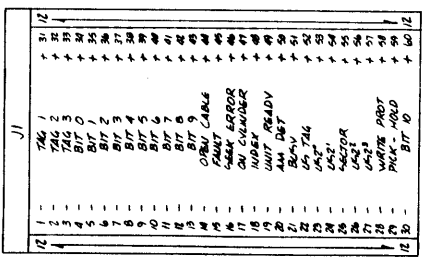
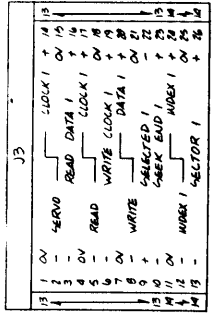


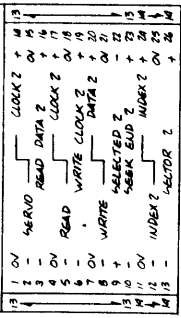
A' CABLE



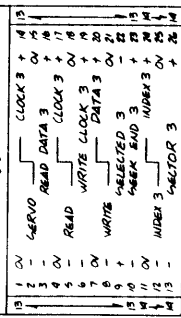
B' CABLE - PART 1



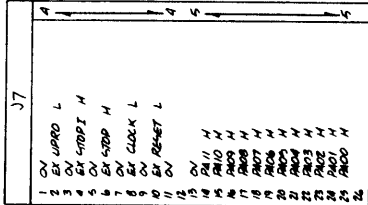
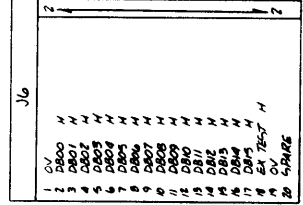
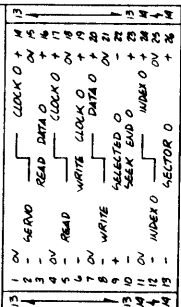
B' CABLE - PART 2



B' CABLE - PART 3

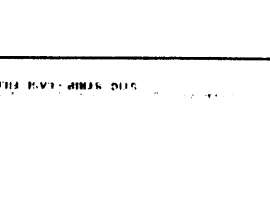
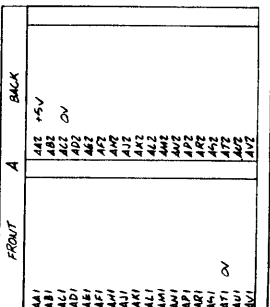
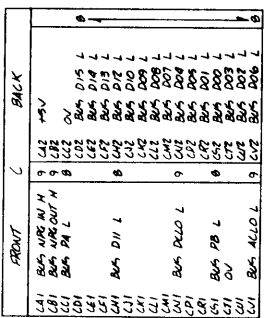
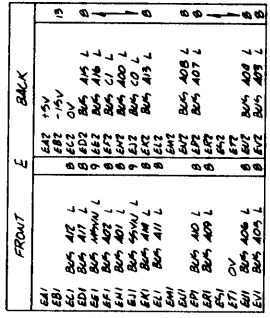
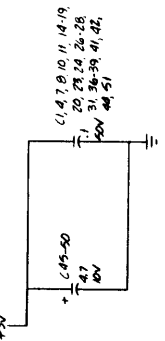


B' CABLE - PART 0



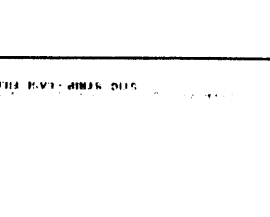
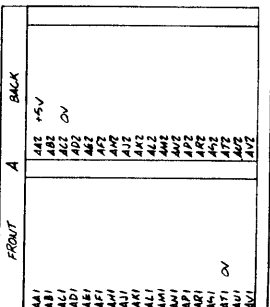
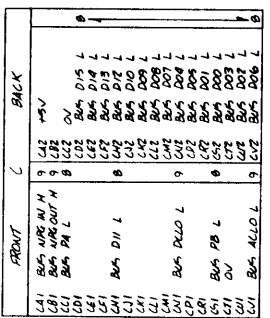
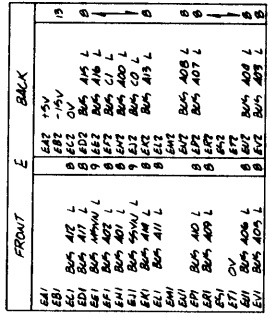
REFERENCE DESIGNATION	QUANTITY USED PER TOTAL	PART NUMBER
C28	2/A	7438
C34	2/A	7432
C35	3/A	7406
C74	2/A	7405
C77	3/A	7405
C100	3/A	7400
C102	3/A	7408
C107	5/6	7404
C109	3/A	7408
C165	5/6	8887
C165	1/A	7400

LAST REFERENCE DESIGNATION USED	QTY
CAPACITOR	12
CONDUCTOR	17
INTERMEDIATE CIRCUIT	17
RESISTOR	17
RESISTOR MODULE	17
SWITCH	17
VOLTAGE REGULATOR	17
JUMPER	17

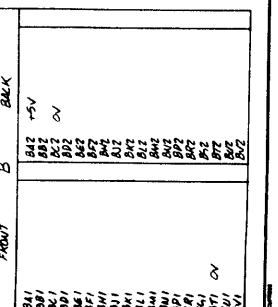
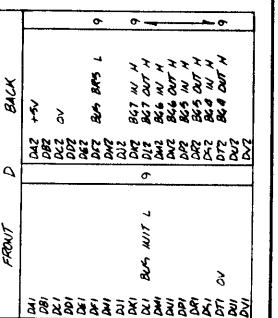
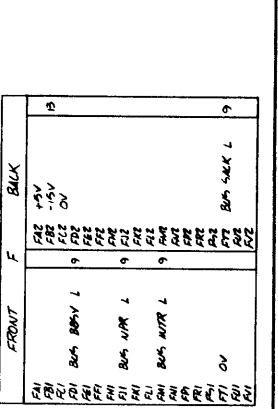


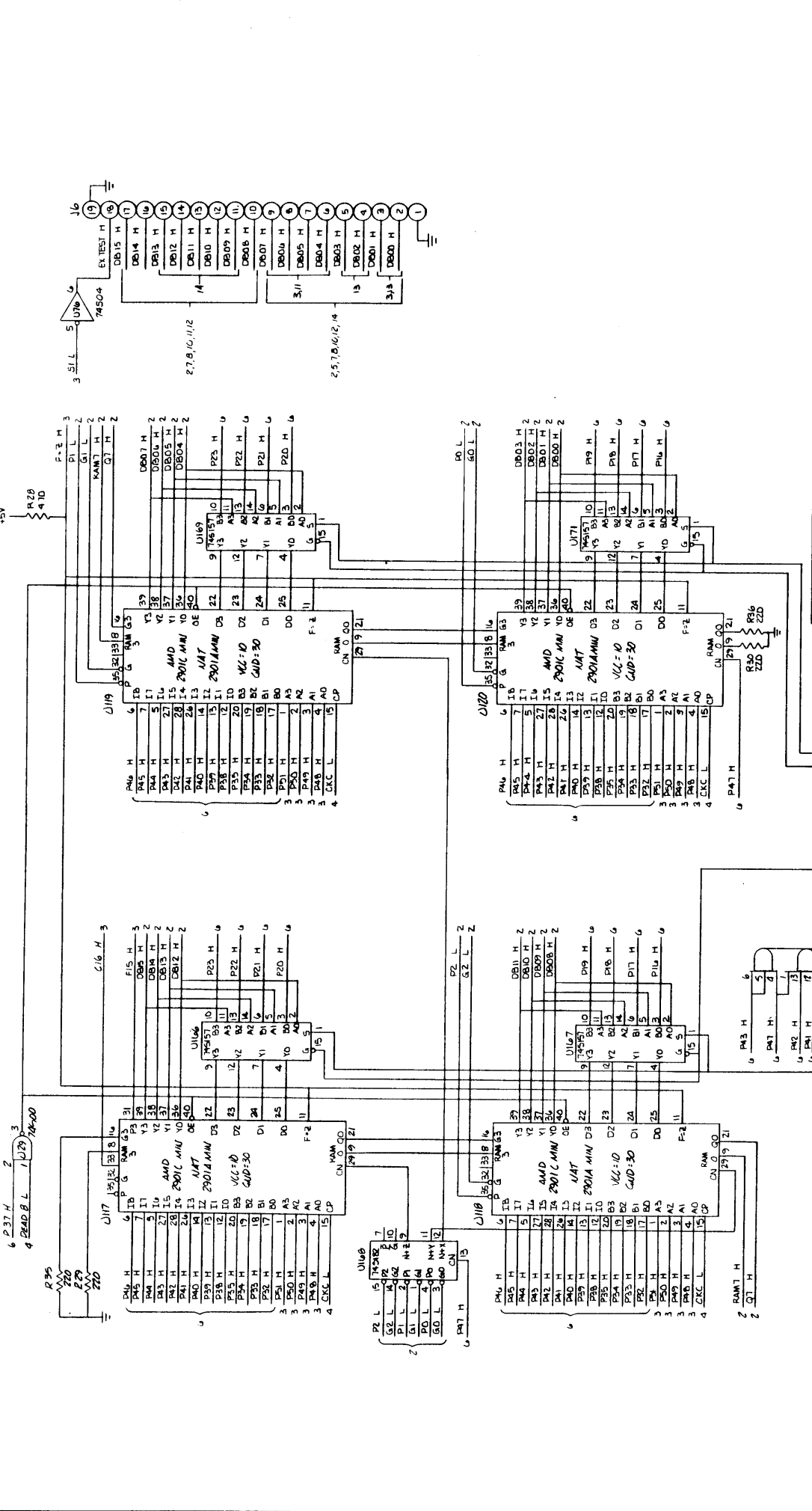
JUMPER LOCATION/S	QTY
A,B,C,D,E,F	12
H,J	5
K,L,GND	8

SWITCH LOCATION/S	QTY
SW 1	3
SW 2	3
SW 3	7,8



SHEET NO.	TITLE	DATE	DESIGNED BY	CHECKED BY	APPROVED BY	SCALE	NO. OF SHEETS	SHEET NO.	OF
14	CONTROL REGISTER	12-72					14	1	14
13	WRITE DATA AND CLOCK TRANSMITTERS, 3 CABLE RELEASERS						13	2	13
12	X CABLE REGISTER DRIVERS AND RECEIVERS						12	3	12
11	ELL REGISTER						11	4	11
10	SHIFT REGISTER BUFFER, DISK DATA CONTROL						10	5	10
9	INIT CONTROL, BG AND JAG ARBITRATION						9	6	9
8	JUNIOR'S DATA REGISTER, UNIBUS ADDRESS REGISTER						8	7	8
7	BUFFER ADDRESS REGISTER, BUFFER MEMORY						7	8	7
6	PROGRAMS AND PIPELINE ADDRESS REGISTERS						6	9	6
5	SEQUENCERS, PIPELINE ADDRESS REGISTERS						5	10	5
4	BUS SOURCE DECODER, BUS DESTINATION DECODER, CLOCKING						4	11	4
3	AD PREAMP, TEST INDEX TEST SAMPLING, A POST AMPL						3	12	3
2	ALLI, 2001'S, D'ANU						2	13	2





**EMULEX CORPORATION**  
 IRVINE, CALIF.

**EMULEX**

**TITLE**  
 SCHEMATIC DIAGRAM  
 5031 DISK CONTROLLER

**FILE**  
 50310601

**REV.**  
 4

**SCALE**  
 NONE

**SHEET**  
 2 of 4

**UNLESS OTHERWISE SPECIFIED**  
 DIMENSIONS ARE IN INCHES  
 DIMENSIONS IN PARENTHESES ARE  
 PERMITTED UNLESS OTHERWISE SPECIFIED  
 TOLERANCES ARE:  
 .125" - .150" .005"  
 .150" - .250" .004"  
 .250" - .500" .003"  
 .500" - 1.000" .0025"  
 1.000" - 2.000" .002"  
 2.000" - 5.000" .0015"  
 5.000" - 10.000" .001"  
 10.000" - 25.000" .0008"  
 25.000" - 50.000" .0006"  
 50.000" - 100.000" .0005"  
 100.000" - 250.000" .0004"  
 250.000" - 500.000" .0003"  
 500.000" - 1000.000" .00025"

**APPROVED**

**DESIGNED BY**

**CHECKED**

**DATE**

**APP. NO.**

**SCALE**

**DO NOT SCALE DRAWING**

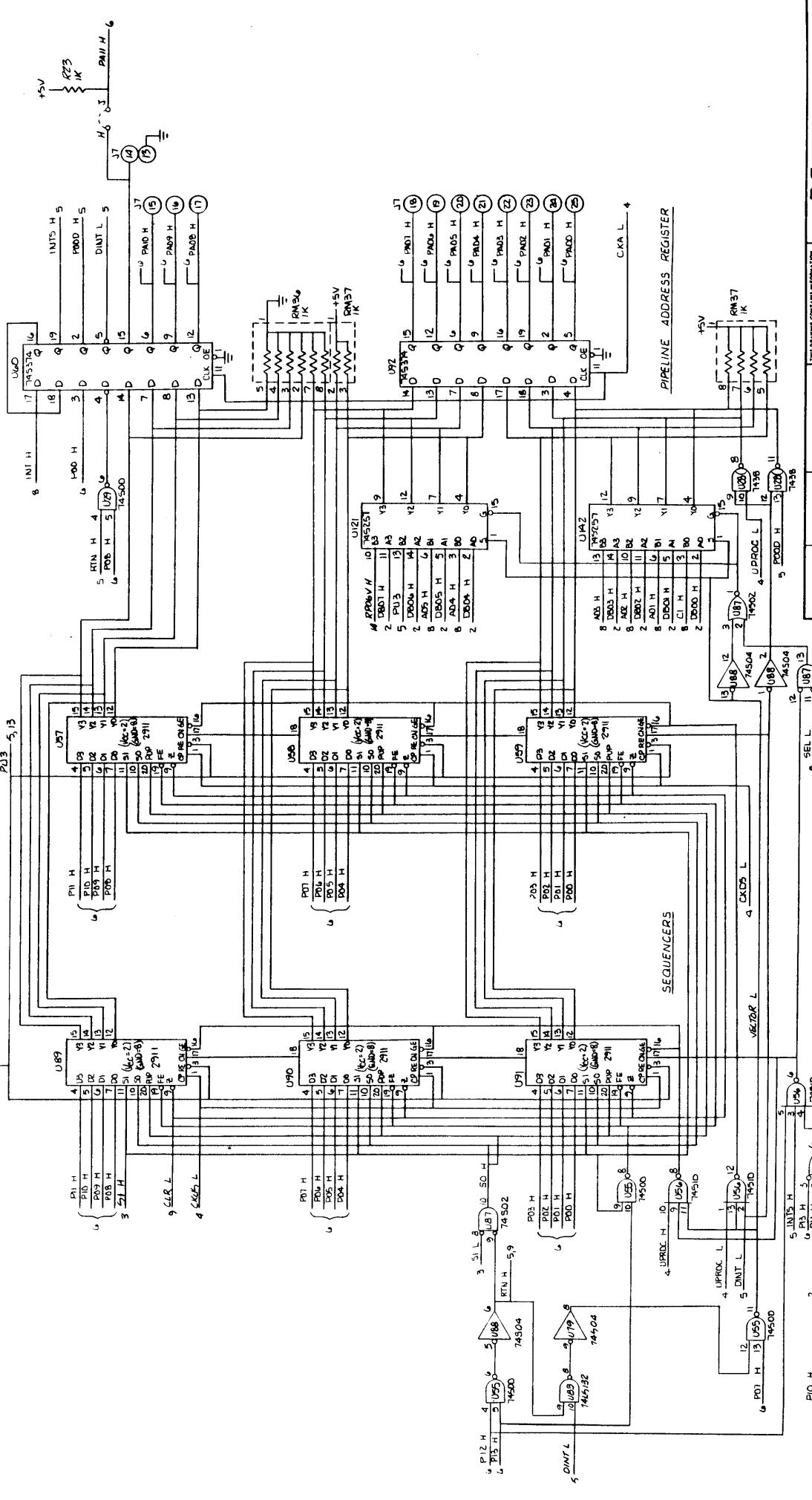
**APP. NO.**

**SCALE**

**DO NOT SCALE DRAWING**



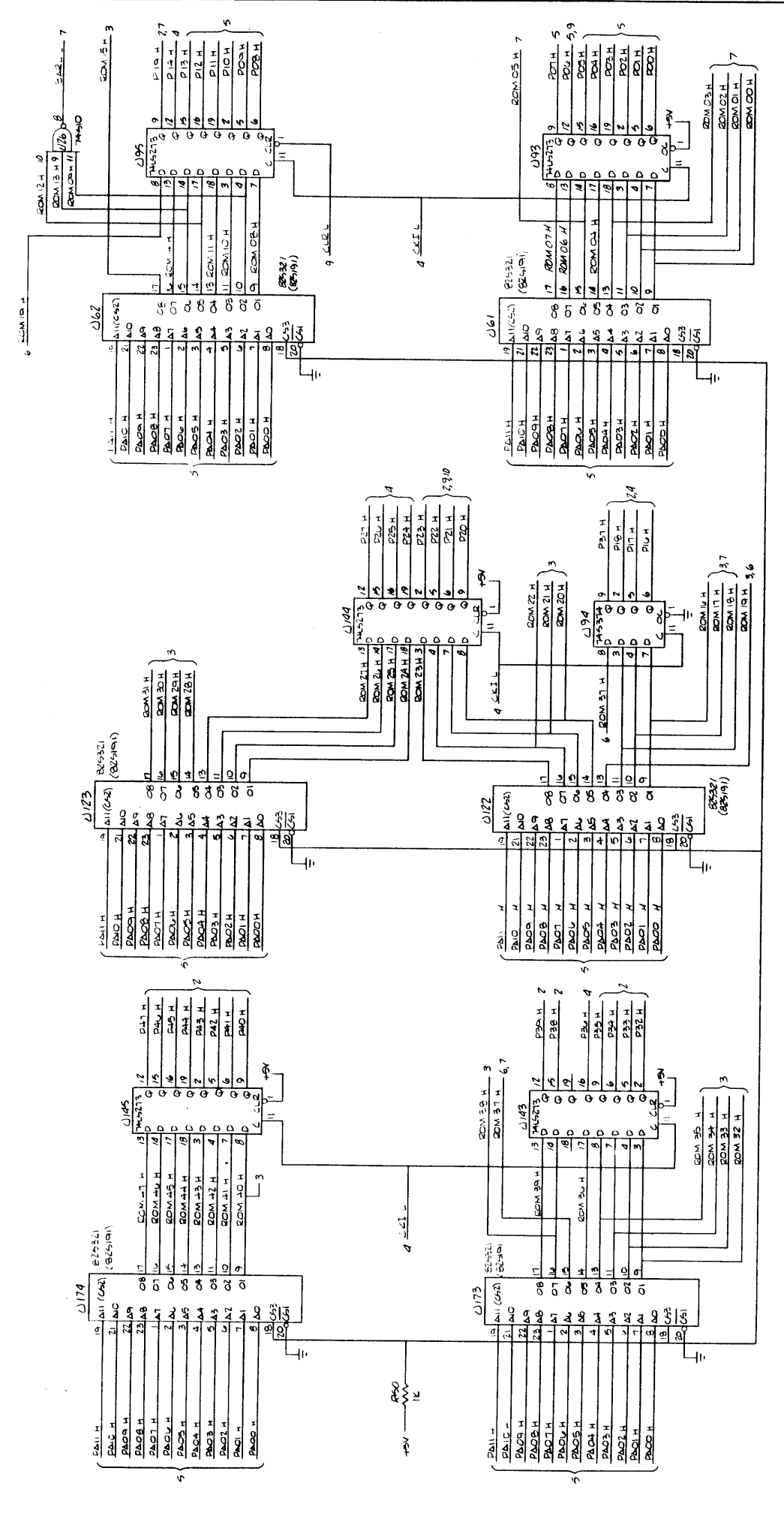




EMULEX CORPORATION IRVINE, CALIF.	
TITLE SCHEMATIC DIAGRAM 5031 DISK CONTROLLER	
DESIGNED BY D	CHECKED BY A
DRAWN BY SUN110601	DATE MAY 1971
SCALE NONE	SHEET 5 OF 14

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS UNLESS OTHERWISE SPECIFIED TOLERANCES UNLESS OTHERWISE SPECIFIED ARE: FRACTIONS .125, .250, .375, .500, .750, 1.000 DECIMALS .010, .015, .020, .030, .040, .050, .060, .070, .080, .090, .100, .125, .150, .175, .200, .250, .300, .350, .400, .450, .500, .600, .700, .800, .900, 1.000	APPROVED
INTERNAL	DO NOT SCALE DIMENSIONS
APPLICATION	DATE
UNIT NO.	ISSUE NO.
REV. NO.	REV. NO.

ZONE	TR	REVISIONS	DESCRIPTION	DATE	APPROVED
		1	SEE SHEET 1		



IMULEX CORPORATION SANTA ANA, CALIF.		TITLE: SCHEMATIC DIAGRAM - 5U31 DISK CONTROLLER	
DESIGNER	DATE	CHECKED	SCALE
ENGINEER	NO. 5U3110101	APPROVED	REV. A
DATE	WORK CENTER NO.	SCALE	SHEET 6 OF 14

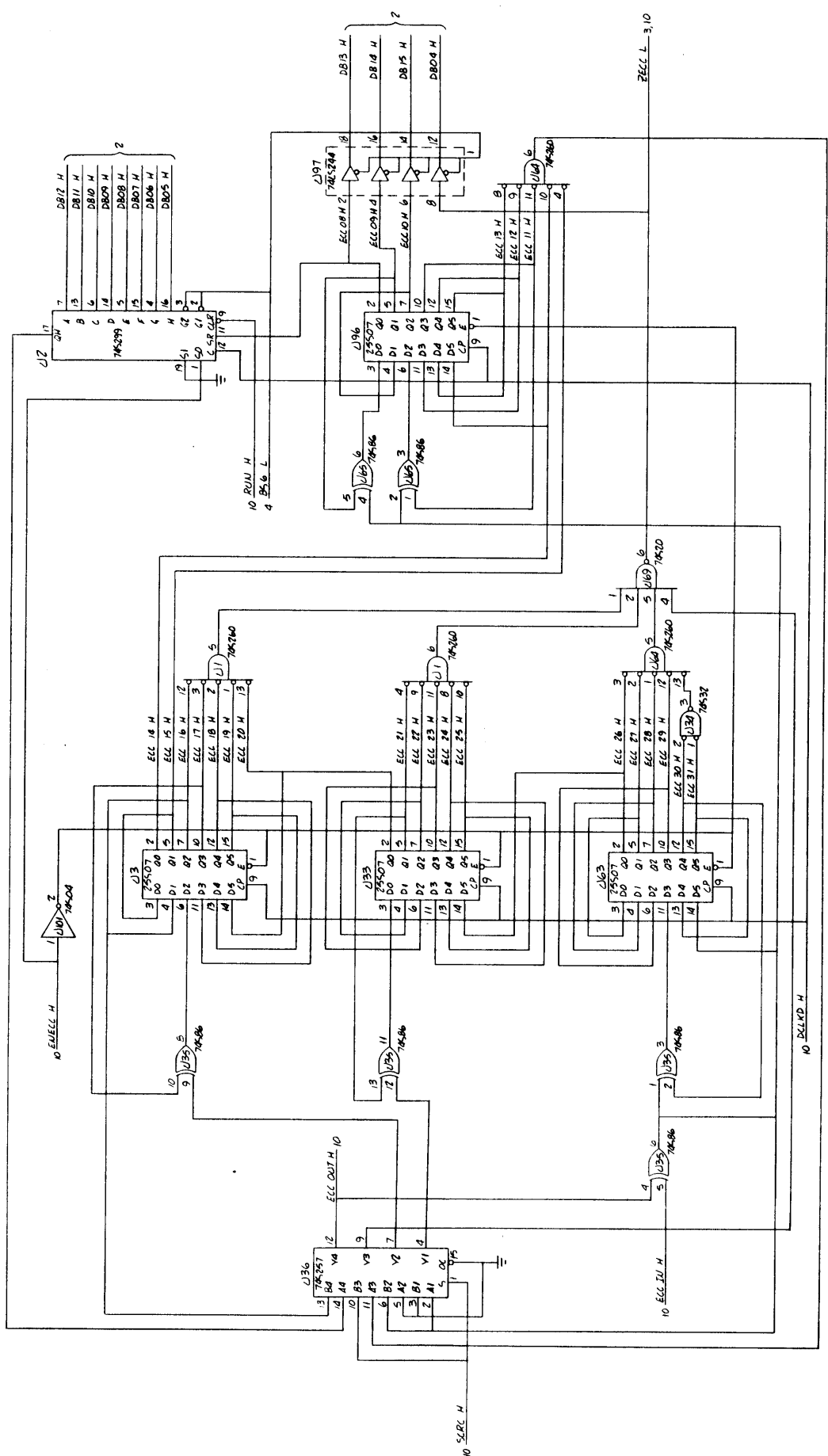








ZONE	LTR	REVISIONS	DATE	APPROVED



ELL REGISTER

TITLE		SCALE		SHEET	
DATE	SCALE	SHEET	OF	DATE	REV.
	1/16"	11	14	5/23/10	A

NO.	DESCRIPTION	DATE	BY	CHKD.

DESIGNED BY	CHECKED	DATE

ENGINEER	APPROVED	DATE

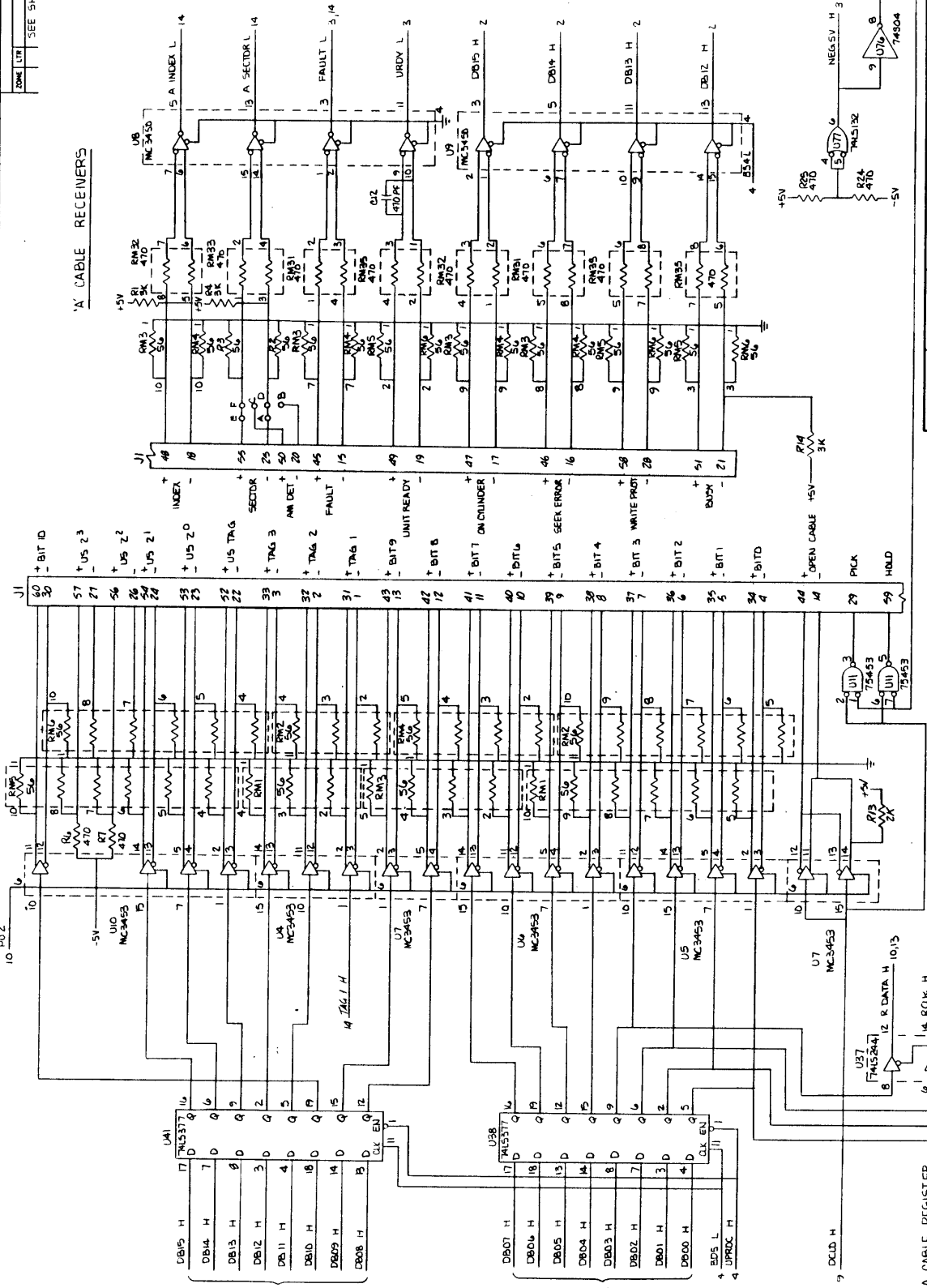
  

PROJECT NO.	WORK ORDER NO.

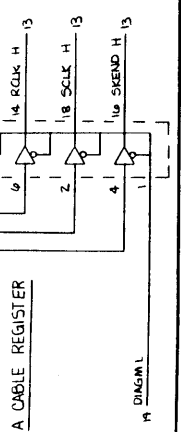
  

DO NOT SCALE DRAWING

A CABLE RECEIVERS



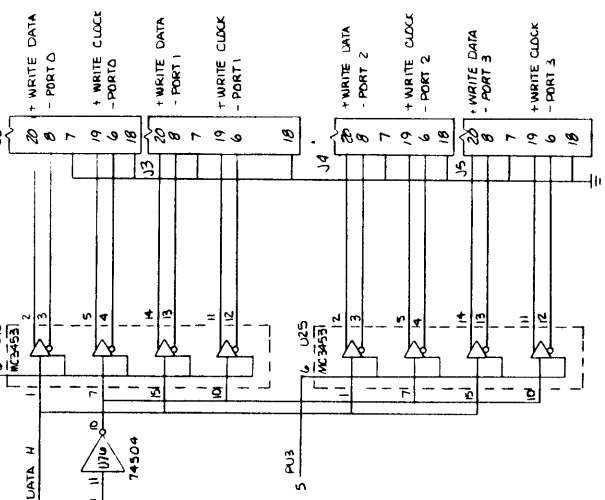
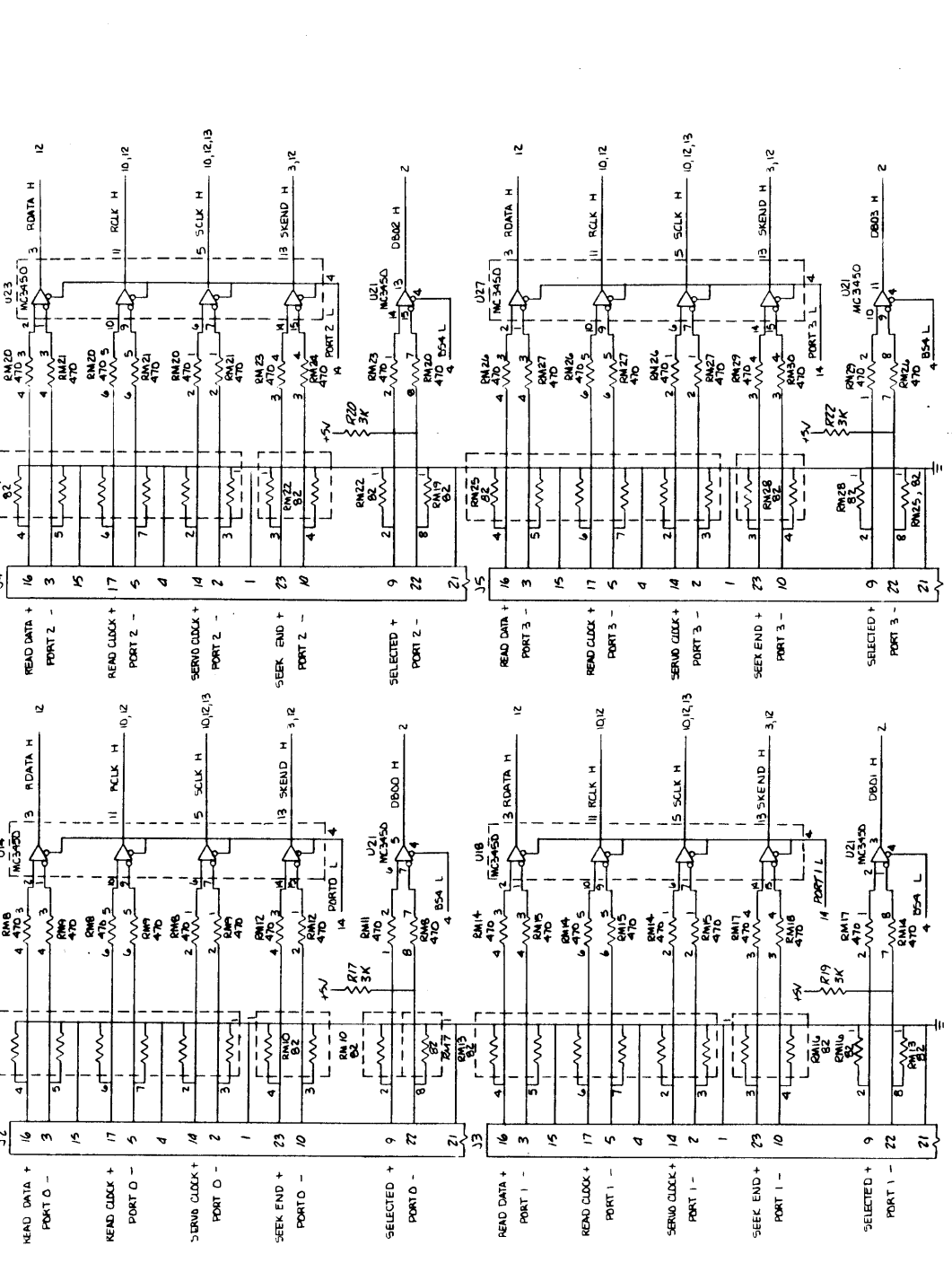
A CABLE DRIVERS



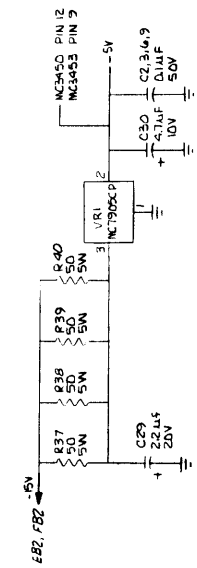
EMULEX CORPORATION IRVING, CALIF.	
TITLE SCHEMATIC DIAGRAM 5031 DISK CONTROLLER	
DESIGNER	SCALE NONE
CHECKED	SCALE 12 OF 14
DRAWN	
DATE	
REV	
50310601	

UNLESS OTHERWISE SPECIFIED	DO NOT SCALE DRAWING
ALL DIMENSIONS ARE IN INCHES	
FRACTIONS SHALL BE IN SIMPLEST FORM	
DECIMALS SHALL BE TO TWO PLACES	
UNLESS OTHERWISE SPECIFIED	
RESISTORS ARE IN OHMS	
CAPACITORS ARE IN P.F.	
RESISTORS ARE IN OHMS	
CAPACITORS ARE IN P.F.	
RESISTORS ARE IN OHMS	
CAPACITORS ARE IN P.F.	

DATE	APP. NO.
DESIGNED BY	APP. NO.
CHECKED BY	APP. NO.
DRAWN BY	APP. NO.
DATE	APP. NO.



WRITE DATA AND CLOCK TRANSMITTERS

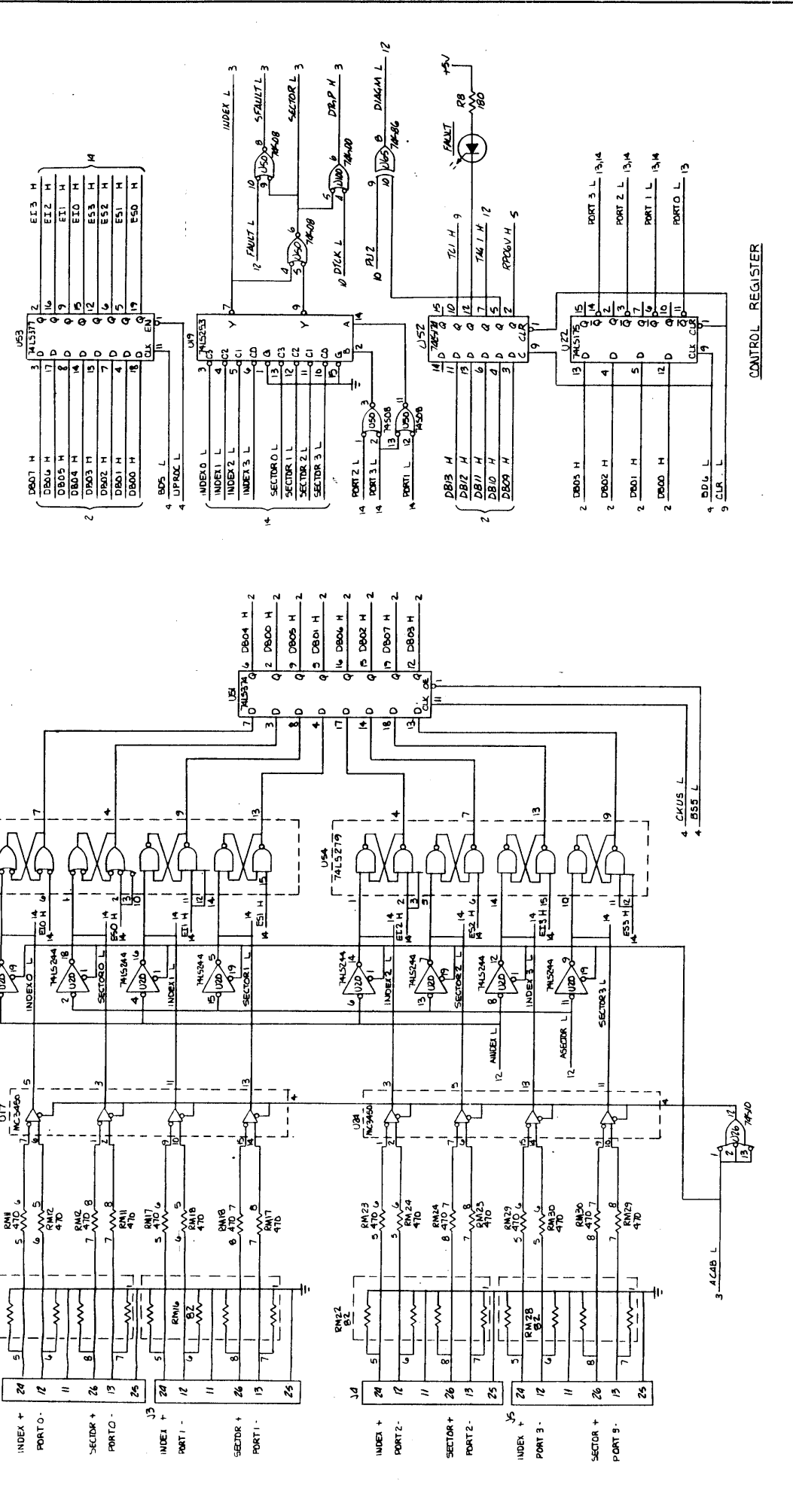


-5 VOLT SUPPLY

EMULEX CORPORATION IRVINE, CALIF.		TITLE SCHEMATIC DIAGRAM SUBDISK CONTROLLER	
DESIGNER D	DATE 5/31/60	SCALE NONE	SHEET 13 OF 14
CHECKED	APPROVED	DO NOT SCALE DRAWING	
MATERIAL		APPLICATION	
PART NO.		REV. NO.	
QUANTITY		ISSUE NO.	
DESCRIPTION		REVISIONS	

'B' CABLE RECEIVERS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
		SEE SHEET 1		



REVISIONS		DATE	APPROVED
1	SEE SHEET 1		

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO TRIMBLE & BUCKNER COMPANY. IT IS TO BE KEPT IN CONFIDENCE AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF TRIMBLE & BUCKNER COMPANY.	
DATE	11/14/74
SCALE	NONE
APP. NO.	
DO NOT SCALE DRAWING	

DESIGN	CHK'D BY	DATE	11/14/74
ENGINEER	APPROVED		

COMP. PART NO.	SUBI10601	REV.	A
TITLE	SCHEMATIC DIAGRAM SUBI DISK CONTROLLER		
SCALE	NONE	SHEET NO.	14 OF 14

TRIMBLE & BUCKNER COMPANY  
 IRVINE, CALIF.  
 SCHEMATIC DIAGRAM  
 SUBI DISK CONTROLLER  
 COMP. PART NO. SUBI10601  
 REV. A  
 SCALE NONE  
 SHEET 14 OF 14