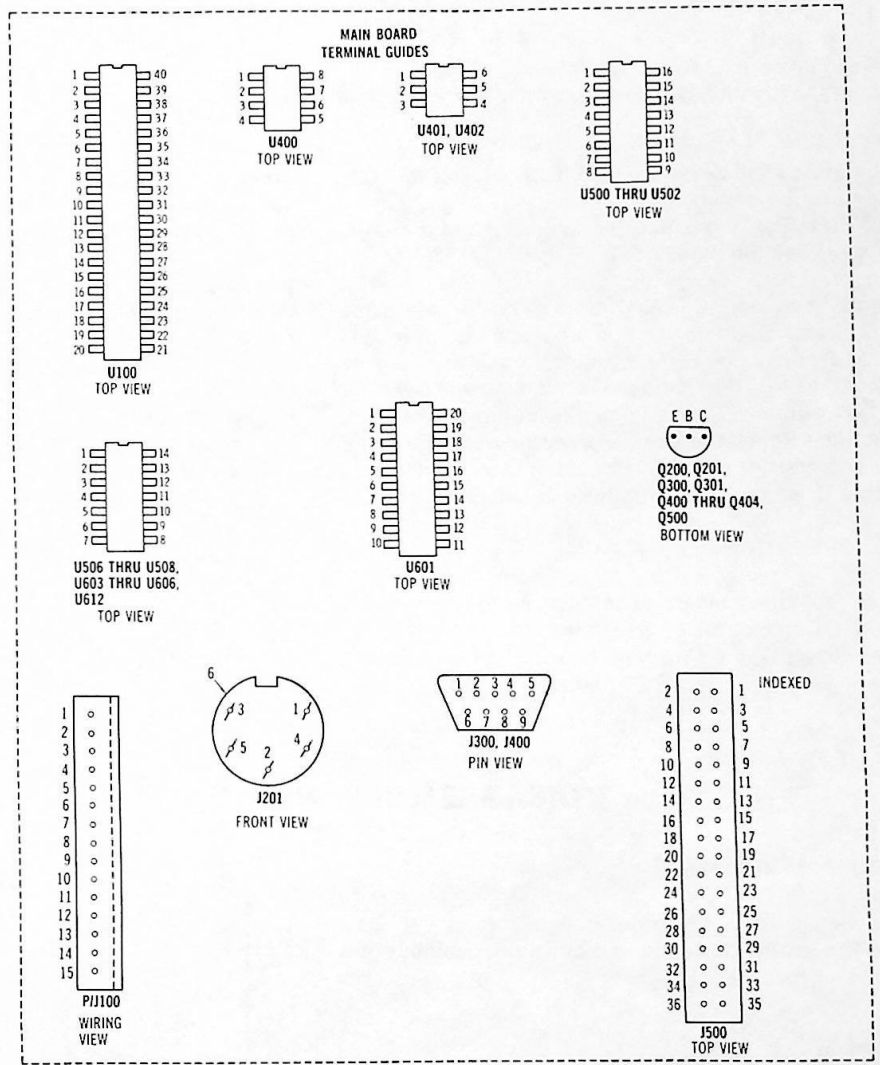
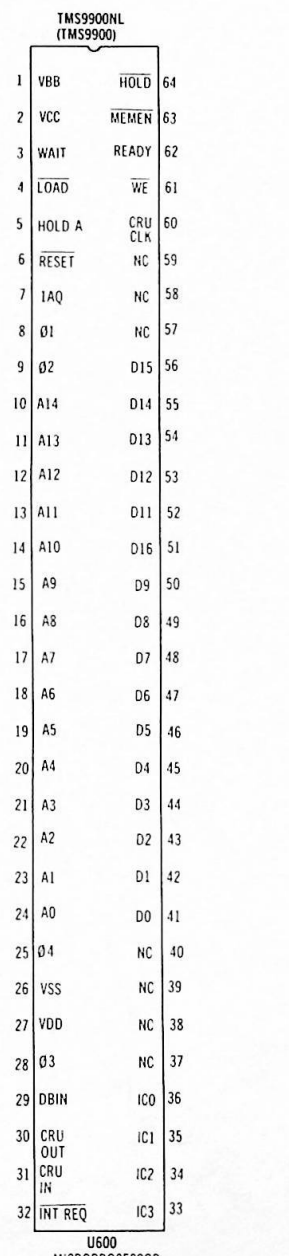
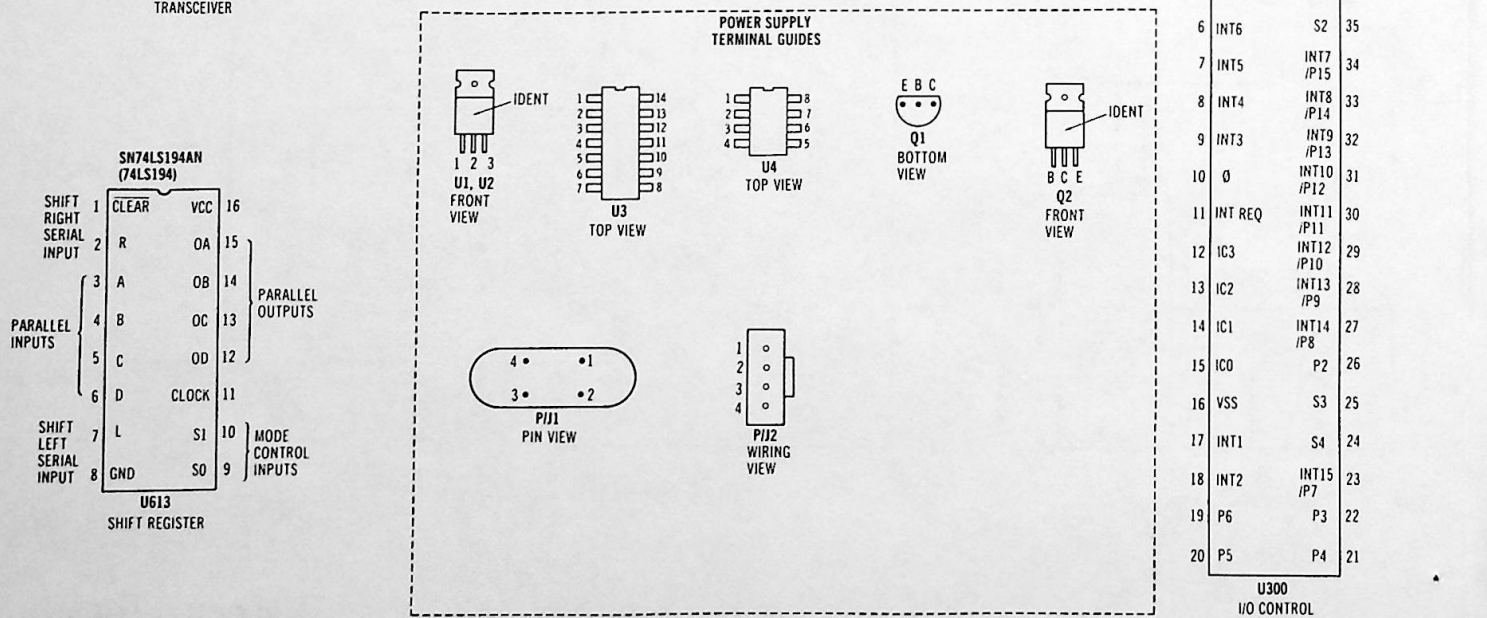
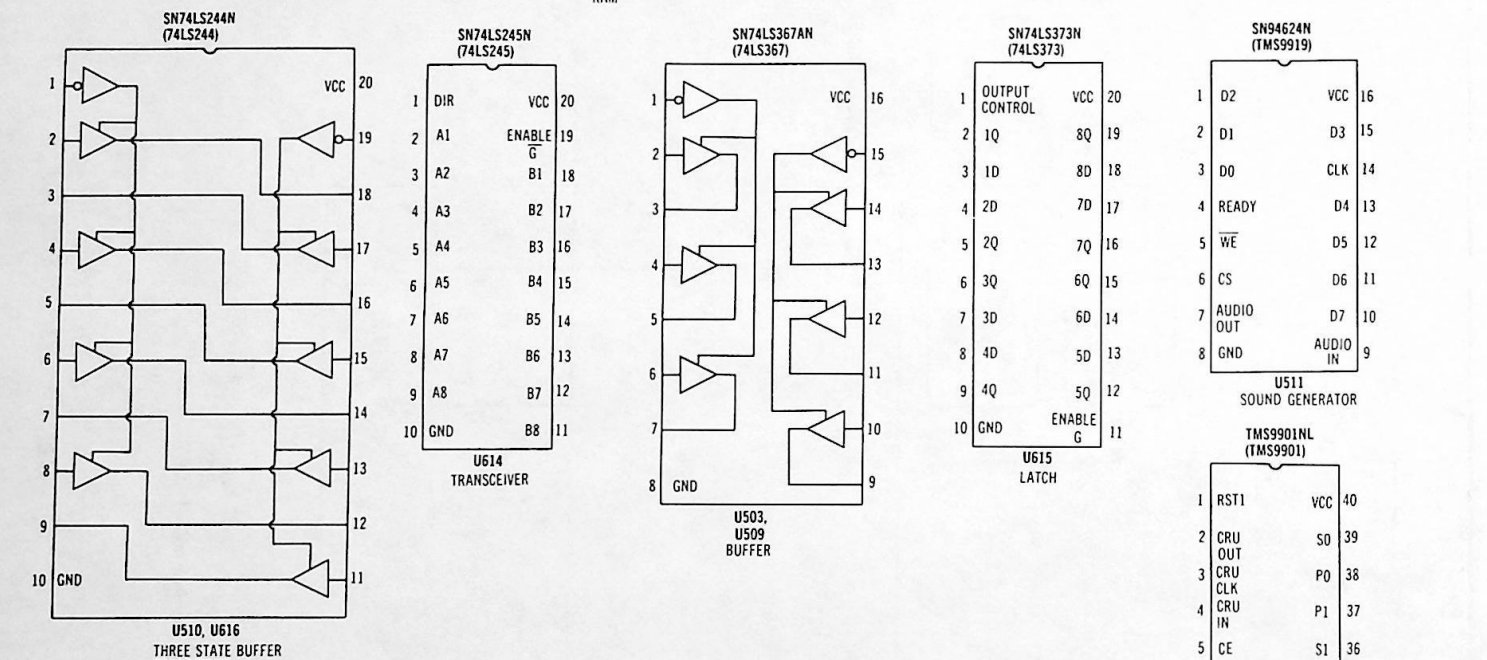
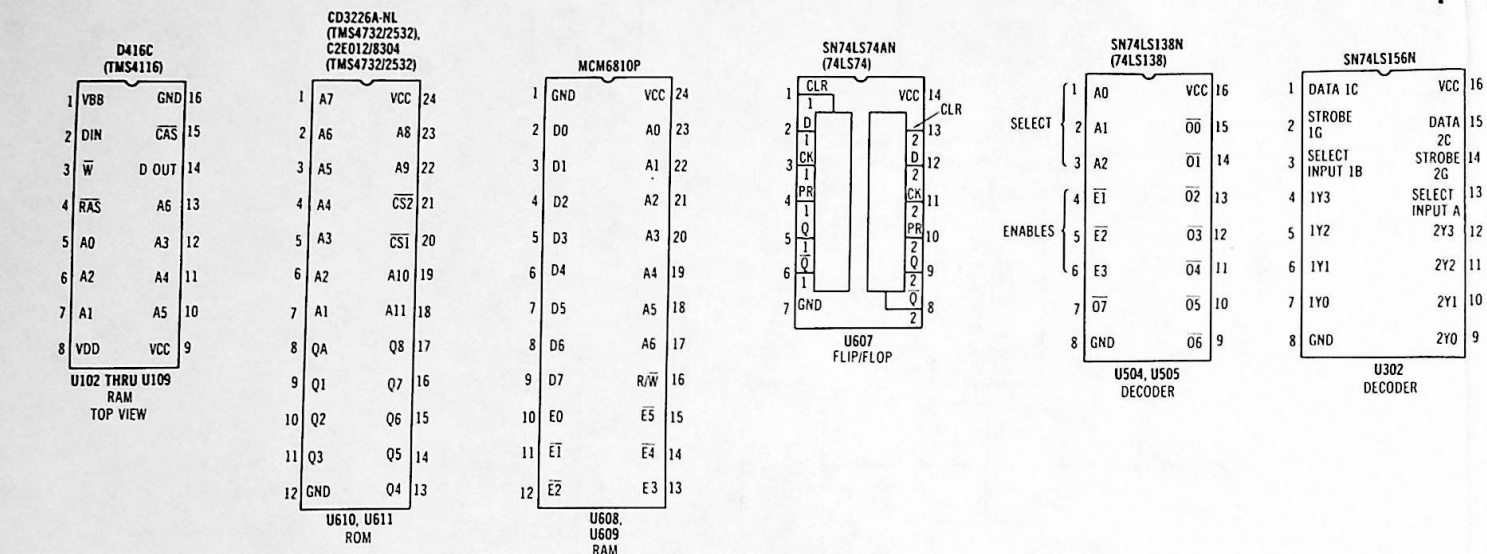


# IC PINOUTS, TERMINAL GUIDES & SCHEMATIC NOTES



## SCHEMATIC NOTES

- \* Circuitry not used in some versions
- Circuitry used in some versions
- ⊕ See parts list
- ⊖ Ground

Item numbers in rectangles appear in the alignment/adjustment instructions.

Supply voltage maintained as shown at input.

Voltages measured with digital meter.

Voltages and Waveforms taken with computer in Power Up mode (Main title screen displayed) unless otherwise noted. Waveforms taken with triggered scope and Sweep/Time switch in Calibrate position, scope input set for DC coupling on "O" reference voltage waveforms. Switch to AC input to view waveforms after DC reference is measured when necessary. Each waveform is 9 cm width with DC reference voltage given at the bottom line of each waveform. Time in  $\mu$ sec. per cm, given with p-p reading at the end of each waveform.

Terminal identification may not be found on unit. Resistors are 1/2W or less, 5% unless noted. Value in ( ) used in some versions.

NOTE: Logic probe readings taken with computer in Power Up mode (Main title screen displayed) unless otherwise noted.

Logic Probe Display

L = Low

H = High

P = Pulse

\* = Open (no light on)

- (1) Probe will show P when sound is being produced.
- (2) Probe will show P when the 6 key is pressed.
- (3) Probe will show P when the Y key is pressed.
- (4) Probe will show P when the H key is pressed.
- (5) Probe will show P when the N key is pressed.
- (6) Probe will show P when the Z key is pressed.
- (7) Probe will show P when the Q key is pressed.
- (8) Probe will show P when the A key is pressed.
- (9) Probe will show P when the 2 key is pressed.
- (10) Probe will show P when saving program to tape.
- (11) Probe will show P when loading program from tape.