

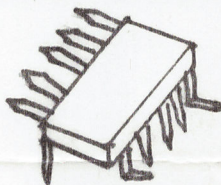
## MULTIPLEXER BOARD VMUI 600

## Parts List

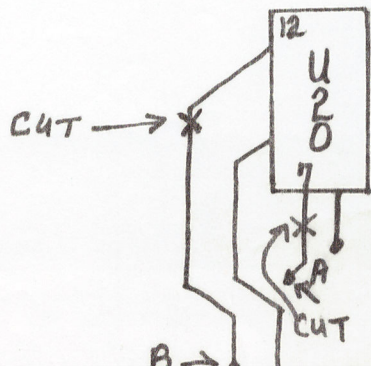
- ✓ 1 - board
- ✓ 4 - 74LS257
- ✓ 1 - 74LS00
- ✓ 2 - 4.7K  $\frac{1}{4}$ W resistors
- ✓ 1 - 74LS138
- ✓ 1 - 2 pole 2 position switch (only for 600 board rev. A,B,C.)
- ✓ 1 - ~~3~~ pole 2 position switch (for rev. A,B,C only).
- ✓ 1 - 3 pole 3 position switch (for rev. D only).

## INSTALLATION

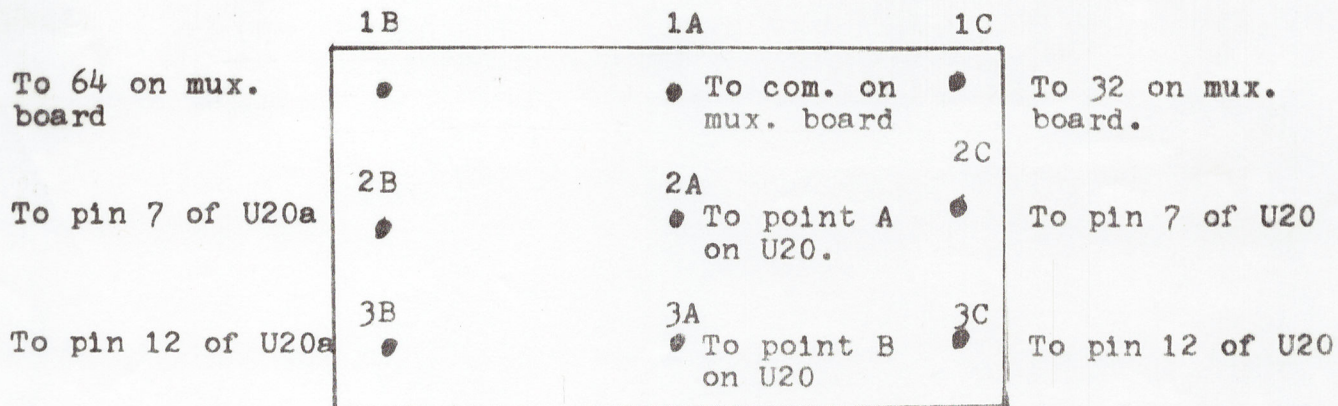
1. ( ) Remove U54 & U55 and install sockets at U54 & U55. This is where multiplexing board will plug in.
2. ( ) Bend pins 1,7,9,10,11,12,13,14,15 of 74LS138 at right angles.
3. (✓) Locate U20 and solder 74LS138 on top of U20. Solder all pins except the bent ones. Call this U20a. Make sure that you have soldered pin for pin to avoid shorts.



4. ( ) On the component side cut the two foils coming from U20 as shown below.
5. ( ) Solder pin 1 of U20a to pin 2 of U20a.
6. ( ) Hook foil marked CE1 on multiplexing board to pin 8 of piggy backed video RAM ( both chips ).
7. ( ) Jumper pin ~~2~~ of U79 socket on the perf board to the foil marked C8 on the multiplex board.
8. ( ) Jumper the foil marked A10 on the multiplexer board to pin 9 of U21.
9. ( ) Jumper the foil marked  $\emptyset 2$  to  $\emptyset 2$  on the 600 board.
10. ( ) Hook in switch as shown.



NOTE: The entire #1 pole is only if you are installing our multiplexing board! Otherwise do not try and hook in the #1 pole. Do only #2 and #3 poles!



For Rev. D 600 board ONLY:

The command address is 55300:

To get 64 character/line screen POKE 55300,1

To get 32 character/line screen POKE 55300,0. The system will come up in the 32 chr. format. Which 32 chr. format will depend on your switch position if you have our multiplexing board installed.

For Rev. A,B,C ONLY:

Install 2 pole 2 position switch as described in Video Mod. 64.

For both models:

Do not forget to cut the foil going to pin 2 of U56 on the component side and hook pin 1 to pin 2 of U56 as described in the video mod 64 plans.

PARTS LIST

- 1 - 74LS00
- 4 - 74LS257
- 2 - 16 pin wire wrap sockets
- 2 - 4.7K  $\frac{1}{4}$ W resistors
- 1 - Switch, non shorting, three pole double throw

COMPONENT SIDE  
MULTIPLEXER BOARD

