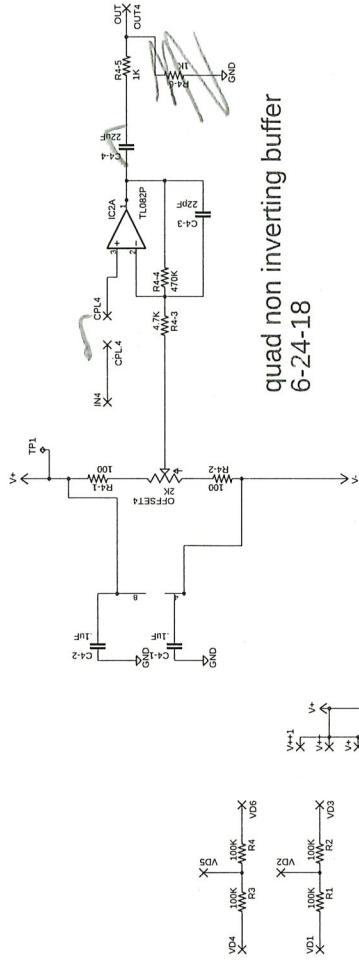


- I ended up splitting power --
between 40106 board &
buffer boards -- less
noise & power yuck that
way.

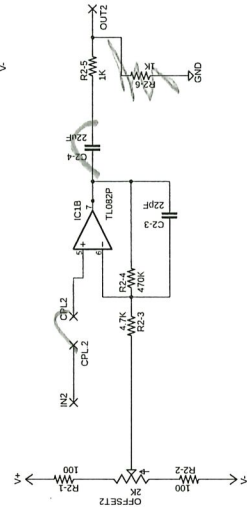
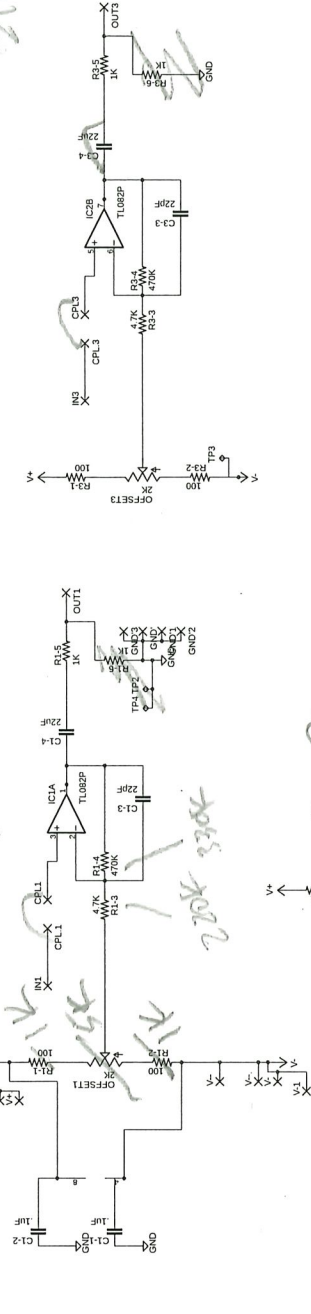
Buffer
 TRANSPARENT

211 x.1 = 1K
 211 trim = 5K
 211 x.2 = 1K
 jump 211 C4
 211 x.8 = 1K
 211 x.3 = 220K
 211 x.4 = 330K

input
 26mV
 500mV



quad non inverting buffer
 6-24-18



211 x.3 = 220K
 211 x.4 = 330K

20K
 20K
 20K
 20K

each FM has one
of these built
on a small perboard.

Diodes 4148.

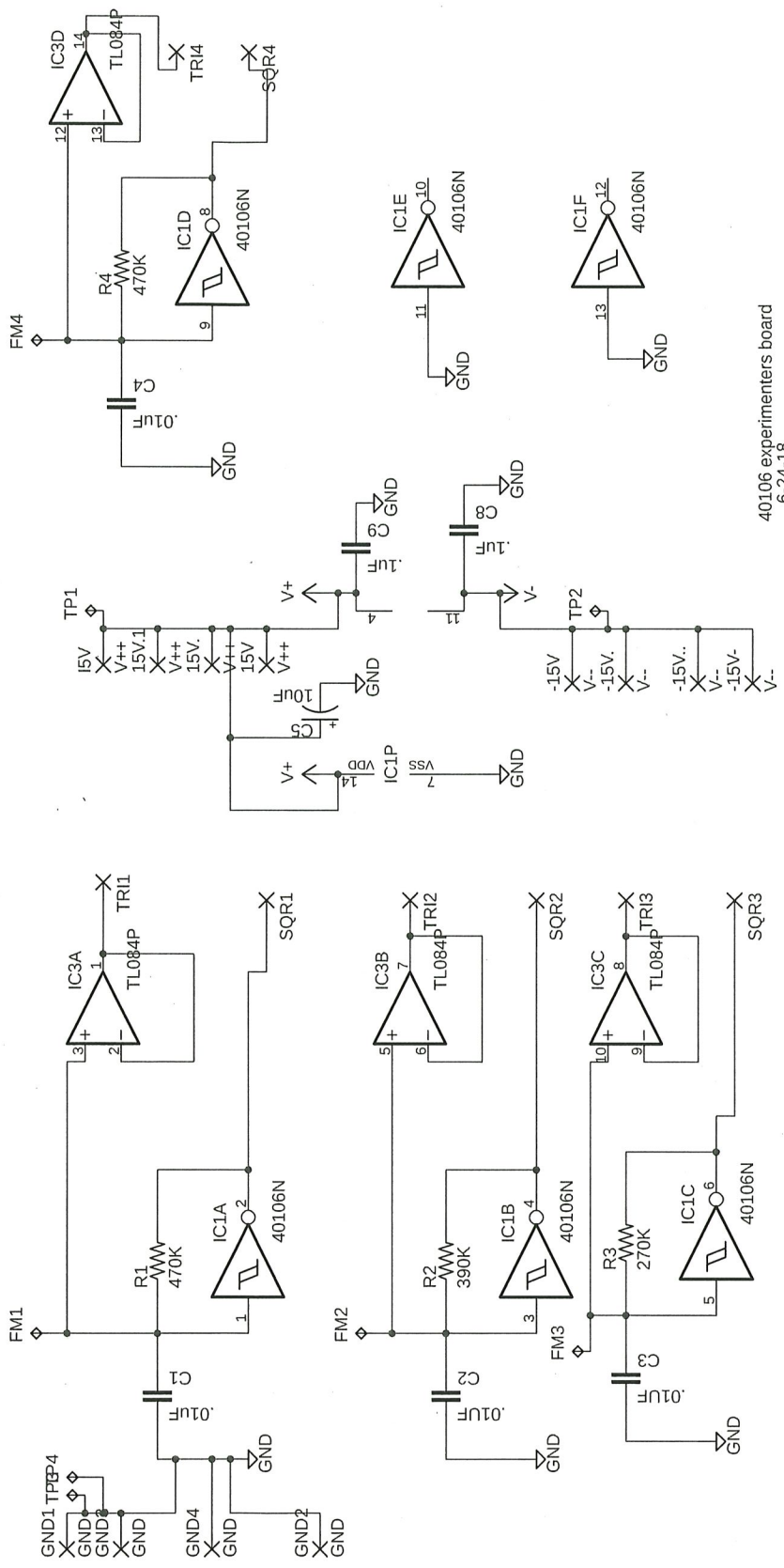
3X

repeat



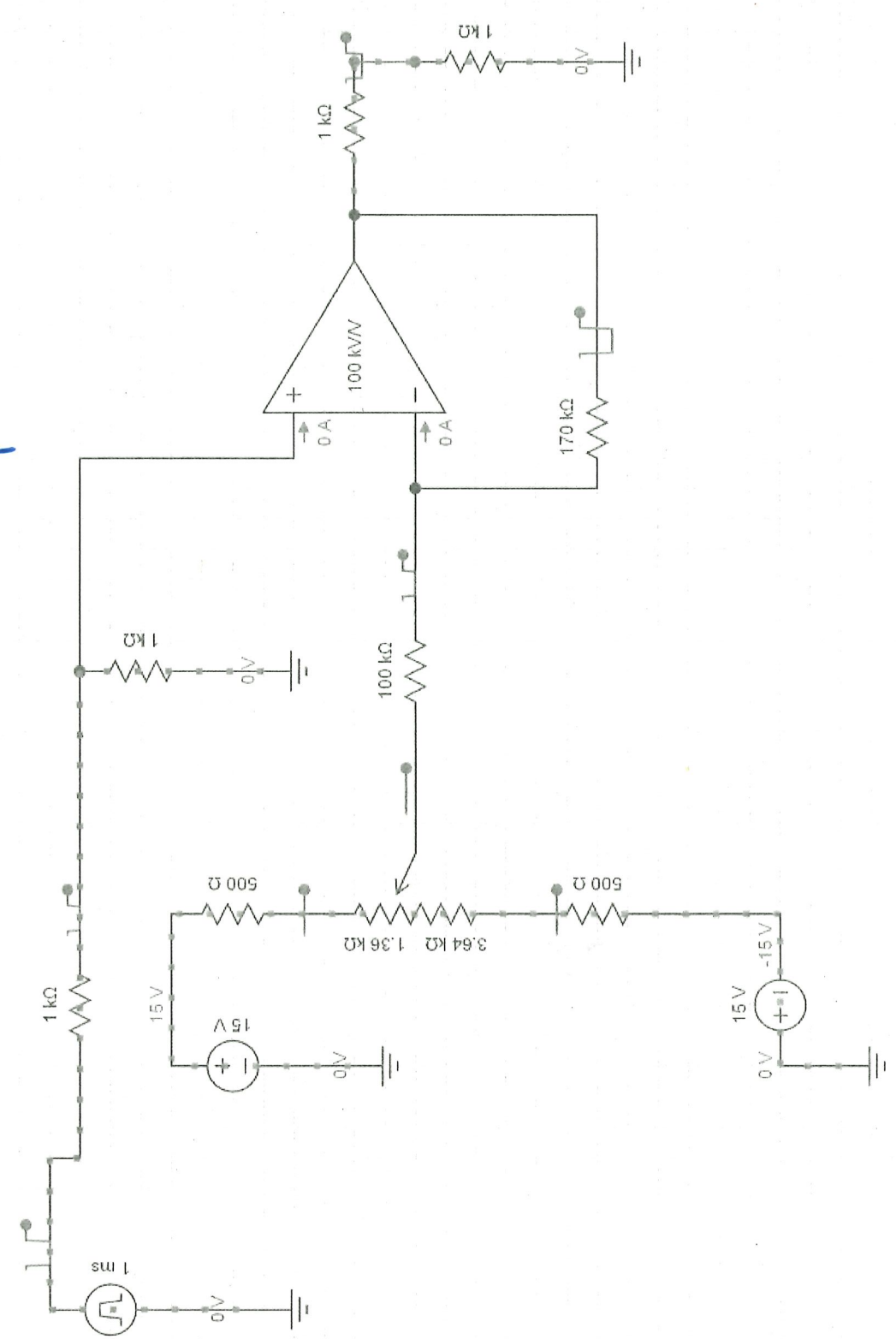
FM 10-2-3-4
1K

Schematic of board
experimenter board
6-24-18

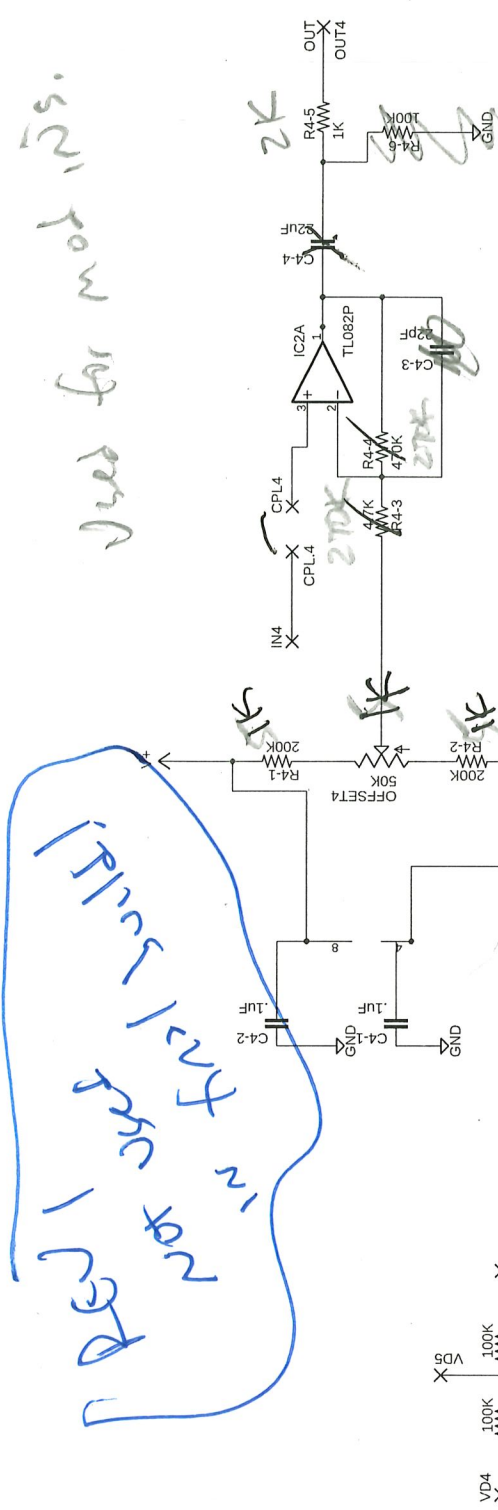


40106 experimenters board
6-24-18

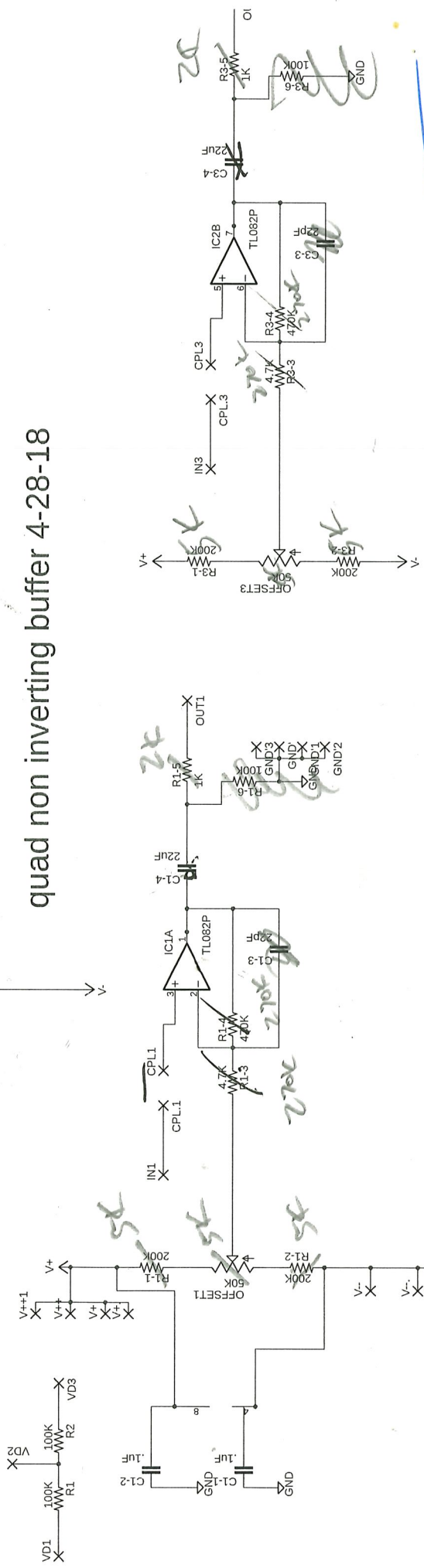
Square wave Bode
parts values used.



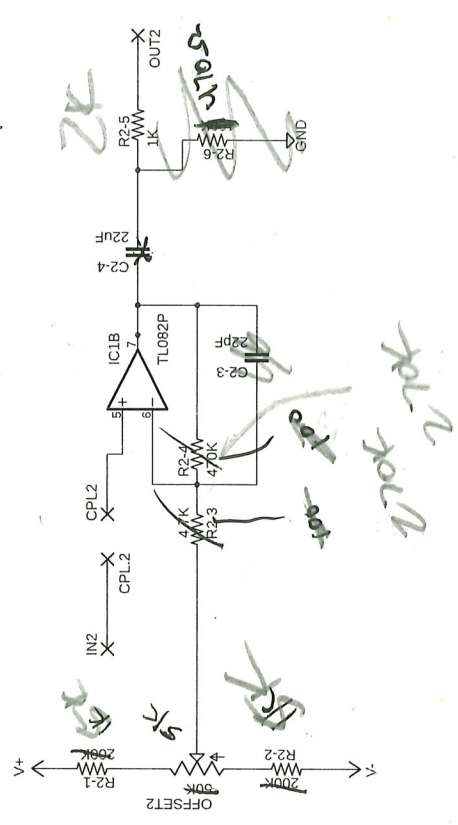
used for mod 10's.
 used for mod 10's.
 used for mod 10's.



quad non inverting buffer 4-28-18

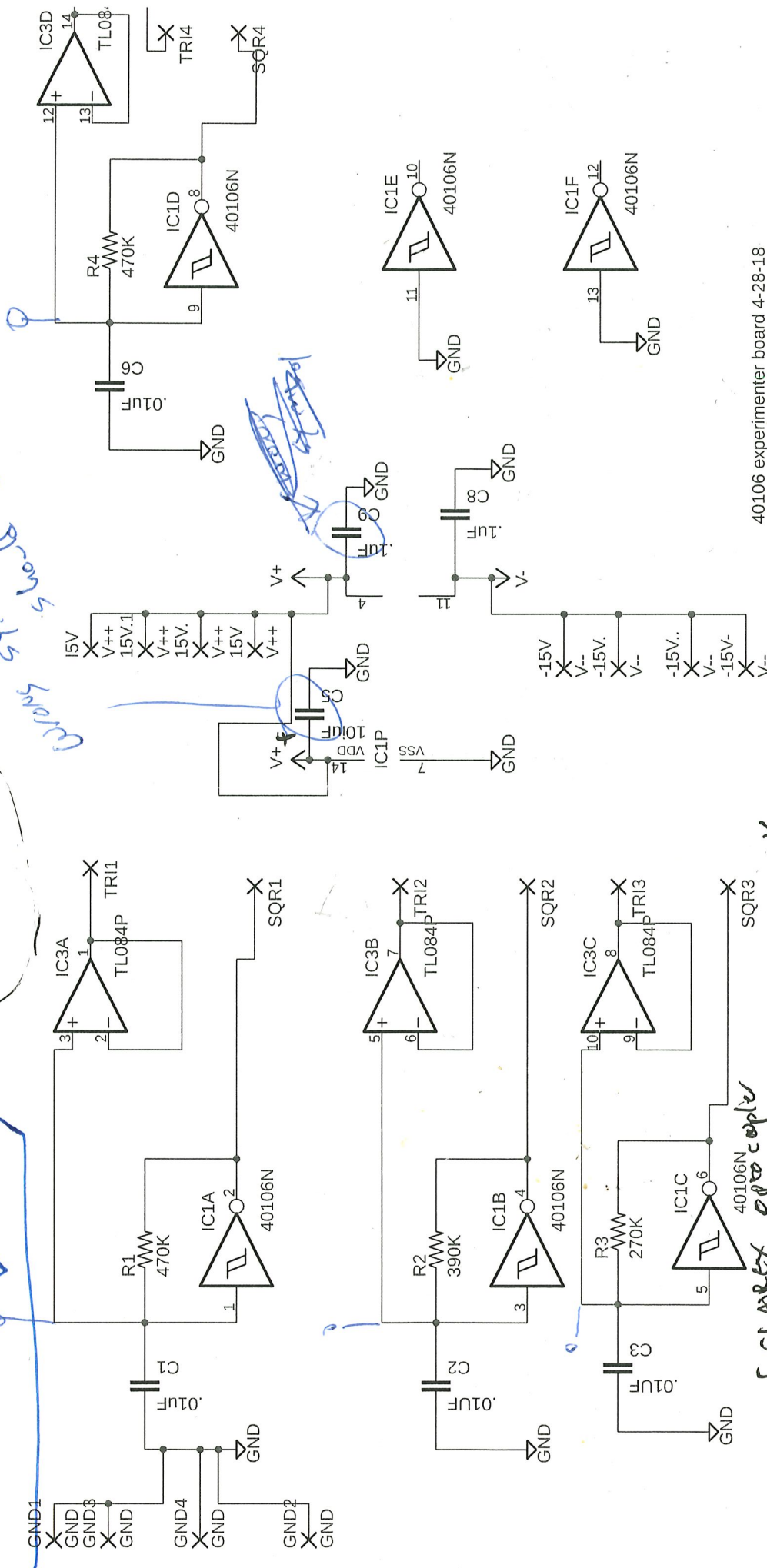


Basic
IO



NOT USED
 5 pins are not used

Red 1 used in not for
 CVO

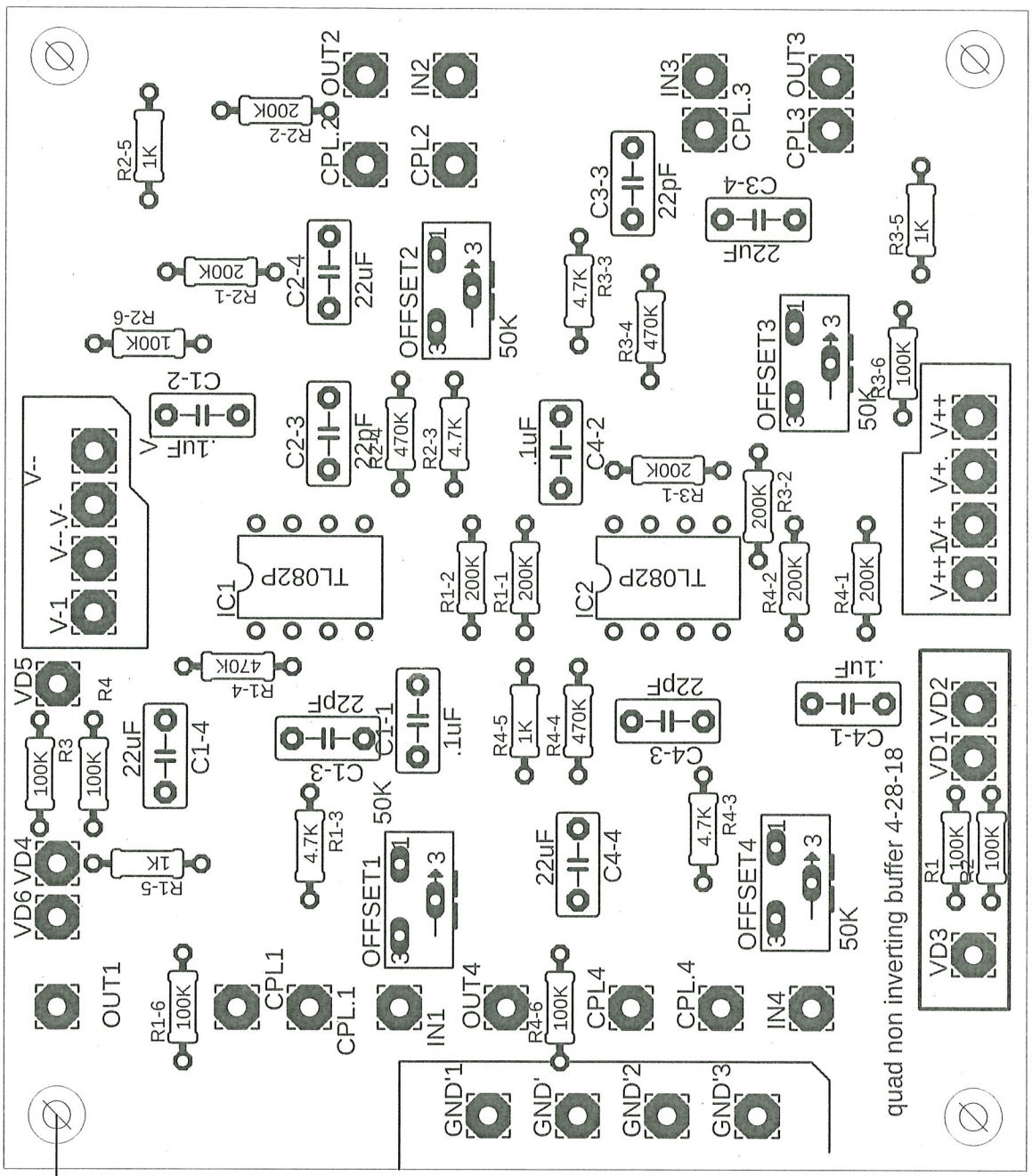


40106 experimenter board 4-28-18

1.51V = 220Ω
 1.6V = 1.4K
 1.7 = 3K
 1.8 = 6.4K
 1.9 = 8K
 1.3 = 2K

2V = 10K
 2.1V = 10.5K
 2.3V = 12K
 2.5V = 13.6K
 2.8V = 15K

Rev1 of board. Colgate M=8k in V- offset I center 5mV per div. C 5mV per div. 10mV per div.



2600.00

quad non inverting buffer 4-28-18