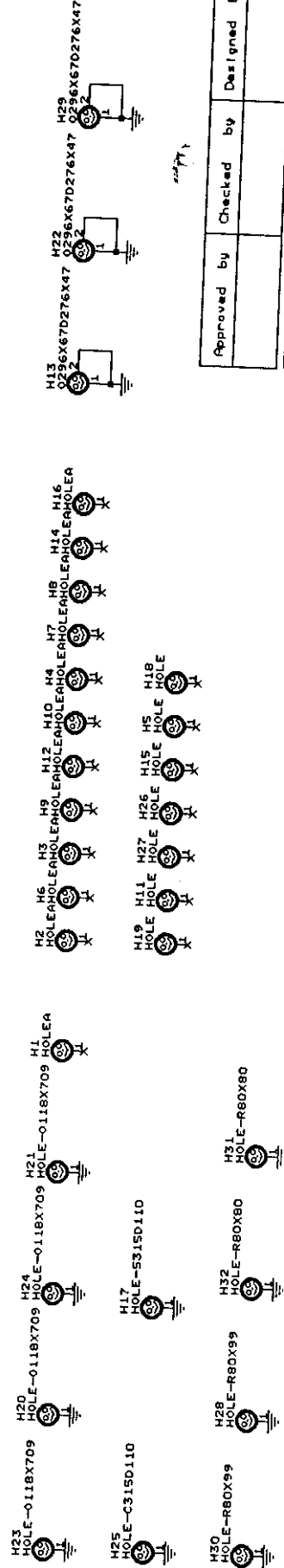


PROJECT MIRAGE-2000

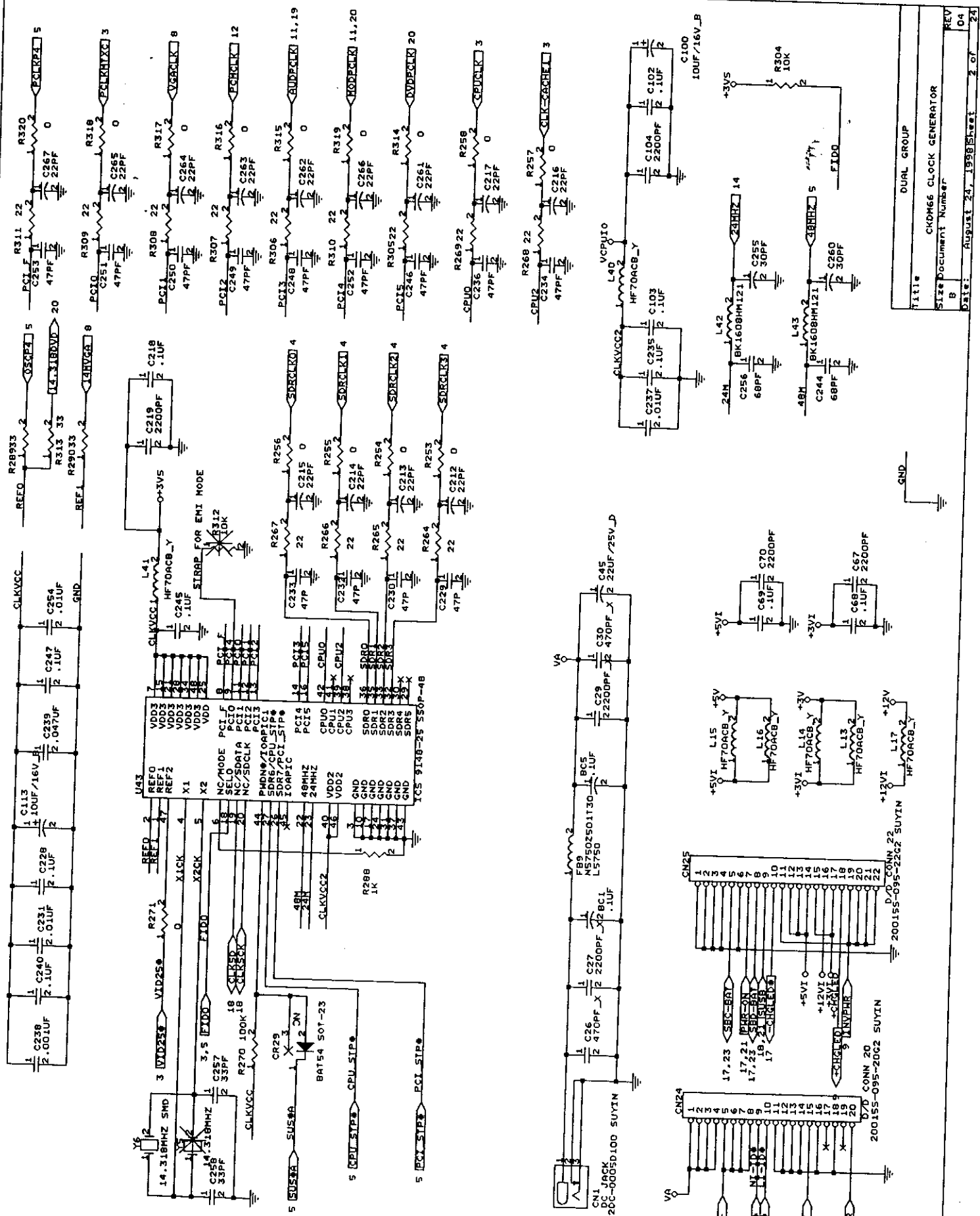
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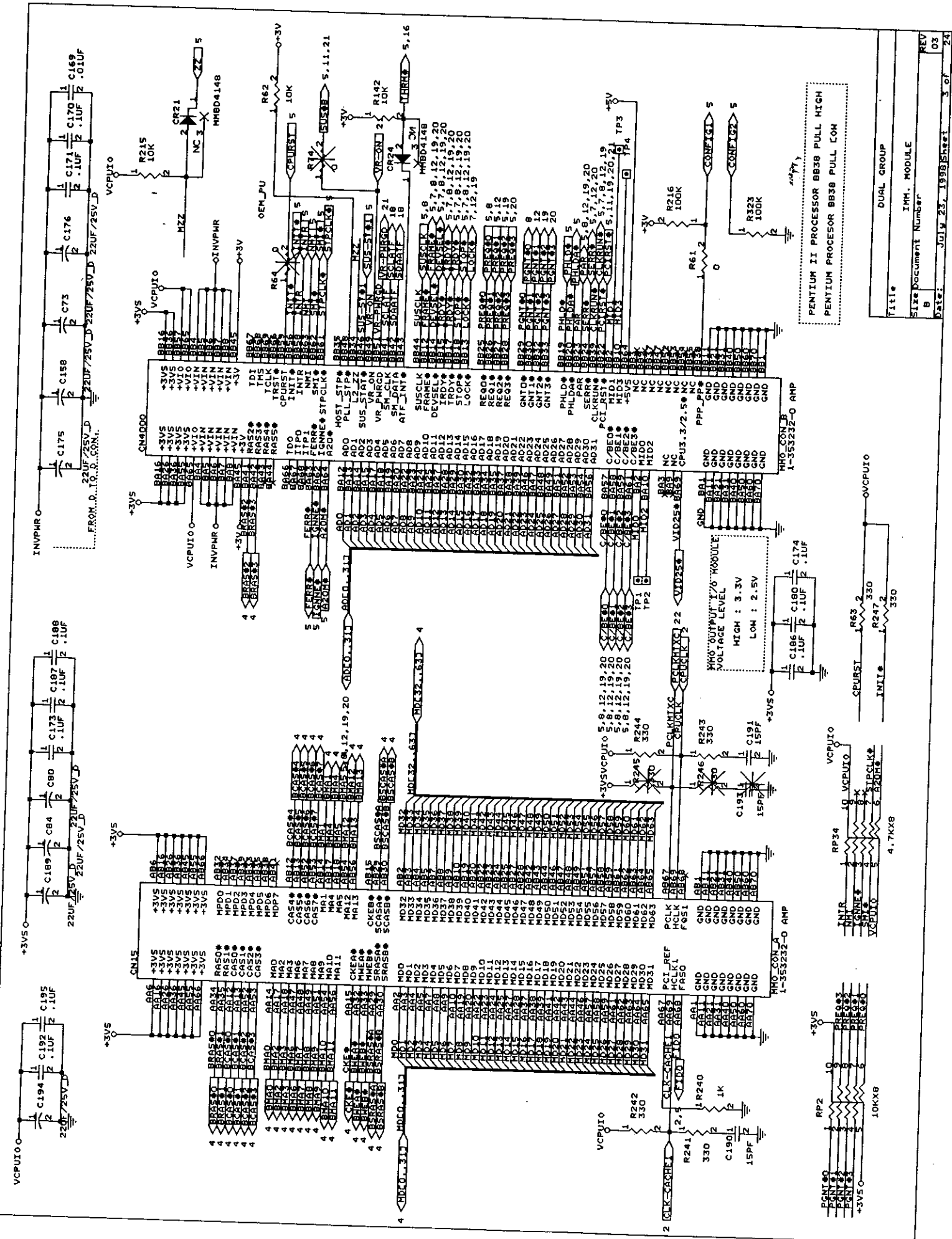
1 : THIS PAGE
 2 : CLK GENERATOR , D/D & CHARGER CONNECTOR
 3 : INTEL MOBILE MODULE (IMM)
 4 : 144 PIN SO-DIMM
 5 : PCI SOUTH BRIDGE -- PIIX4(PIIX4E)
 6 : HDD CONN , CD-ROM & DVD-ROM SWAP BAY , FDD & LS-120 SWAP BAY
 7 : SYSTEM DAMPING , PULL-UP & PULL-DOWN RESISTORS
 8 : NEO-MAGIC NM4-2160 VGA CONTROLLER
 9 : LCD INTERFACE (LVDS) & INVERTER CONN.
 10 : CRT RC FILTER & DIGITAL TV ENCODER CH7003/4
 11 : VIDEO IN & ZV PORT SWITCH
 12 : PCMCIA (1) -- 02-6833 CARDBUS CONTROLLER
 13 : PCMCIA (2) -- CARD POWER CONTROLLER MIC2563A & CARD SOCKETS
 14 : NS97338 SUPER I/O
 15 : SERIAL, PARALLEL, PS2 PORT
 16 : K/B CONTROLLER M38867
 17 : MICRO PROCESSOR
 18 : SYSTEM BIOS, 80 PORT & MSC.
 19 : PCI AUDIO MAESTRO-2
 20 : DVD, MODEM, REPLICATOR CONN.
 21 : POWER GOOD & SUSPEND LOGIC & MSC.
 22 : IR MODULE
 23 : USB, BATTERY CONN.
 24 : BYPASS CAPS

! LINK
 ! MAR-02.SCH
 ! MAR-03.SCH
 ! MAR-04.SCH
 ! MAR-05.SCH
 ! MAR-06.SCH
 ! MAR-07.SCH
 ! MAR-08.SCH
 ! MAR-09.SCH
 ! MAR-10.SCH
 ! MAR-11.SCH
 ! MAR-12.SCH
 ! MAR-13.SCH
 ! MAR-14.SCH
 ! MAR-15.SCH
 ! MAR-16.SCH
 ! MAR-17.SCH
 ! MAR-18.SCH
 ! MAR-19.SCH
 ! MAR-20.SCH
 ! MAR-21.SCH
 ! MAR-22.SCH
 ! MAR-23.SCH
 ! MAR-24.SCH



Approved by	Checked by	Designed by
Title		
PAGE DESCRIPTION		
Size Document Number		
REV		
Date: August 24, 1998 Sheet 1 of 24		

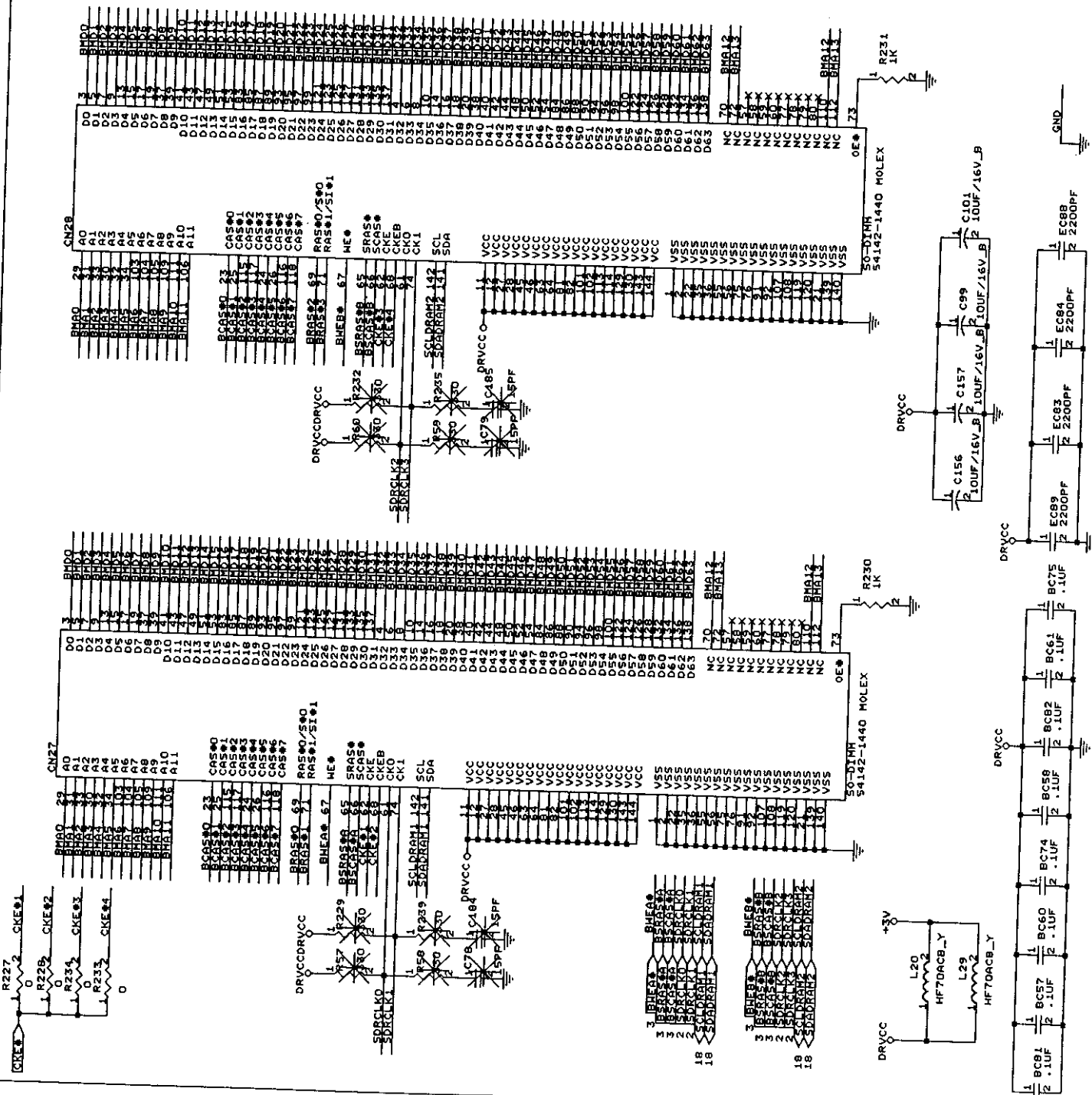
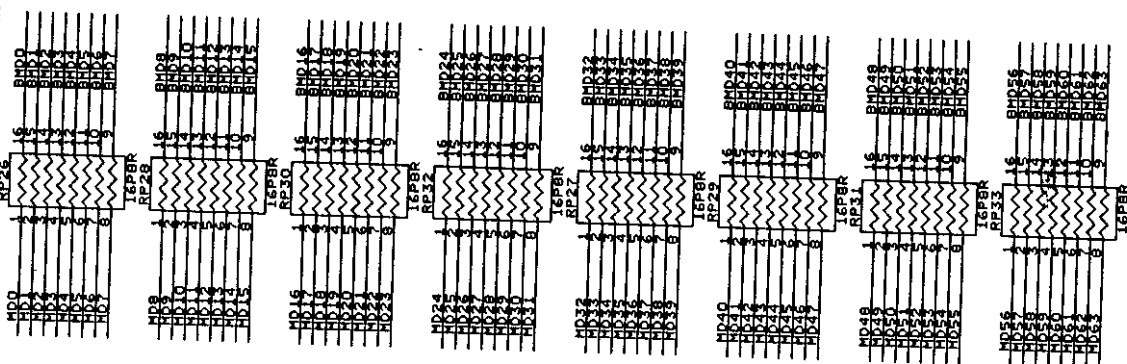




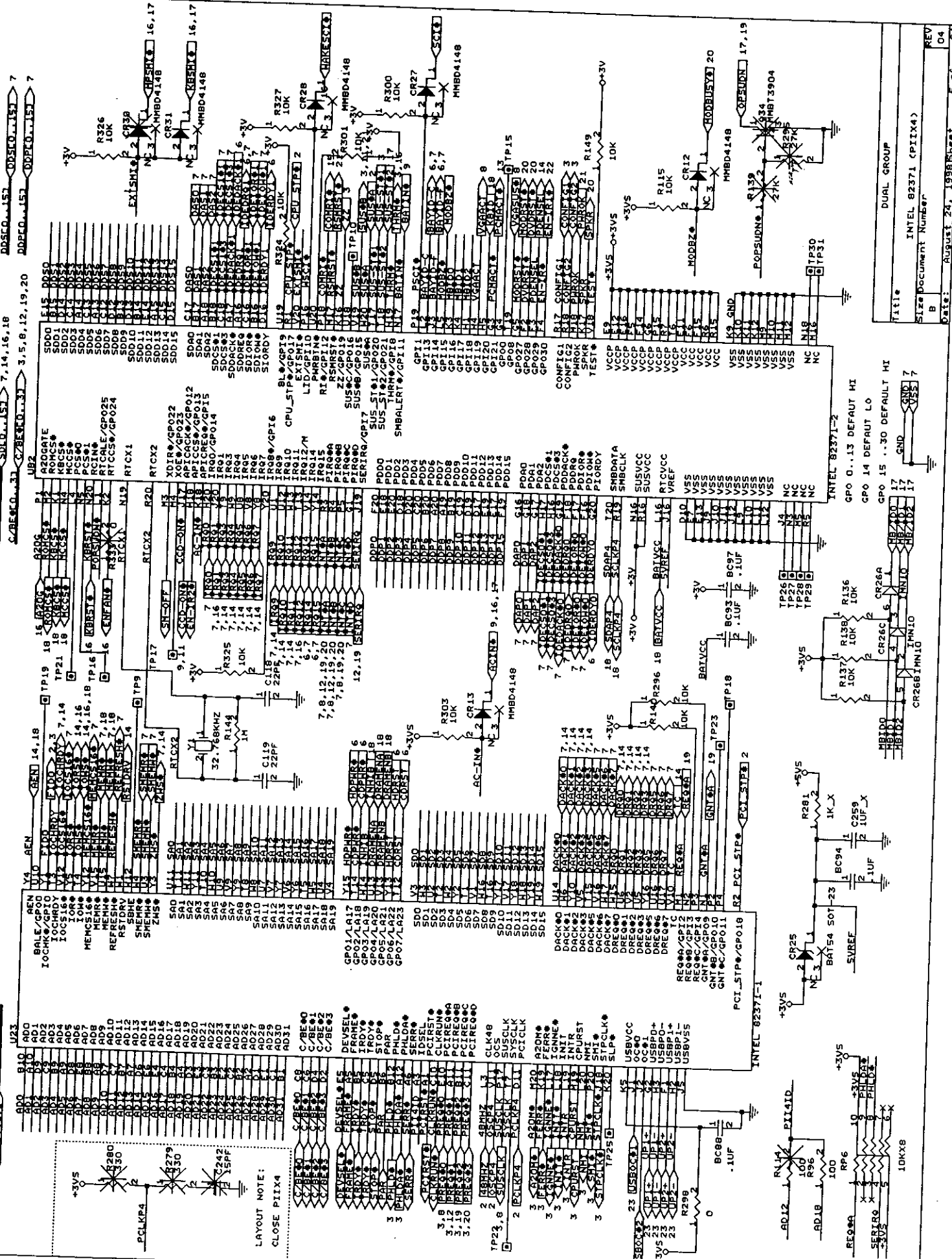
PENTIUM II PROCESSOR 80386 PULL HIGH
PENTIUM PROCESSOR 80386 PULL LOW

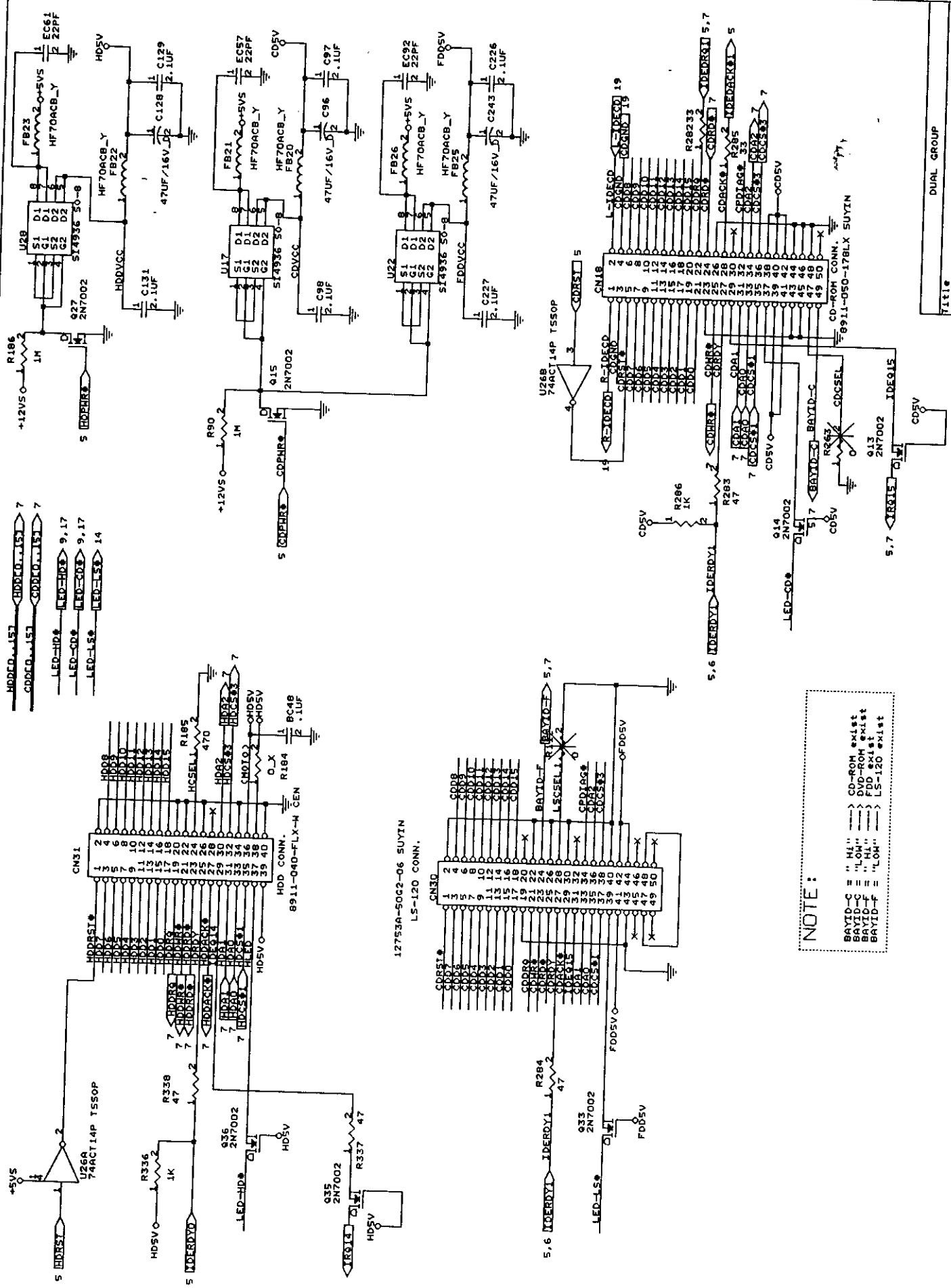
Title		DUAL GROUP
Size	Document Number	IMM. MODULE
B		
Date:	July 23, 1998 Shee	

PLACE THESE PARTS NEAR IMM CONN.



C/B/E/C/O...31 > 7,14,16,18 D/D/S/C/O...157 > 7
 C/Z/B/E/C/O...31 > 3,5,8,12,19,20 D/D/P/C/O...157 > 2
 1152

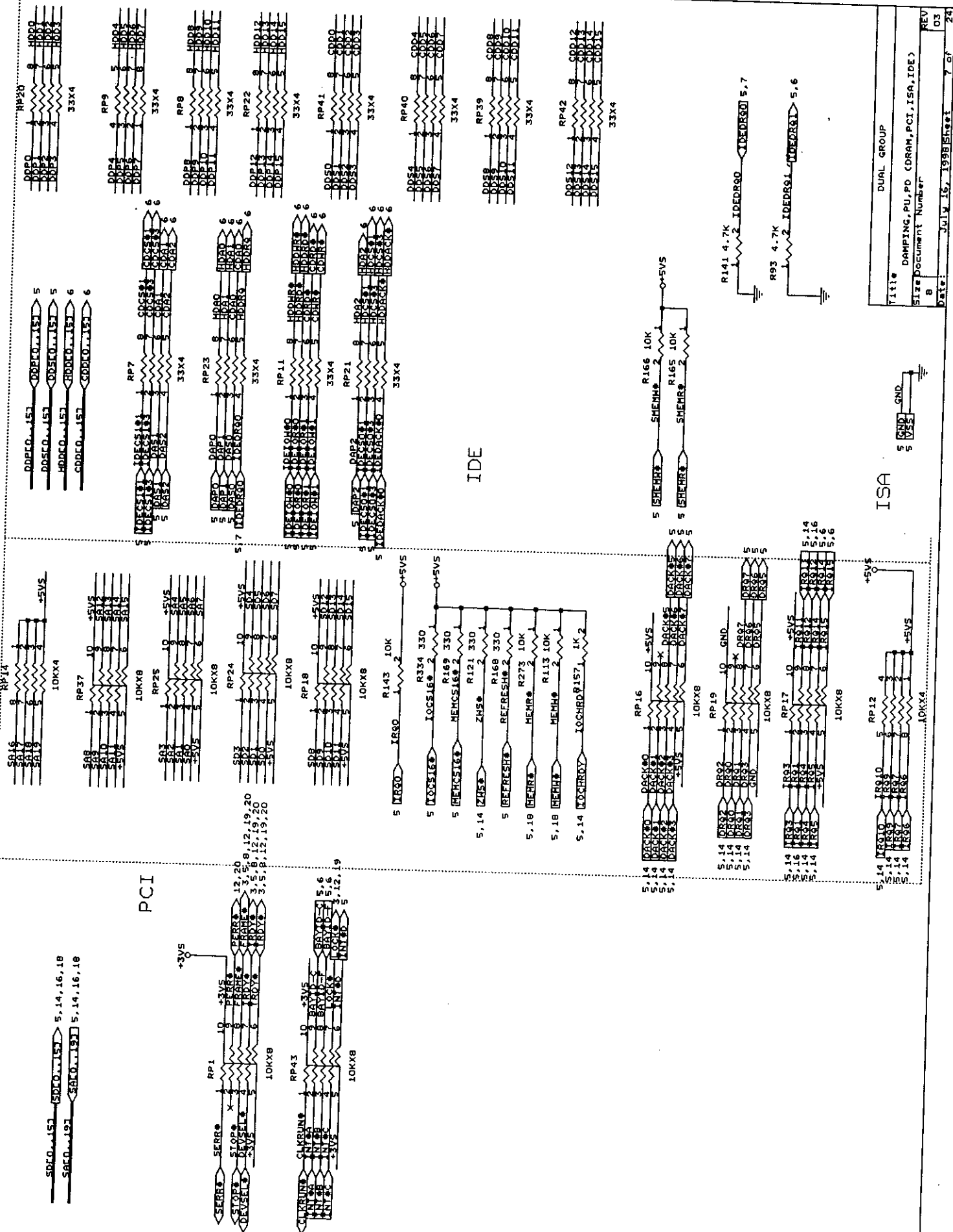


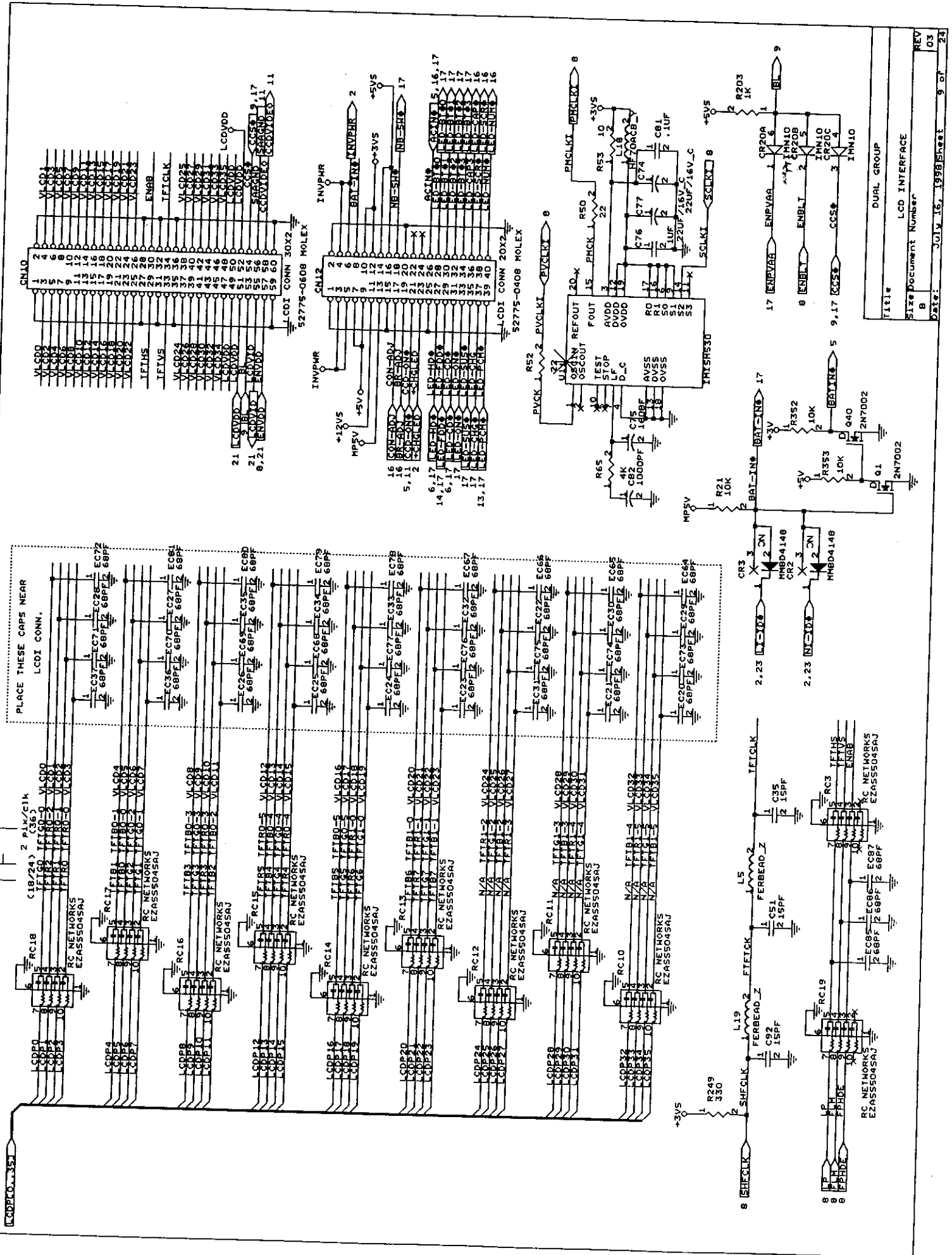


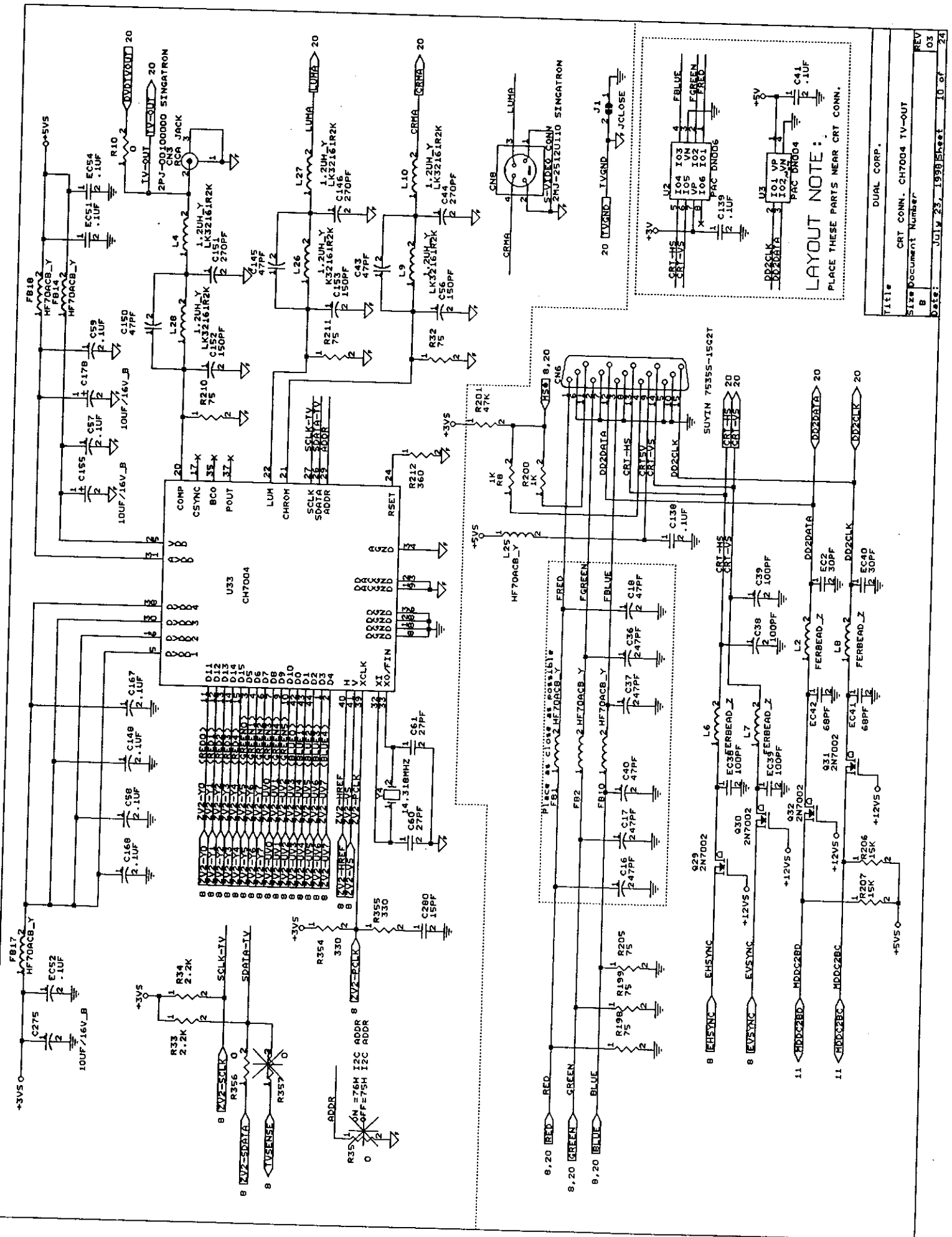
NOTE:

BAYID-C = "HI" → CD-ROM exist
 BAYID-C = "LOW" → DVD-ROM exist
 BAYID-F = "HI" → FDD exist
 BAYID-F = "LOW" → LS-120 exist

DUAL GROUP	
Title	HDD, CD-ROM & DVD, FDD & LS-120 SNAP BAYS
Size	Document Number
REV	03
Date:	JUL 16, 1998
Sheet	6 of 24



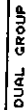




LAYOUT NOTE:
PLACE THESE PARTS NEAR CRT CONN.

Title: CRT CONN. CH7004 TV-OUT
Size: Document Number
Date: JULY 23, 1988
REV 103
10 of 24

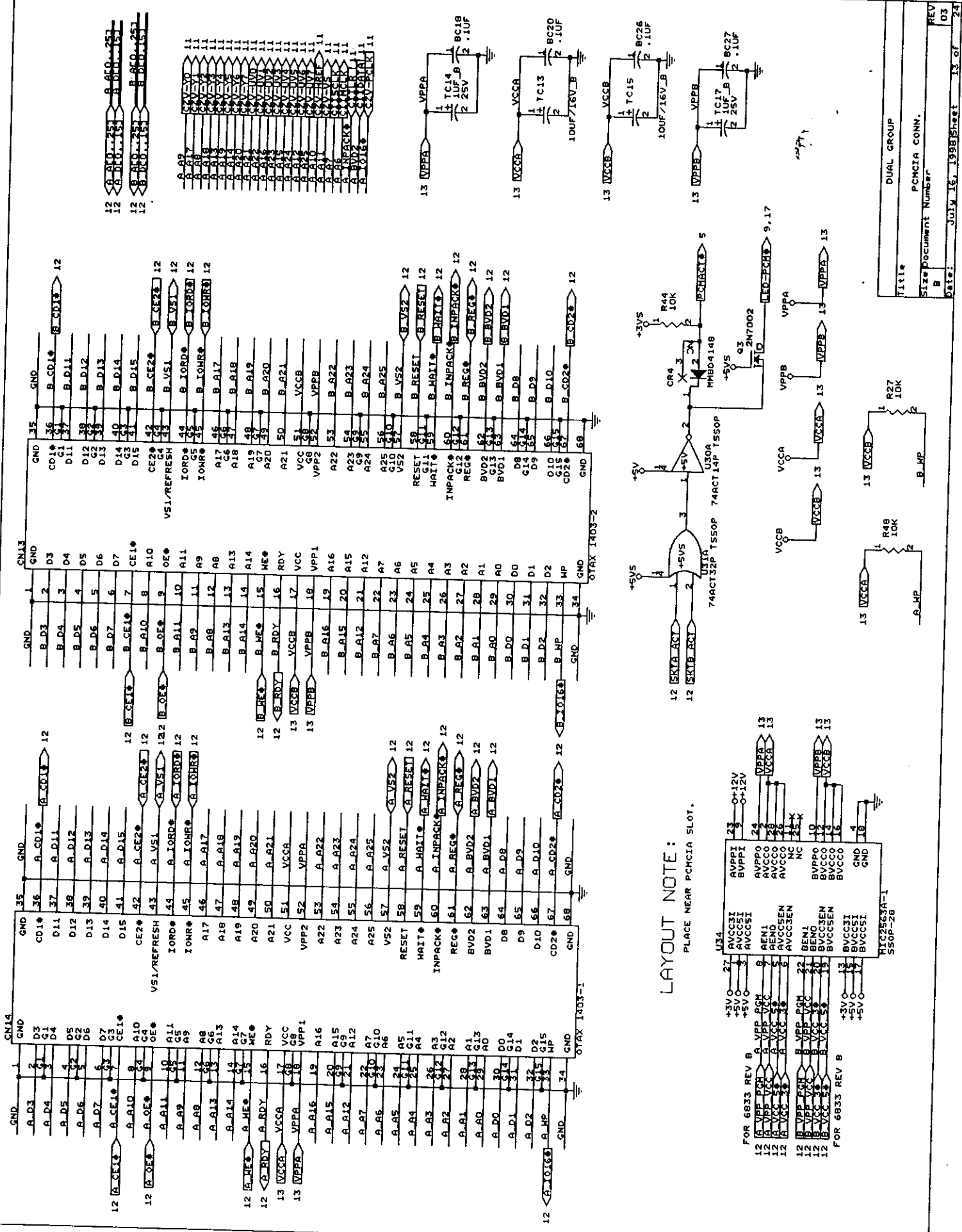
PCB LAYOUT NOTICE--
Make the length of
as short as possible.



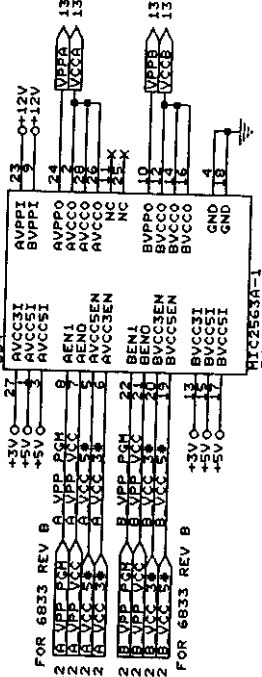
02/CL-6033 CARBUS CONTROLLER

REV

	03
	03



LAYOUT NOTE:
PLACE NEAR PNCIA SLOT.



Title	
PNCIA CONN.	
Size	Document Number
REV	03
Date:	JULY 16, 1998
Sheet	13 of 24



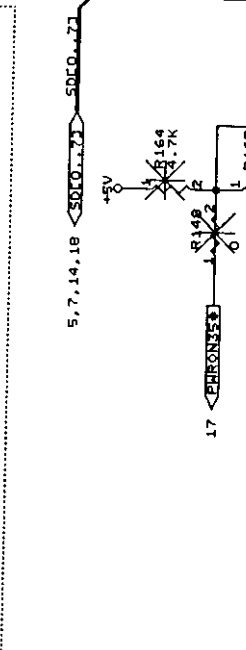
```
BAODR1,0 = 0,0 (BASE ADDRESS 390h, 39dh)  
CFG0 = 0 (16 BIT ADDRESS MODE)
```

Some HDD drives have pull-up on their input pins
lik pull-down is used on HDC500, HDC510.



Title		PC97338V1G SUPER I/O	
Dual Group			
Size	Document Number	REV	
8		03	
Date:	July 16, 1998	Sheet	14 of 24

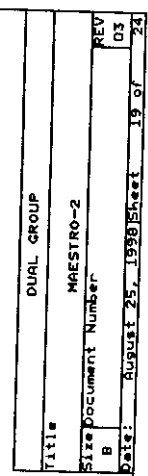
PLACE THESE PARTS NEAR FAN CONN

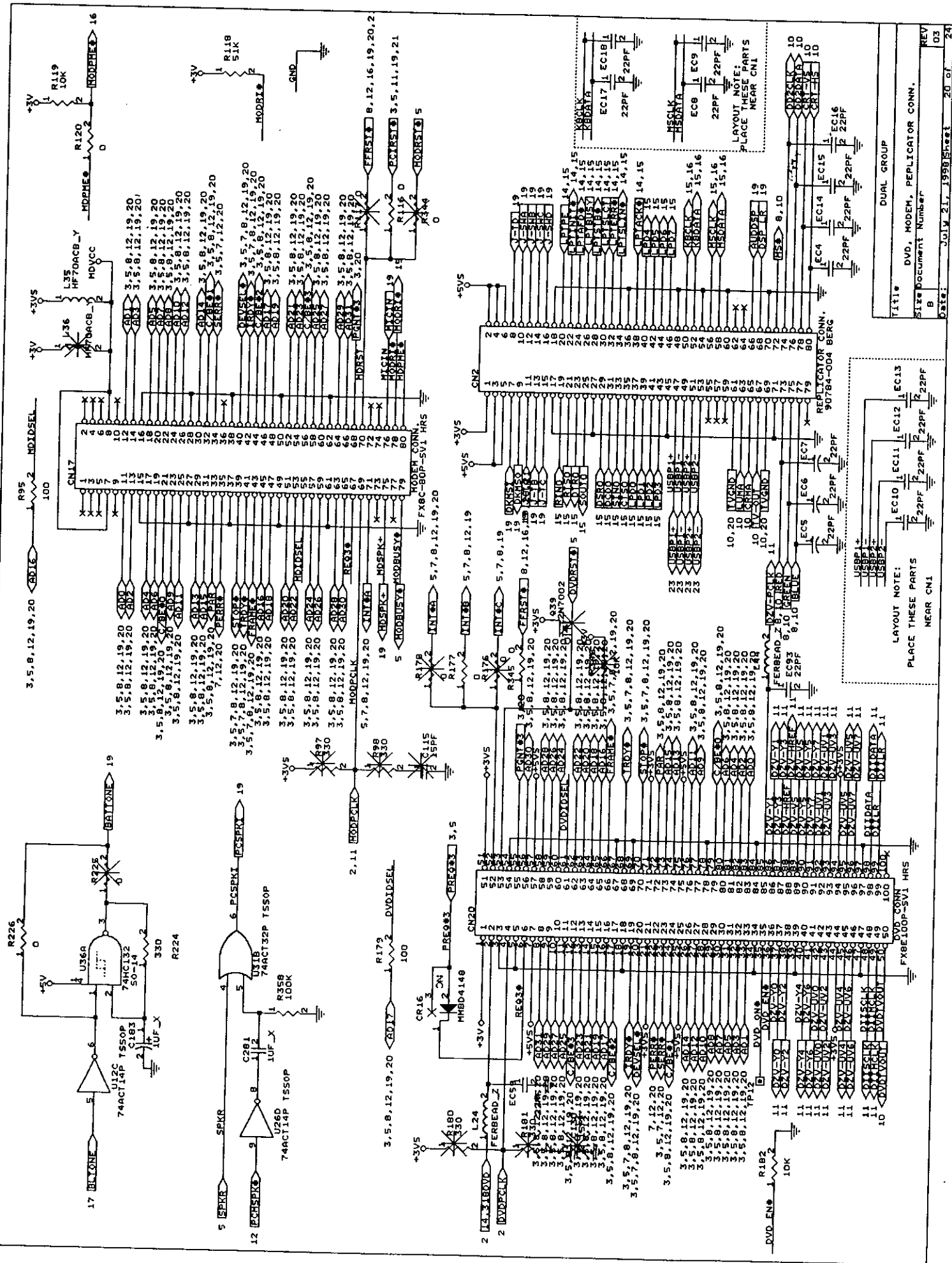


M38867 K/B CONTROLLER

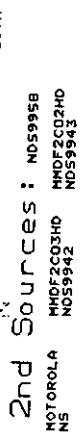
Police Document Number

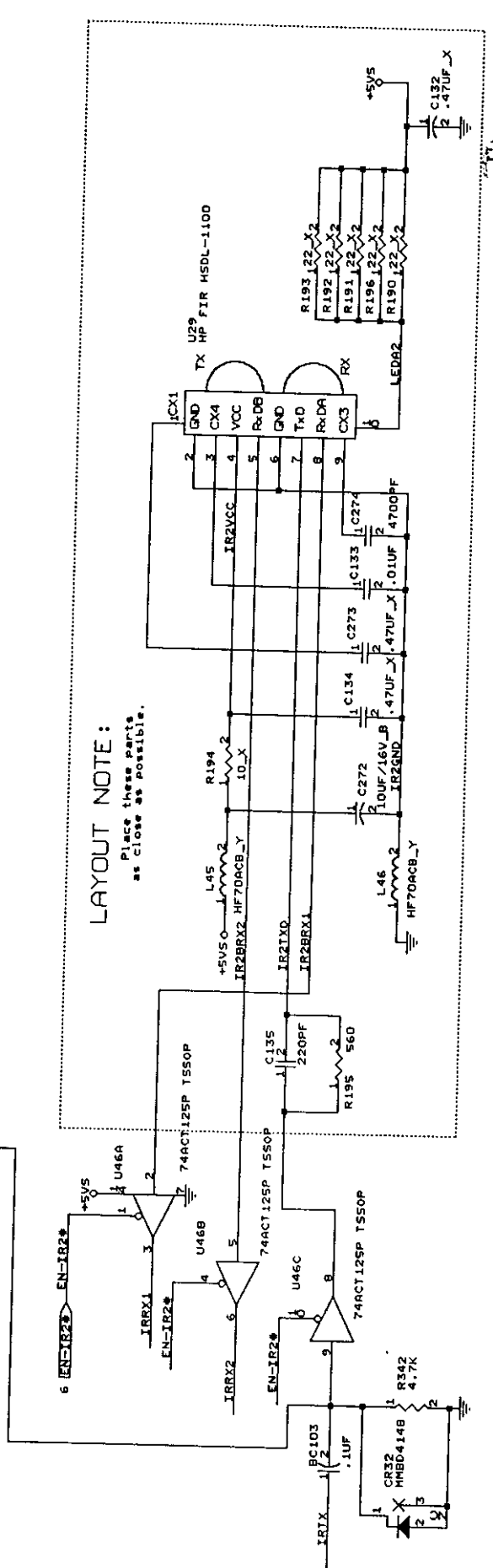
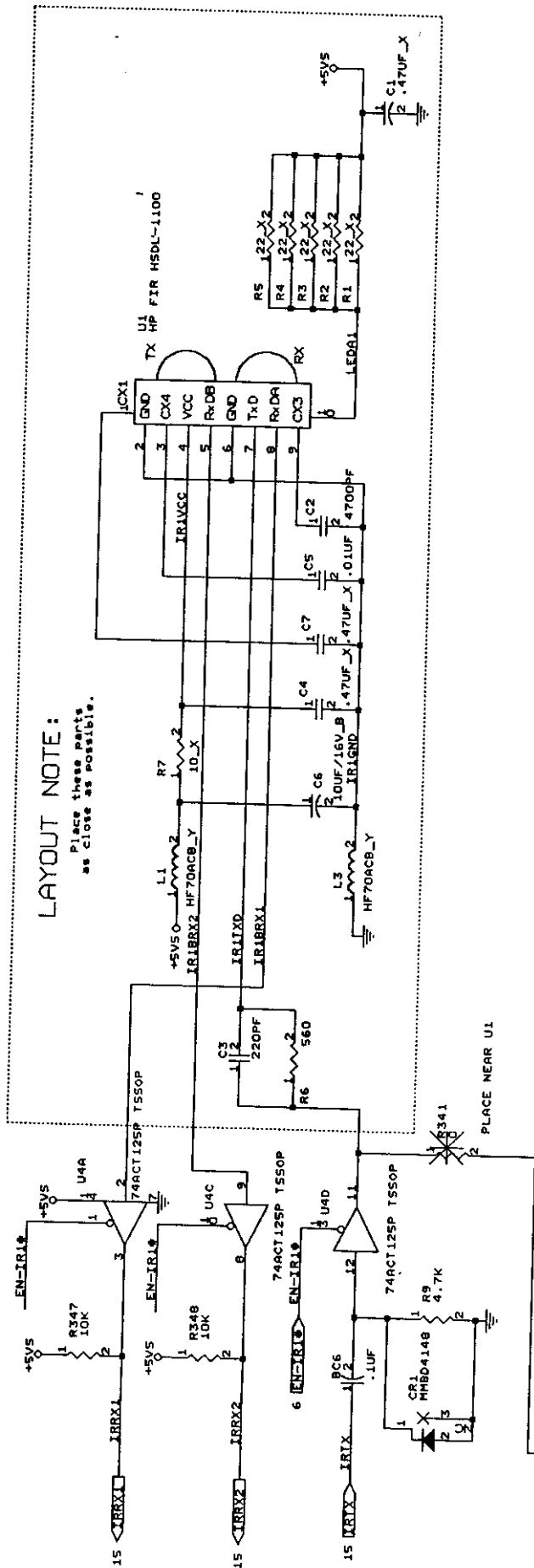
Date:	August 24, 1998	Sheet	13 of 13
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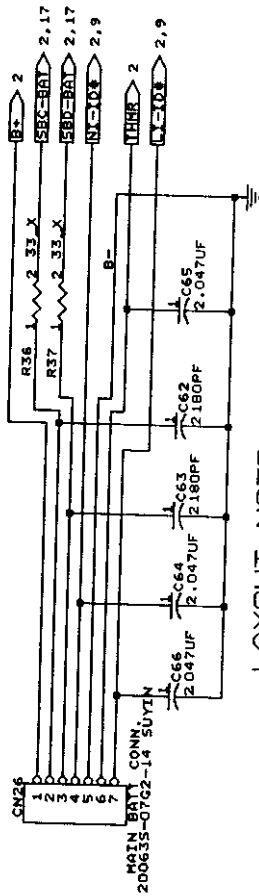




NOTE:
 LCDIO = High, +3V
 LCDIO = Low, +5V

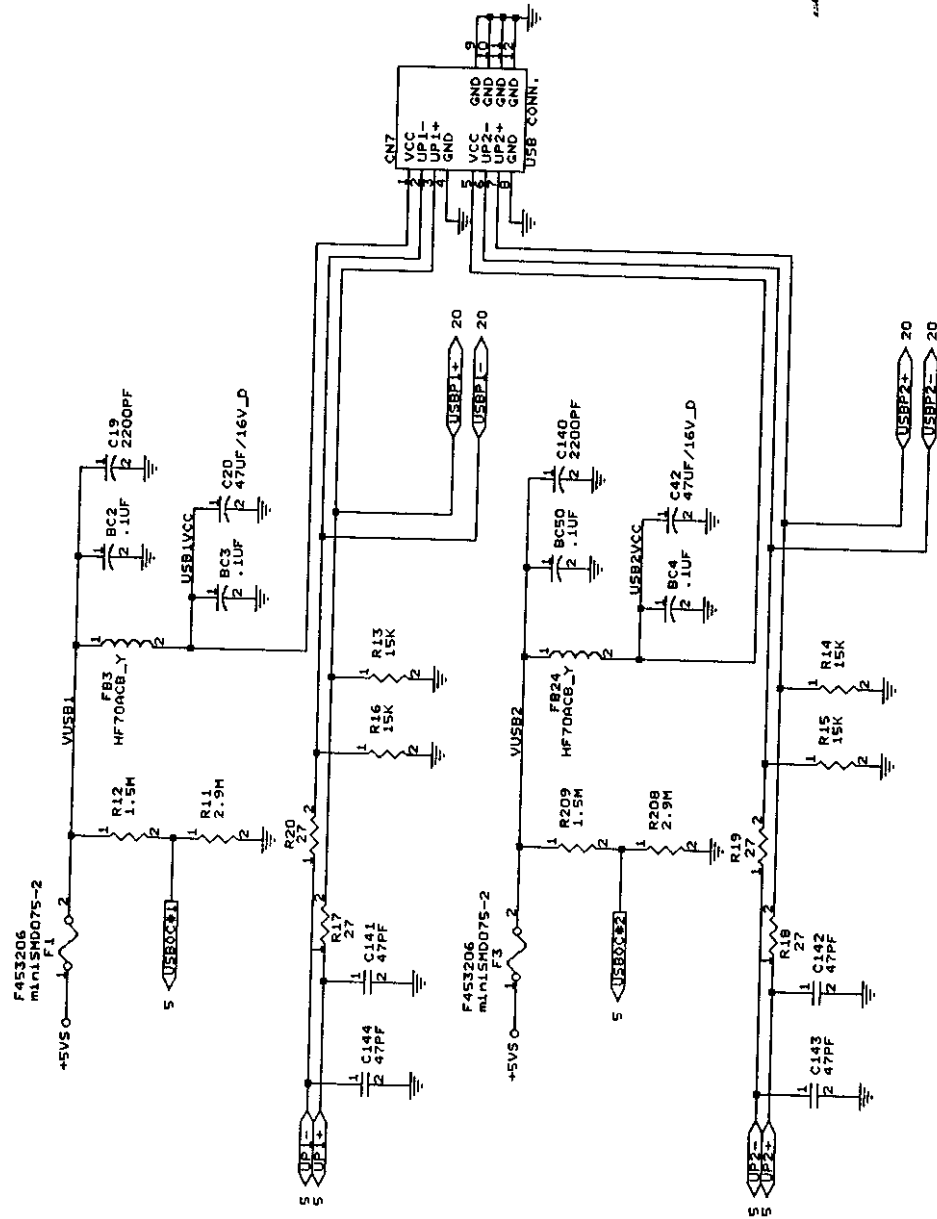






LAYOUT NOTE:

Place these parts
as close as possible.



DUAL GROUP

USB & BATTERY CONN.

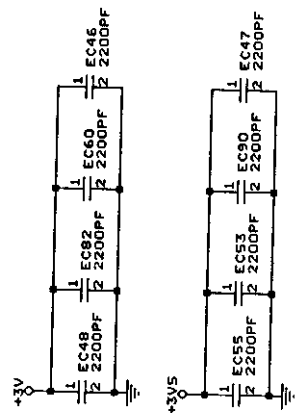
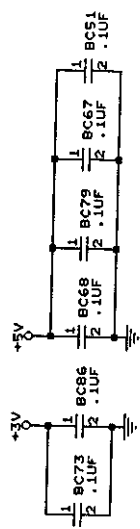
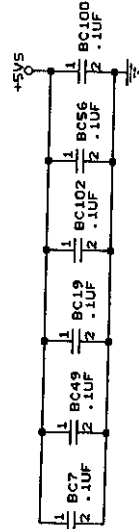
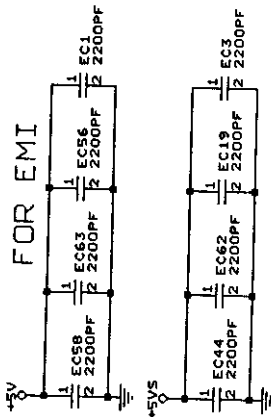
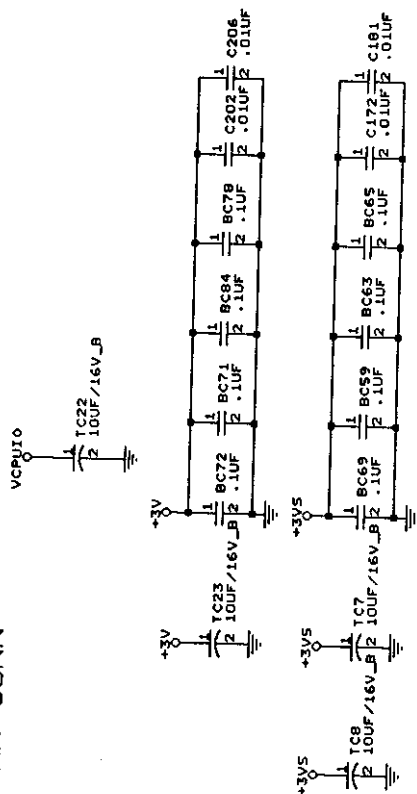
Size Document Number

REV B

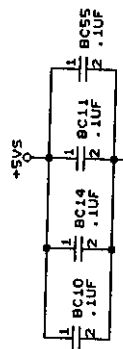
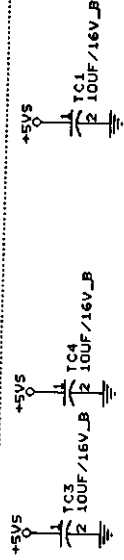
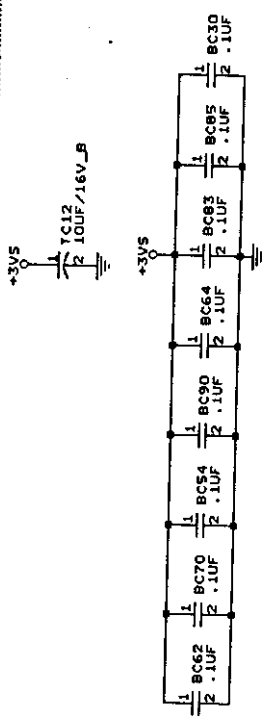
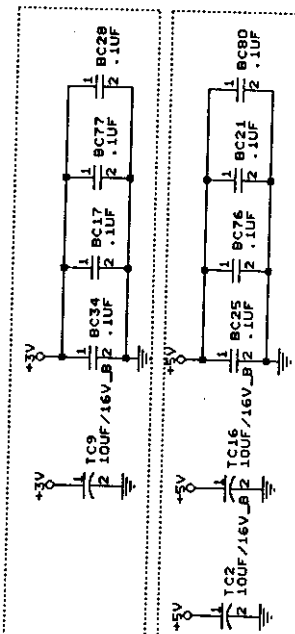
Date: July 16, 1998

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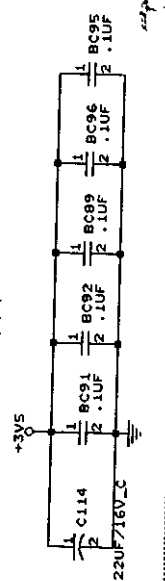
IMM CONN



AROUND SYSTEM

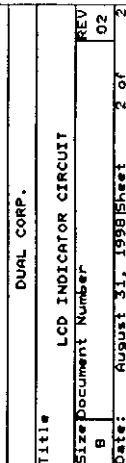
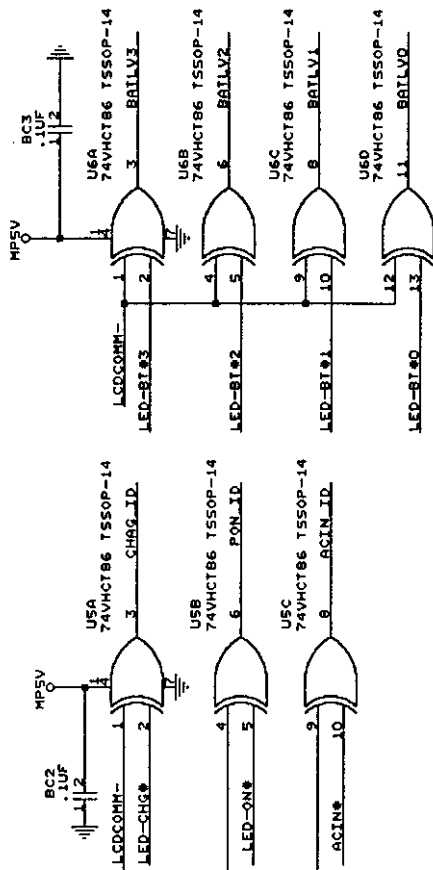


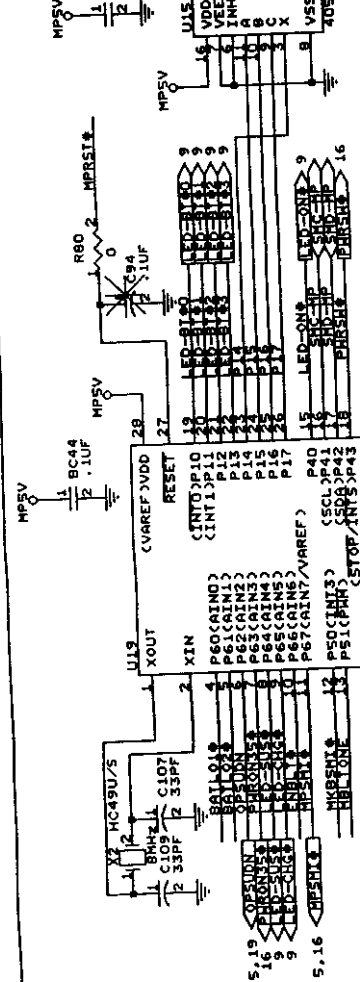
AROUND MPX4



AROUND EACH TTL

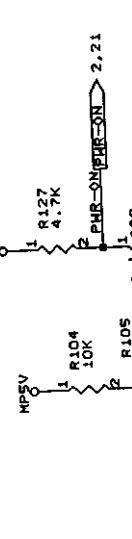
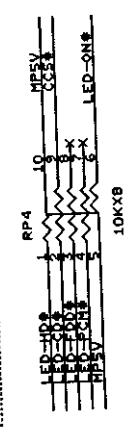
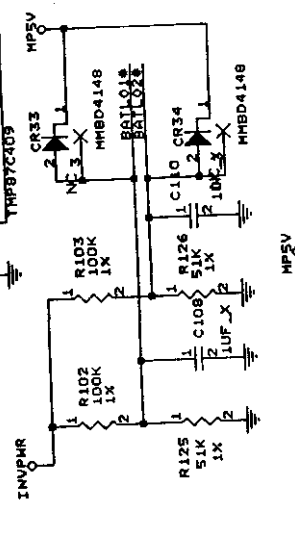
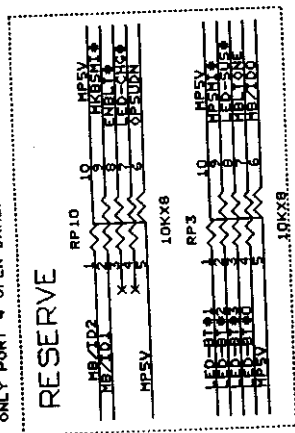
Title	DUAL GROUP
Size	0
Document Number	REV 03
Date	July 16, 1988
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ADAPTOR IN DETECTOR

NOTE: ONLY PORT 4 OPEN DRAIN



POWER SWITCH ON/OFF DETECTOR

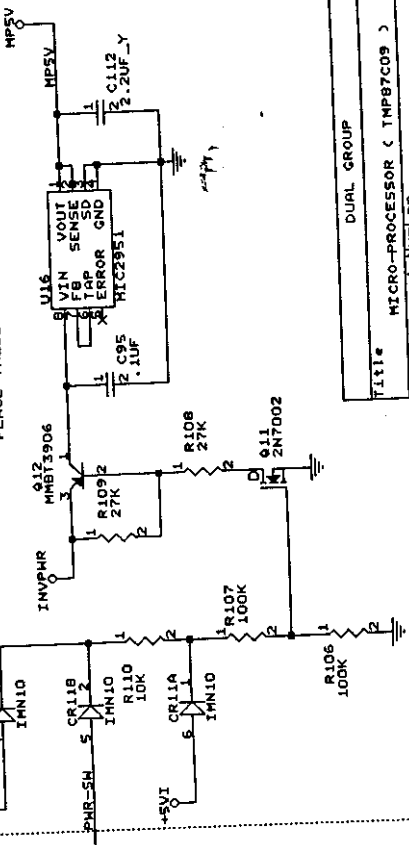
PHR-SH

PHR-SH

PHR-SH

LAYOUT NOTE:

PLACE THESE PART NEAR IMP87C409



MB ID SELECT

MB ID SELECT

MB ID SELECT

MB ID SELECT

MB ID SELECT

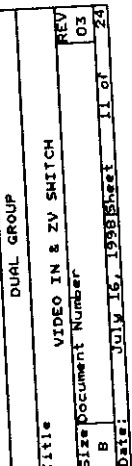
DUAL GROUP

Micro-Processor (IMP87C09)

Size Document Number

Date: August 31, 1998 Sheet 17 of 24

PCMCIA SLOT.



Title	VIDEO IN & ZV SWITCH		
Size	Document Number		
B			
Date:	JULY 16, 1998 Sheet		