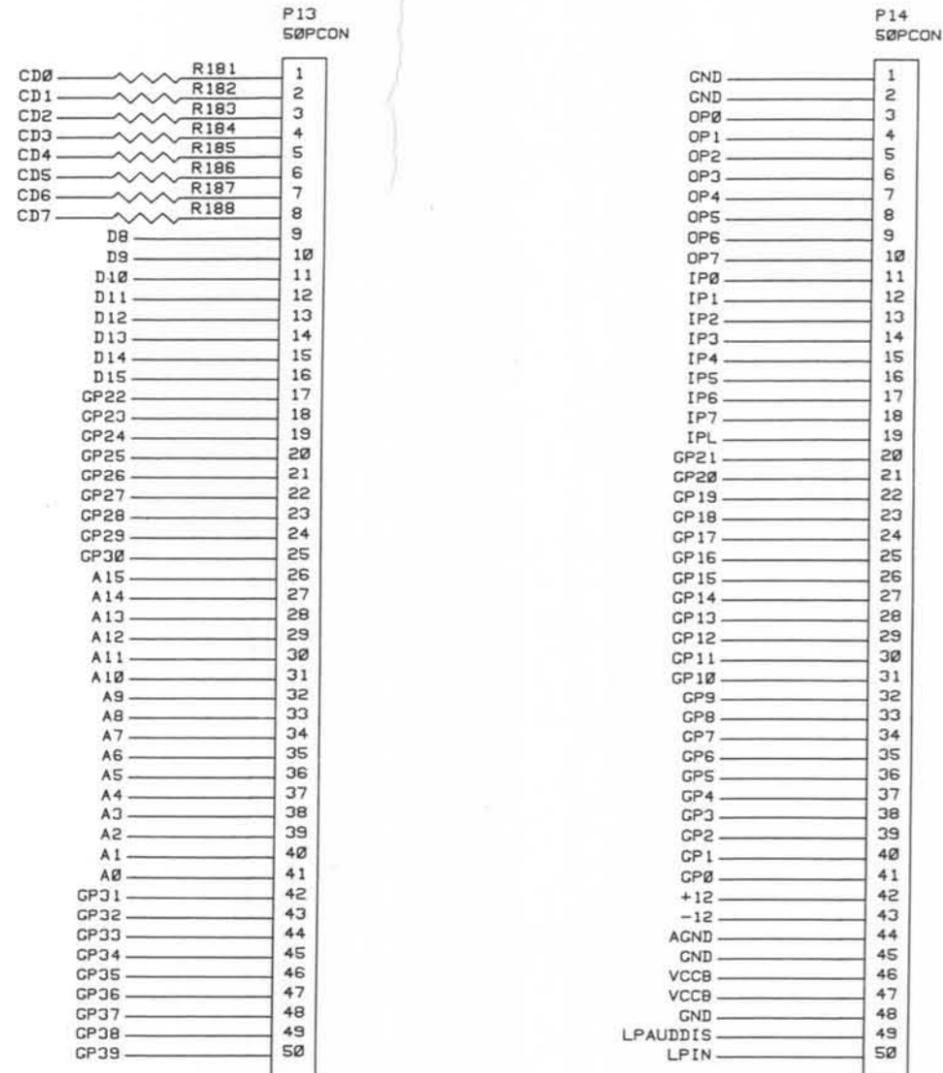
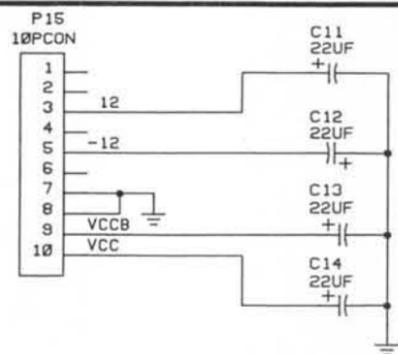


1. All resistors are rated at 1/4-watt and have a tolerance of 5% unless otherwise noted. Resistor values are in ohms (k = 1000).
2. Capacitor values less than 1 are in  $\mu\text{F}$  (microfarads). All other capacitor values are in pF (picofarads) unless otherwise noted.
3.  This symbol indicates circuit board ground.
4.  This symbol indicates chassis ground.
5.  This symbol indicates a DC voltage taken with a high-input-impedance voltmeter from the point indicated to circuit board ground.
6. \* This symbol indicates a voltage that will vary with the load.
7. Components within the shaded area are critical to product safety. Replace them only with a Heath replacement part, or an exact equivalent.
8. Note 1: Jumper wires J3, J4, and J5 connect C104 to +20 volts.
9. Note 2: Jumper wires J6, J7, and J8 connect C108 to -20 volts.

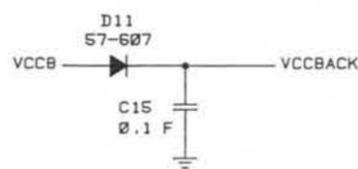
**Schematic #1**  
**Trainer Power Supply Circuit Board**



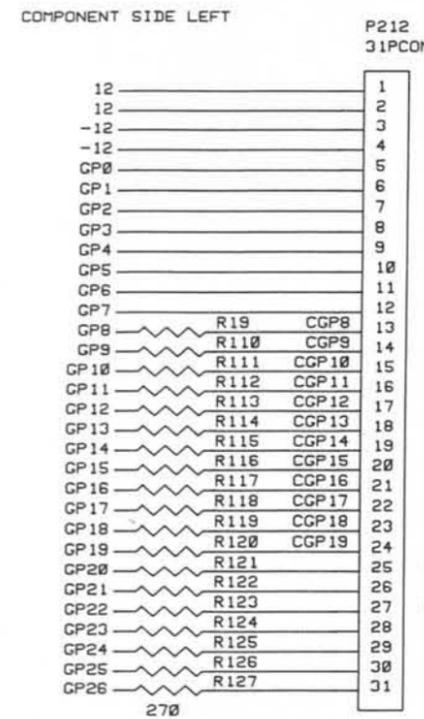
GENERAL PURPOSE SIGNAL BLOCKS



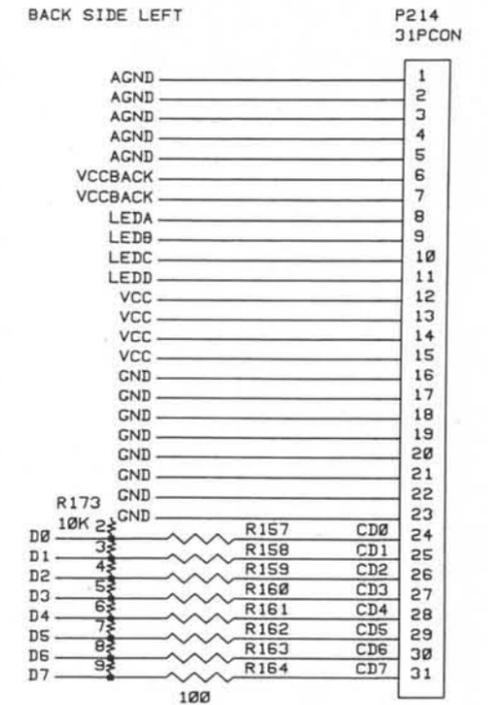
DC POWER IN



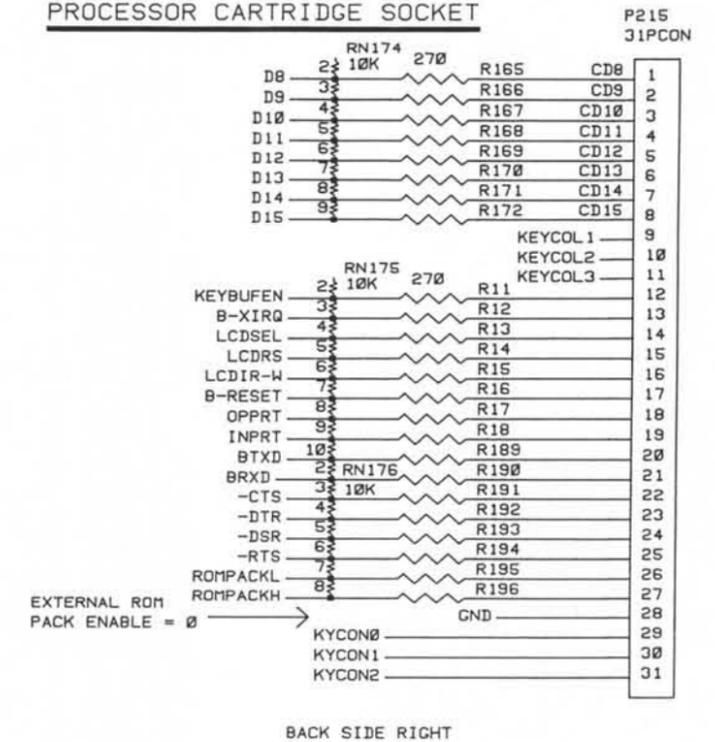
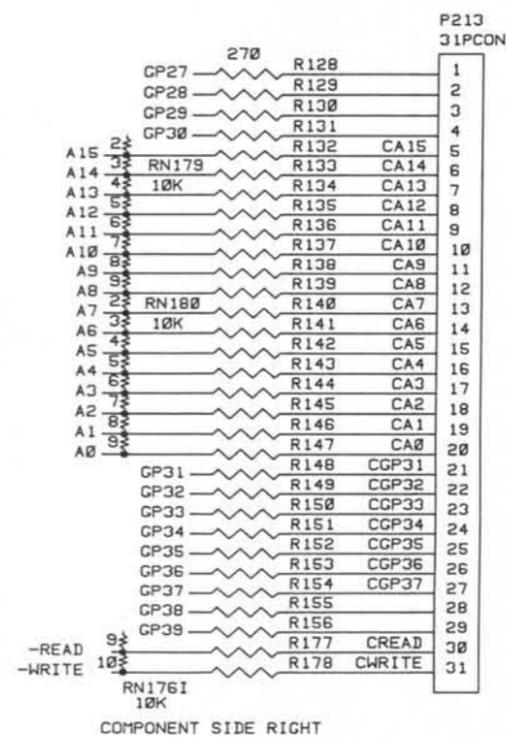
POWER NOTATION DEFINITION  
 VCC- MAIN +5 VOLT SUPPLY  
 VCCB- BREADBOARD +5 VOLT SUPPLY  
 VCCA- ANALOG +5 VOLT SUPPLY



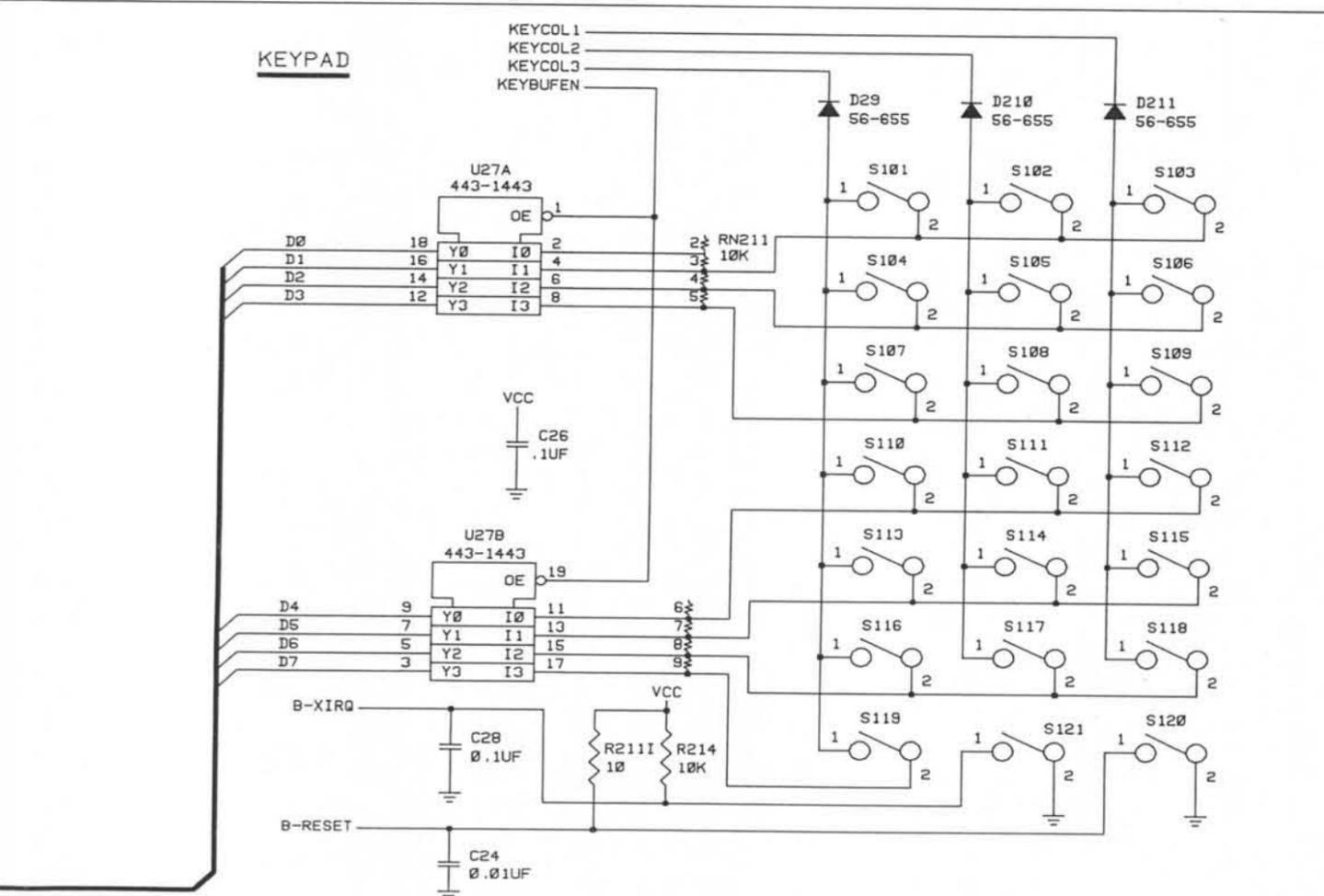
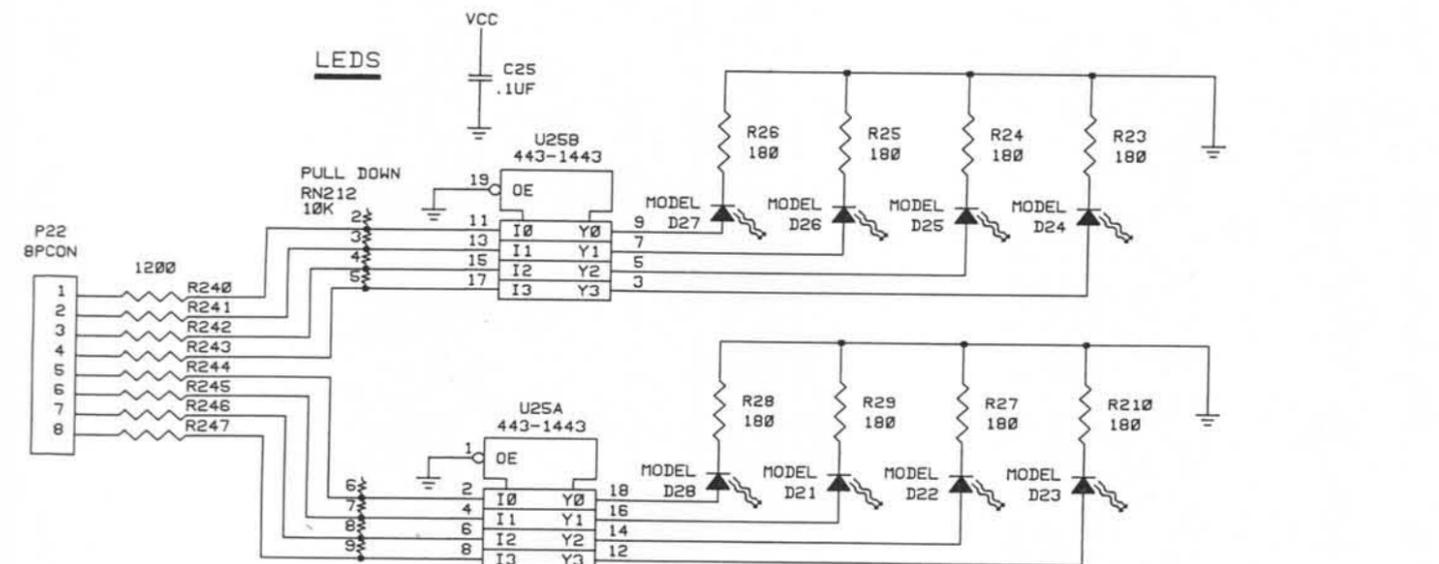
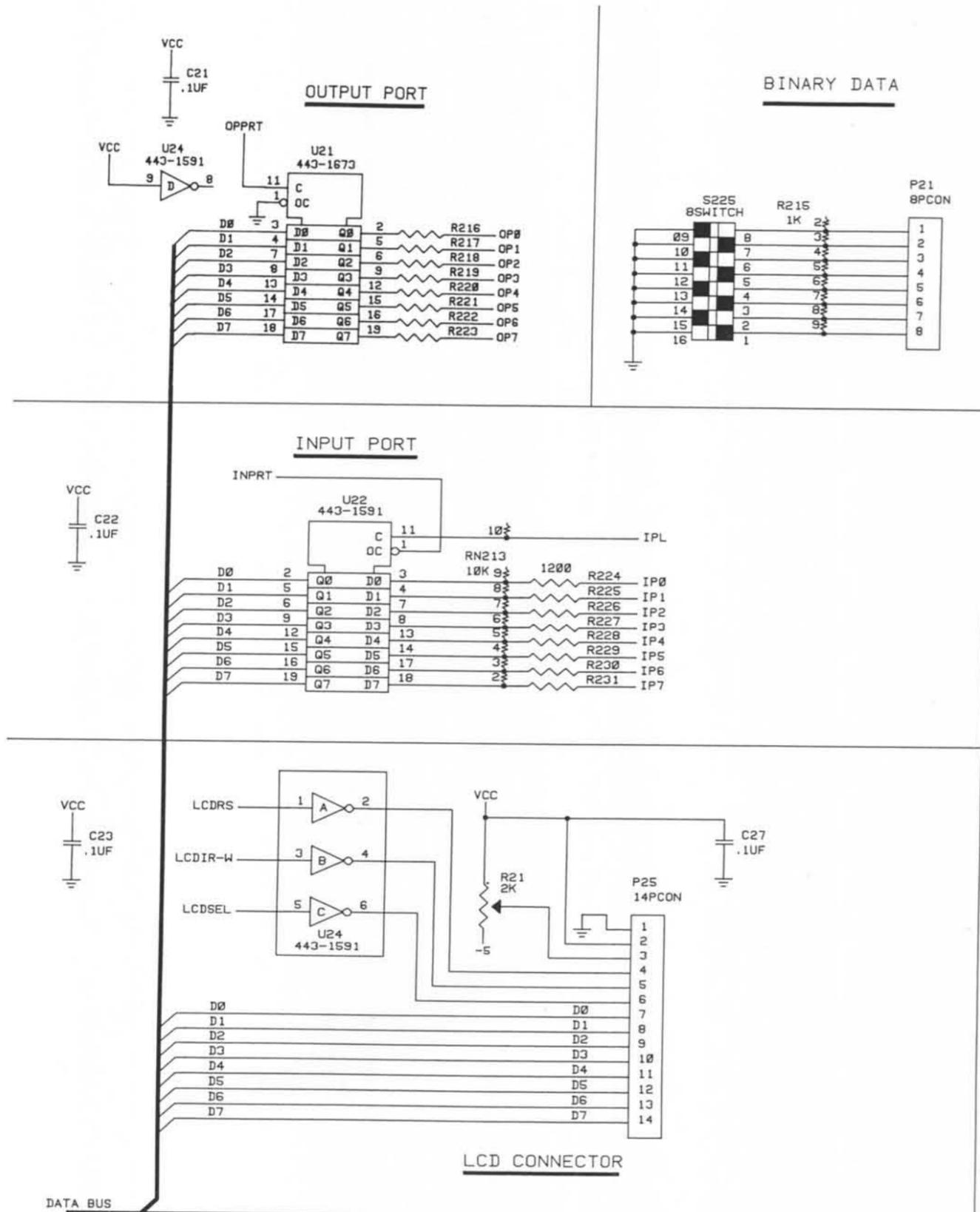
SPI INTERFACE CONTROL



PROCESSOR CARTRIDGE SOCKET

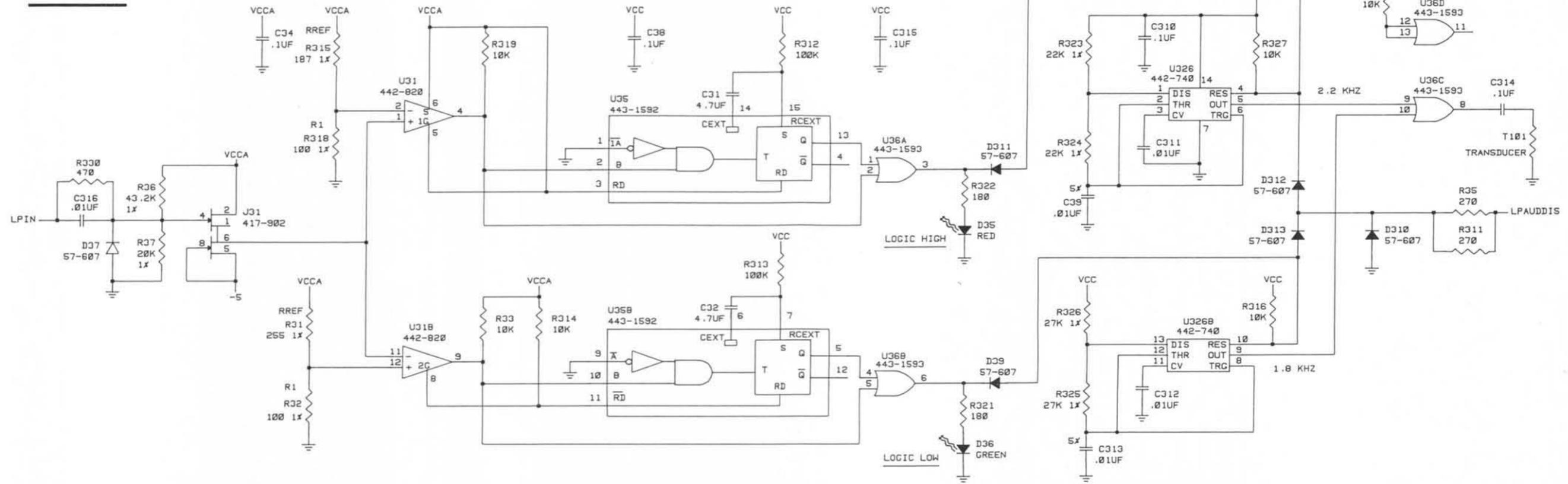


Schematic #2  
Trainer

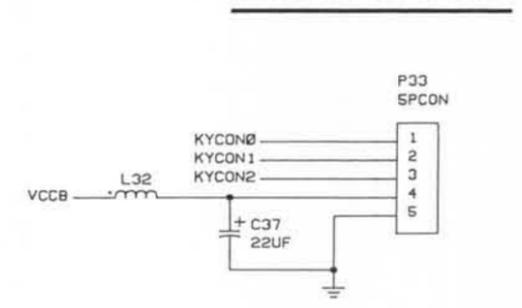


Schematic #3  
Trainer  
Part of 595-4330

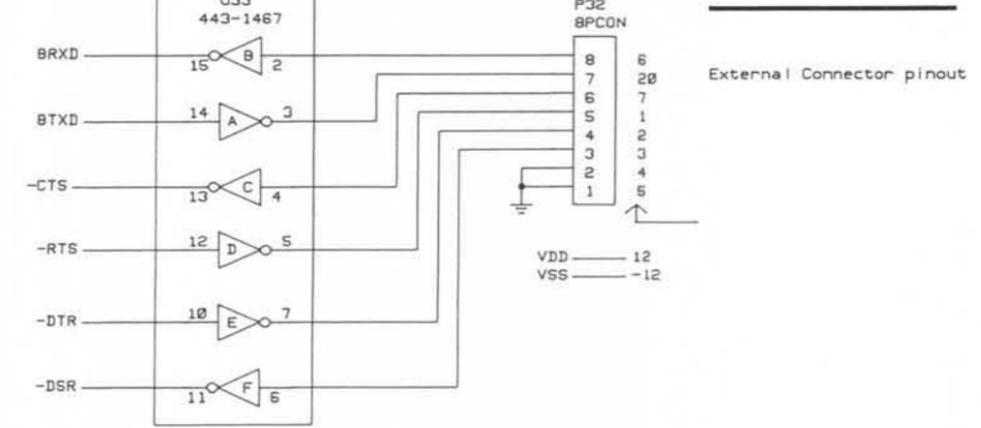
LOGIC PROBE



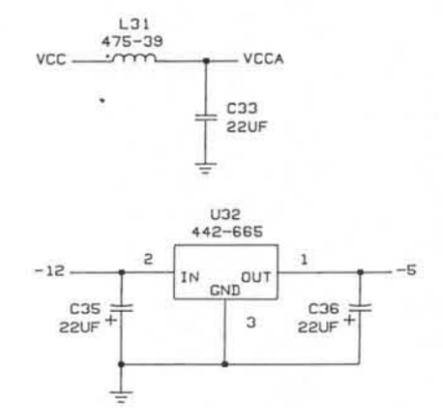
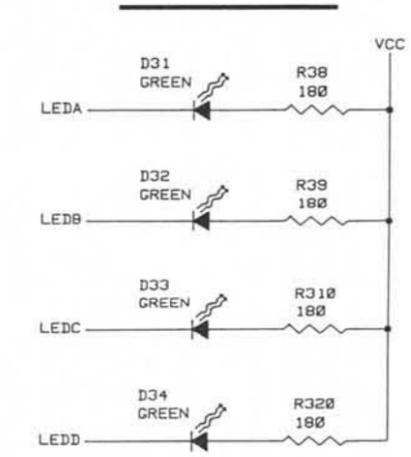
KEYBOARD CONNECTOR



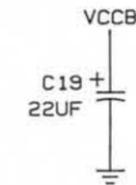
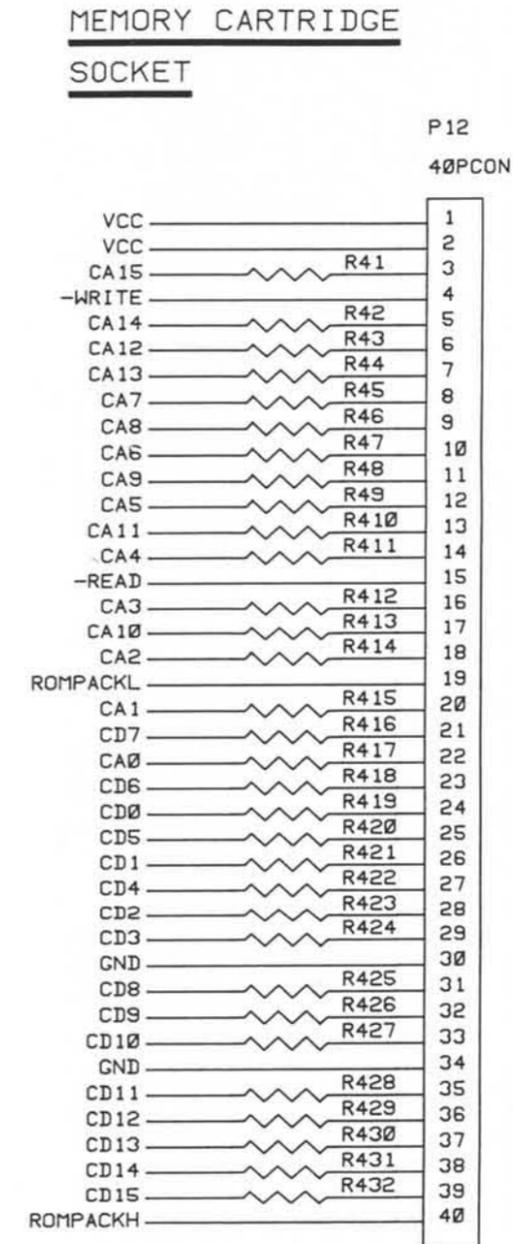
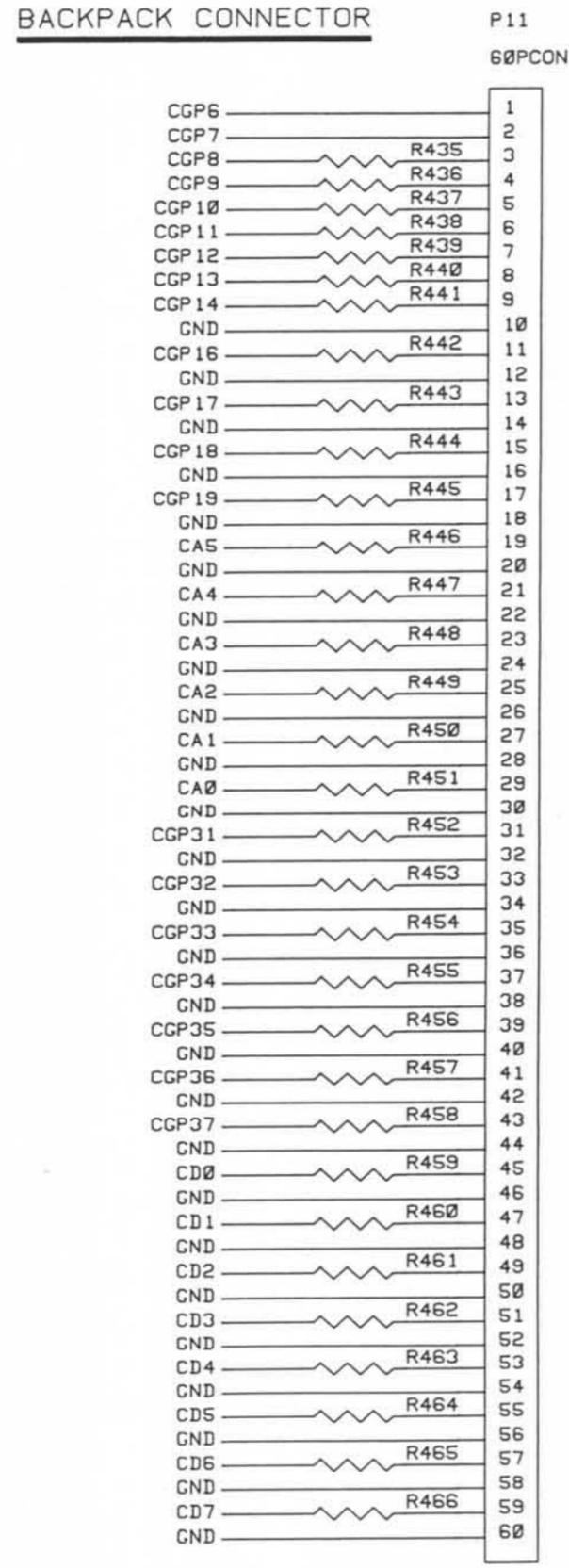
RS-232 INTERFACE



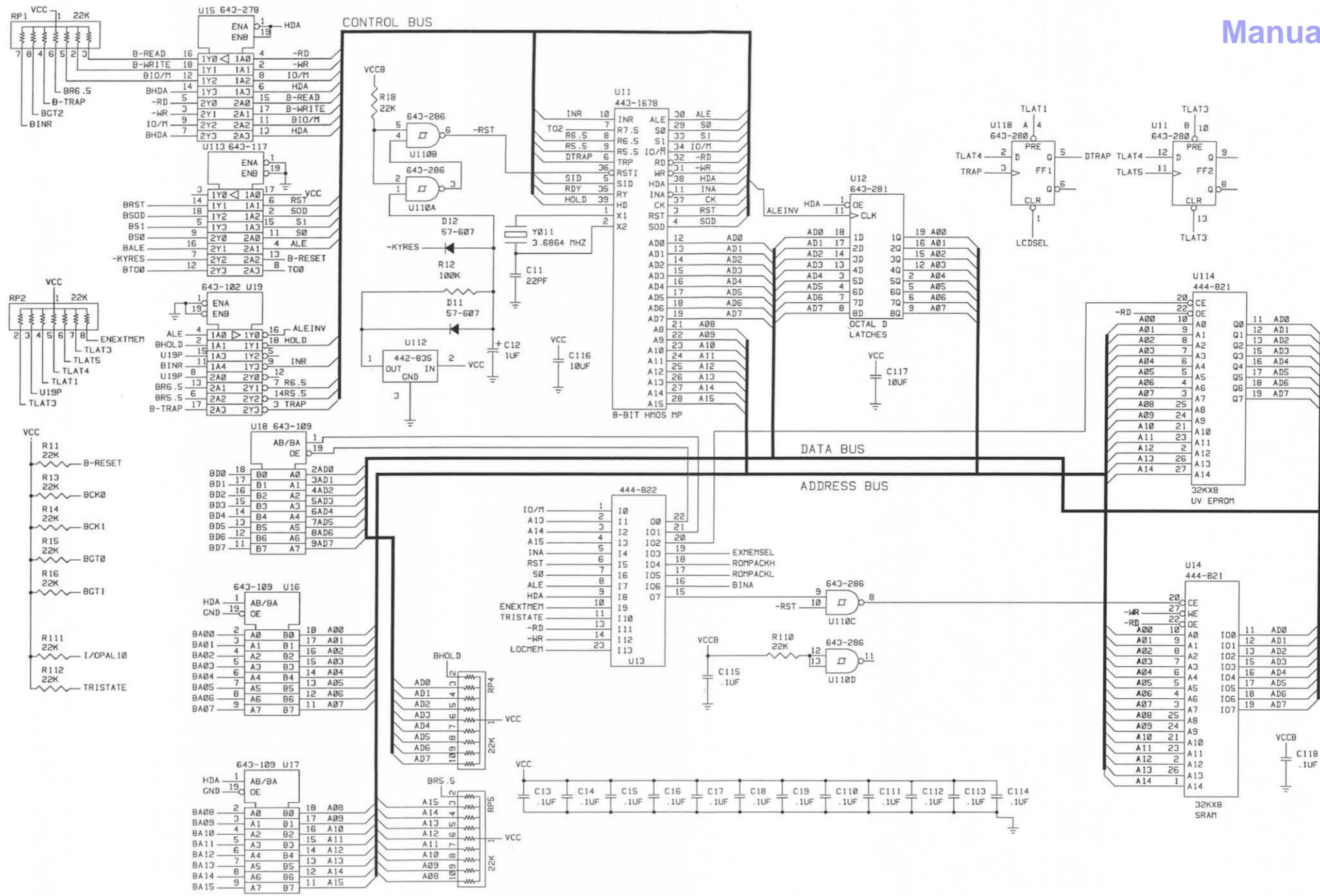
CPU INFO LED'S



Schematic #4  
Trainer

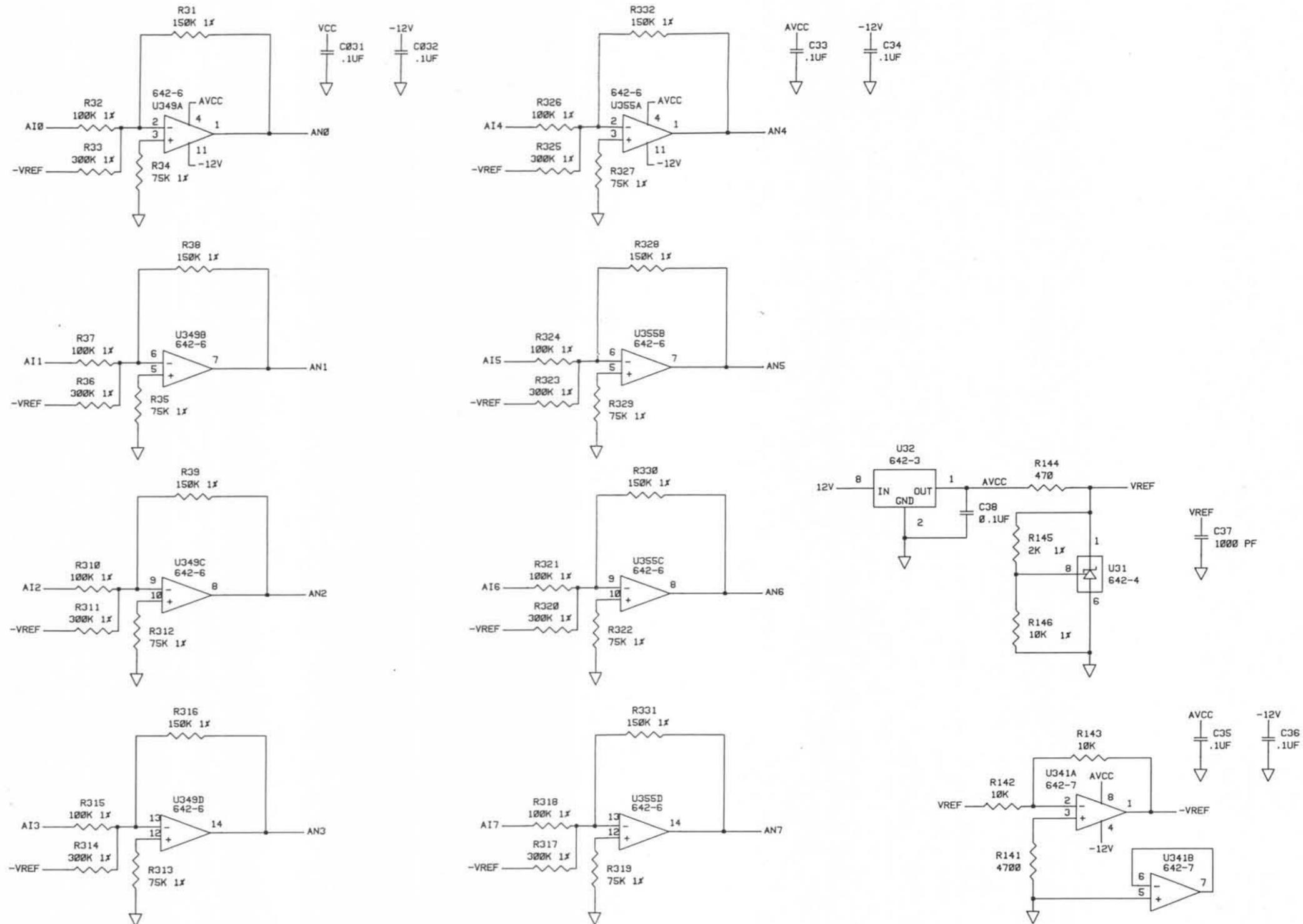


Schematic #5  
Trainer

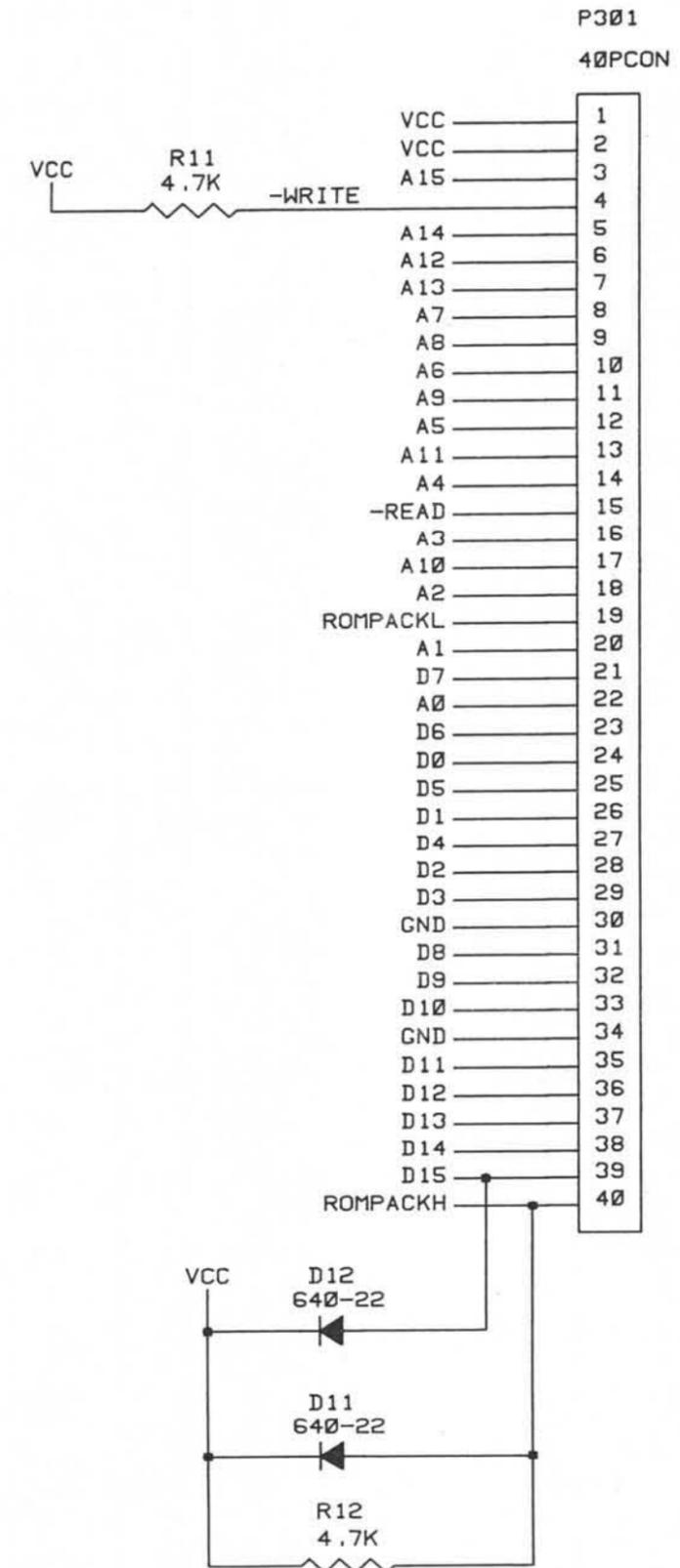
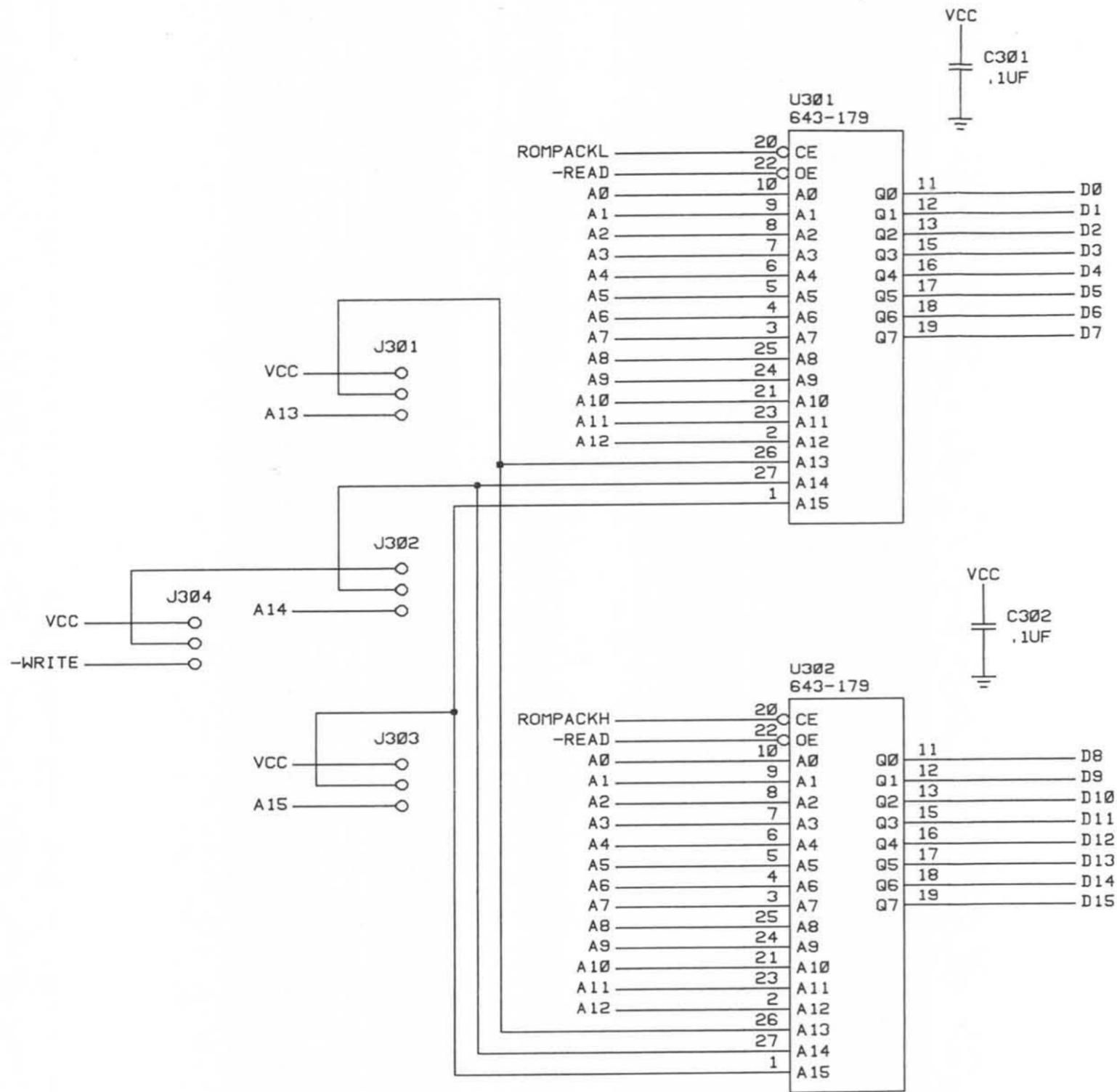


Schematic #6  
CPU Module





Schematic #8  
CPU Module



Schematic #9  
 Memory Module