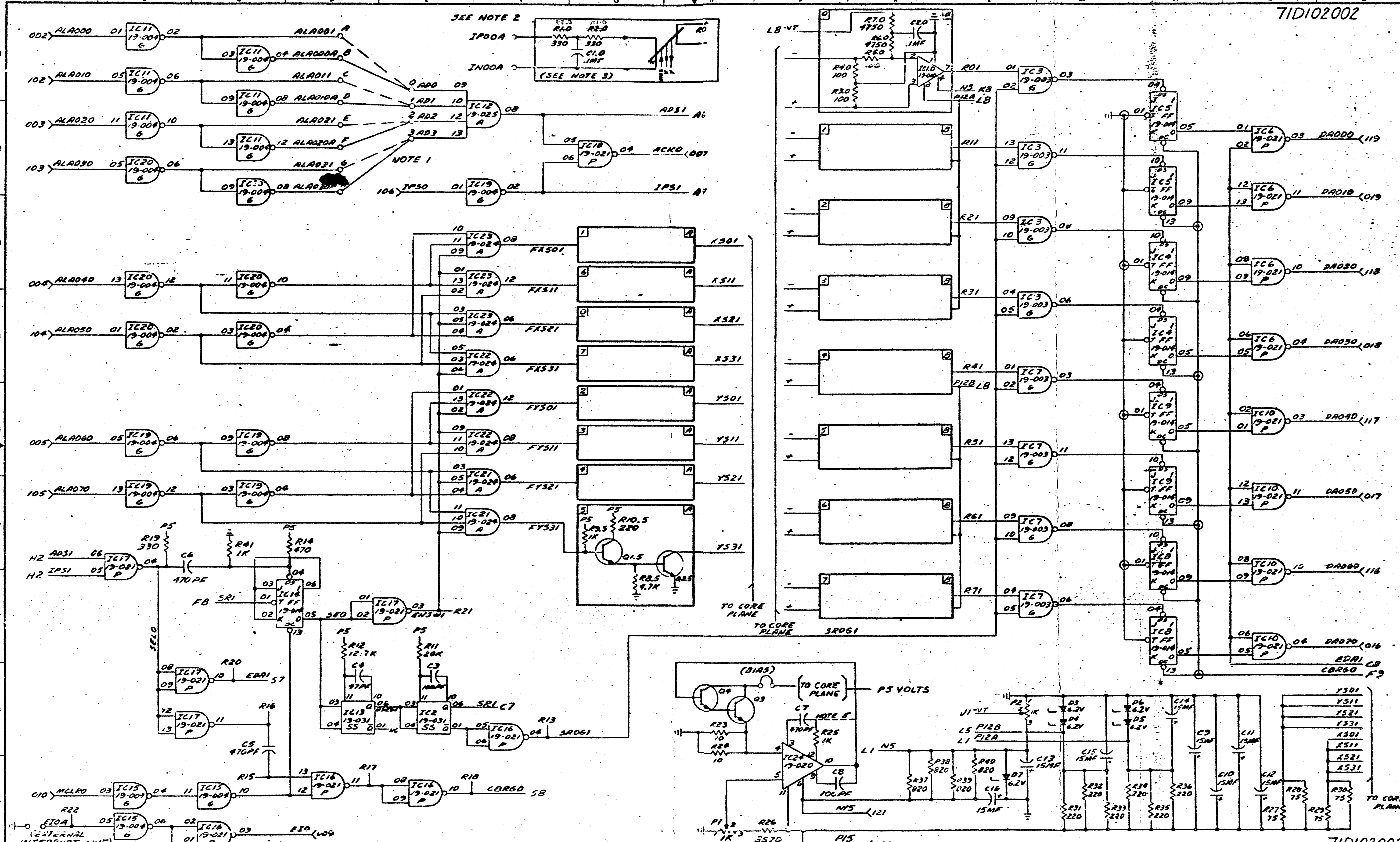
SYSTEM BDR FOR SUN STUDS, INC.

DRAWING NUMBER	DRAWING DESCRIPTION	REVISION DWG PL	TAB NAME
71D 102 002	DIG IN MODULE LOGIC		PROCESS DIGITAL I/O

INTERDATA

71D102002



NOTES

1. NORMALLY STRAPPED FOR ADDRESS Ø.
2. USER'S INPUTS (1 OF 128) SEE SHEET 2.
3. LINE FILTER 1 OF 128 R1.0 TO R1.127, R2.0 TO R2.127, C1.0 TO C1.127.
4. SEE SHEET 2 FOR REVISION INFORMATION
5. IF IC24 IS 19-037 OPAMP C8 R25 ARE NOT EQUIPPED, C7 IS 22 PF AND IS WIRED BETWEEN PINS 03 & 10 ON IC24.

71D102002

A	ISSUED Nov. 3, 1972	DIST. K7-17C33	TITLE	DATE
		D. BARKER	DRAW	3-26-70
		G. J HOMEFIELD	CHK	3-26-70
		R E. SAGER	ENGR	6-30-70
		D W YOUNG	SYS TST	7-2-70
		R E. JONES	DIV ENG	7-22-70

TITLE FUNCTIONAL SCHEMATIC DIGITAL MULTIPLEXOR INPUT MODULE

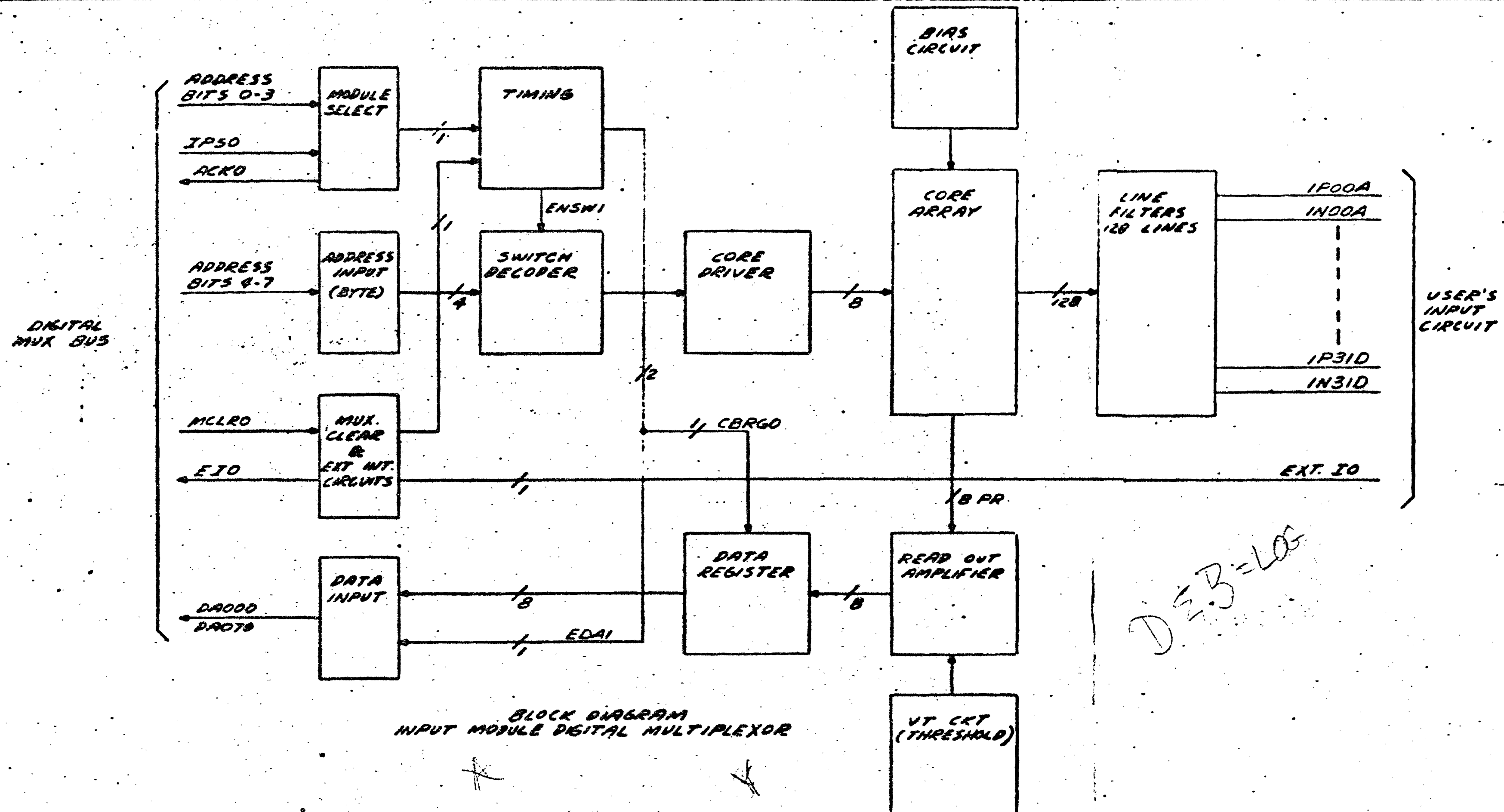
03061

02-159R02D08

SHEET 1 OF 3

71D102002

ADDED SH. 3				
RM	RS	918	[illegible] 4-6-71	RO
ADDED NOTE 5 TO SH 1; ADDED NOTE 2 TO SH3. SH2 CHANGED IC PIN DESIG [illegible] M7 [illegible] CHANGED IC [illegible] IC20 LOC C2, CHANGED DIODE DESIG. D5 [illegible] LOC M8				
RM	RS	996	[illegible]	RO
CHT [illegible] RESISTOR WAS 12.6K				
PL	JF	1124	[illegible]	RO3



BLOCK DIAGRAM
INPUT MODULE DIGITAL MULTIPLEXOR

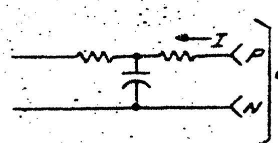
D=B=LOG

Pin	Backplane 1	Backplane 0
22	GND	PS
21	GND	PS
20	N15	P15
19	DA000	DA010
18	DA020	DA030
17	DA040	DA050
16	DA060	DA070
15	GND	GND
14		
13		
12		
11		
10		MCLR0
09		EI0
08		
07		ACK0
06		
05	ALA070	ALA060
04	ALA050	ALA040
03	ALA030	ALA020
02	ALA010	ALA000
01	GND	PS
00	GND	PS
	1	0

BACK PANEL MAP

DIGITAL ADDRESS

BIT 4	BIT 5	BIT 6	BIT 7	SEL OUTPUT MOD BYTE
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	0	0	0	8
1	0	0	1	9
1	0	1	0	10
1	0	1	1	11
1	1	0	0	12
1	1	0	1	13
1	1	1	0	14
1	1	1	1	15



CONNECTOR POLARITY

Pin	CONN. A P	CONN. A N	A/B	CONN. B P	CONN. B N	Pin	CONN. C P	CONN. C N	C/D	CONN. D P	CONN. D N	Pin
00	IP00A	IN00A	BYTE 0: BIT 0 / BIT 8	IP00B	IN00B	00	IP00C	IN00C	BYTE 4: BIT 0 / BIT 8	IP00D	IN00D	00
01	IP01A	IN01A		IP01B	IN01B	01	IP01C	IN01C		IP01D	IN01D	01
02	IP02A	IN02A		IP02B	IN02B	02	IP02C	IN02C		IP02D	IN02D	02
03	IP03A	IN03A		IP03B	IN03B	03	IP03C	IN03C		IP03D	IN03D	03
04	IP04A	IN04A		IP04B	IN04B	04	IP04C	IN04C		IP04D	IN04D	04
05	IP05A	IN05A		IP05B	IN05B	05	IP05C	IN05C		IP05D	IN05D	05
06	IP06A	IN06A		IP06B	IN06B	06	IP06C	IN06C		IP06D	IN06D	06
07	IP07A	IN07A	7 / 15	IP07B	IN07B	07	IP07C	IN07C	7 / 15	IP07D	IN07D	07
08	IP08A	IN08A	BYTE 1: BIT 0 / BIT 8	IP08B	IN08B	08	IP08C	IN08C	BYTE 5: BIT 0 / BIT 8	IP08D	IN08D	08
09	IP09A	IN09A		IP09B	IN09B	09	IP09C	IN09C		IP09D	IN09D	09
10	IP10A	IN10A		IP10B	IN10B	10	IP10C	IN10C		IP10D	IN10D	10
11	IP11A	IN11A		IP11B	IN11B	11	IP11C	IN11C		IP11D	IN11D	11
12	IP12A	IN12A		IP12B	IN12B	12	IP12C	IN12C		IP12D	IN12D	12
13	IP13A	IN13A		IP13B	IN13B	13	IP13C	IN13C		IP13D	IN13D	13
14	IP14A	IN14A		IP14B	IN14B	14	IP14C	IN14C		IP14D	IN14D	14
15	IP15A	IN15A	7 / 15	IP15B	IN15B	15	IP15C	IN15C	7 / 15	IP15D	IN15D	15
16	IP16A	IN16A	BYTE 2: BIT 0 / BIT 8	IP16B	IN16B	16	IP16C	IN16C	BYTE 6: BIT 0 / BIT 8	IP16D	IN16D	16
17	IP17A	IN17A		IP17B	IN17B	17	IP17C	IN17C		IP17D	IN17D	17
18	IP18A	IN18A		IP18B	IN18B	18	IP18C	IN18C		IP18D	IN18D	18
19	IP19A	IN19A		IP19B	IN19B	19	IP19C	IN19C		IP19D	IN19D	19
20	IP20A	IN20A		IP20B	IN20B	20	IP20C	IN20C		IP20D	IN20D	20
21	IP21A	IN21A		IP21B	IN21B	21	IP21C	IN21C		IP21D	IN21D	21
22	IP22A	IN22A		IP22B	IN22B	22	IP22C	IN22C		IP22D	IN22D	22
23	IP23A	IN23A	7 / 15	IP23B	IN23B	23	IP23C	IN23C	7 / 15	IP23D	IN23D	23
24	IP24A	IN24A	BYTE 3: BIT 0 / BIT 8	IP24B	IN24B	24	IP24C	IN24C	BYTE 7: BIT 0 / BIT 8	IP24D	IN24D	24
25	IP25A	IN25A		IP25B	IN25B	25	IP25C	IN25C		IP25D	IN25D	25
26	IP26A	IN26A		IP26B	IN26B	26	IP26C	IN26C		IP26D	IN26D	26
27	IP27A	IN27A		IP27B	IN27B	27	IP27C	IN27C		IP27D	IN27D	27
28	IP28A	IN28A		IP28B	IN28B	28	IP28C	IN28C		IP28D	IN28D	28
29	IP29A	IN29A		IP29B	IN29B	29	IP29C	IN29C		IP29D	IN29D	29
30	IP30A	IN30A		IP30B	IN30B	30	IP30C	IN30C		IP30D	IN30D	30
31	IP31A	IN31A	7 / 15	IP31B	IN31B	31	IP31C	IN31C	7 / 15	IP31D	IN31D	31
	0	1		0	1		0	1		0	1	

INPUT MODULE CONNECTORS

71D102002

NOTES

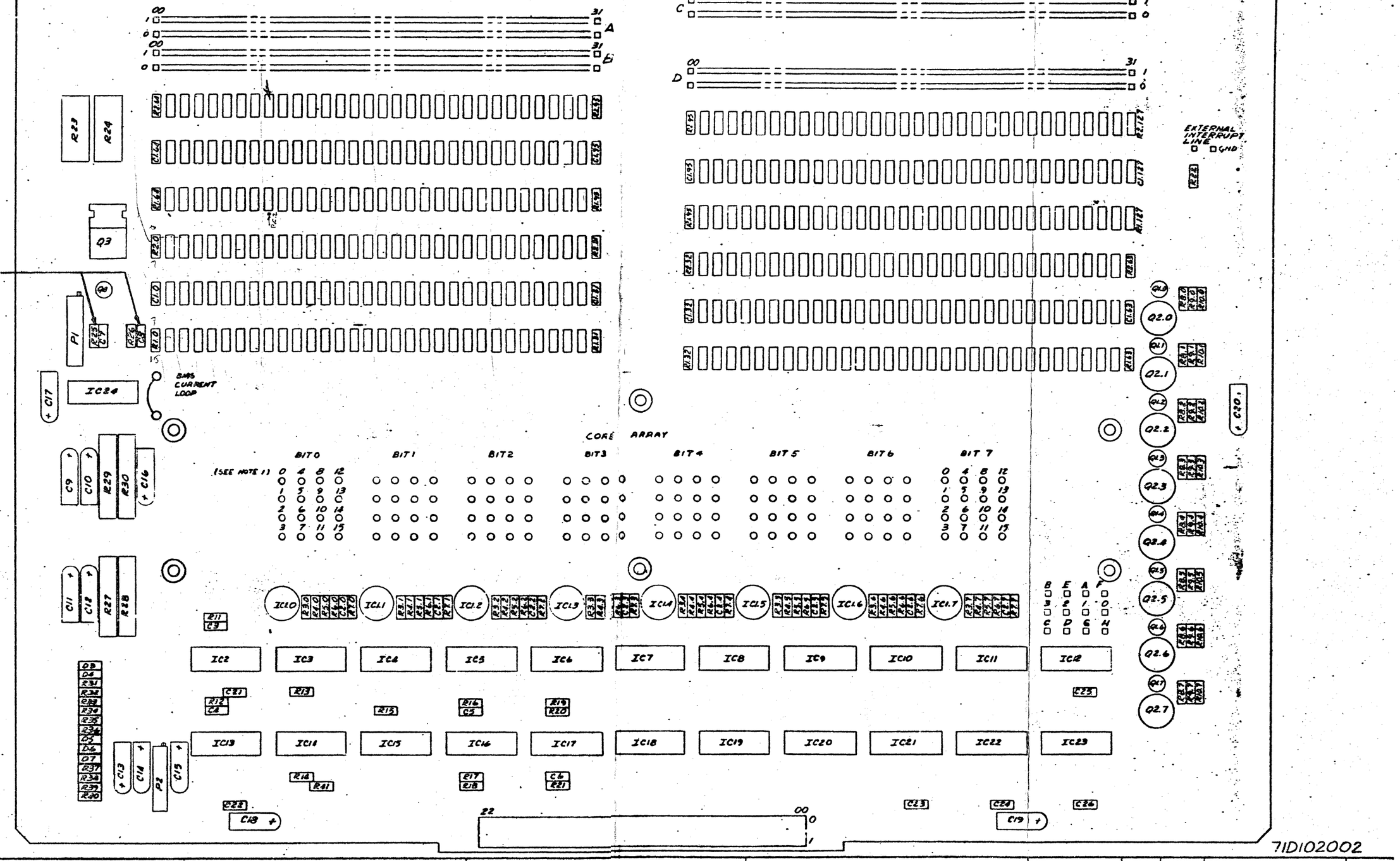
TITLE	FUNCTIONAL SCHEMATIC DIGITAL MULTIPLEXOR INPUT MODULE
	03061
	02-159R03008
SHEET	2 - 3

SYS TST

Jan. 3 1972

INTERDATA

71D102002



71D102002

NOTES

1. 0 TO 15 DENOTES BYTE NUMBER.
2. R25, AND C8 ARE NOT USED ON 35-211 R03 AND HIGHER REVISIONS

NAME	TITLE	DATE	TITLE
	DRAFT		COMPONENT LOCATOR DIGITAL MULTIPLEXOR INPUT MODULE
	CHK.		
	ENGR		
			03061
	DIR ENG		02-159 R03D08
			SHEET 3-3

Rev. 3/1972