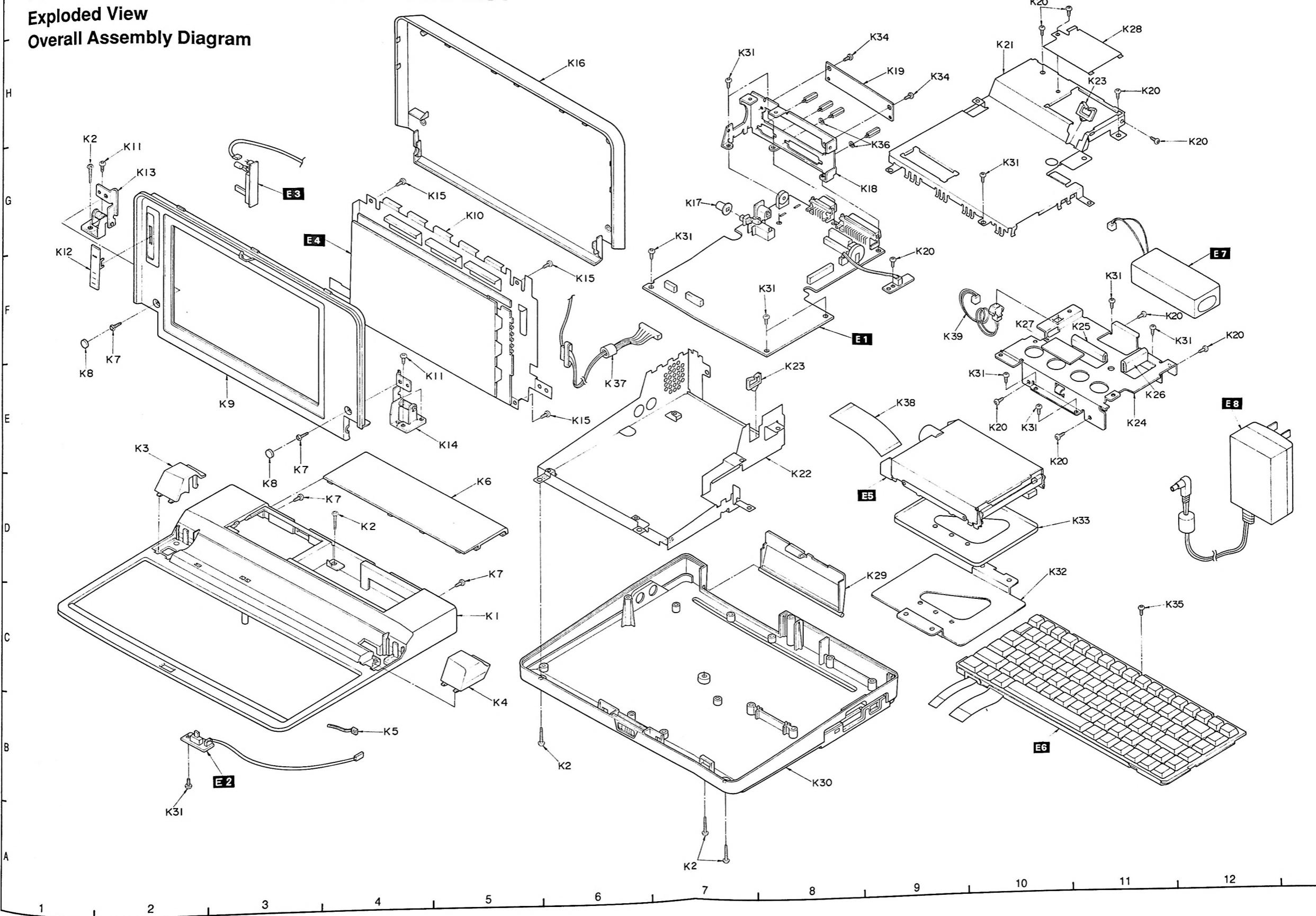


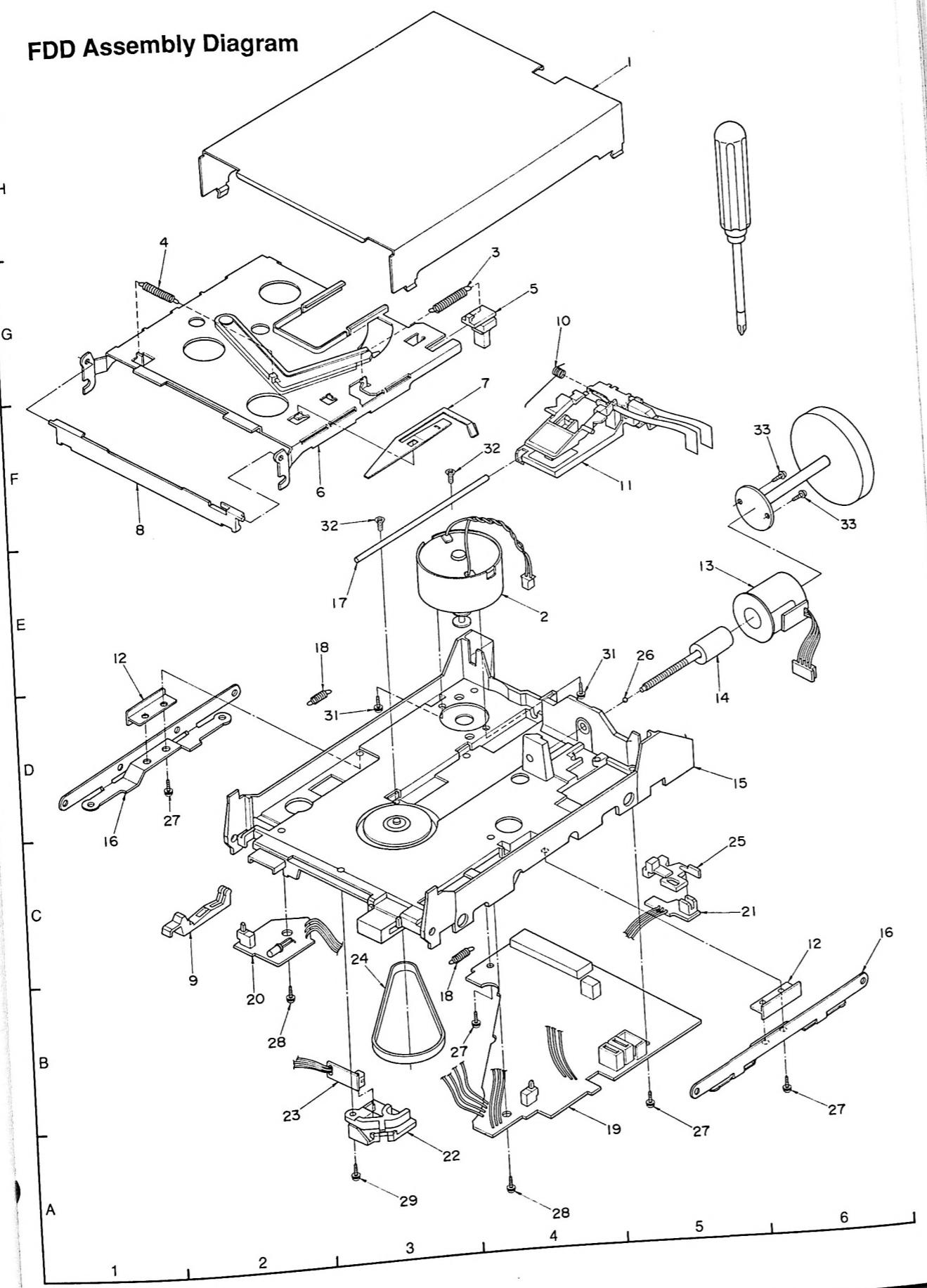
PART VI. EXPLODED VIEW and PARTS LIST

Exploded View

Overall Assembly Diagram



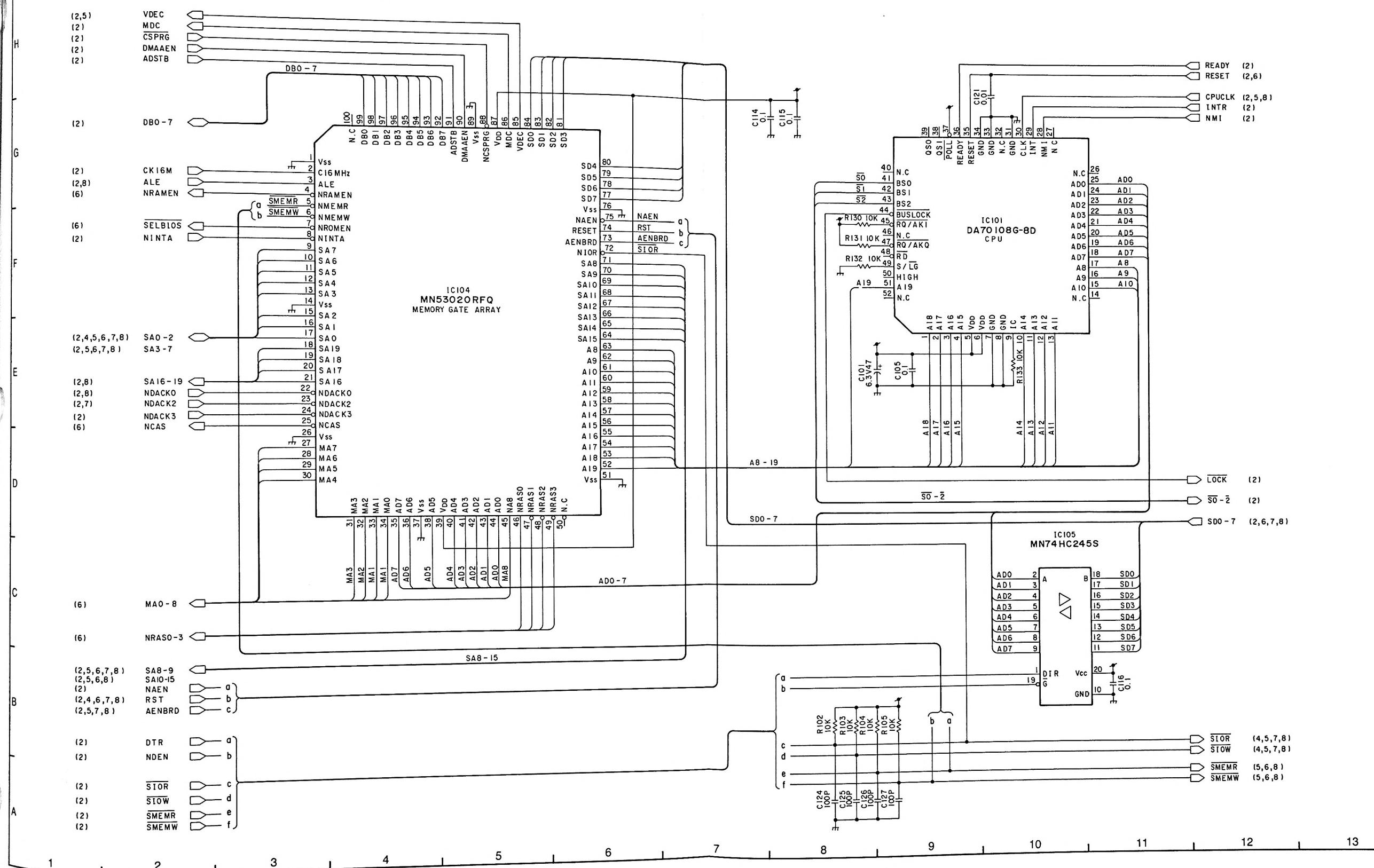
FDD Assembly Diagram



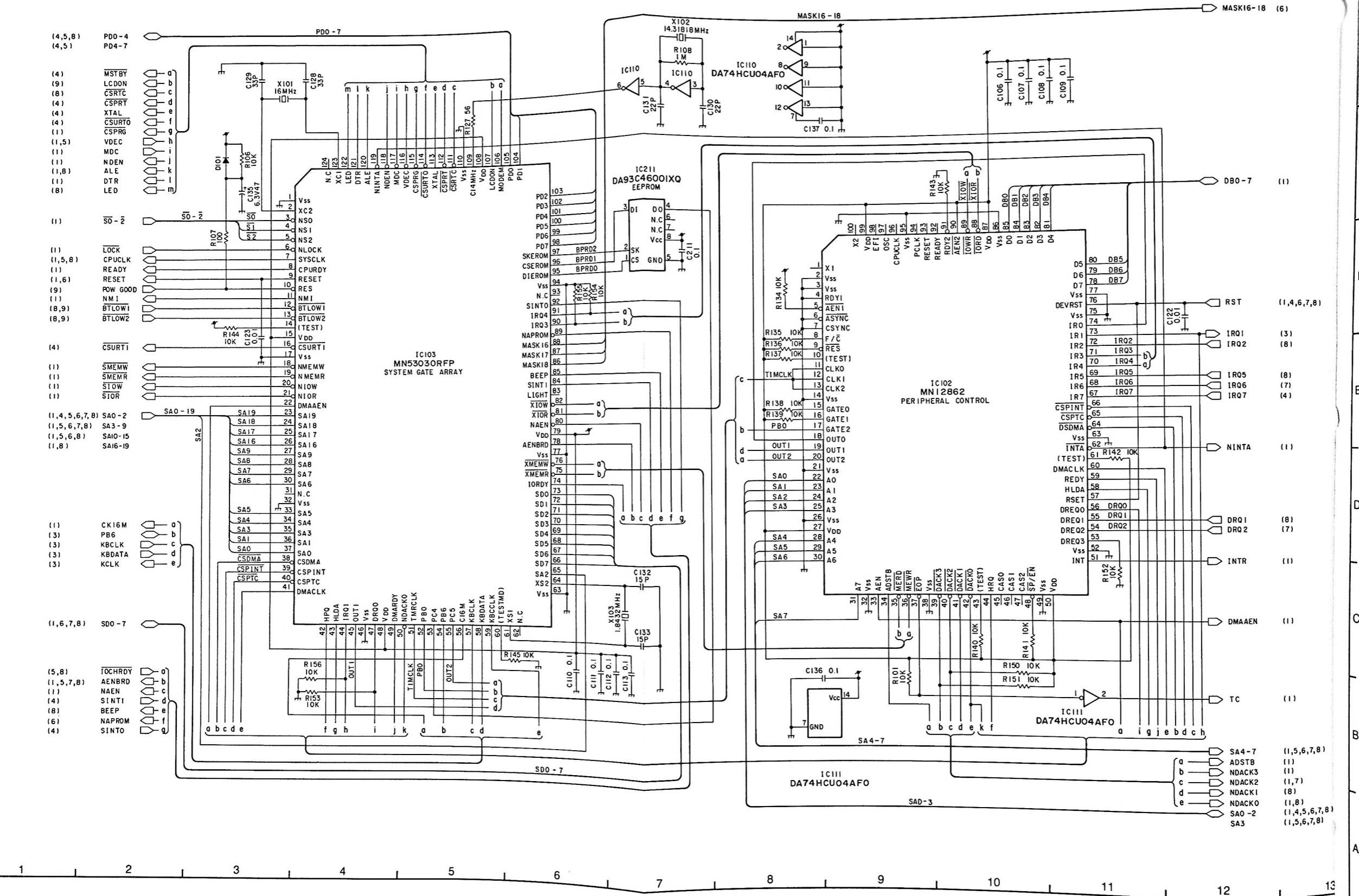
PART VII. CIRCUIT DIAGRAMS

Main PCB Circuit Diagram

CPU and CPU Control Circuits (Sheet No. 1 of 9)



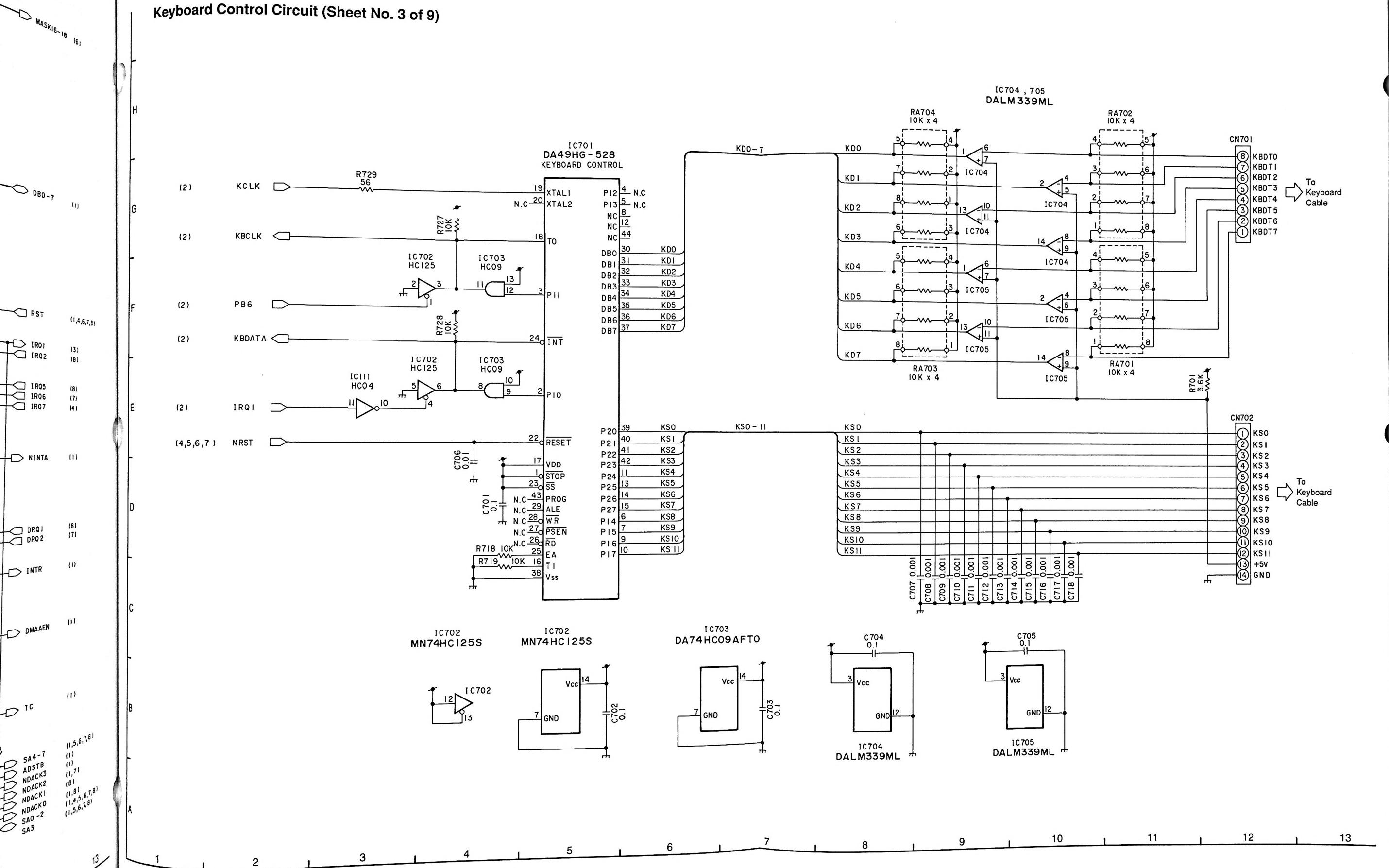
System Control, Peripheral Control and EEPROM Circuits (Sheet No. 2 of 9)



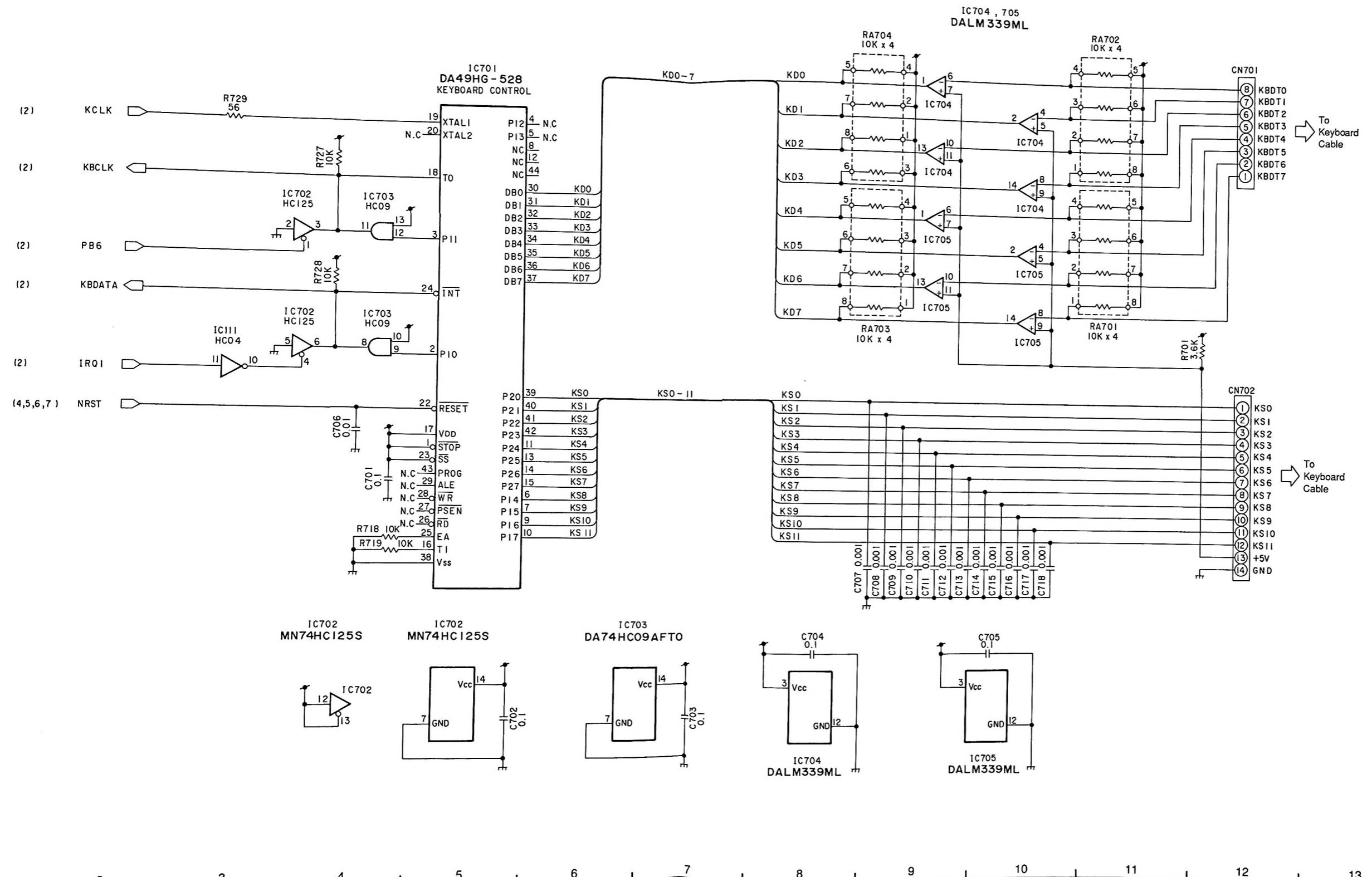
	CN4
NSTROBE	(1)
PRD0	(2)
PRD1	(3)
PRD2	(4)
PRD3	(5)
PRD4	(6)
PRD5	(7)
PRD6	(8)
PRD7	(9)
NACK	(10)
BUSY	(11)
PER	(12)
SLCT	(13)
NAUTOFEEED	(14)
NPERR	(15)
NINIT	(16)
NSLCTI	(17)
GND	(18)
N.C.	(19)
N.C.	(20)
N.C.	(21)
N.C.	(22)
N.C.	(23)
N.C.	(24)
GND	(25)

To Parallel Printer

Keyboard Control Circuit (Sheet No. 3 of 9)



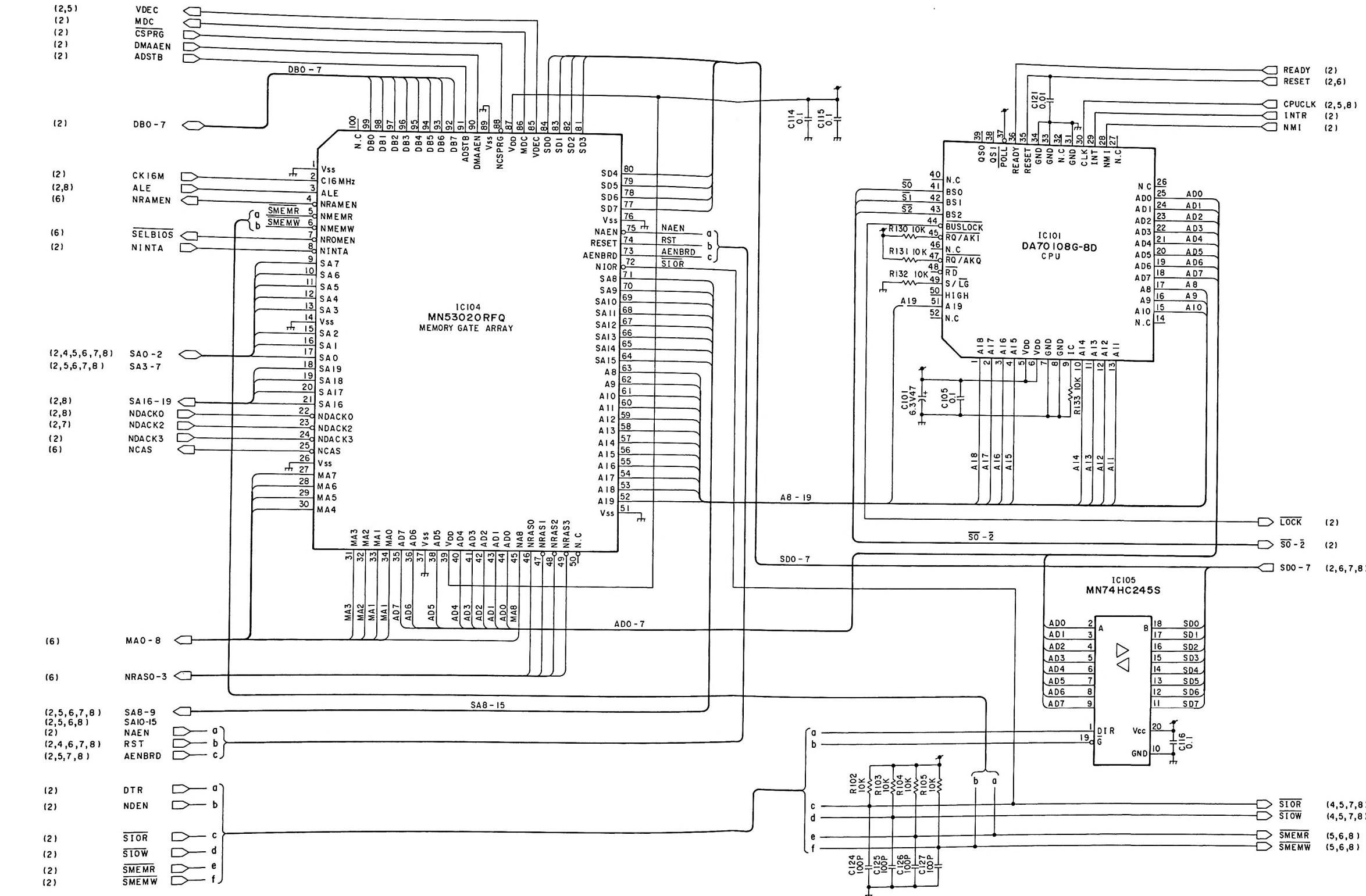
Keyboard Control Circuit (Sheet No. 3 of 9)



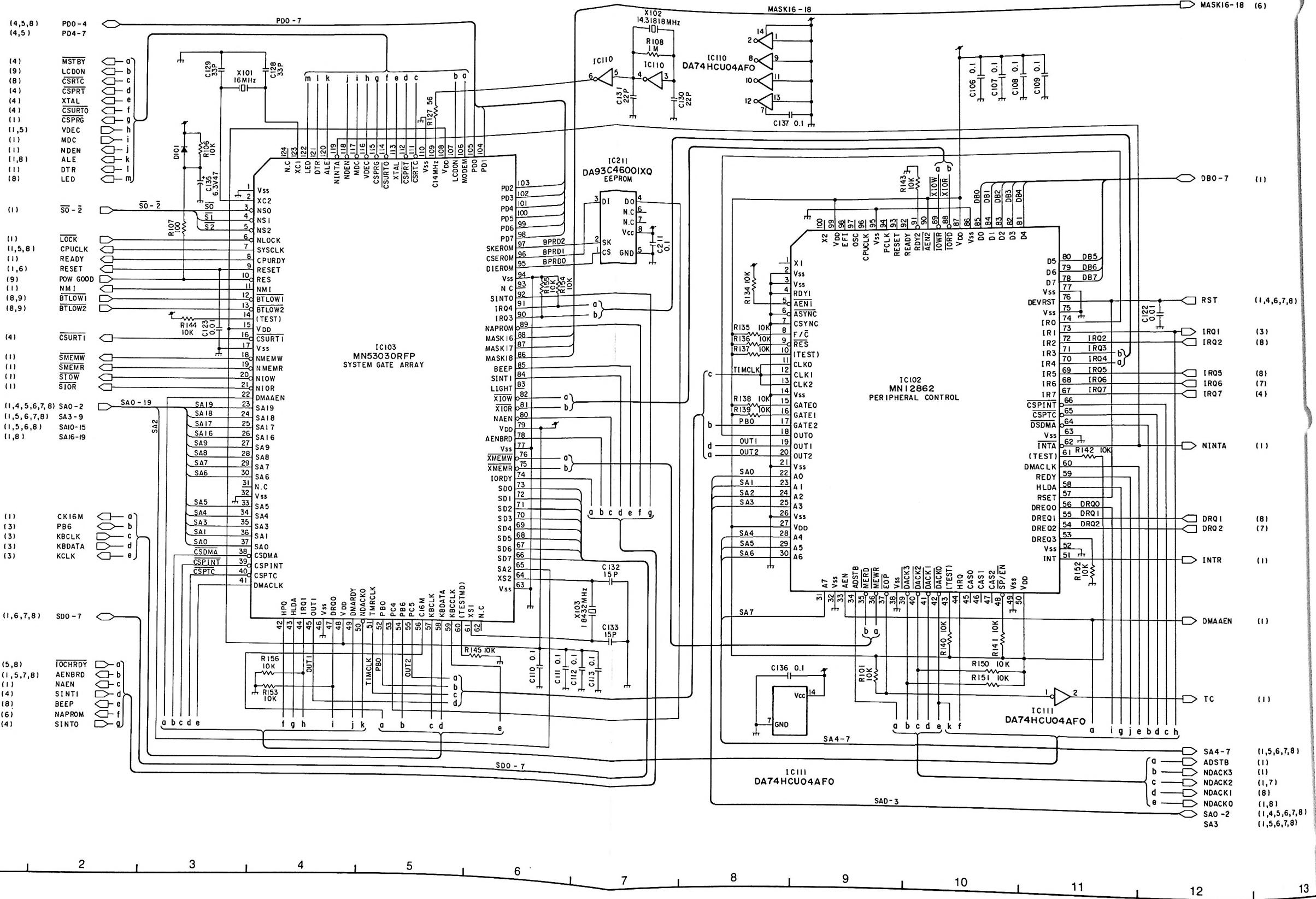
PART VII. CIRCUIT DIAGRAMS

Main PCB Circuit Diagram

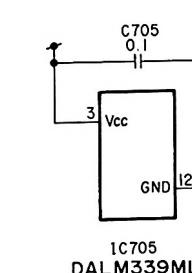
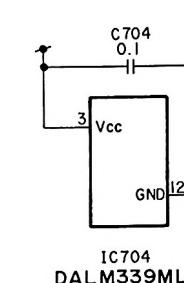
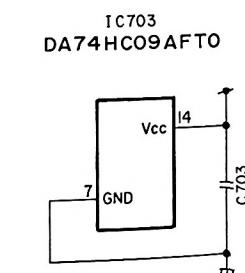
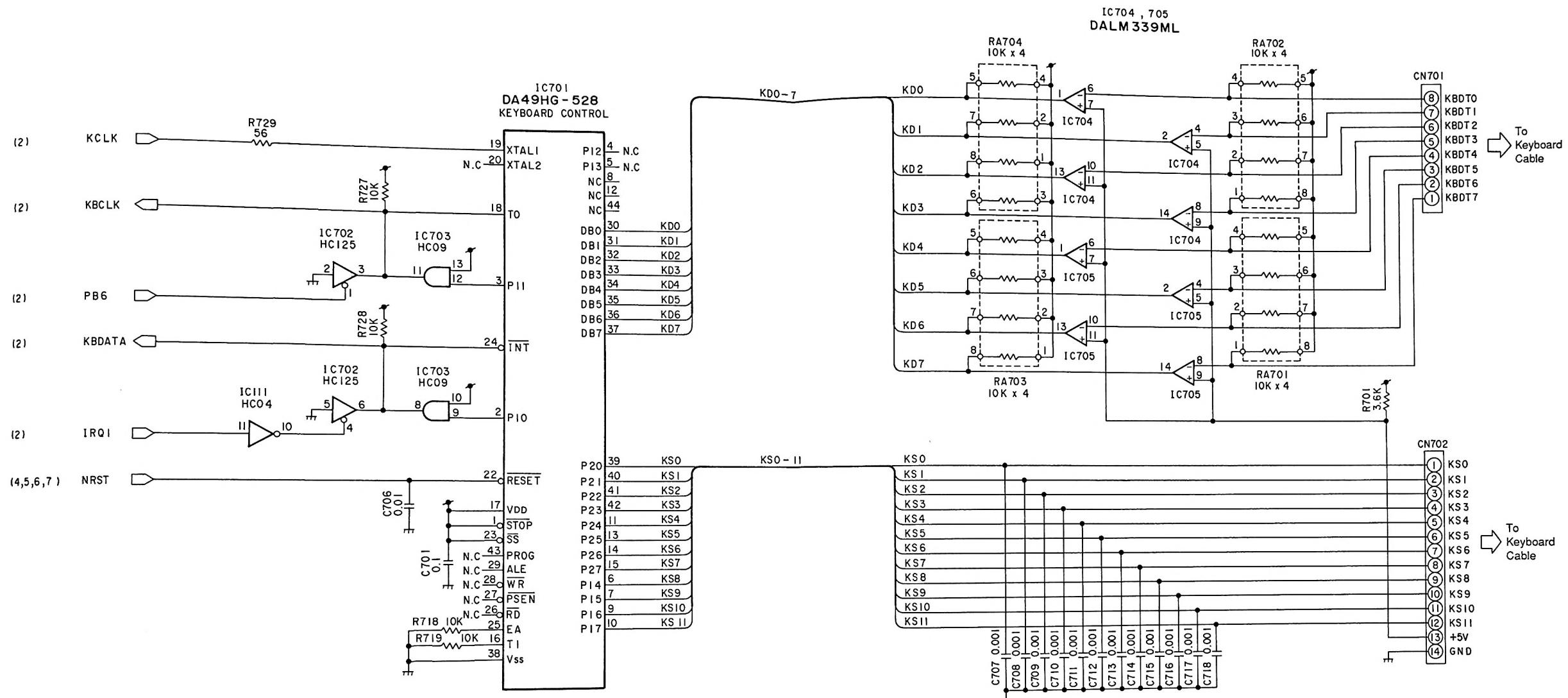
CPU and CPU Control Circuits (Sheet No. 1 of 9)



System Control, Peripheral Control and EEPROM Circuits (Sheet No. 2 of 9)

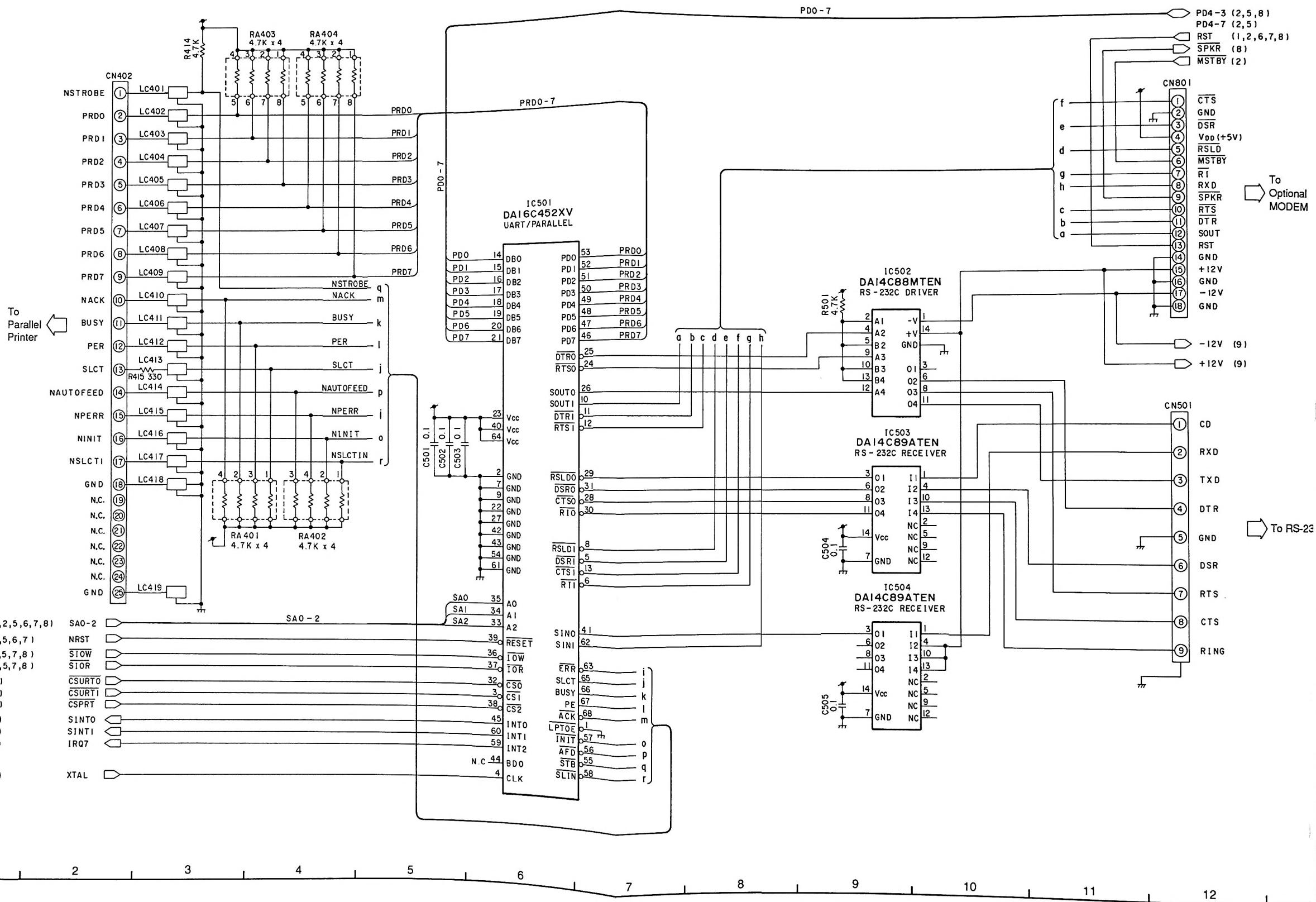


Keyboard Control Circuit (Sheet No. 3 of 9)

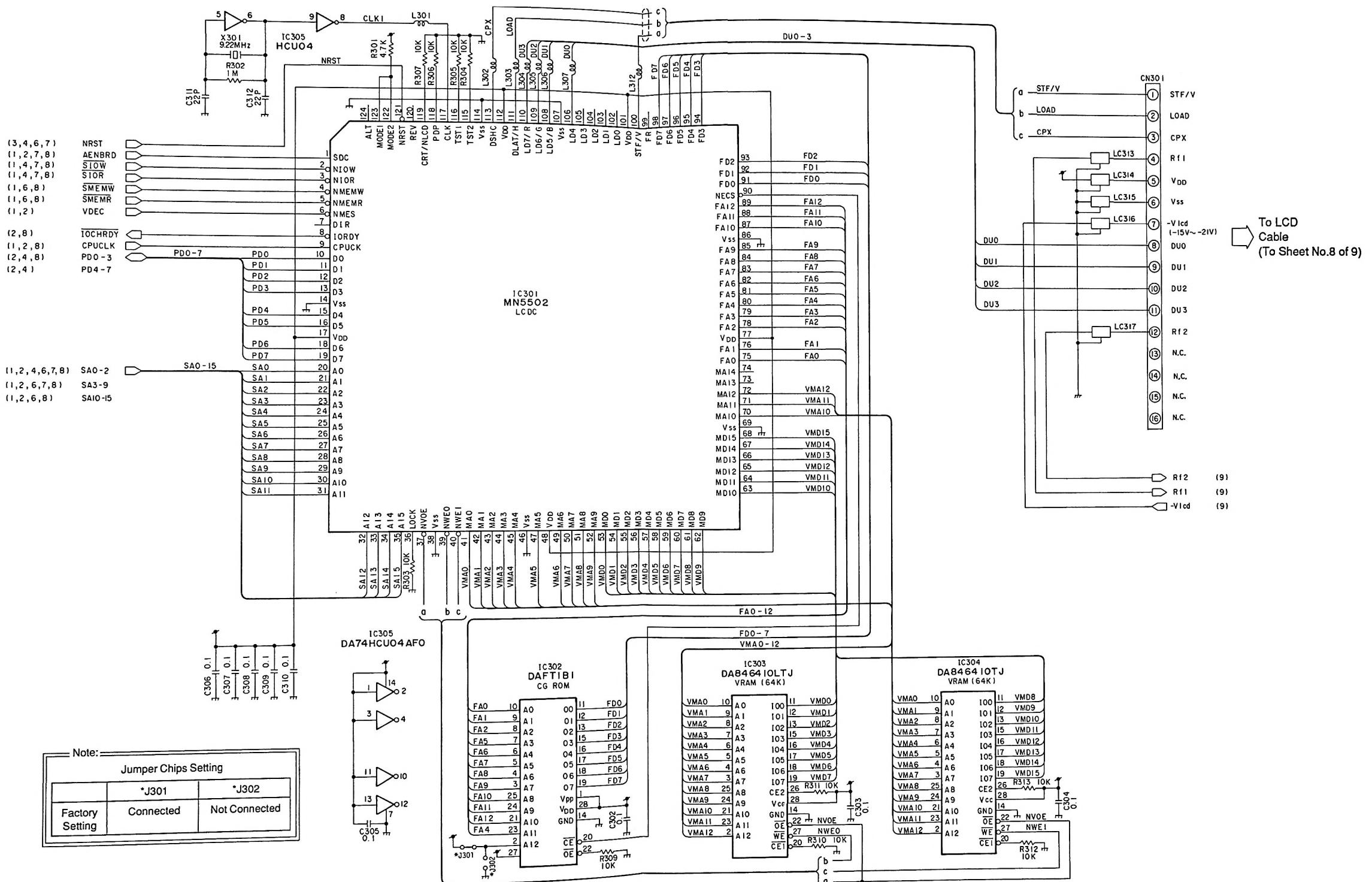


UART/Parallel, Parallel Port, Serial Port and MODEM Connector Circuits (Schematic Diagrams)

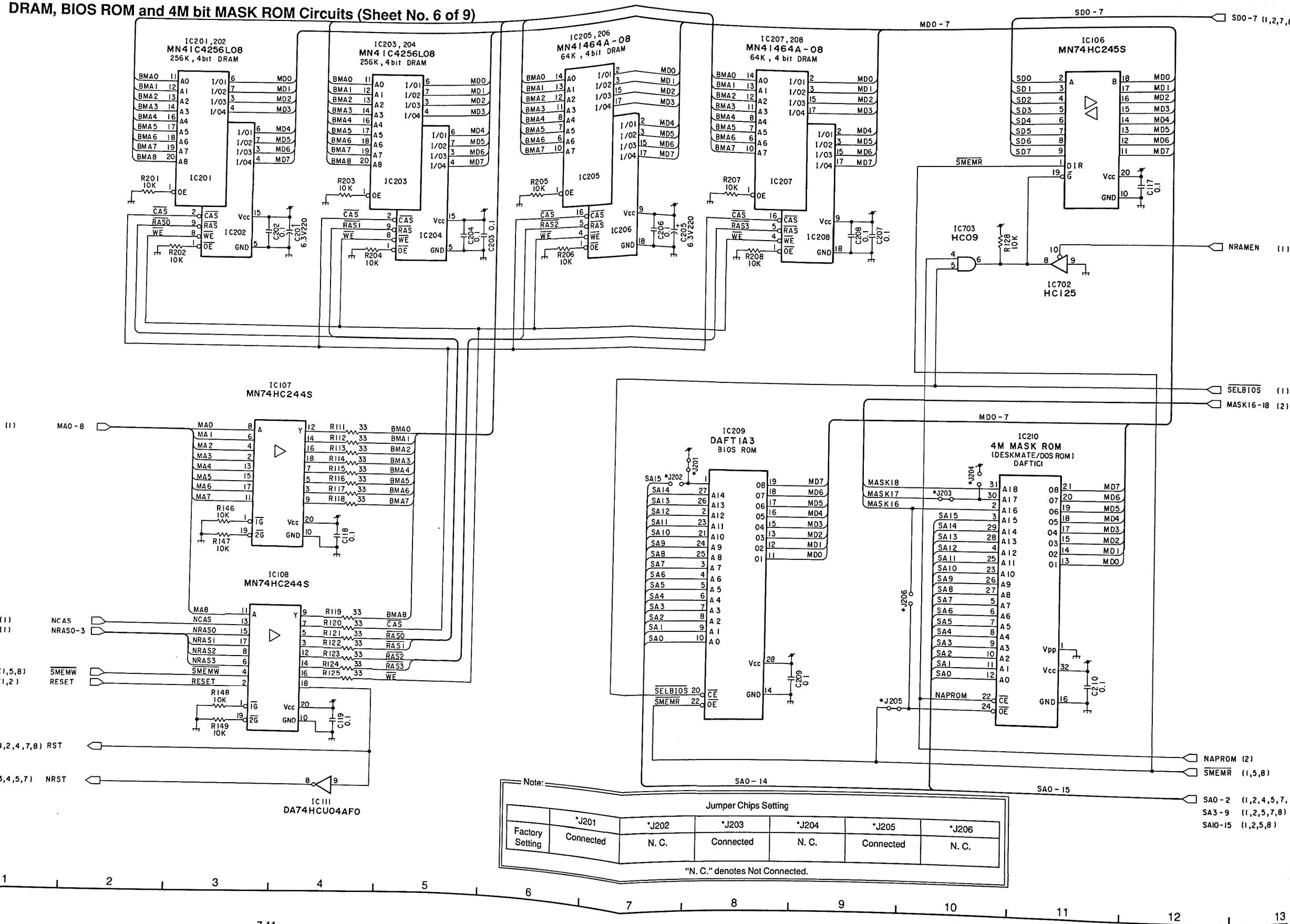
(Sheet No. 4 of 9)

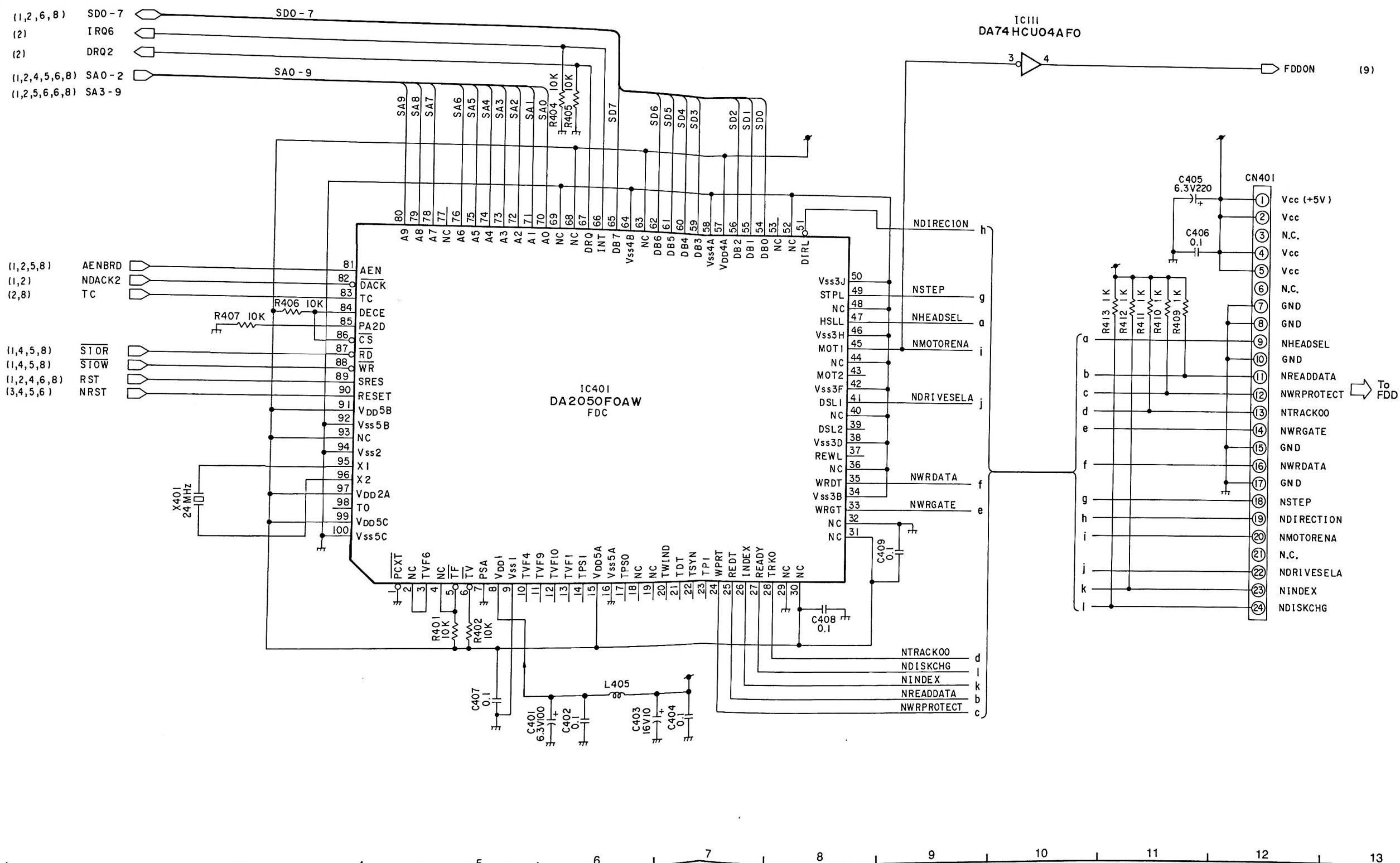


LCD, CG ROM and VRAM Circuits (Sheet No. 5 of 9)

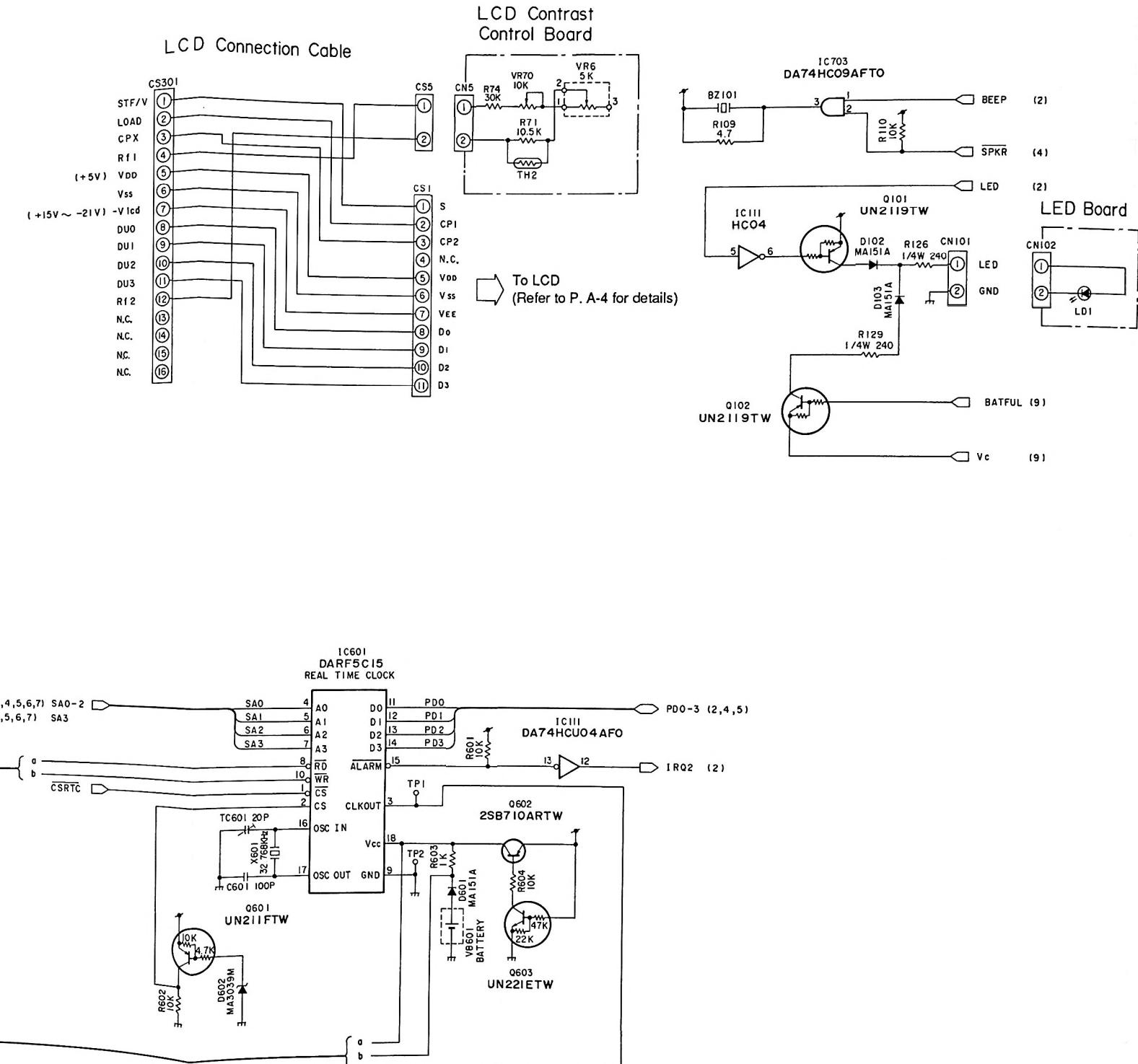
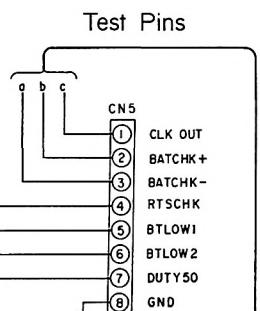
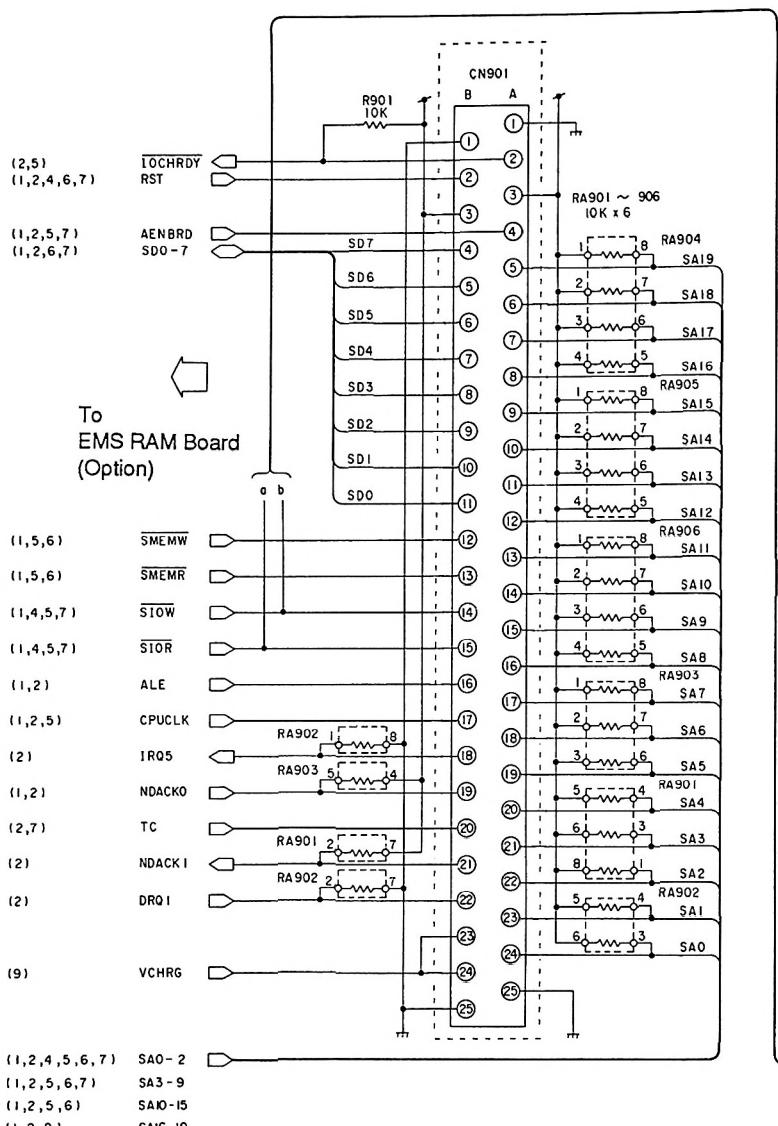


DRAM, BIOS ROM and 4M bit MASK ROM Circuits (Sheet No. 6 of 9)

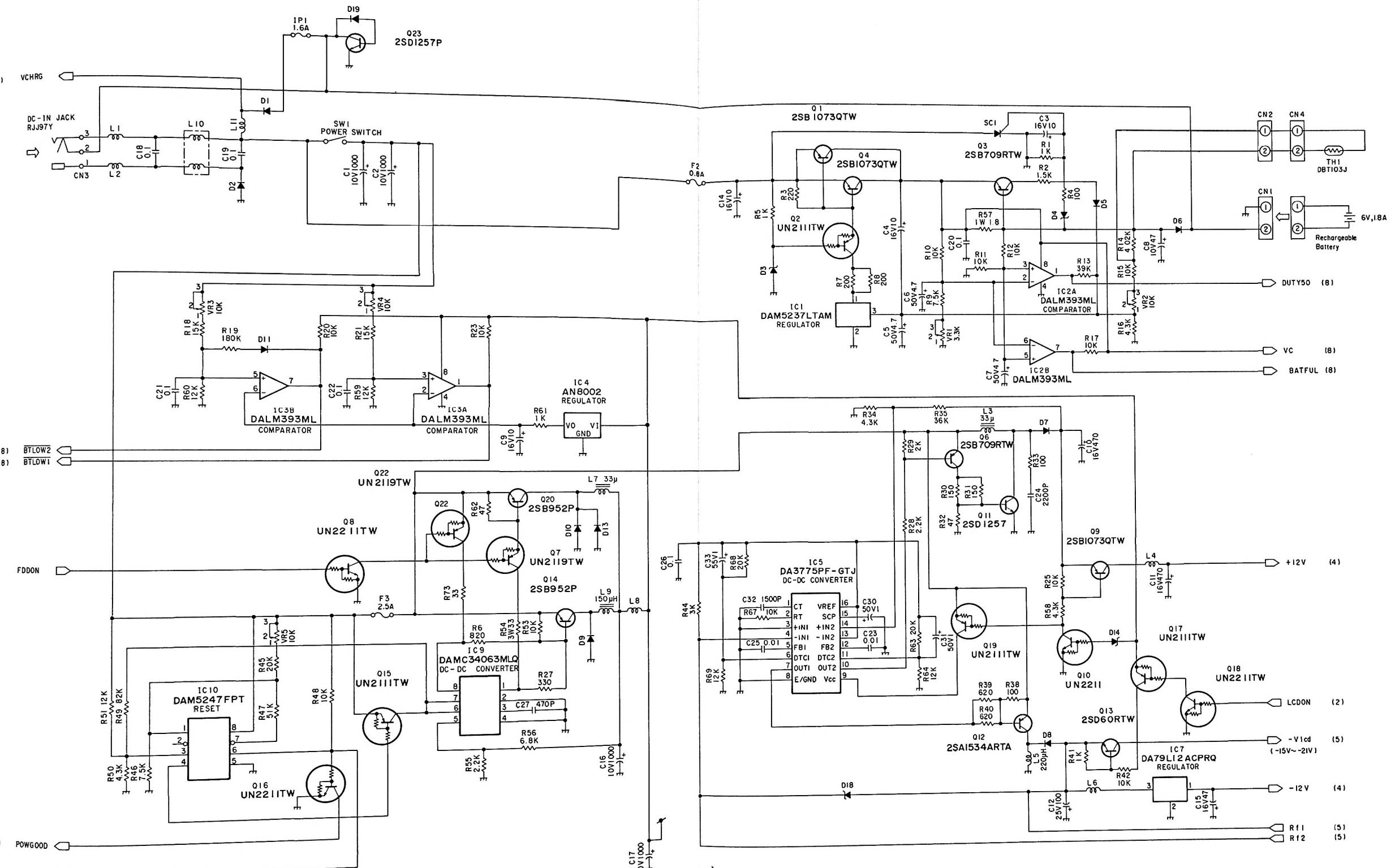




Real Time Clock, Beeper, LED Board, LCD Contrast Control and Test Connector Circuits
 (Sheet No. 8 of 9)



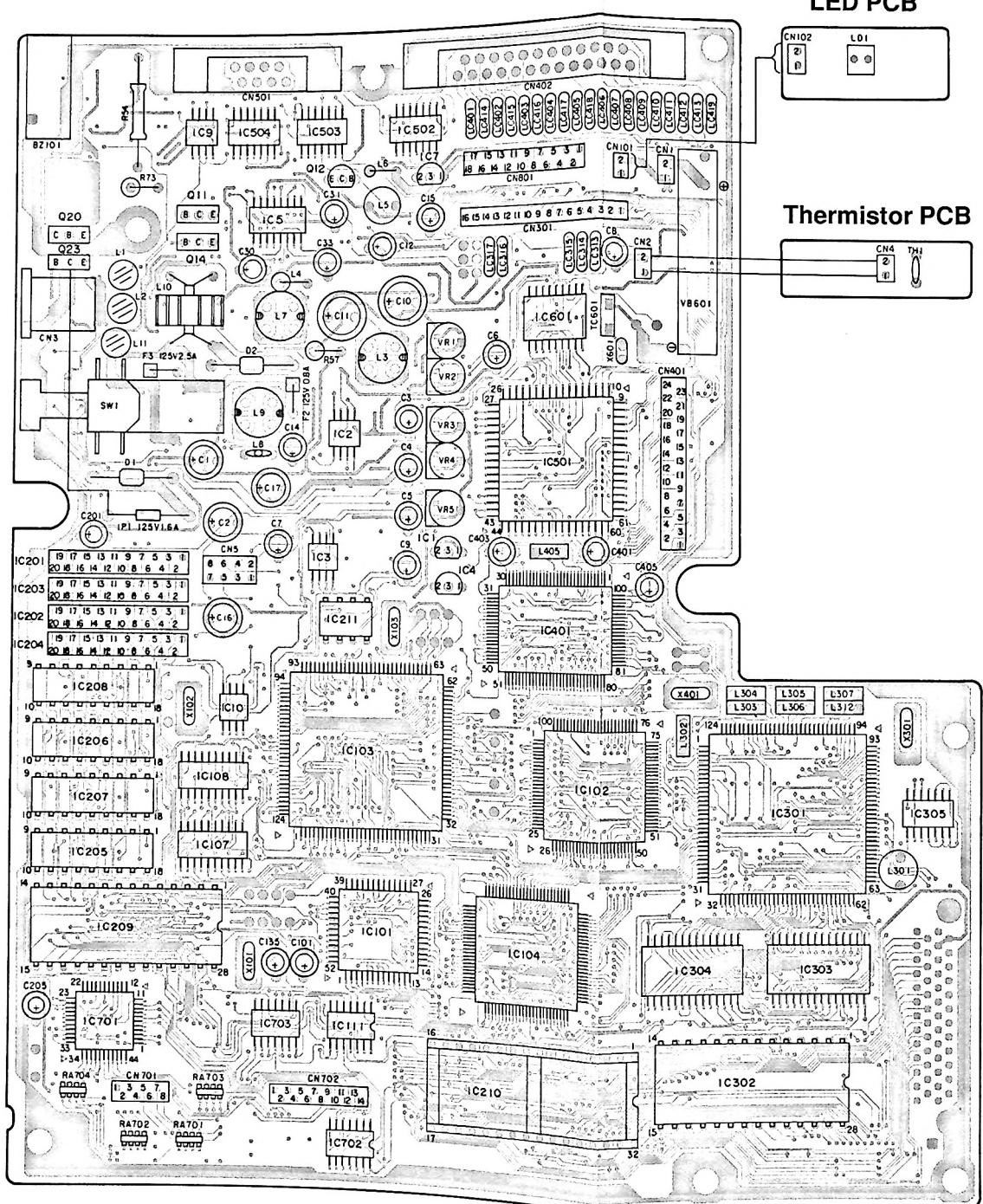
Power Supply Circuit (Sheet No. 9 of 9)



PART VIII. PCB VIEWS

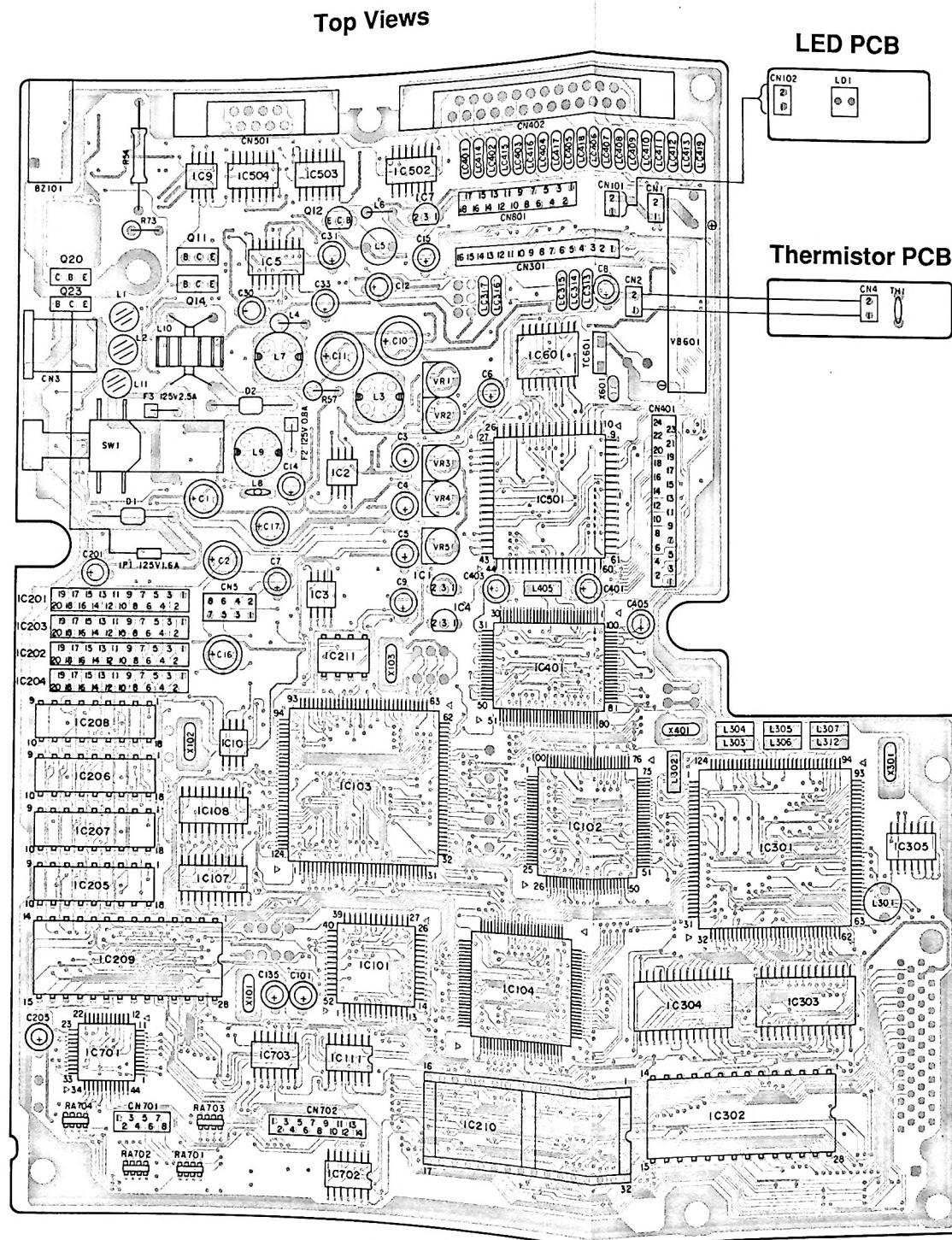
Main PCB Views

Top Views

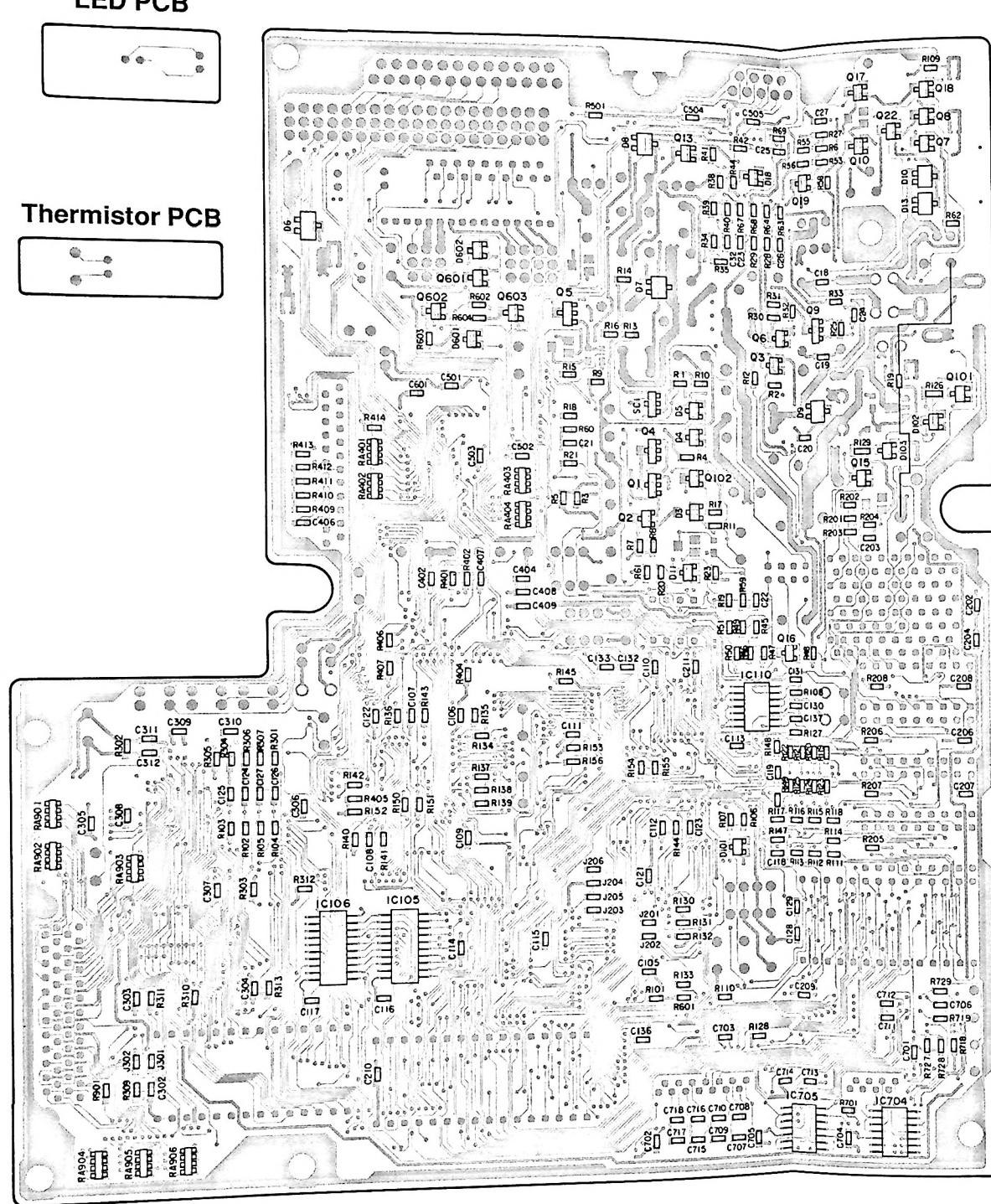


PART VIII. PCB VIEWS

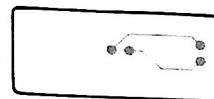
Main PCB Views



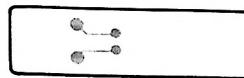
Bottom View



LED PCB

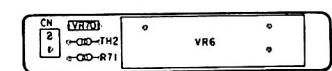


Thermistor PCB



LCD Contrast Control PCB

Top View



Bottom View



APPENDICES

Appendix A. LCD Specifications

1. Application

This specification shall be applied to Reflexion Type Dot Matrix LCD Module—Negative Type—LM640571.

2. Composition

Display type: Reflective Negative Display

Dot structure: 640x200 Full Dot Graphic Display

Driving method: 1/200 duty Multiplex Drive

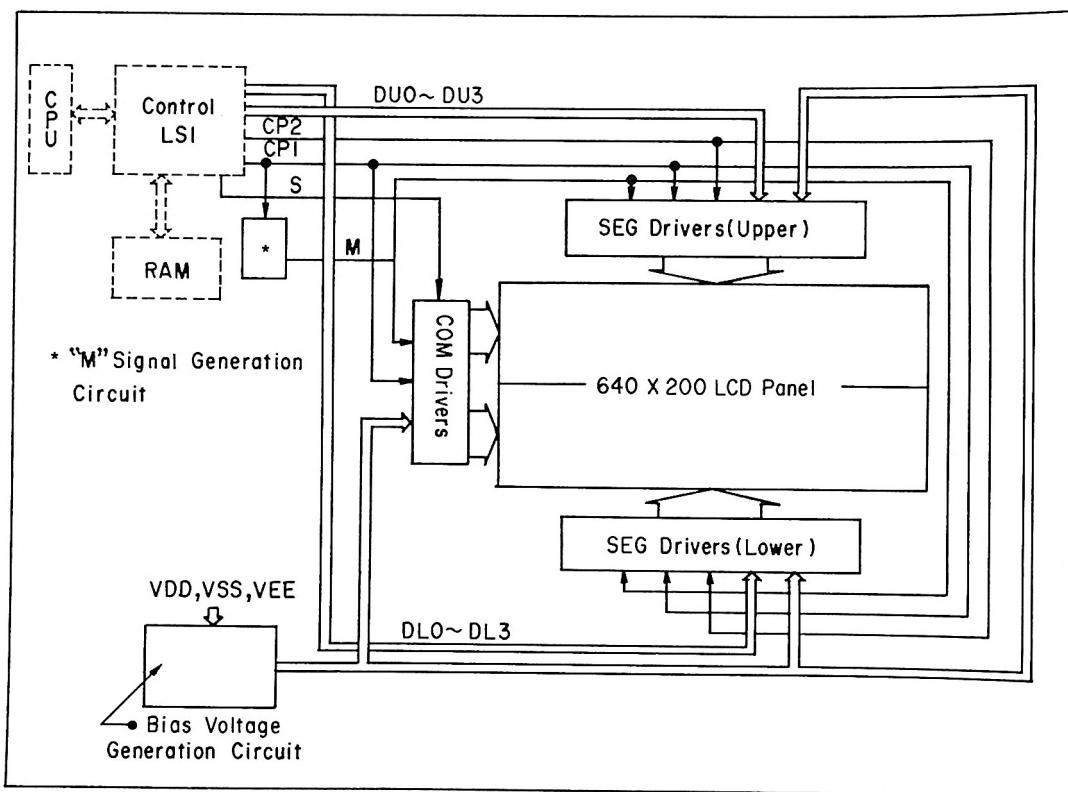


Figure A-1. Block Diagram

3. Mechanical Specifications

Item	Dimensions	Unit
Module size	9.4 (W)×5.8 (H)×0.2 (D) max. 238 (W)×147 (H)×6.0 (D) max.	inches mm
Effective Viewing Area	7.8 (W)×4.8 (H) 197 (W)×121 (H)	inches mm
Weight	Approx. 0.42 Approx. 190	lbs grams

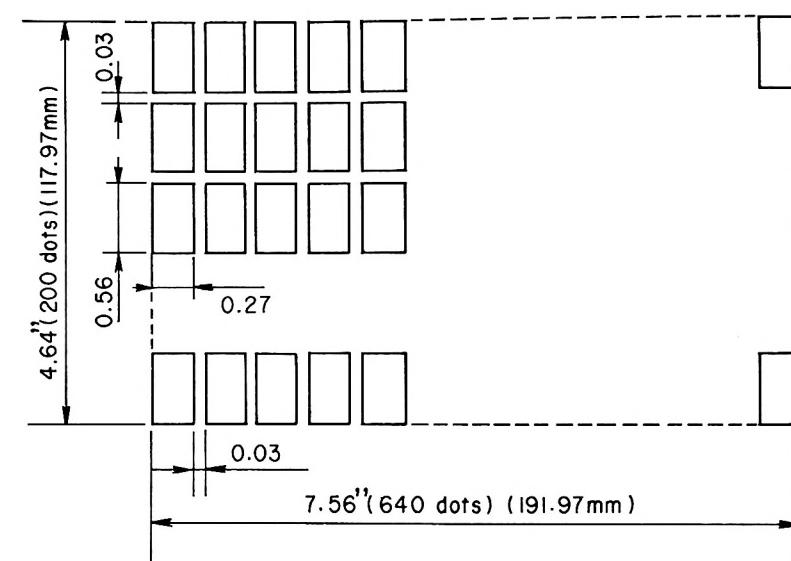
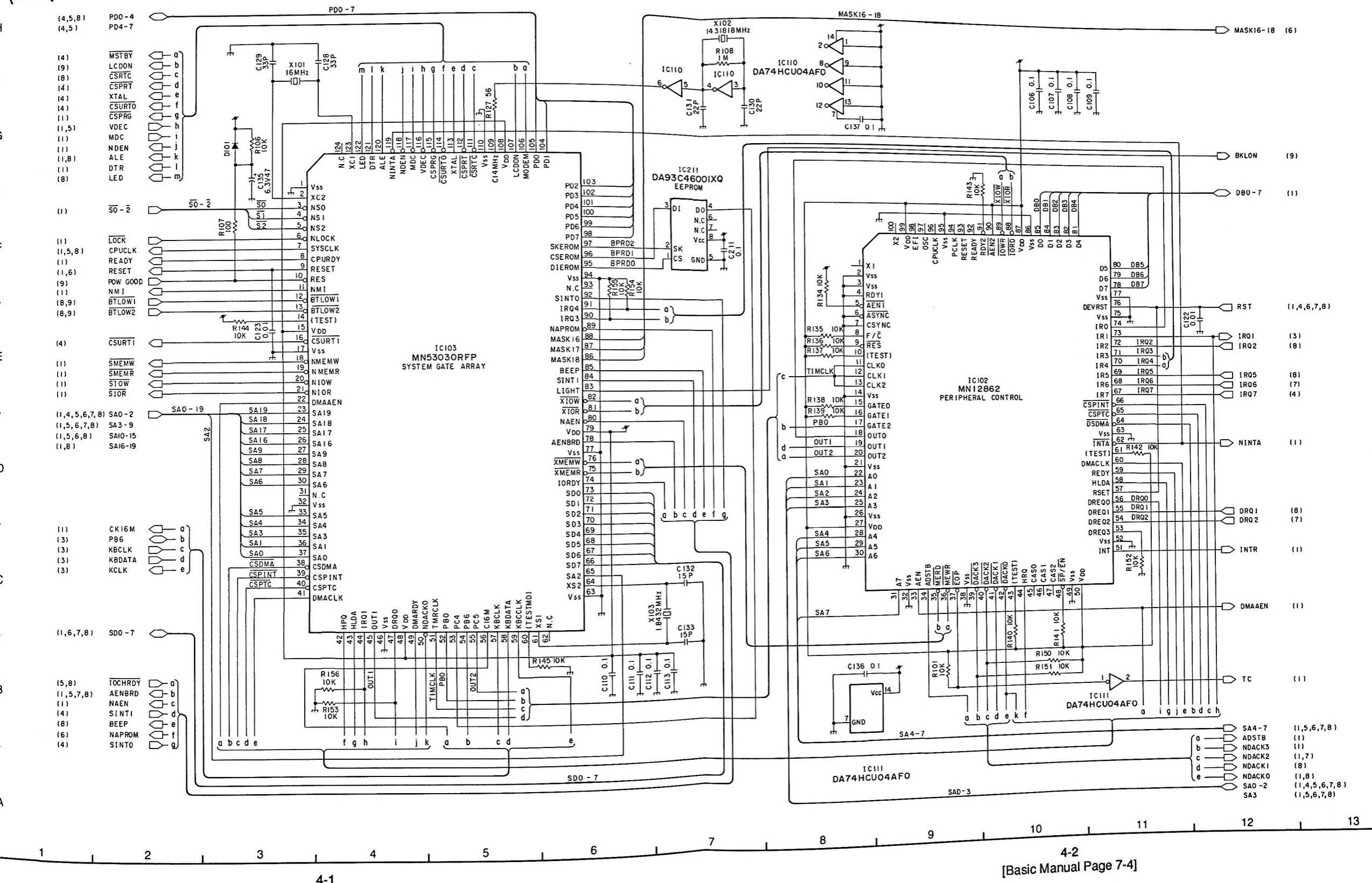


Figure A-2. Dot Dimensional Drawing

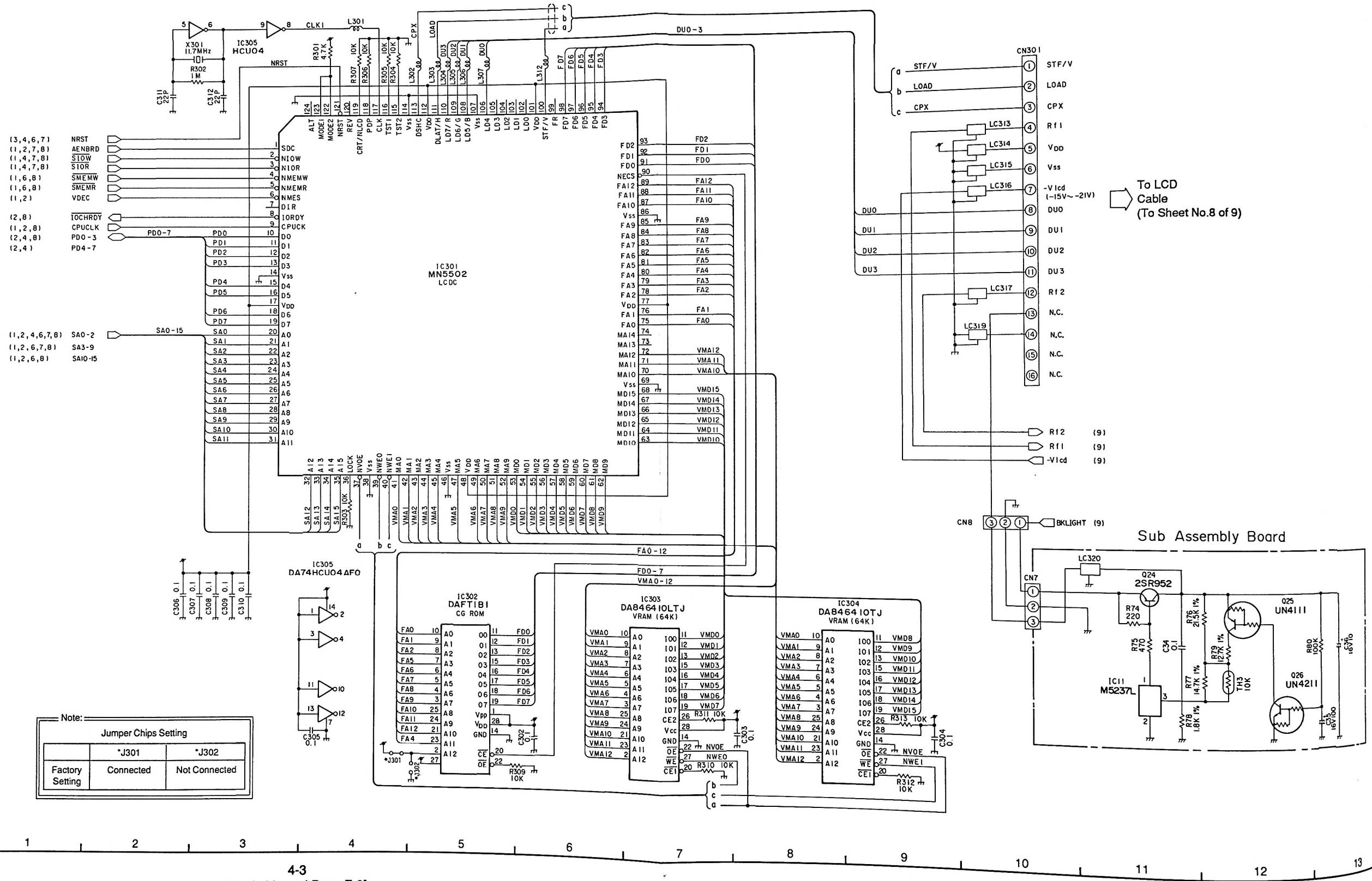
PART VII. CIRCUIT DIAGRAMS

Main PCB Circuit Diagram

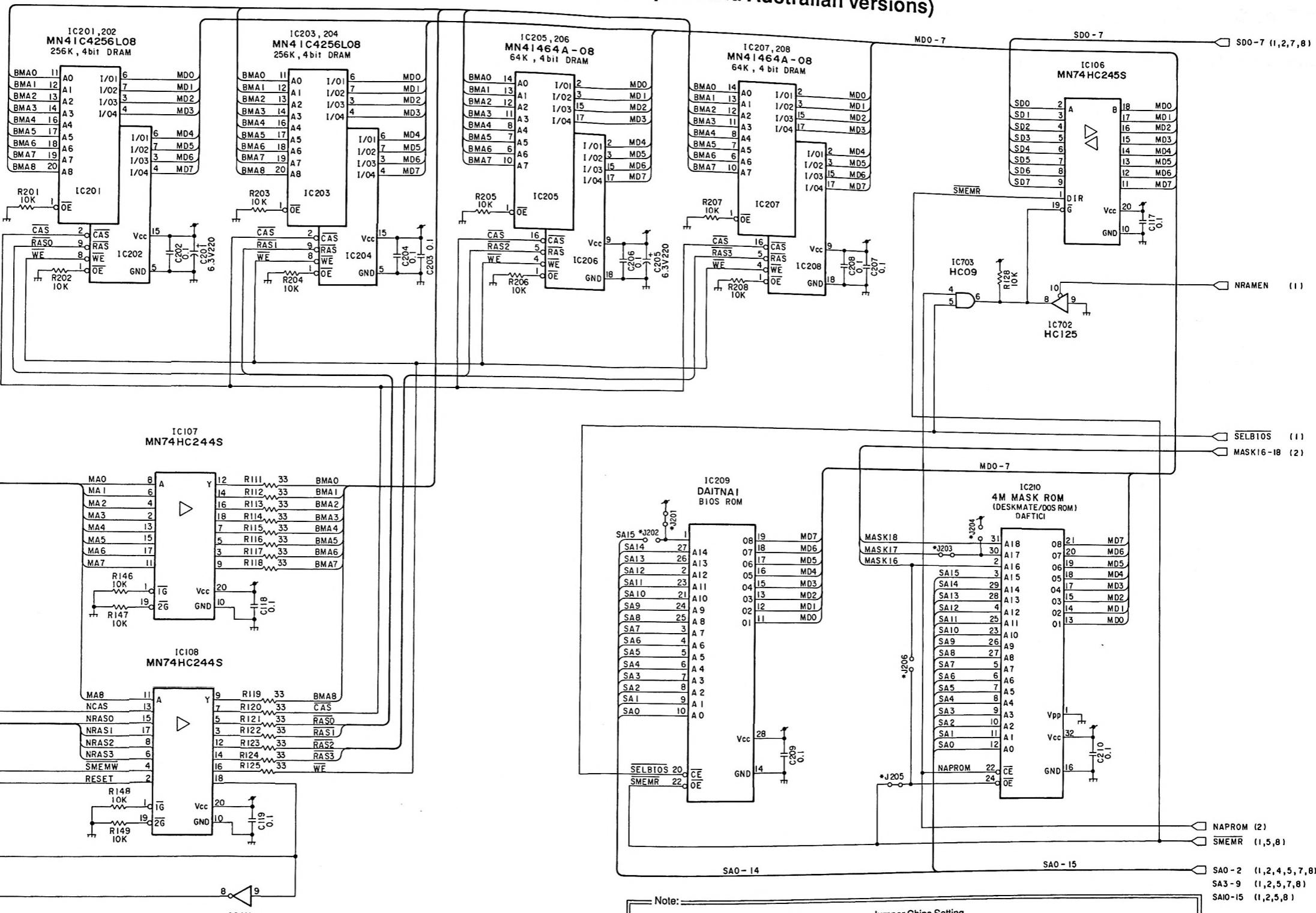
System Control, Peripheral Control and EEPROM Circuits (Sheet No. 2 of 9) (European versions)



LCDC, CG ROM and VRAM Circuits (Sheet No. 5 of 9)
(European versions)



DRAM, BIOS ROM and 4M bit MASK ROM Circuits (Sheet No. 6 of 9) (Canadian, European and Australian versions)



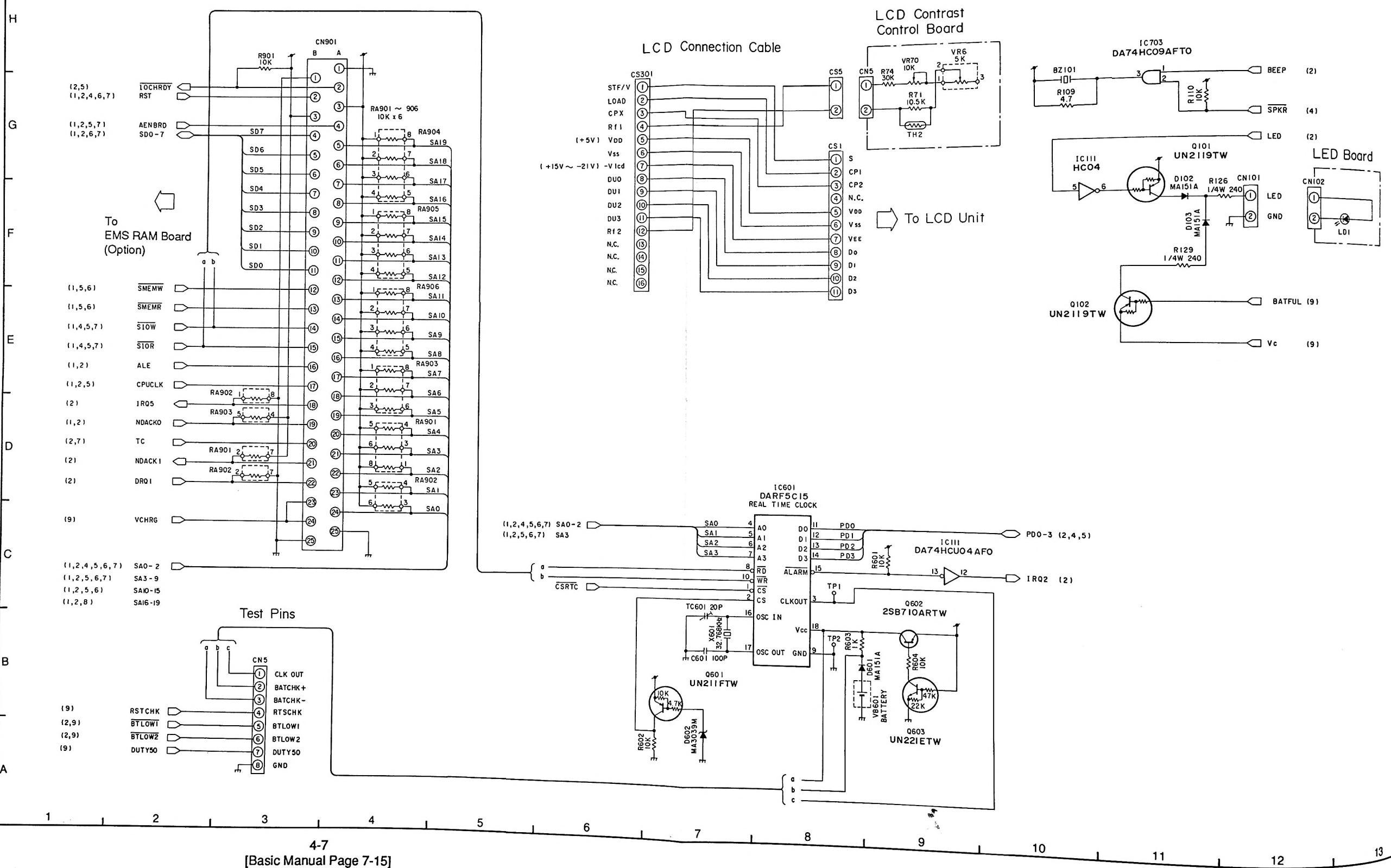
Note: Jumper Chips Setting

	*J201	*J202	*J203	*J204	*J205	*J206
Factory Setting	Connected	N.C.	Connected	N.C.	Connected	N.C.

"N. C." denotes Not Connected.

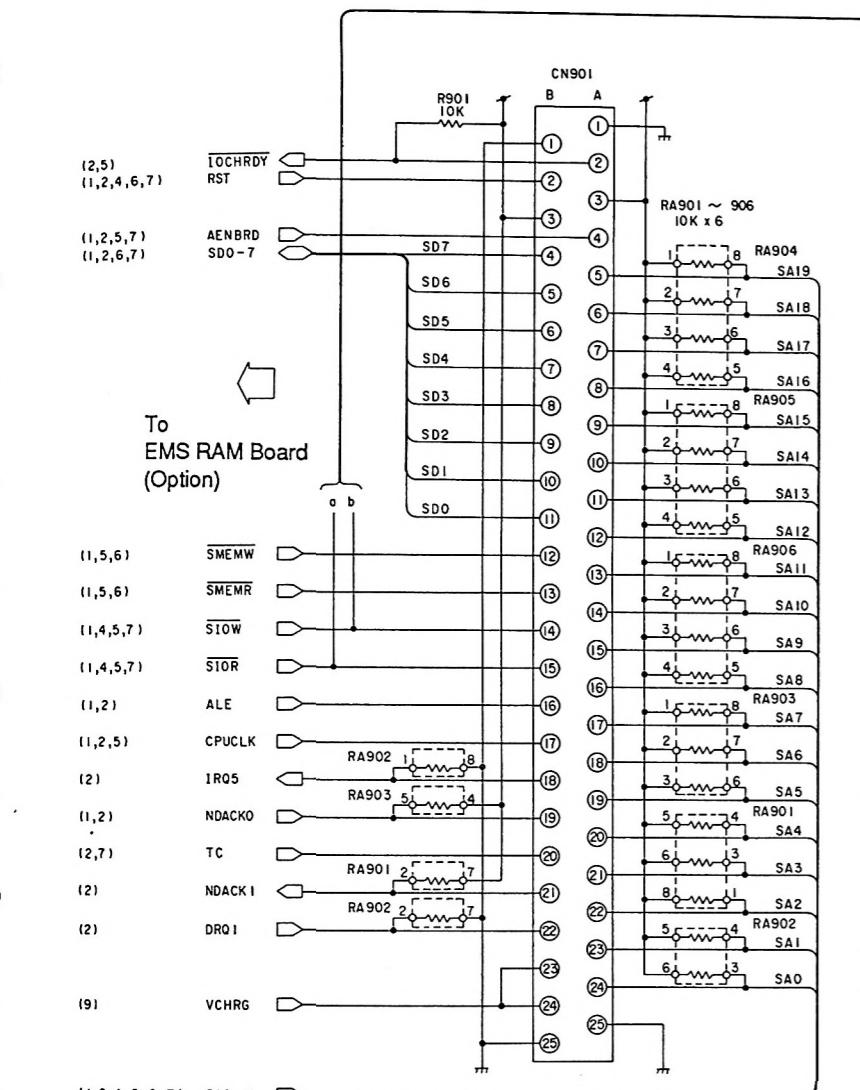
SA0-2 (1,2,4,5,7,8)
SA3-9 (1,2,5,7,8)
SA10-15 (1,2,5,8)

Real Time Clock, Beeper, LED Board, LCD Contrast Control and Test Connector Circuits
(Sheet No. 8 of 9) (Canadian and Australian versions)

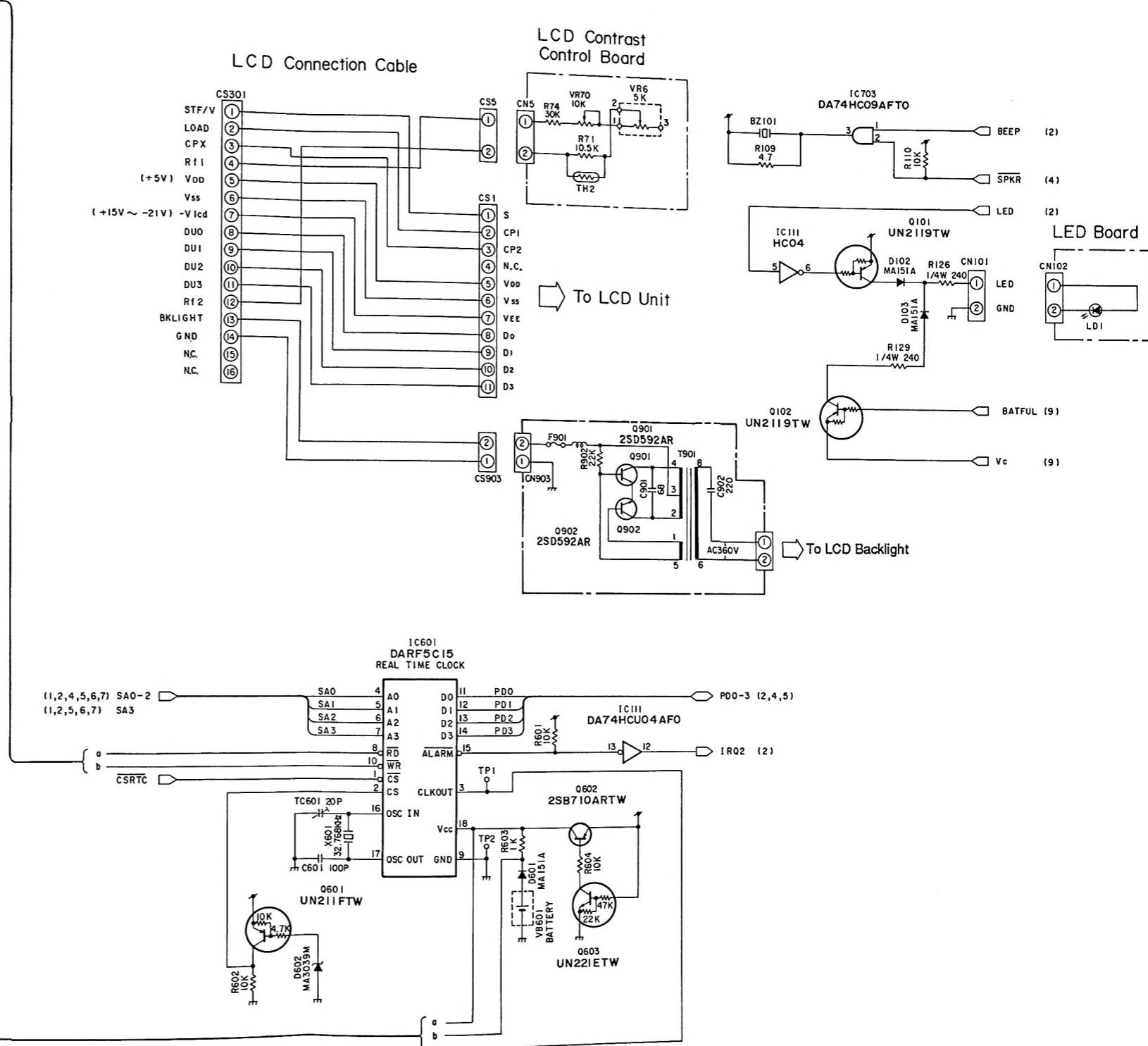
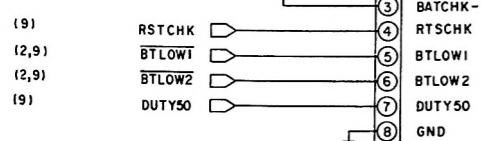


Real Time Clock, Beeper, LED Board, LCD Contrast Control and Test Connector Circuits

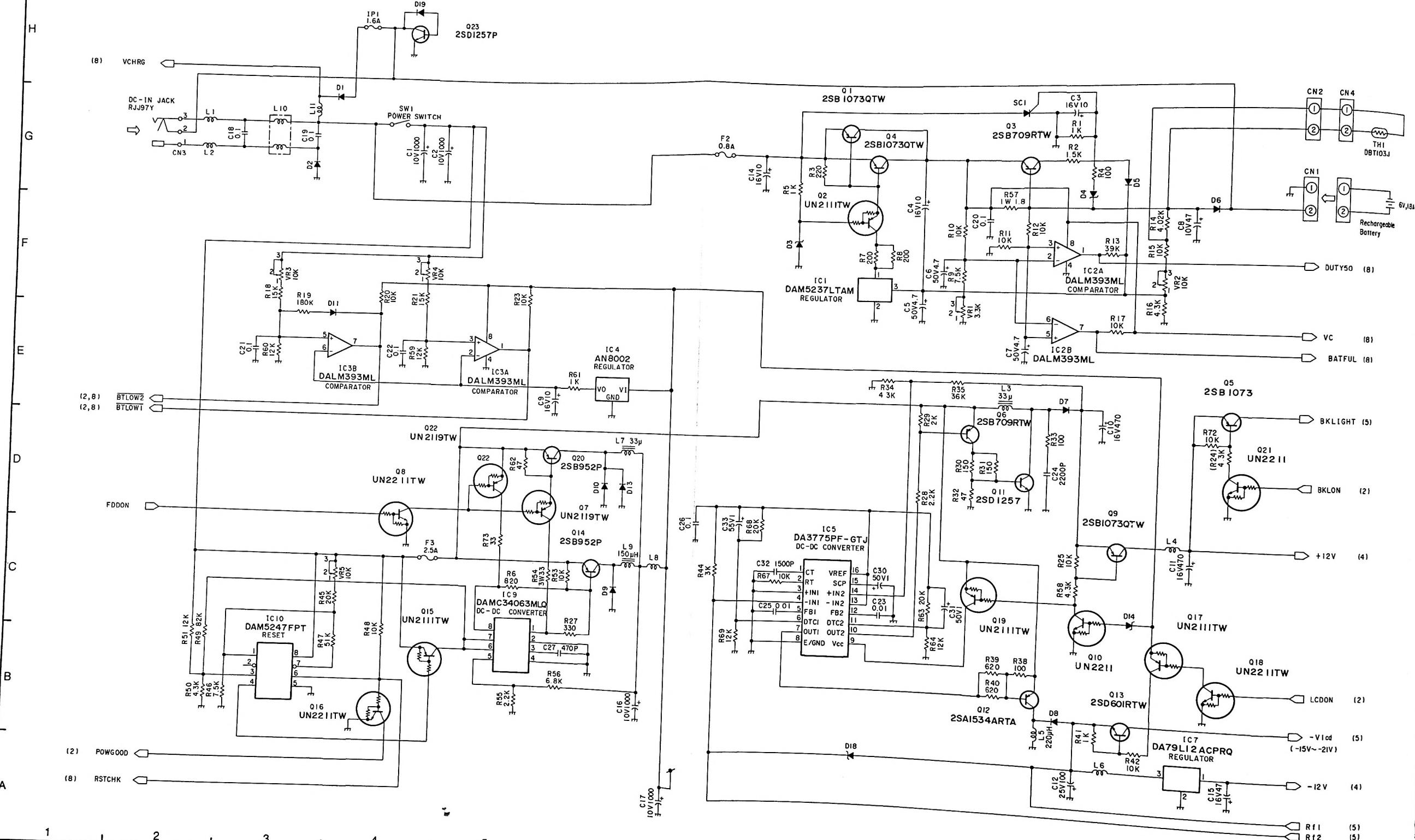
(Sheet No. 8 of 9) (European versions)



Test Pins



**Power Supply Circuit (Sheet No. 9 of 9)
(European versions)**



4-11
[Basic Manual Page 7-17]

4-12
[Basic Manual Page 7-18]

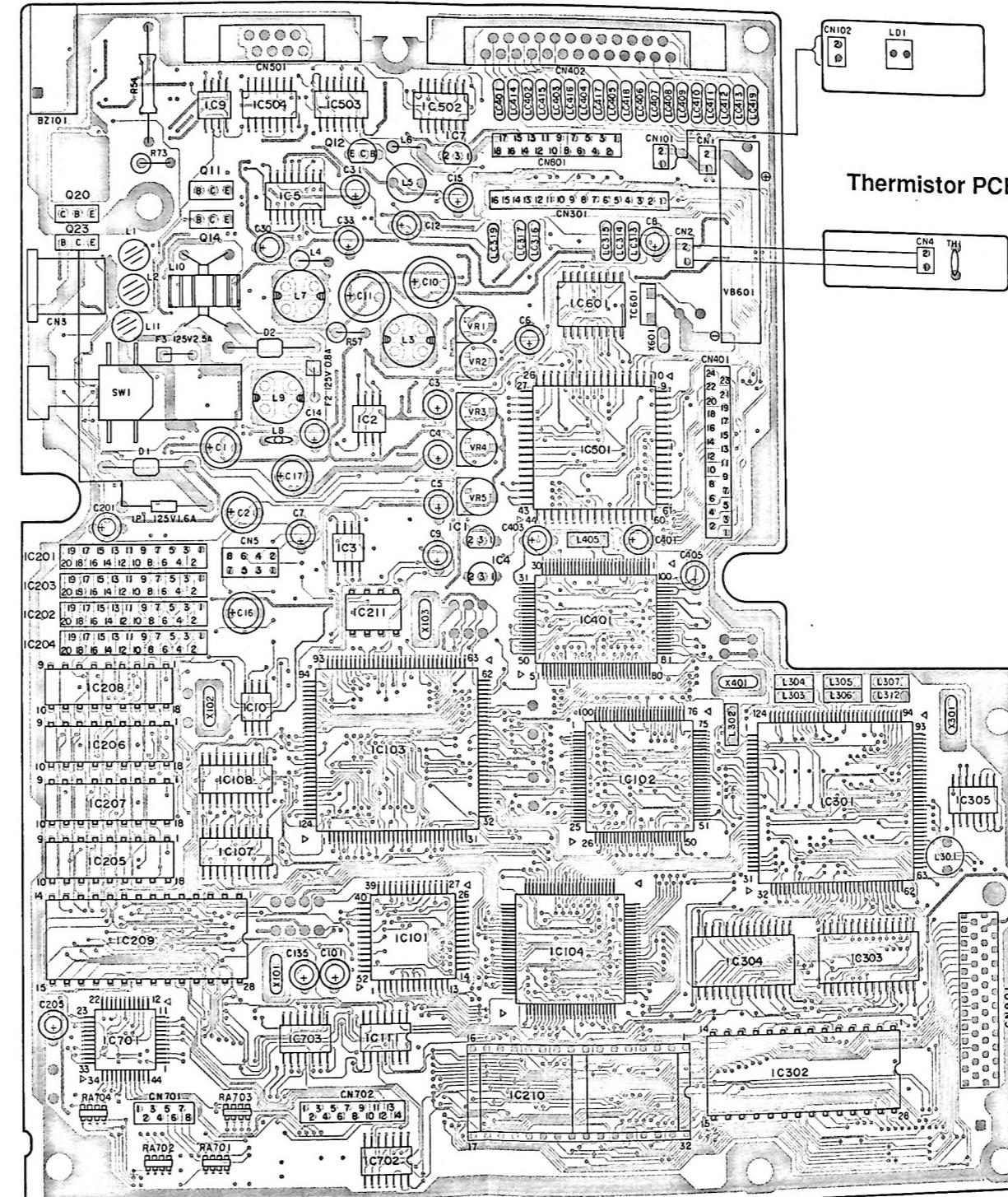
PART VIII. PCB VIEWS

Main PCB Views (Canadian and Australian versions)

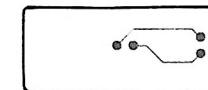
Top Views

LED PCB

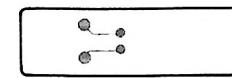
Thermistor PCB



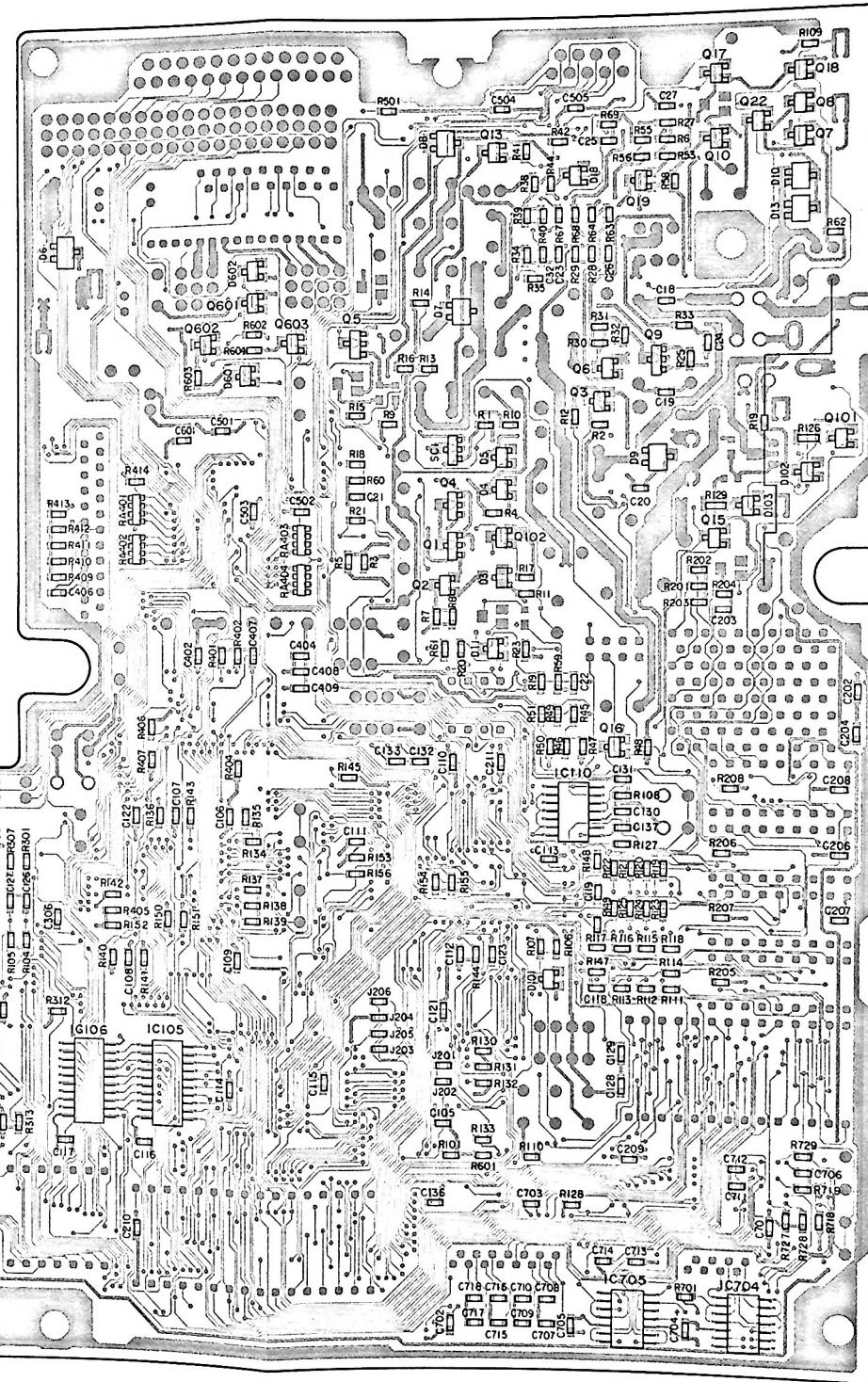
LED PCB



Thermistor PCB

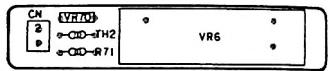


Bottom View

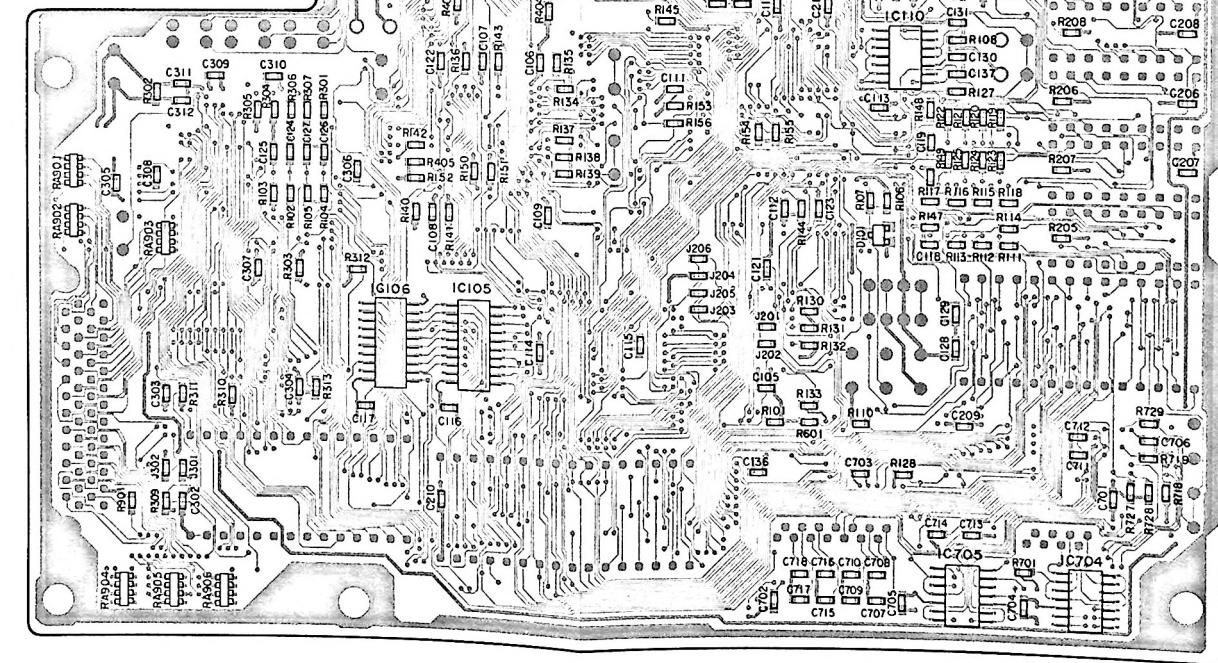
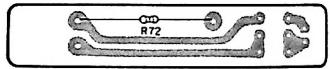


LCD Contrast Control PCB

Top View



Bottom View



1

2

3

4

5

6

7

8

9

10

11

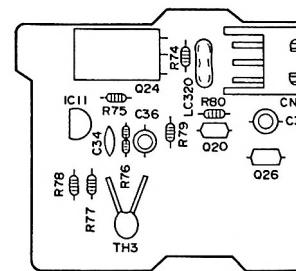
12

13

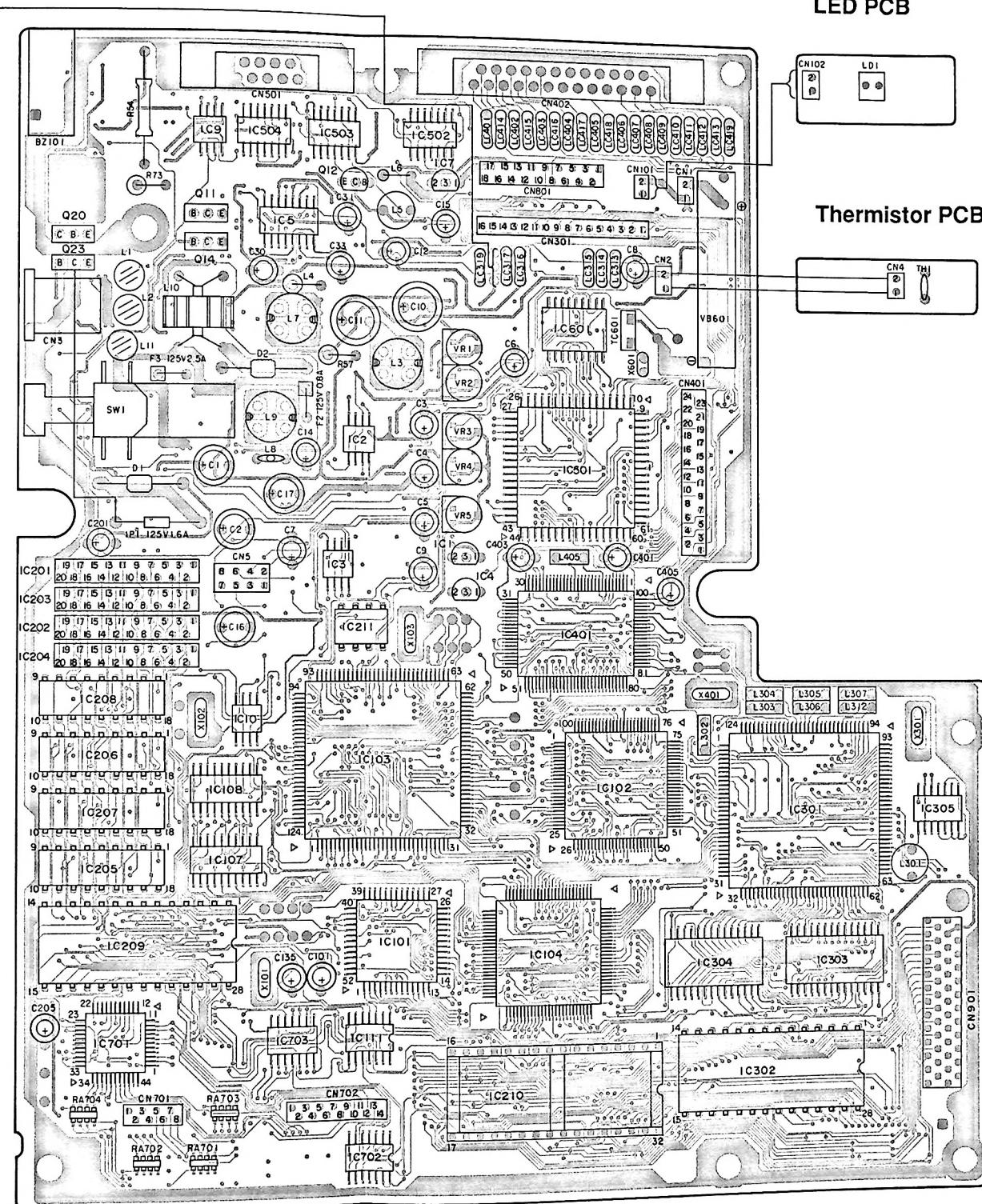
PART VIII. PCB VIEWS

Main PCB Views
(Europen version)

Sub Assembly PCB

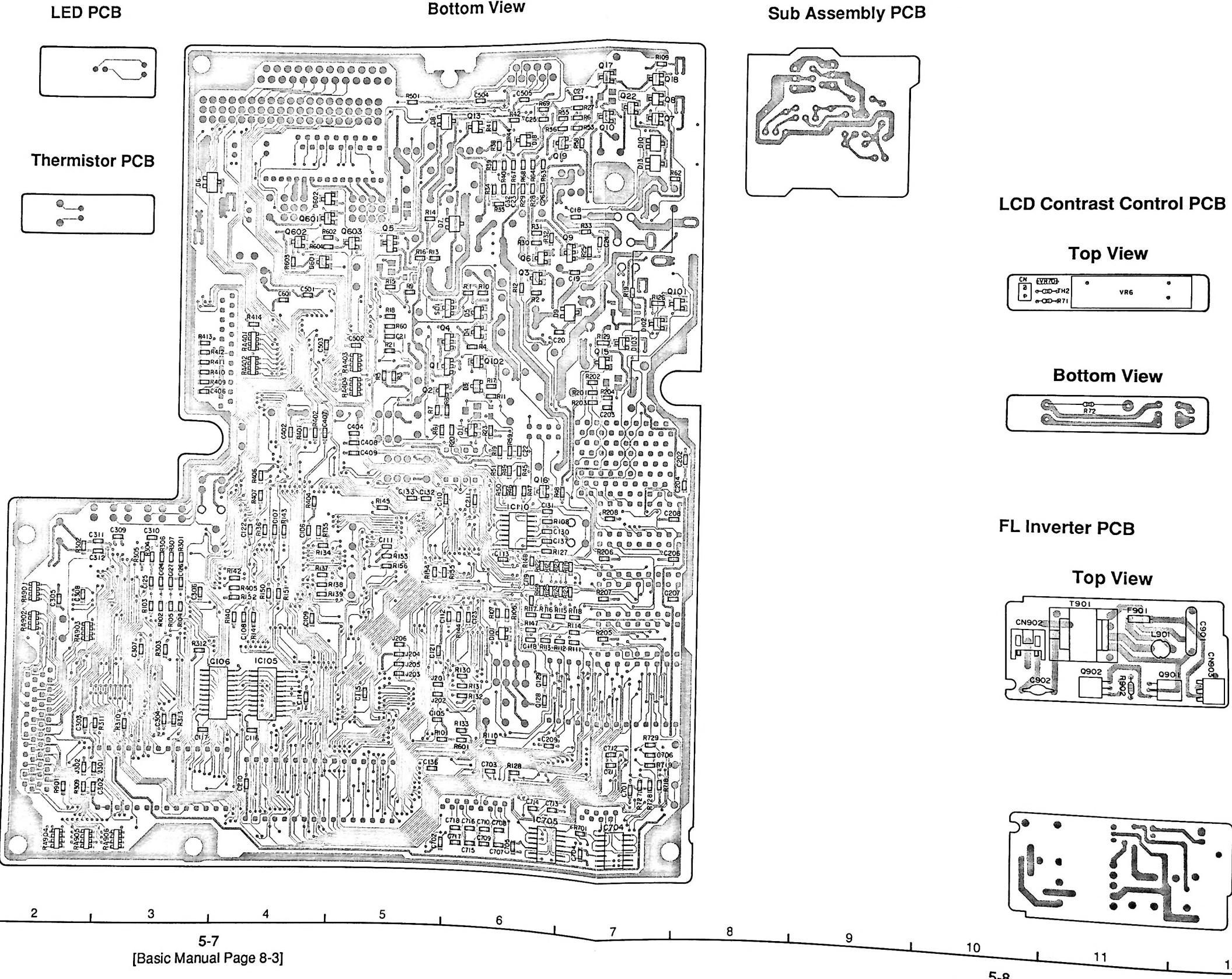


Top Views

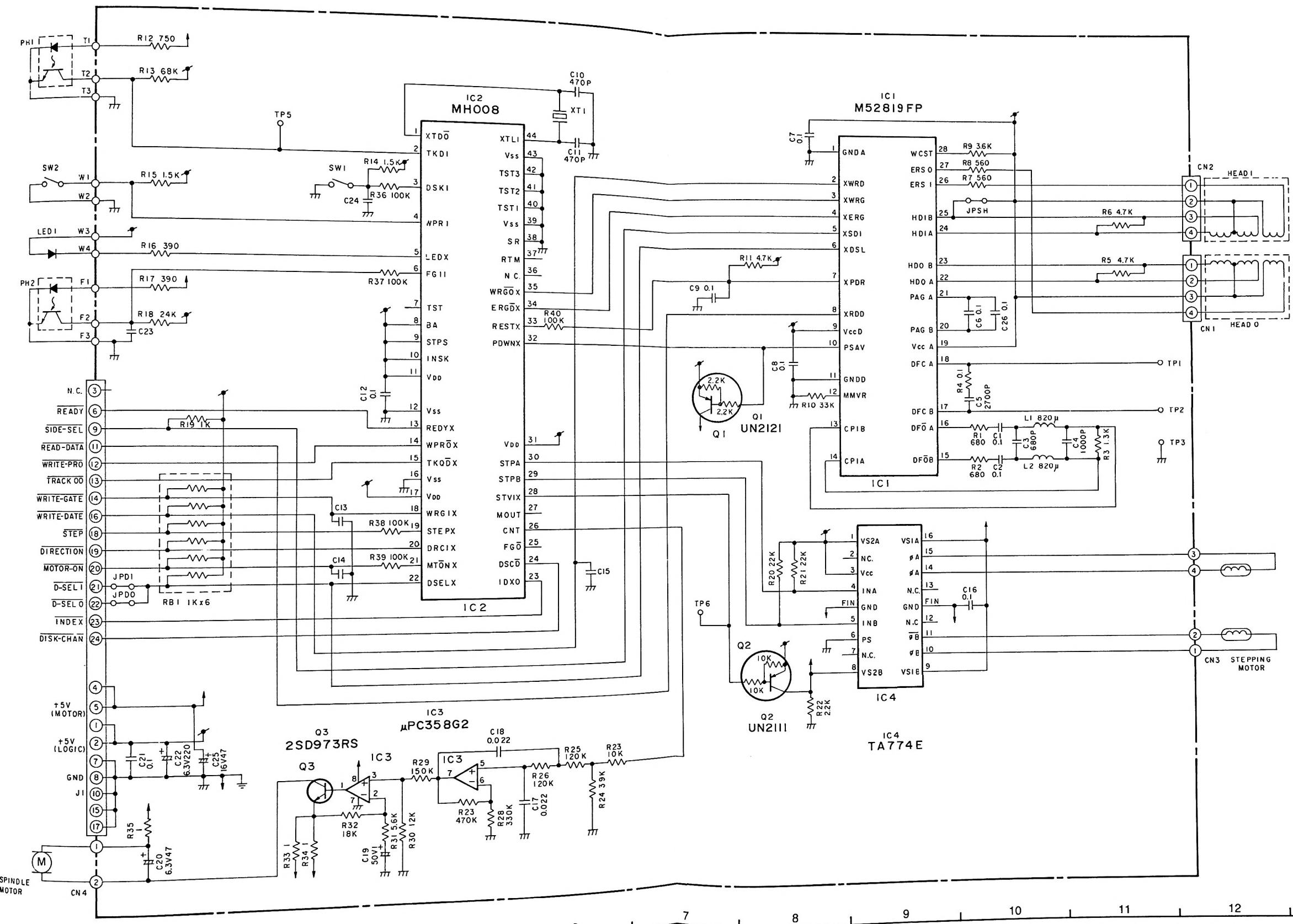


LED PCB

Thermistor PCB



FDD Circuit Diagram



FDD PCB Views

