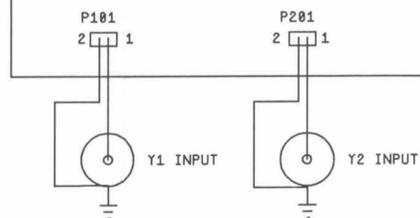


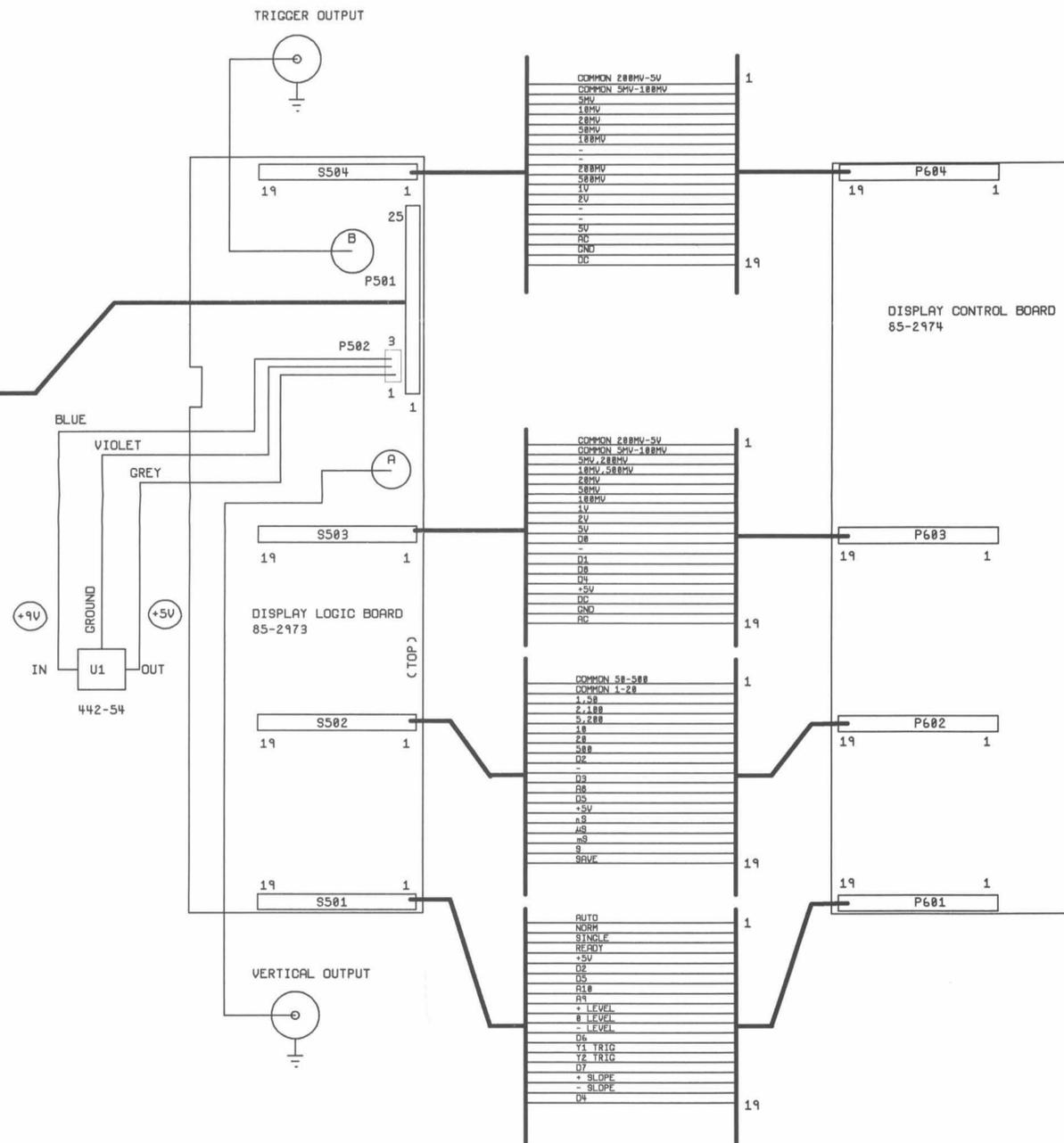
SCHEMATIC OF THE  
DIGITAL MEMORY  
OSCILLOSCOPE  
MODEL 4850

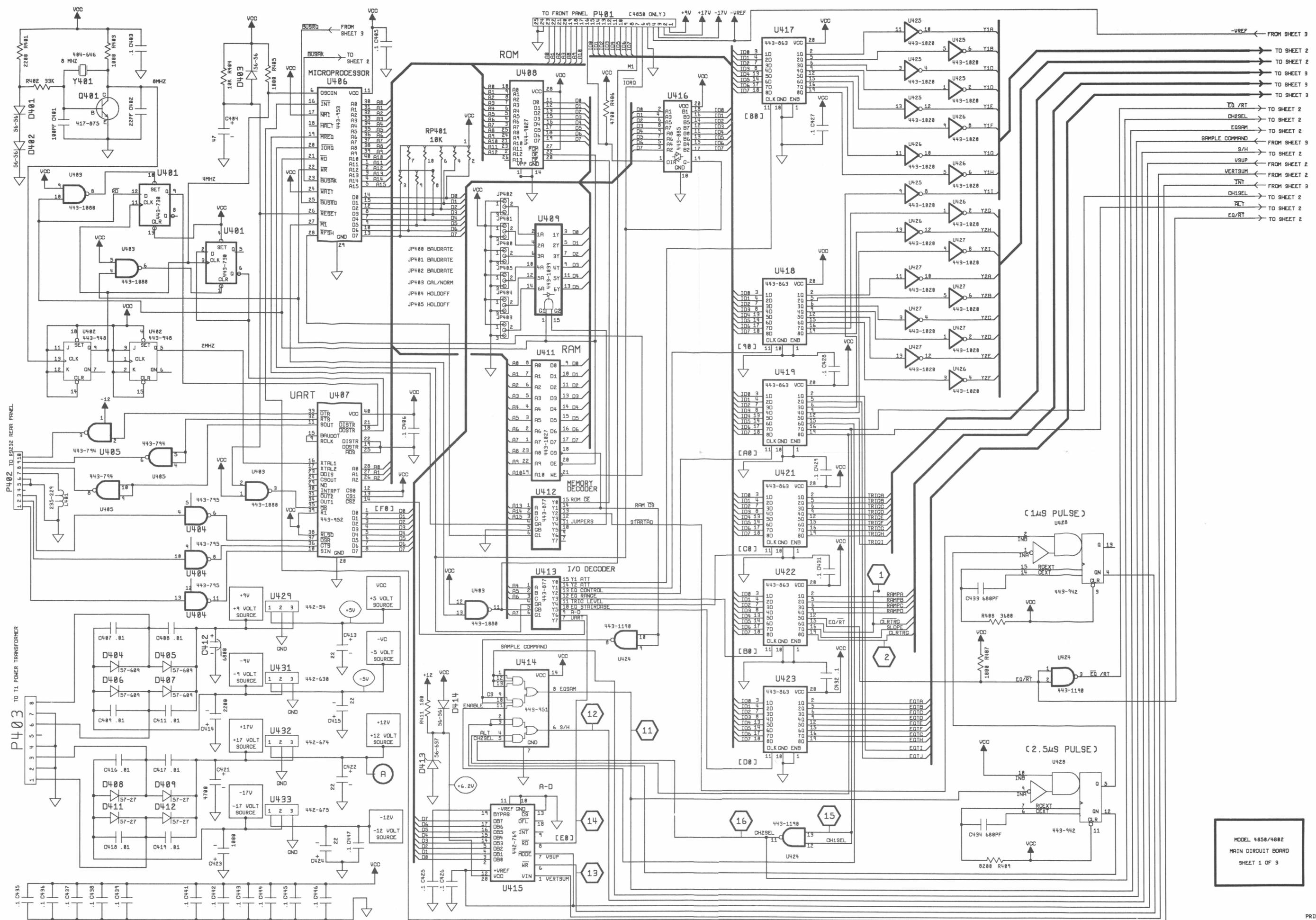
NOTES:

- RESISTORS ARE RATED AT 1/4 WATT. RESISTOR VALUES ARE IN OHMS (K=1,000 ; M=1,000,000)
- CAPACITOR VALUES ARE IN  $\mu F$  (MICROFARADS) UNLESS OTHERWISE LISTED. (PF=PICOFARADS)
- SYMBOLS :
  - INDICATES A D.C. VOLTAGE TAKEN WITH A HIGH INPUT IMPEDANCE VOLTMETER FROM THE POINT TO CHASSIS GROUND. VOLTAGES MAY VARY +/- 20%.
  - ▽ INDICATES A CIRCUIT BOARD GROUND.
  - ⊥ INDICATES A CHASSIS GROUND.
  - THIS SYMBOL, WITH A LETTER, INDICATES A WIRE CONNECTION TO A CIRCUIT BOARD.
  - INDICATES A VOLTAGE SOURCE.
  - ↑ INDICATES A CONNECTION TO A VOLTAGE SOURCE, THAT ORIGINATES ON SAME BOARD.
  - [ ] INDICATES ADDRESS OF PART USED BY THE SOFTWARE.
  - TO INDICATES LINE THAT ORIGINATES ON THIS SHEET AND CONNECTS TO ANOTHER SHEET.
  - ← FROM INDICATES LINE THAT ORIGINATES ON ANOTHER SHEET AND CONNECTS TO THIS SHEET.
  - INDICATES A WAVEFORM LOCATION. REFER TO THE WAVEFORM SECTION OF THE ILLUSTRATION BOOKLET.
- REFER TO THE "CIRCUIT BOARD X-RAY VIEWS" FOR THE PHYSICAL LOCATION OF PARTS.
- PARTS WITHIN THE SHADED AREA ARE CRITICAL TO CONTINUED SAFETY. USE A HEATH REPLACEMENT OR EXACT EQUIVALENT.
- COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:
  - 1-99 PARTS LOCATED ON THE CHASSIS.
  - 100-199 PARTS LOCATED ON THE MAIN BOARD (Y1 VERTICAL CIRCUITS)
  - 200-299 PARTS LOCATED ON THE MAIN BOARD (Y2 VERTICAL CIRCUITS)
  - 300-399 PARTS LOCATED ON THE MAIN BOARD (TIME BASE CIRCUITS)
  - 400-499 PARTS LOCATED ON THE MAIN BOARD (CONTROLLER CIRCUITS)
  - 500-599 PARTS LOCATED ON THE DISPLAY LOGIC BOARD.
  - 600-699 PARTS LOCATED ON THE DISPLAY CONTROL BOARD.

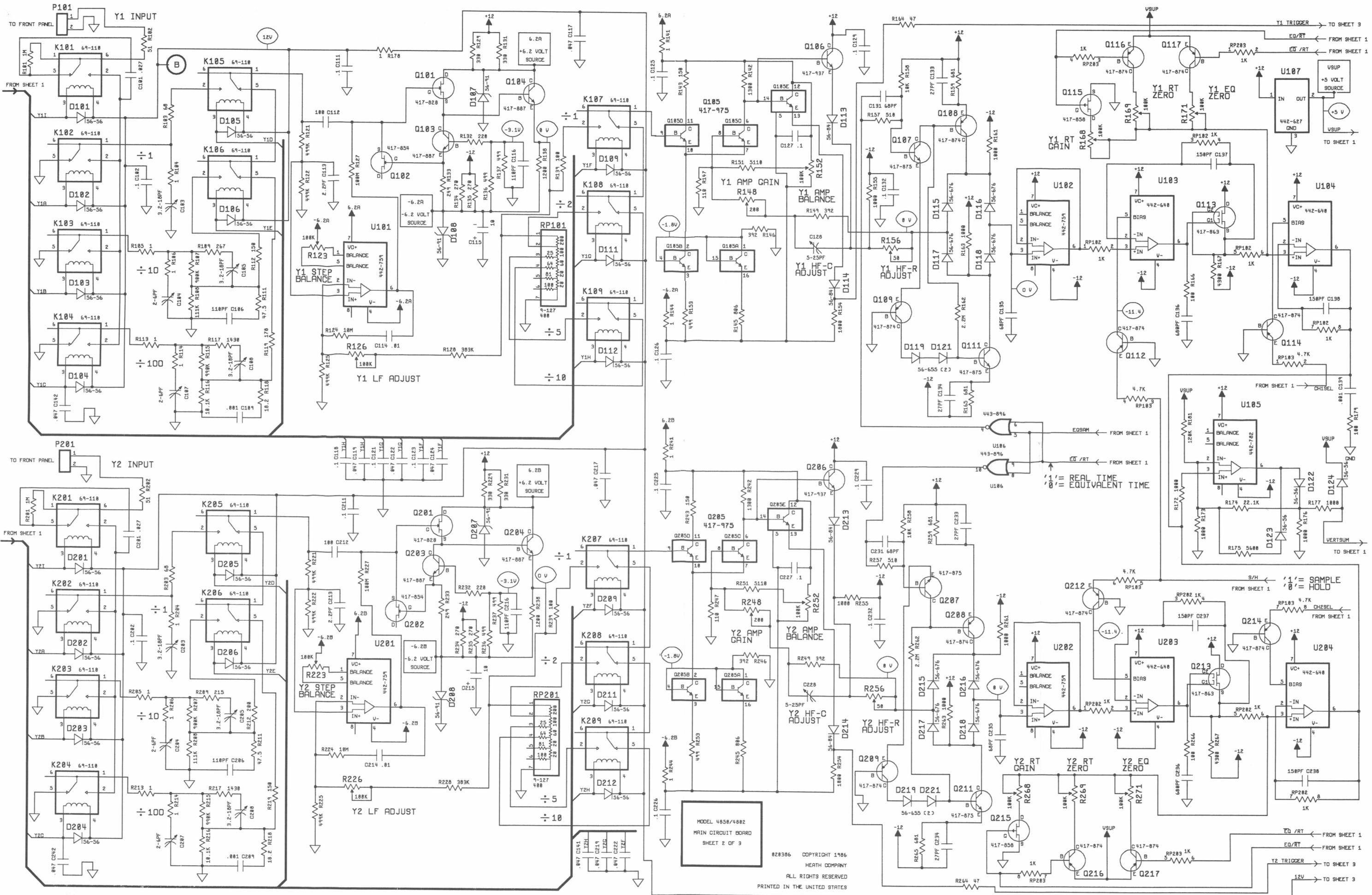


MAIN CIRCUIT BOARD  
85-3154



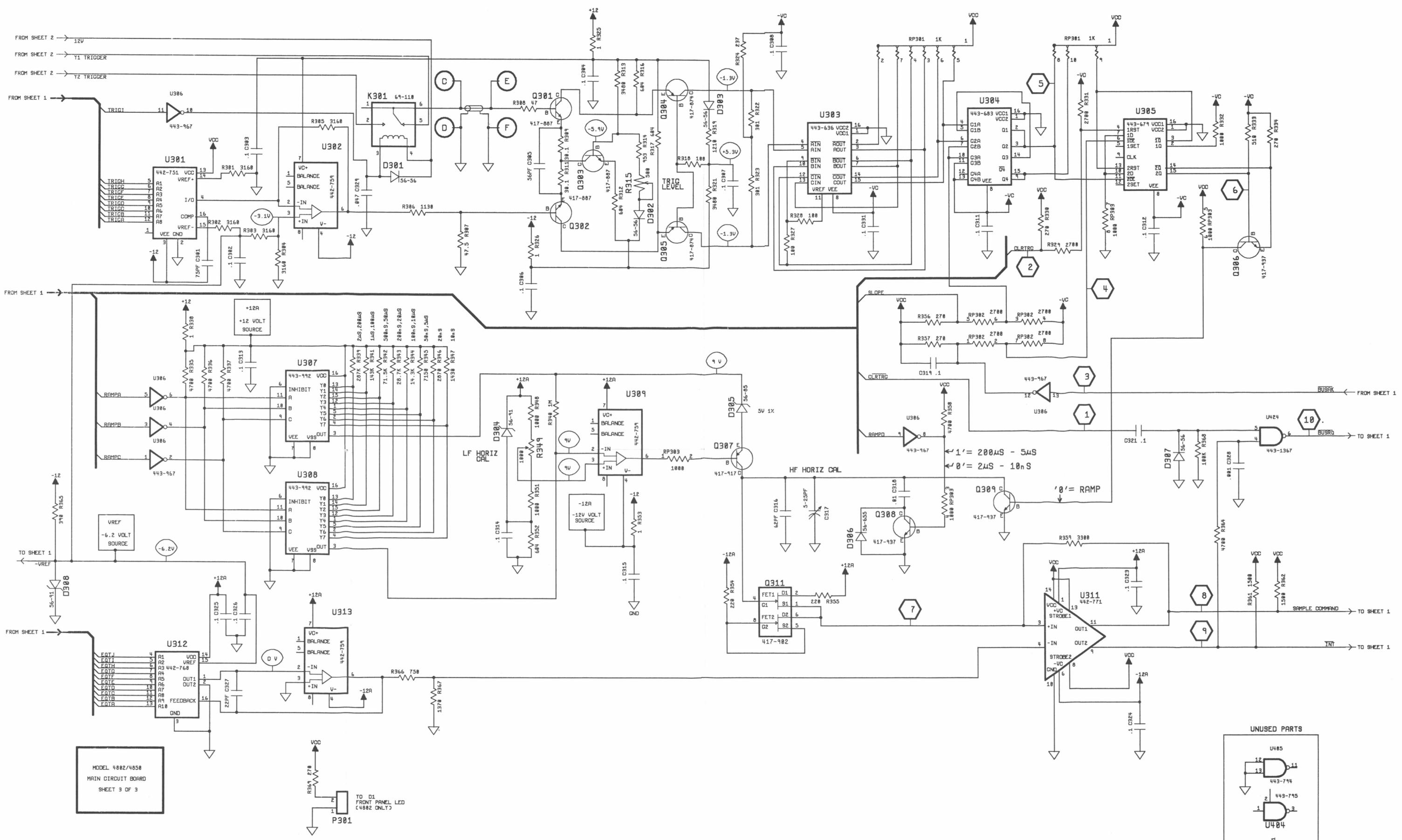


MODEL 4850/4882  
 MAIN CIRCUIT BOARD  
 SHEET 1 OF 3



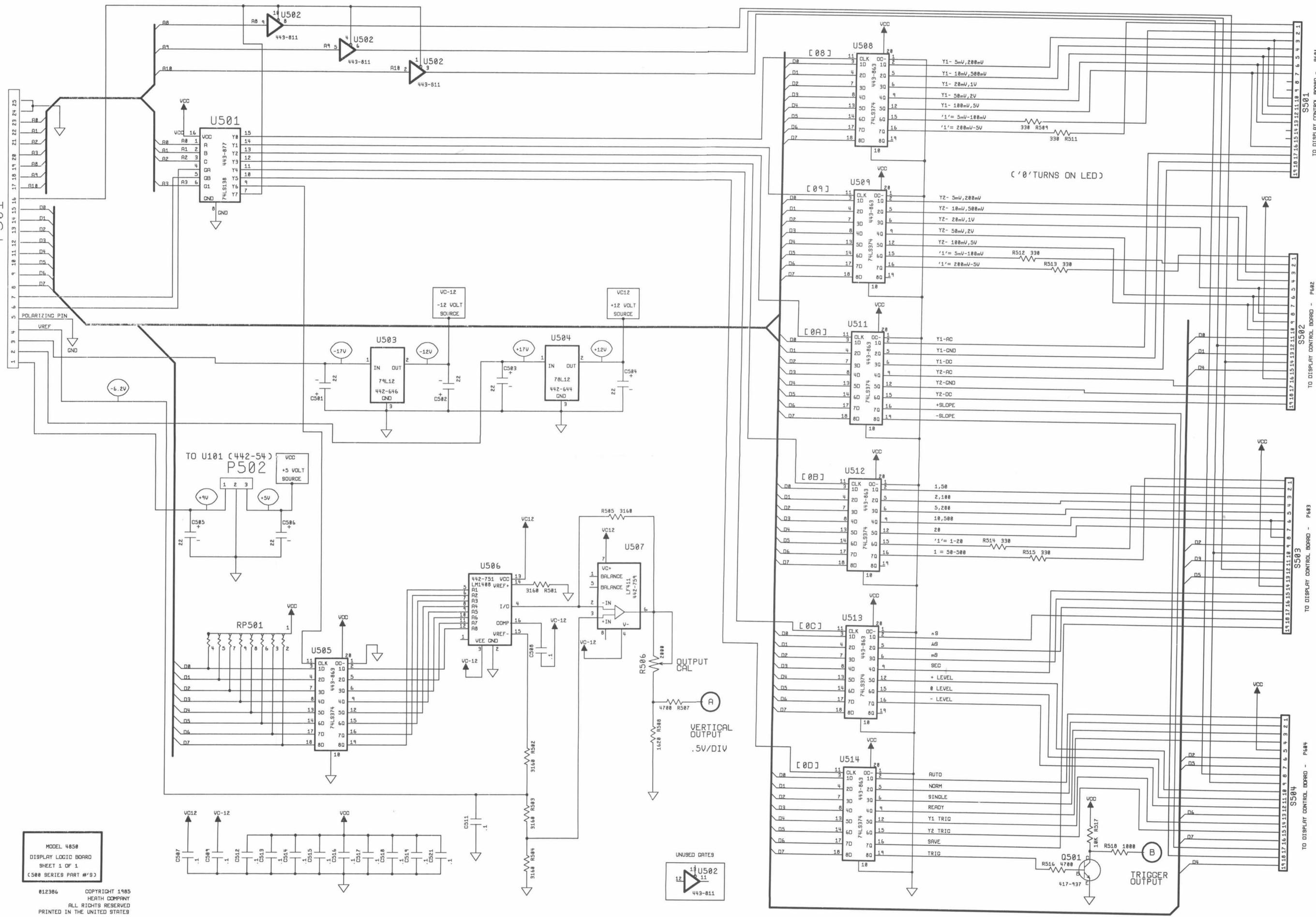
MODEL 4850/4882  
 MAIN CIRCUIT BOARD  
 SHEET 2 OF 3

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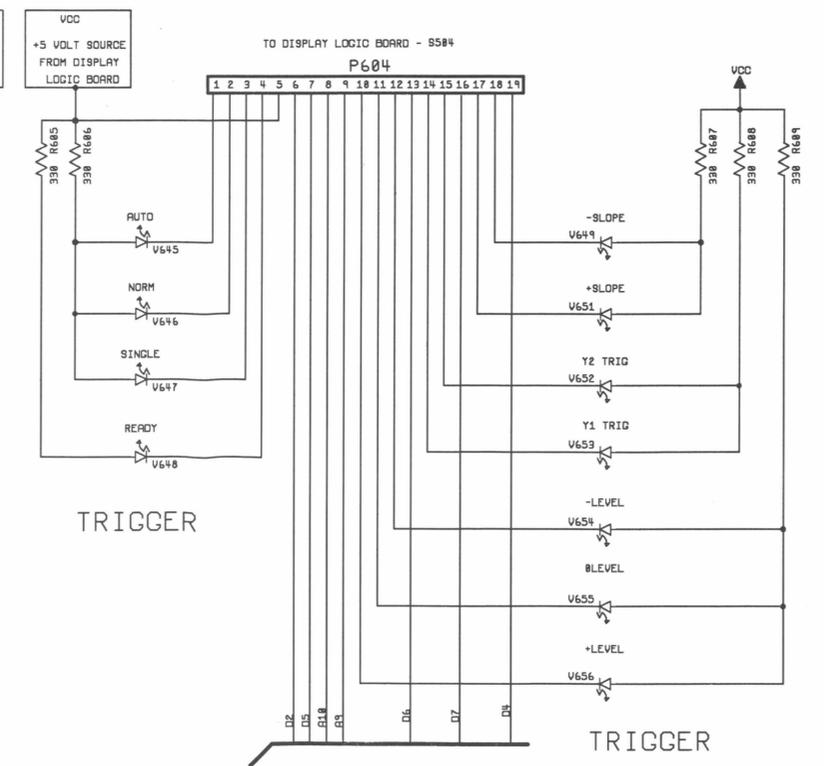
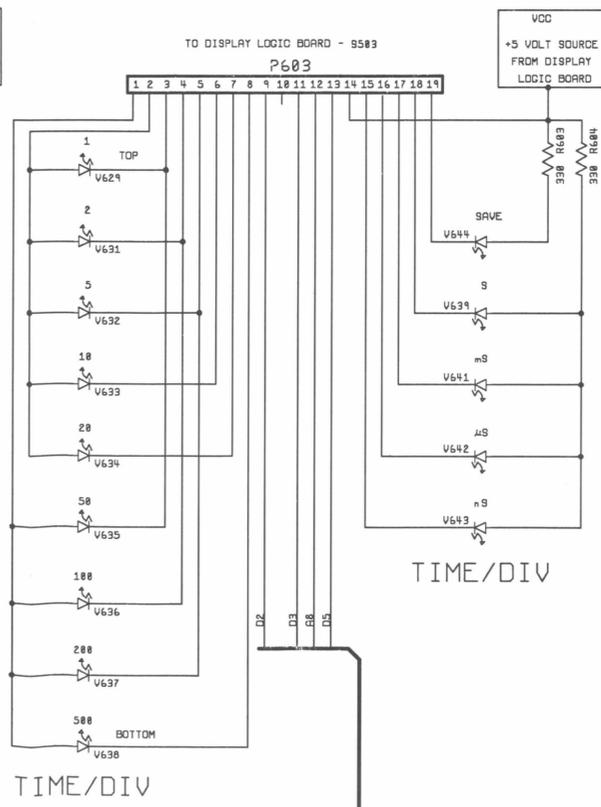
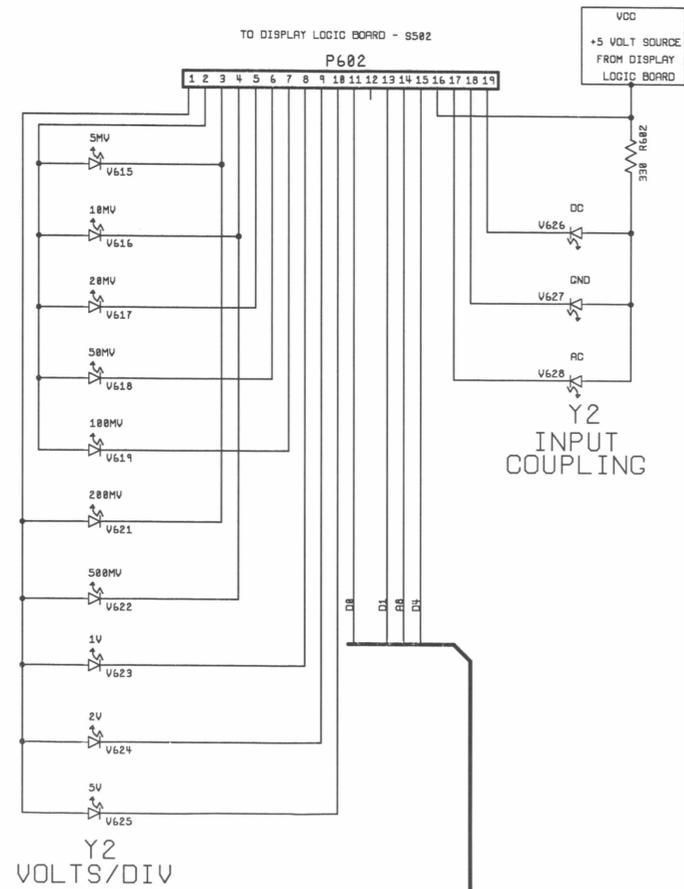
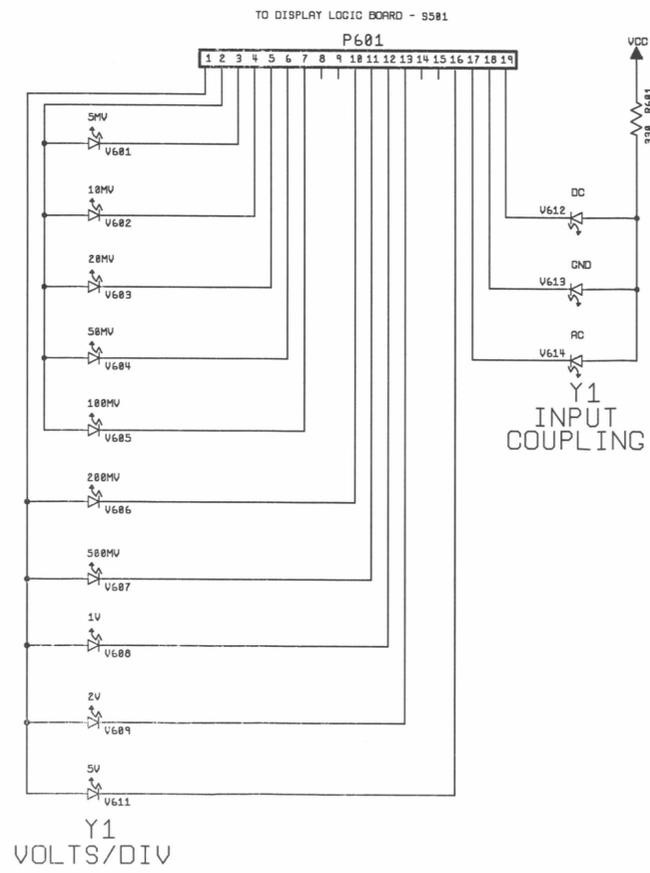
TO MAIN BOARD - P441

P501



MODEL 4850  
 DISPLAY LOGIC BOARD  
 SHEET 1 OF 1  
 (500 SERIES PART #9)

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ALL LED'S 412-654

MODEL 4850  
DISPLAY CONTROL BOARD  
SHEET 1 OF 1  
C600 SERIES PART #'S

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