

DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS															
				B	B	D	E	F	F	H	J								
D-LIA-M7819-0-0	5		8 LINE EIA ASYNCHRONOUS MUX	B	B	D	E	F	F	H	J								
P-PL-M7819-0-0	4		8 LINE EIA ASYNCHRONOUS MUX	B	C	D	E	F	F	H	J								
D-CS-M7819-0-1	15		8 LINE EIA ASYNCHRONOUS MUX	B	C	D	E	F	F	H	J								
D-AH-M7819-0-5	1		8 LINE EIA ASYNCHRONOUS MUX	B	B	C	D	E	E	H	E								
		5011820	ETCHED BOARD	C	C	C	D	E	E	E	E								
M7819-0-L			P.C. DESIGN DATA BASE	REF	-	-	-	-	-	-	-								
M7819-0-PL			INSERTION P/L DATA BASE	REF	-	-	-	-	-	-	-								
B-MH-M7819-0-6	2		MODULE ECO HISTORY	REF	-	-	-	E	E	H	J								
D-BD-M7819-0-8	1		M7819 BLOCK DIAGRAM	A	A	A	A	A	A	A	A								
A-SP-M7819-0	3		SPECIFICATION	-	-	-	-	-	-	-	*								

NOTES:

REVISIONS	DATE	CHG NO	REV	B	C	D	E	F	H	J
				1/24/76	00001					
8-76	00002									
1/24/76	00003									
7/27/76	00004									
8/76	00005									
9/76	MK006									
9/76	MK007									

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USED ON OPTION/MODEL	DRN: P. Kypriac 3-2-76	TITLE: 8 LINE EIA ASYNCHRONOUS MUX
	CHKD: P. Kypriac 3-2-76	SIZE CODE: BDD NUMBER: M7819-0
	ENG: R. Wall 3-2-76	REV: J
	PROD: R. Wall 3-2-76	SHEET 1 OF 2

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY/VARIATION

NOTES:

MADE BY *R. Koppenal* CHECKED *W. J. G. L...* SECTION
 DATE *3-1-76* DATE *3-2-76*
 ENG *W. J. G. L...* PROD *R. Wall* ISSUED SECTION
 DATE *3-2-76* DATE *3-2-76*

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY/VARIATION								REF DESIGNATION	
				M7819-00	M7819-YA	M7819-YB	M7819-YC						
1.		5011820	ETCH BOARD	1	1	1	1						
2.		1000025	CAP, 560PF, 100V, 5%	2	2	2	2						C92, C53
3.		1000018	CAP, 120PF, 100V, 5%	2	2	2	2						C99, C96
4.		1000024	CAP, 470PF, 100V, 5%	26	26	26	26						C93, C100-122, C131, C132
5.		1000042	CAP, 1000PF, 100V, 5%	1	1	1	1						C98
6.		1001610-00	CAP, 01UF, 50V	91	91	91	91						C1-C52, C54-C91, C130
7.		1000010	CAP, 39PF, 100V, 5%	1	1	1	1						C97
8.		1005306	CAP, 6.8UF, 35V, 10%	6	6	6	6						C123-C126, C128, C129
9.		1000021	CAP, 220PF, 100V, 5%	1	1	1	1						C95
10.		1000023	CAP, 330PF, 100V, 5%	1	1	1	1						C94
11.		1105796	DIODE, IN4004	2	2	2	2						D1, D5
12.		1109943	DIODE, IN4733A	2	2	2	2						D2, D6
13.		1103340	DIODE, IN4736A	2	2	2	2						D3, D7
14.		1101938	DIODE, IN4370A	2	2	2	2						D4, D8
15.		1905547	IC, 7474	1	1	1	1						E96
16.		1909705	IC, 8881	1	1	1	1						E72
17.		1910091	IC, 7437	2	2	2	2						E24, E68
18.		1910322	IC, 1488L	4	4	4	4						E7 - E10
19.		1910323	IC, 1489L	6	6	6	6						E1 - E6
20.		1910454	IC, 9318	1	1	1	1						E82
21.		2114137-50	IC UART	8	8	8	8						E44 - E51

ECO. NO.
 0001
 0002
 0003
 0004
 MK004
 MK007

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TITLE: 8 LINE EIA ASYNCHRONOUS MUX

ASSY NO. D-UA-M7819-0-0

SHEET 1 OF 4

SIZE B CODE PL NUMBER M7819-0-0 REV. J

INSERTION PARTS LIST DATA BASE REV

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

NOTES:

MADE BY R. Koppenal
 DATE 3-1-76
 ENG W. A. Corney
 DATE 3-2-76

CHECKED W. A. Corney
 DATE 3-2-76
 PROD R. W. All
 DATE 3-2-76

SECTION
 ISSUED SECTION

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION												REF DESIGNATION
				M7819-00	M7819-YA	M7819-YB	M7819-YC									
22.		1910951	IC, 9602	2	2	2	2									E78, E106
23.		1911116	IC, 8837	1	1	1	1									E70
24.		1911579	IC, 8641	4	4	4	4									E28, E29, E36, E37
25.		1912083	IC, 8647	2	2	2	2									E89, E90
26.		1912395	IC, 8136	3	3	3	3									E61, E71, E90
27.		1912799	IC, 74LS00	4	4	4	4									E23, E73, E76, E99
28.		1912801	IC, 74LS02	1	1	1	1									E108
29.		1912803	IC, 74LS04	3	5	5	5									E13, E14, E86, E101, E12
30.		1912805	IC, 74LS08	4	4	4	4									E63, E65, E87, E107
31.		1912807	IC, 74LS10	1	1	1	1									E97
32.		1912811	IC, 74LS21	1	1	1	1									E69
33.		1912816	IC, 74LS32	2	2	2	2									E100, E84
34.		1912824	IC, 74LS74	4	4	4	4									E77, E85, E88, E109
35.		1912830	IC, 74LS90	1	1	1	1									E66
36.		1912842	IC, 74LS138	2	2	2	2									E74, E75
37.		1912844	IC, 74LS151	2	2	2	2									E91, E92
38.		1912845	IC, 74LS153	8	8	8	8									E30 - E33, E38 - E41
39.		1912846	IC, 74LS155	3	3	3	3									E83, E94, E95
40.		1912847	IC, 74LS157	5	5	5	5									E19-22, E102
41.		1912853	IC, 74LS175	13	13	13	13									E15-18, E26, E27, E34, E35, E42, E43, E93, E98, E104

E.C.O. NO. _____

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TITLE
 8 LINE EIA ASYNCHRONOUS MUX

ASSY NO.
 D-UA-M7819-0-0
 SHEET 2 OF 4

SIZE CODE
 B PL
 NUMBER
 M7819-0-0
 INSERTION PARTS LIST DATA BASE REV

REV.
 J

MK

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

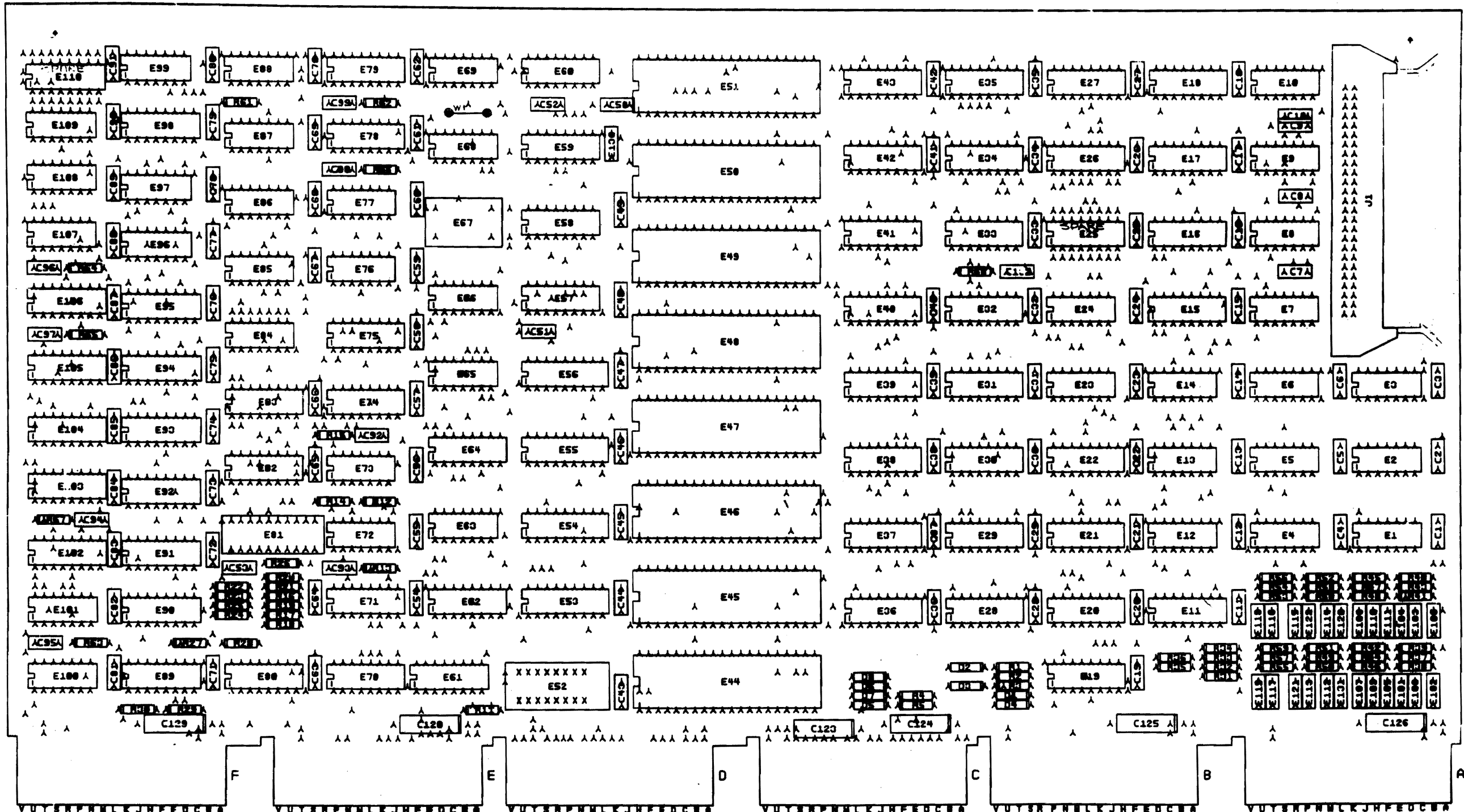
QUANTITY / VARIATION

NOTES:

MADE BY <i>R. Hoppenal</i>	CHECKED <i>[Signature]</i>	SECTION
DATE <i>3-1-76</i>	DATE <i>3-2-76</i>	
ENG <i>[Signature]</i>	PROD <i>R. Wall</i>	ISSUED SECTION
DATE <i>3-2-76</i>	DATE <i>3-2-76</i>	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION												REF DESIGNATION	
				M7819-00	M7819-YA	M7819-YB	M7819-YC										
62		5408778	PRIORITY 5 INSERT	1	1	1	1										PLUG INTO E52
63		9006735	SPLIT LUG	2	2	2	2										
64		900624-01	EYELETS	12	12	12	12										
65		9009185	JUMPER, INSULATED	1	1	1	1										W1
66		1811660-02	OSCILLATOR, 5.068 MHz	1	-	-	-										E67
67		1811660-08	OSCILLATOR, 2.619 MHz	-	1	-	-										E67
68		1811660-09	OSCILLATOR, 3.0737 MHz	-	-	1	-										E67
69		2M123A-00	OSCILLATOR, 3.3792 MHz	-	-	-	1										E67

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	SHEET 4 OF 4						INSERTION PARTS LIST DATA BASE REV								



NOTES:

1. 8 HOLES 0.016 (4-080-080) MOUNT ONLY

CHANGE NO	REV	DATE	BY	CHK'D	APP'D
1	1	11/19/77	W. LEVASSEUR		

MOLE DATA		+		X		E		W		A		D		S	
SYMBOL															
FIN HOLE SIZE	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016	0.016
PLATED	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NON PLATED															
QTY.	2012	18	2												
OFF CAD HLE															
DRILL SIZE															
USE BOARD UNLESS SPECIFIED															

BOARD FABRICATION INFORMATION	
PANEL SIZE	MEA 8.50 X 17.00
PANEL DATA	DWG. 8 E-MD-7606098-0-0
PANEL MAT'L	PL-07-052-C 1/1
DEC PS	- 15000
QTY. OF LAYERS	4
PTH. X PRINT AND ETCH	
SOLDER MASK Y SIDE & Y BOTH SIDES	
GOLD CONTACTS Y BOTTOM Y TOP	

SIGNATURES		DATE
DRAWN	RA LEVASSEUR	11/19/77
CHK'D		
ENG.		
PROJ. ENG.		
PROD.		
SCALE	2:1	
SHT.	OF 5	
NEXT NUMBER ASSY.	B-DD-17819-0	

digital

WTLg LINE E1A

ASYN MUX

SIZE CODE NUMBER

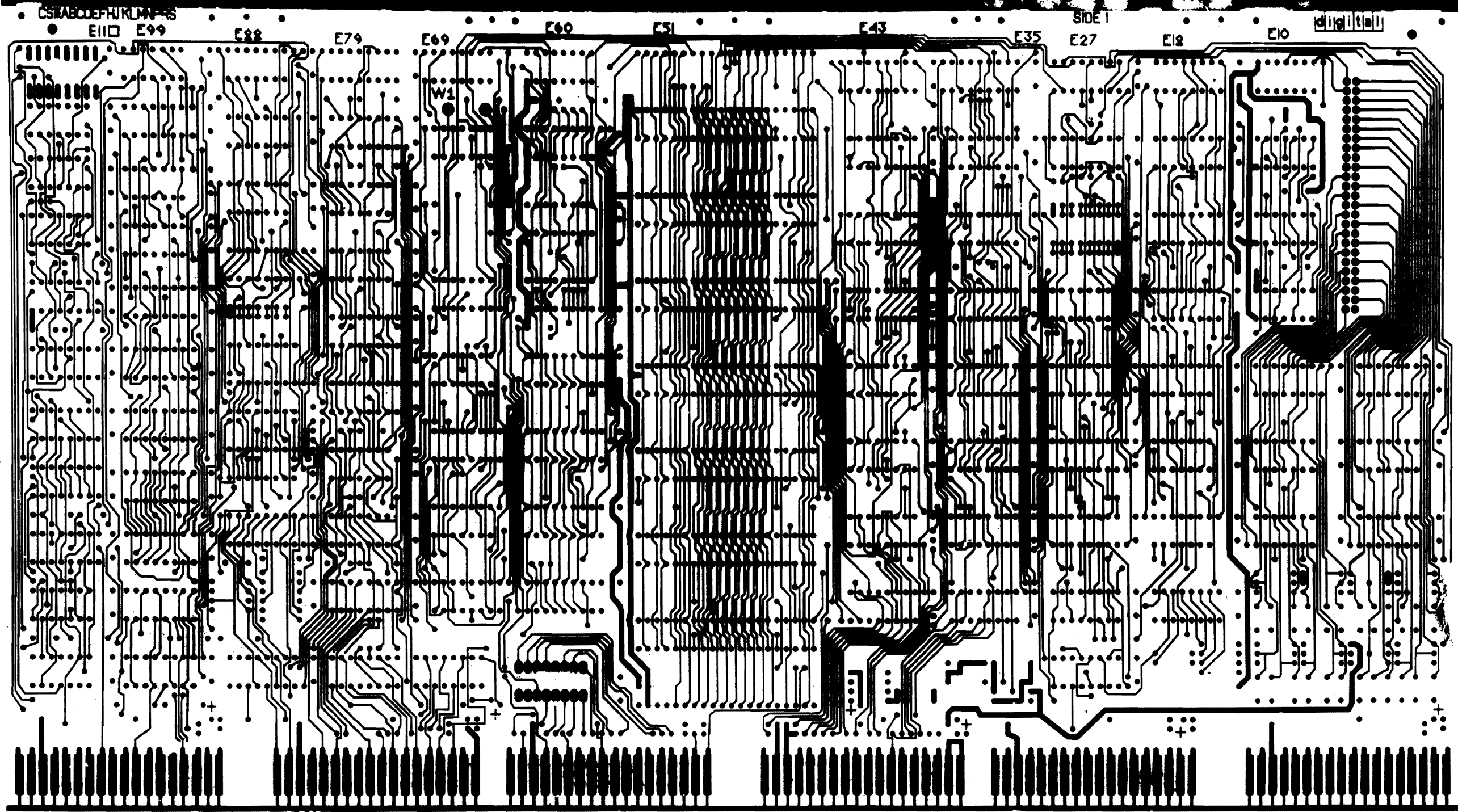
0 UA M7819-0-0

ETCH REV E-PR

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LAYER 1

M7819 501820E-P2



REVISIONS	
CHR	DATE

TITLE	B LINE EIA ASYN MUX	SIZE CODE	D U A M7819-0-	NUMBER		REV	
SCALE		SHEET	2	OF	5	DIST.	

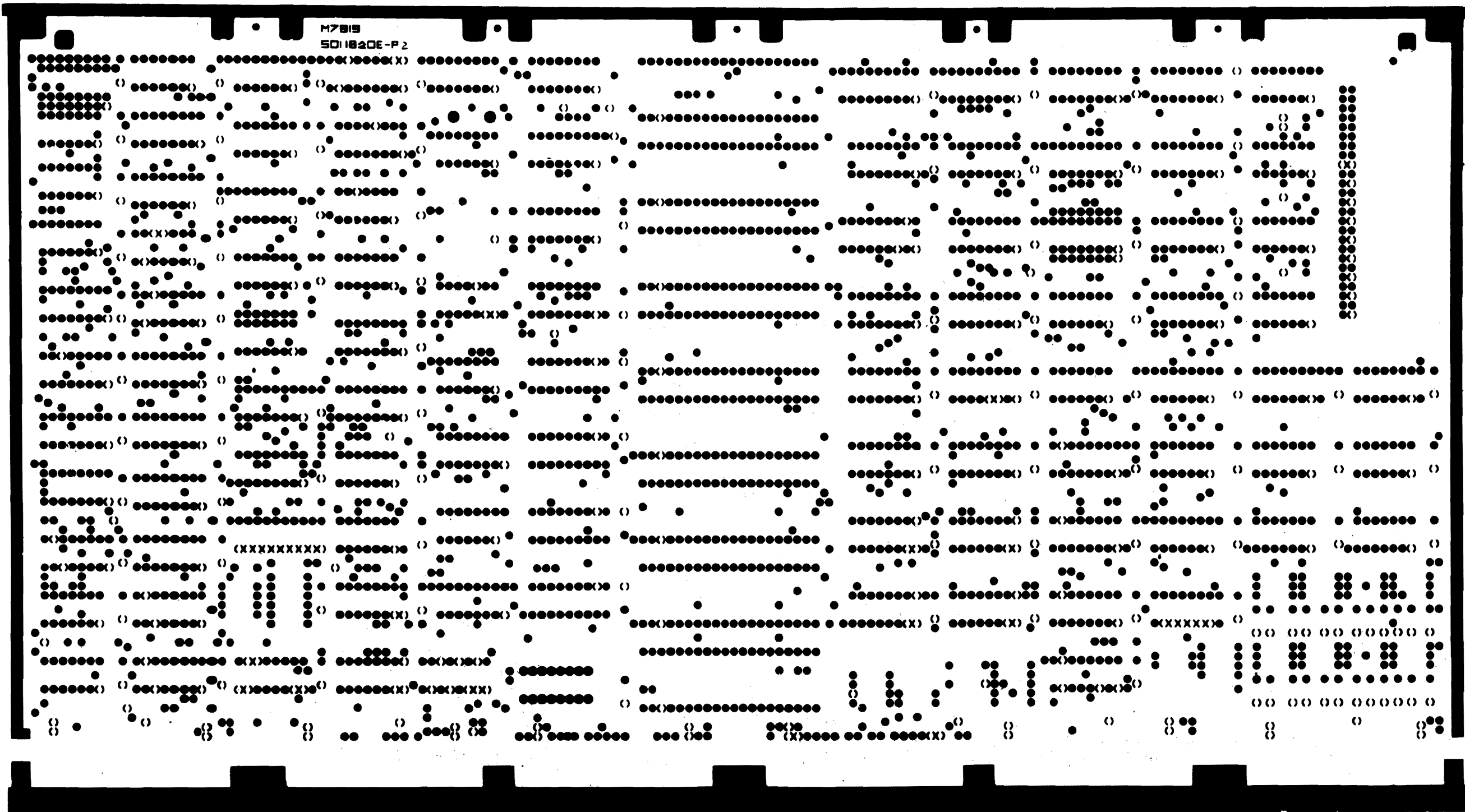
D
 C
 B
 A
 DIM M7819-0-0
 J
 I
 H
 G
 F
 E
 D
 C
 B
 A

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GND

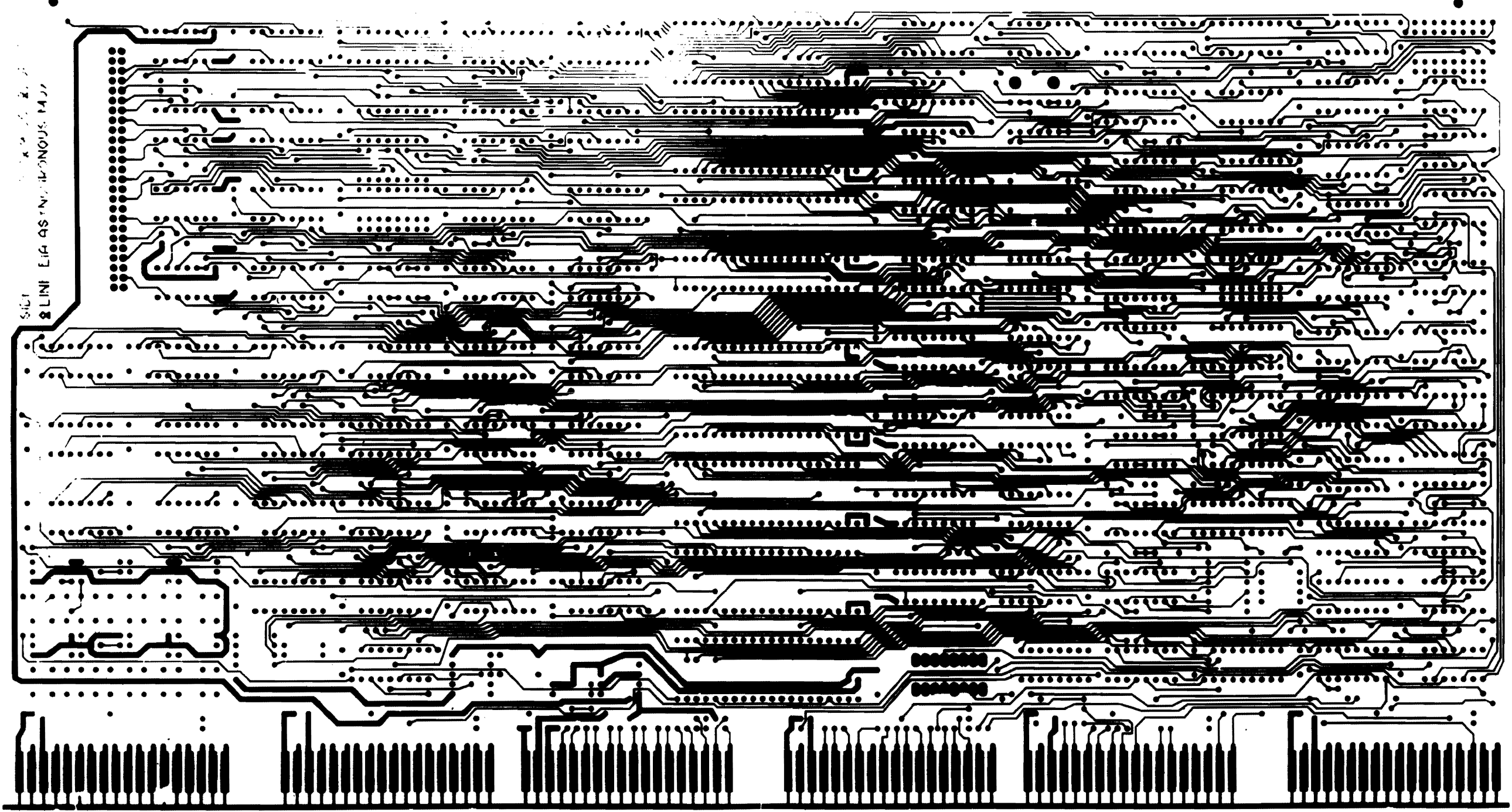
I

M7819
 5011820E-P2



REVISIONS	
NO.	DESCRIPTION

TITLE	8-LINE EIA ASYN MUX	SIZE/CODE	DMA	NUMBER	M7819-0-0
SCALE		SHEET	3	OF	5
		DIST			



5011
 LINE EIA ASYN MUX

TITLE		SIZE CODE	NUMBER
LINE EIA ASYN MUX		D	UA M 13-0-0
SCALE	SHEET 5 OF 5	DIST	

POWER & GROUND TABLE

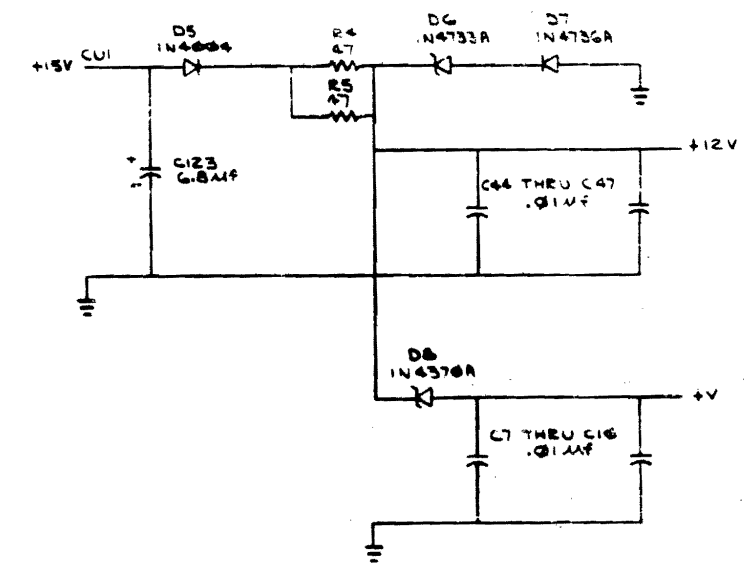
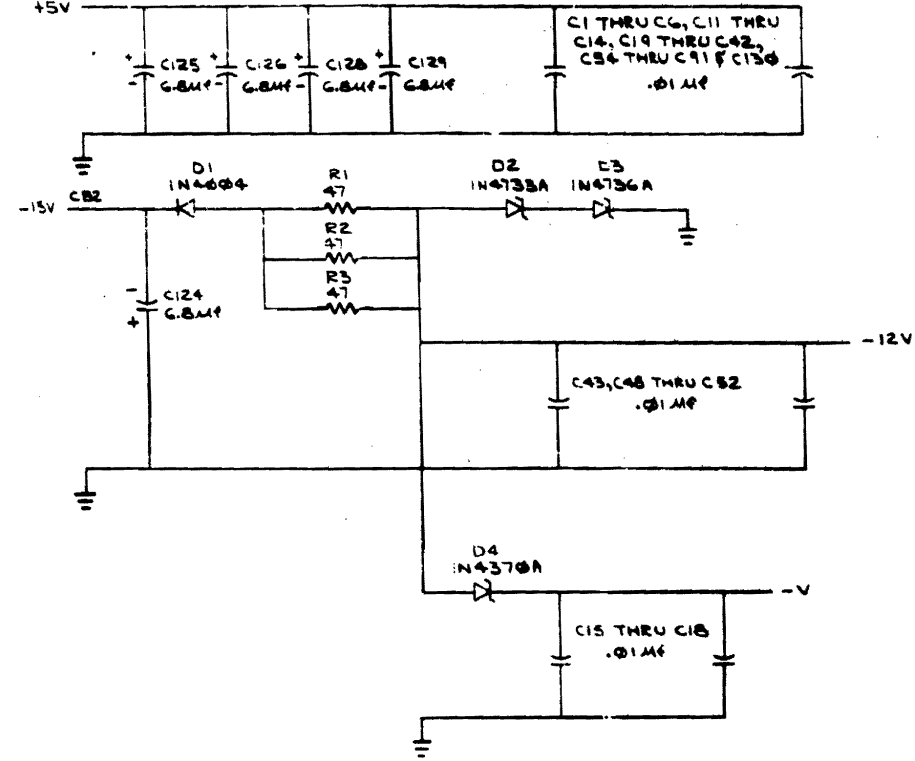
IC TYPE	GND	+5V	+12V	-12V	V+	V-
UART (1602)	PIN 5	PIN 1	---	PIN 2	---	---
DEC 8016	PIN 11	PIN 2	PIN 9	---	---	---
DEC 3341	PIN 8	PIN 16	---	PIN 1	---	---
DEC 1468	PIN 7	---	---	PIN 14	PIN 1	---
14 PIN IC'S	PIN 7	PIN 14	---	---	---	---
16 PIN IC'S	PIN 8	PIN 16	---	---	---	---
DEC 74LS90	PIN 10	PIN 5	---	---	---	---

NOTES:

1. THE 'B' AND 'D' INPUTS SHOWN ON THE 8136 LOGIC SYMBOL HAS THE FOLLOWING MEANING:
B=UNIBUS RECEIVER INPUT.
D=NORMAL TTL LOGIC INPUT.
2. THE 8136 CONTAINS SIX VOLTAGE COMPARATORS WITH A COMMON OUTPUT. EACH COMPARATOR MUST HAVE ITS 'B' AND 'D' INPUTS THE SAME, AT THE SAME TIME, FOR A TRUE (HIGH) OUTPUT.
3. WHEN A SWITCH IS CLOSED (ON) THE COMPARATOR RECOGNIZES THE RESPECTIVE UNIBUS ADDRESS BIT WHEN IT IS A LOGIC ONE (LOW). WHEN A SWITCH IS OPEN (OFF) THE COMPARATOR RECOGNIZES THE RESPECTIVE UNIBUS ADDRESS BIT WHEN IT IS A LOGIC ZERO (HIGH).
4. PRIORITY 5 IS STANDARD FOR THIS MODULE; THEREFORE E32 SHOWS THE REQUEST AND GRANT PATHS FOR PRIORITY 5.

5. WHEN A SWITCH OPEN (OFF), THE RESPECTIVE VECTOR IS @ 'ONE'; WHEN A SWITCH IS CLOSED (ON), THE RESPECTIVE VECTOR BIT IS @ 'ZERO'.

RA2, BA2, DA2, EA2, FA2



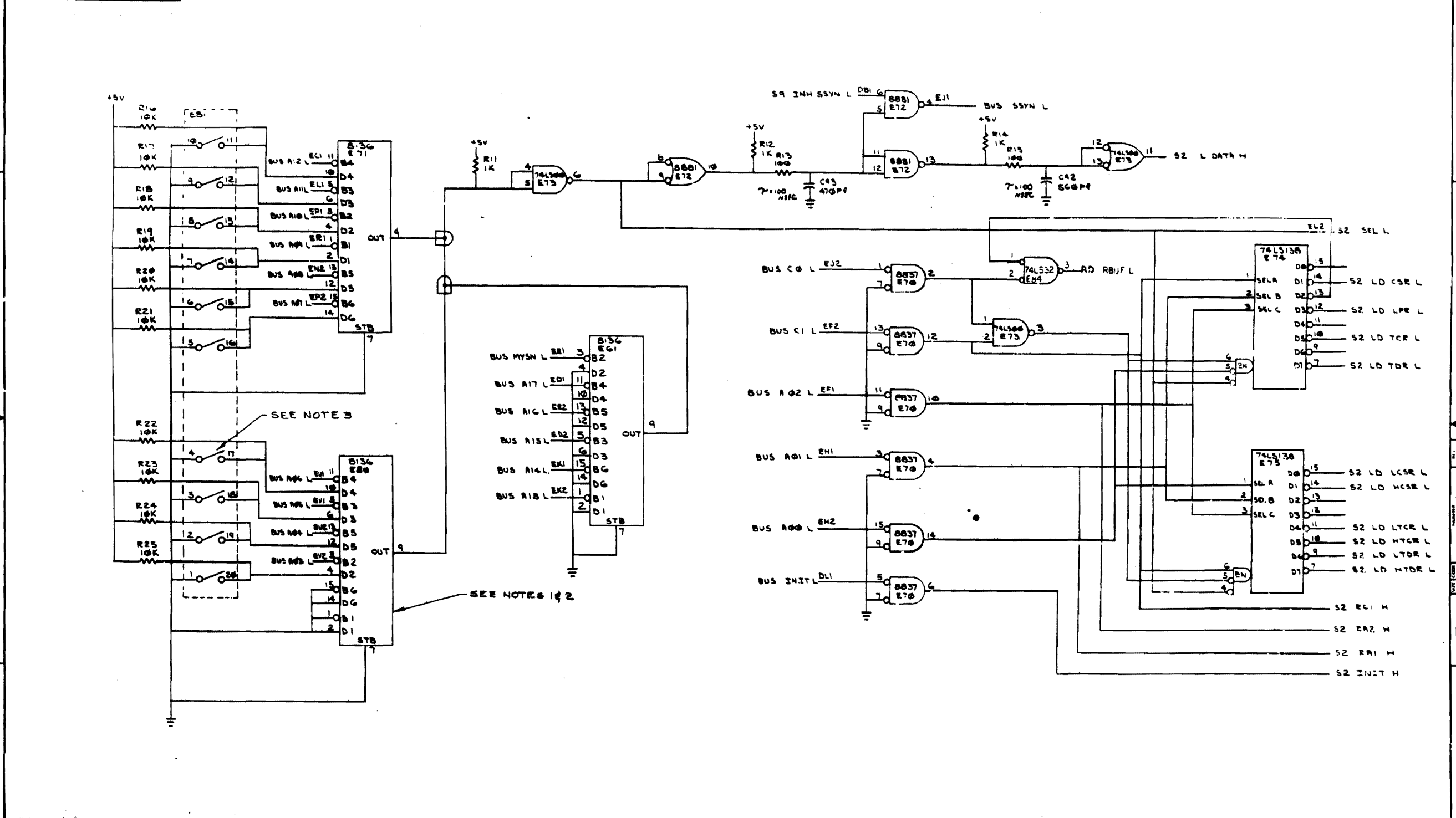
REV.	DATE	BY	CHKD.
1	1-17-76	J. ROBERTS	J. ROBERTS
2	1-22-76	R. HARRINGTON	R. HARRINGTON
3	1-22-76	R. HARRINGTON	R. HARRINGTON
4	1-22-76	R. HARRINGTON	R. HARRINGTON
5	1-22-76	R. HARRINGTON	R. HARRINGTON
6	1-22-76	R. HARRINGTON	R. HARRINGTON
7	1-22-76	R. HARRINGTON	R. HARRINGTON
8	1-22-76	R. HARRINGTON	R. HARRINGTON
9	1-22-76	R. HARRINGTON	R. HARRINGTON
10	1-22-76	R. HARRINGTON	R. HARRINGTON
11	1-22-76	R. HARRINGTON	R. HARRINGTON
12	1-22-76	R. HARRINGTON	R. HARRINGTON
13	1-22-76	R. HARRINGTON	R. HARRINGTON
14	1-22-76	R. HARRINGTON	R. HARRINGTON
15	1-22-76	R. HARRINGTON	R. HARRINGTON

(POWER AND GROUND)

DRN. 2-11-76	REV. 1	FIG. 1	8 LINE EIA ASYNCHRONOUS MUX
CHKD. 2-11-76	REV. 2	FIG. 2	
ENGR. 2-11-76	REV. 3	FIG. 3	
PROJ. 2-11-76	REV. 4	FIG. 4	
PROD. 2-11-76	REV. 5	FIG. 5	
NEXT HIGHER ASSY.	REV. 6	FIG. 6	
U-DA-M7819-0-0	REV. 7	FIG. 7	
SCALE	REV. 8	FIG. 8	
SHEET 1 OF 15	REV. 9	FIG. 9	
	REV. 10	FIG. 10	
	REV. 11	FIG. 11	
	REV. 12	FIG. 12	
	REV. 13	FIG. 13	
	REV. 14	FIG. 14	
	REV. 15	FIG. 15	

MK

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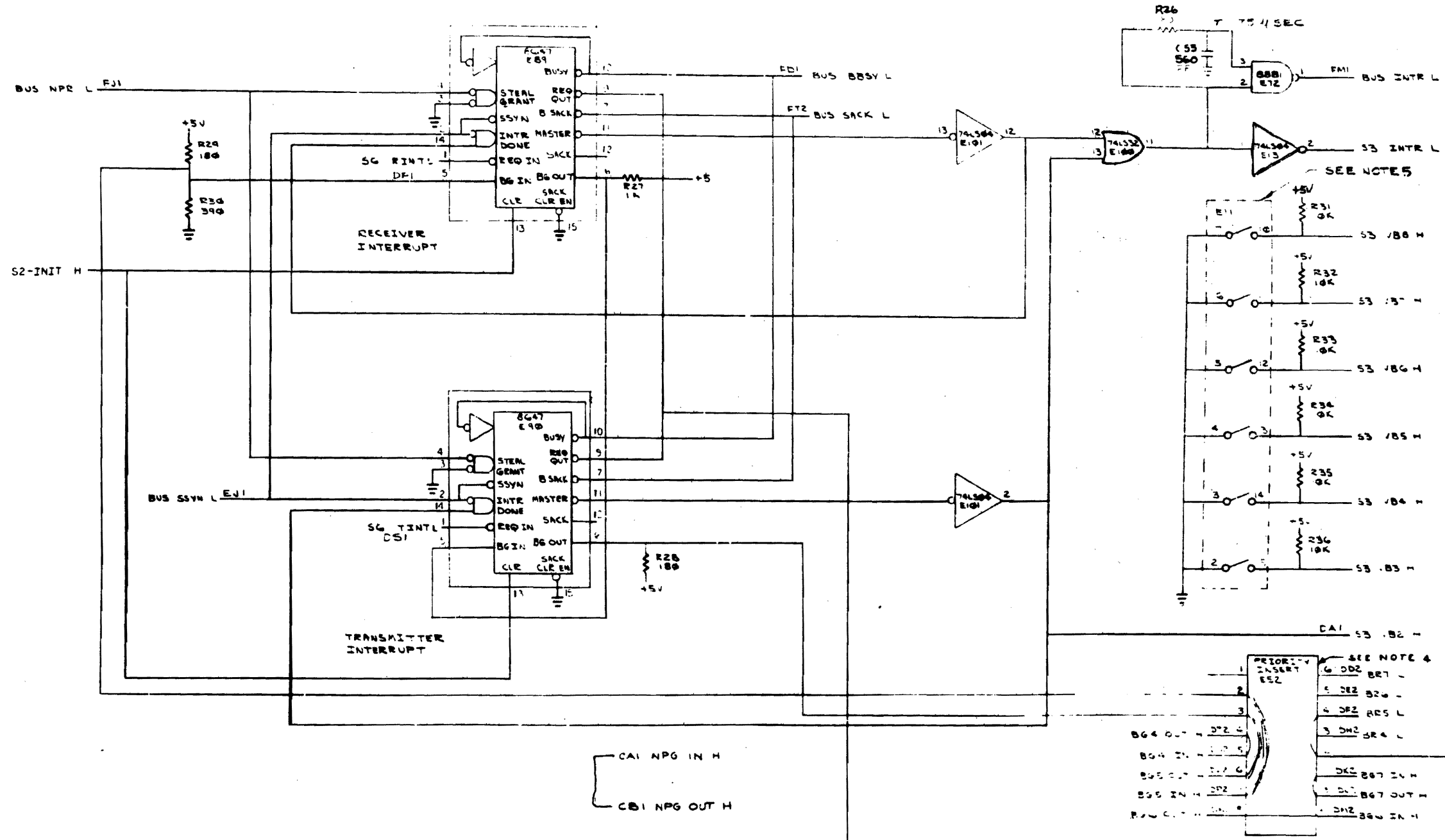
REVISIONS		
CHK	CHANGE NO	REV

ADDRESS SELECT

TITLE	ONE EDA ASYN HP IN JS	SIZE CODE	NUMB	REV
	MUX	D	3	1
DATE	SHEET	OF	DST	
	2	15		

DEC FORM NO

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(INTERRUPT CONTROL)

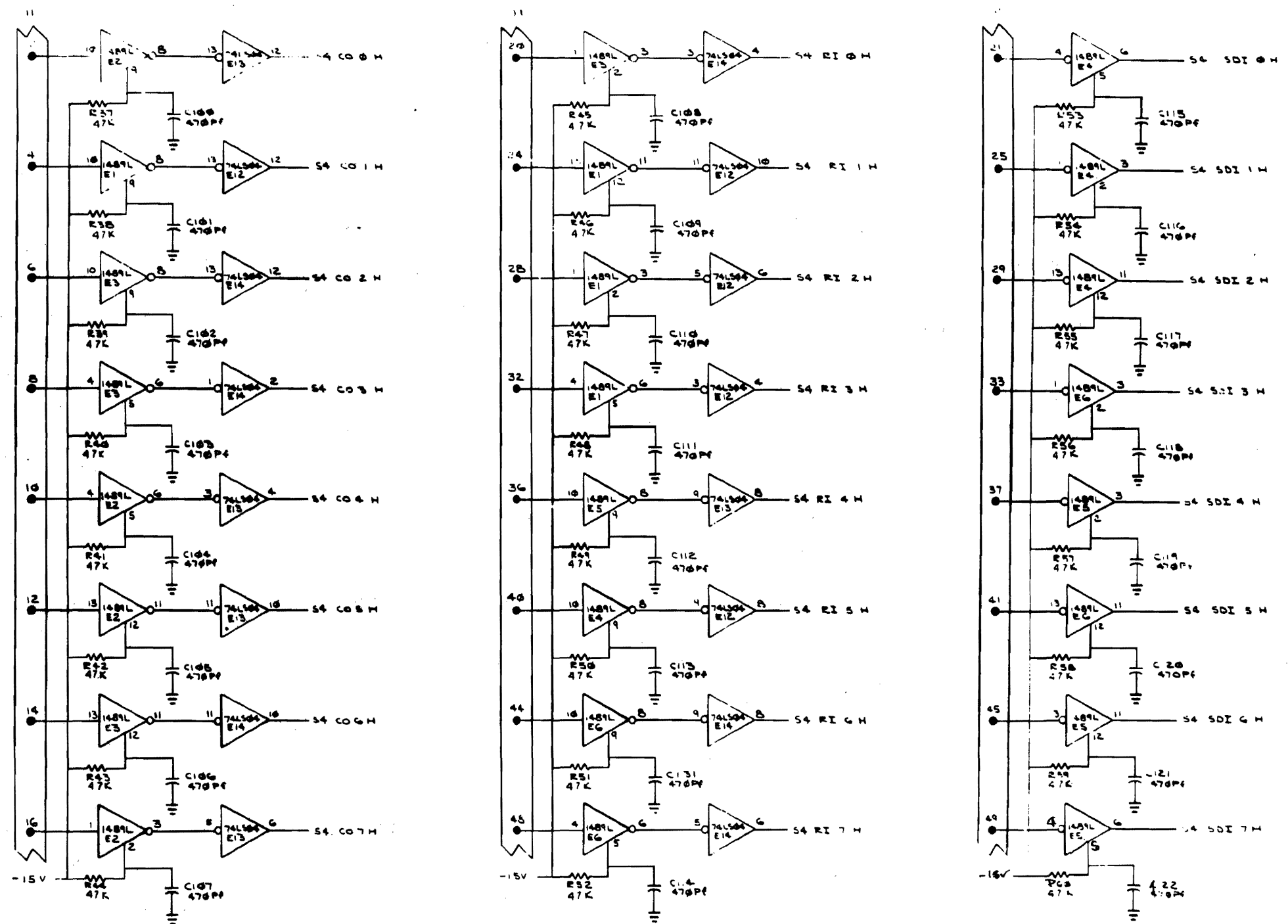
REV	NUMBER	DATE	BY	CHKD	APP'D
1	M7819-0				

SEE NOTE 4

- 6 DD2 BR7
- 5 DE2 BR6
- 4 DE2 BR5 L
- 3 DM2 BR4 L
- DC2 BR3 IN H
- DD2 BR2 IN H
- DM2 BR1 IN H

17

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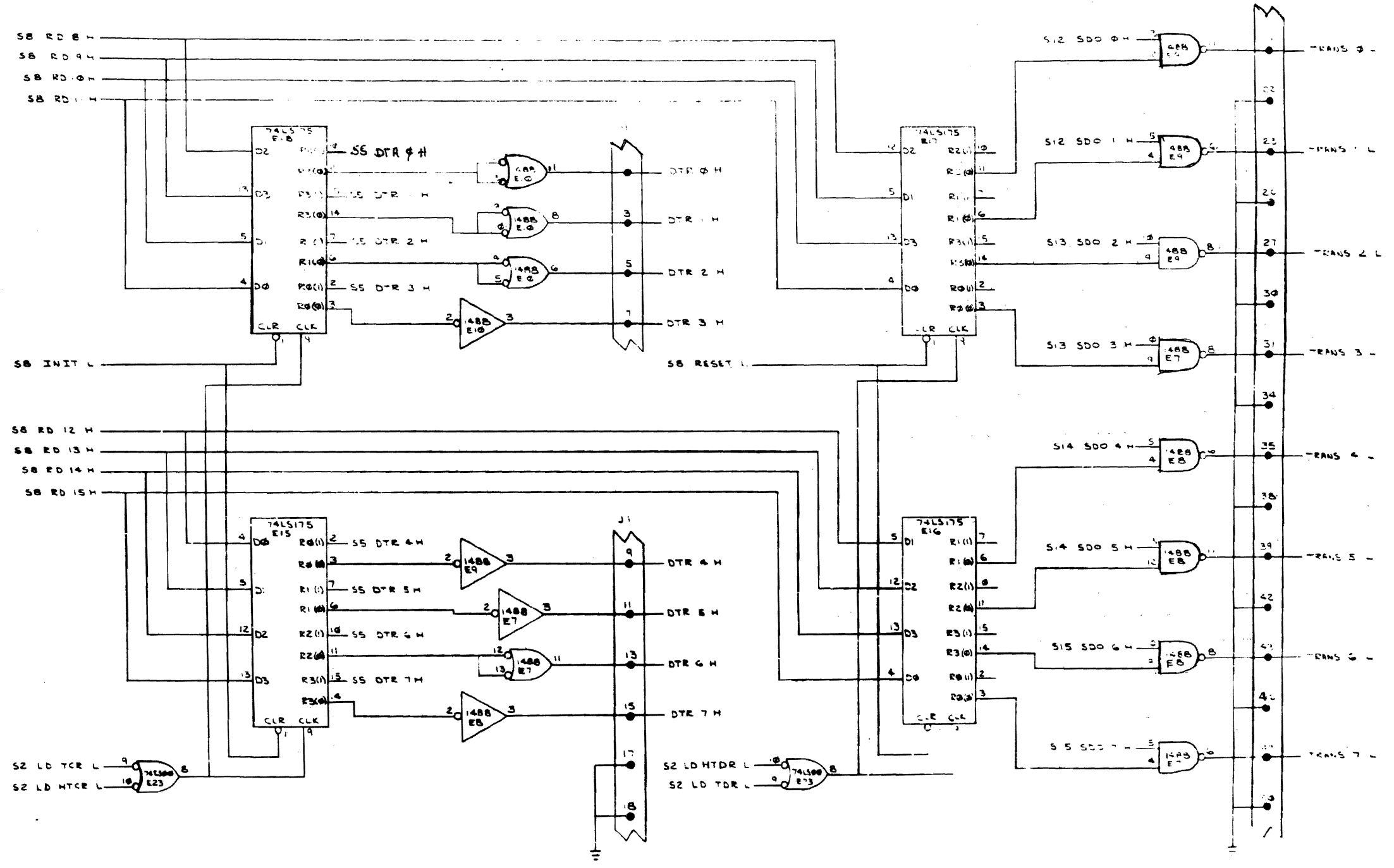


REVISIONS		
CHK	CHANGE NO	REV

TITLE		DESIGNER		NUMBER		REV	
FIA RECEIVER		DCJ		M7819-0-1		J	
DATE		SHEET		OF			
		4		5			

8 7 6 5 4 3 2 1

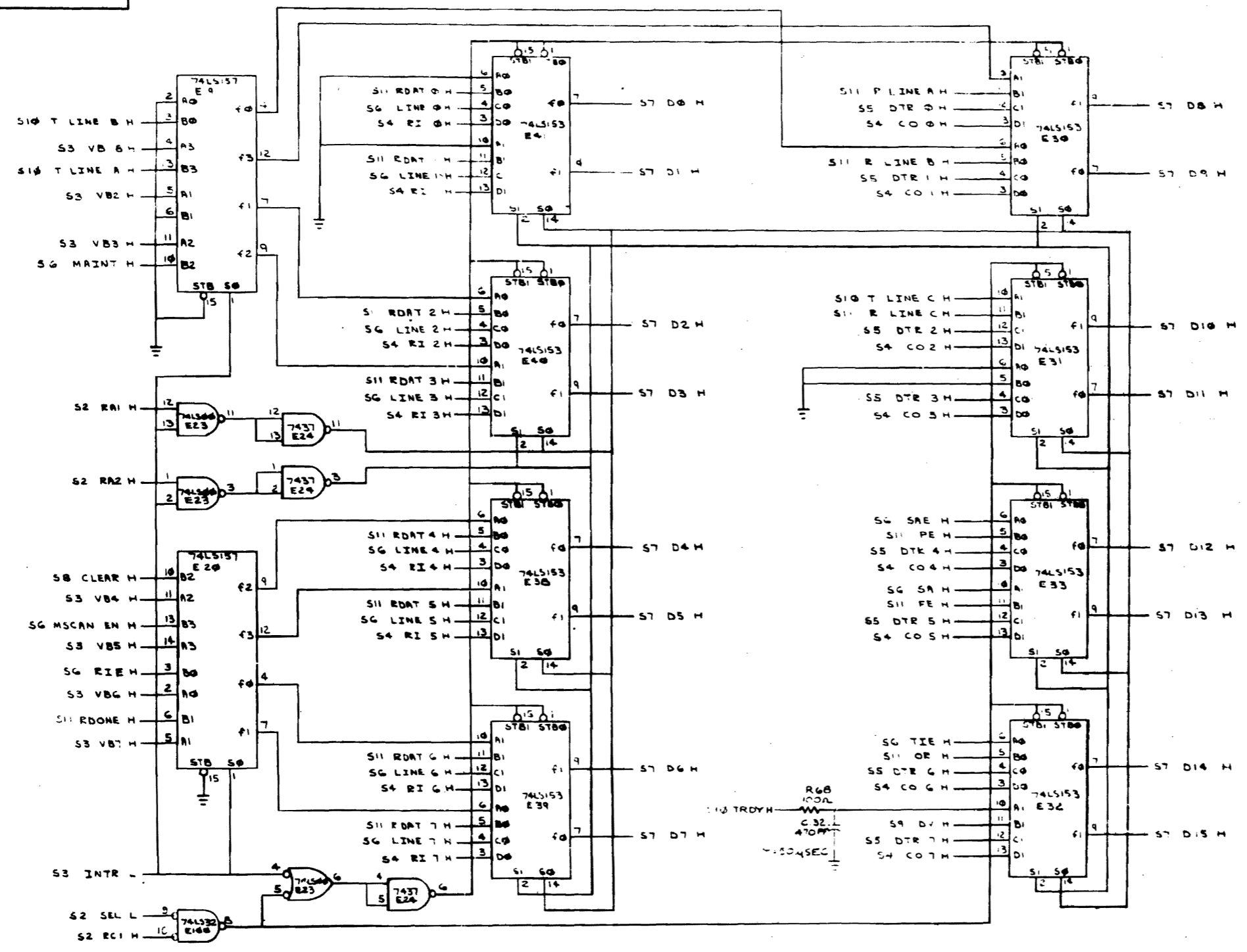
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REVISIONS		
CHK	CHANGE NO	REV

(DTR) B LINE 214 ASYNCHRONOUS MUX
 DEC: M 819-0-1
 1971

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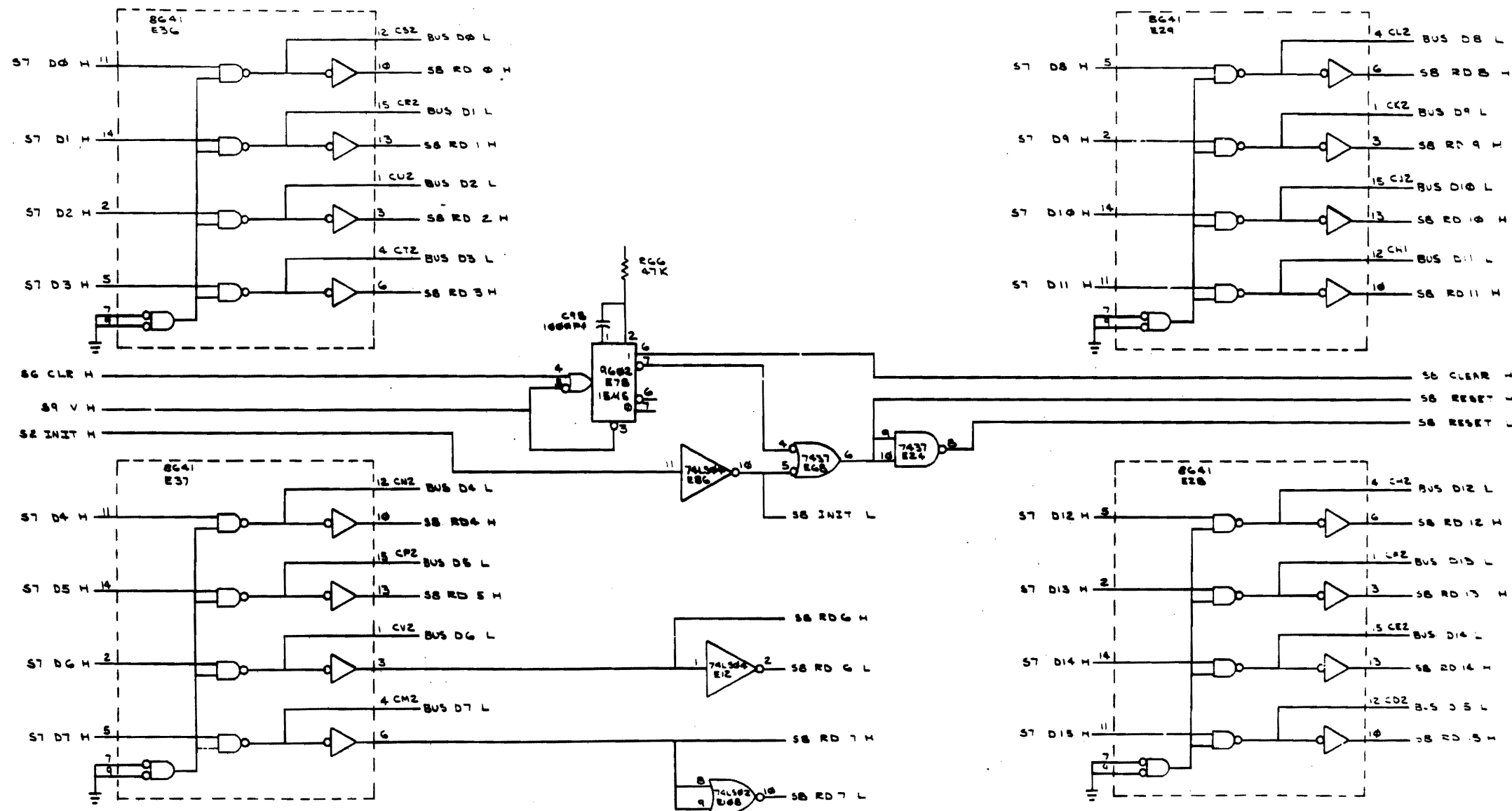


REVISIONS		
CHK	CHANGE NO	REV

(OUTPUT DATA MULTIPLEXER)

TITLE	8 LINE EIA ASYNCHRONOUS MUX	SIZE DOC#	NUMBER	REV
SCALE	1/8"	SHEET	7 OF 15	J

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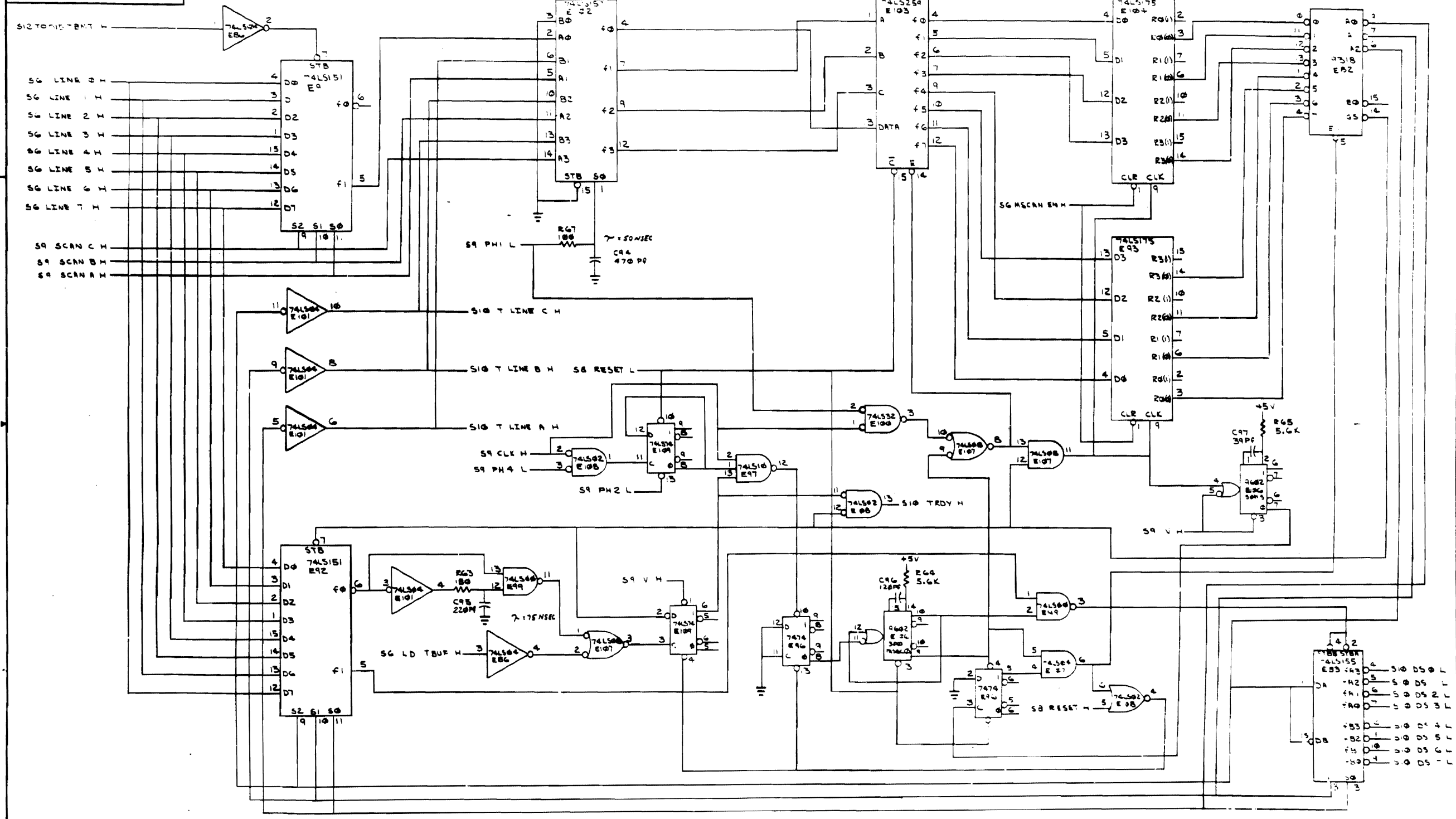


REVISIONS		
CHK	CHANGE NO	REV

(BUS TRANSCEIVERS AND RESET)

TITLE	SIZE	CODE	NUMBER	REV.
0 LINE EIA ASYNCHRONOUS	(5,9)	DCS	M7819-0-1	J
SCALE	SHEET 8 OF 15		DIST	

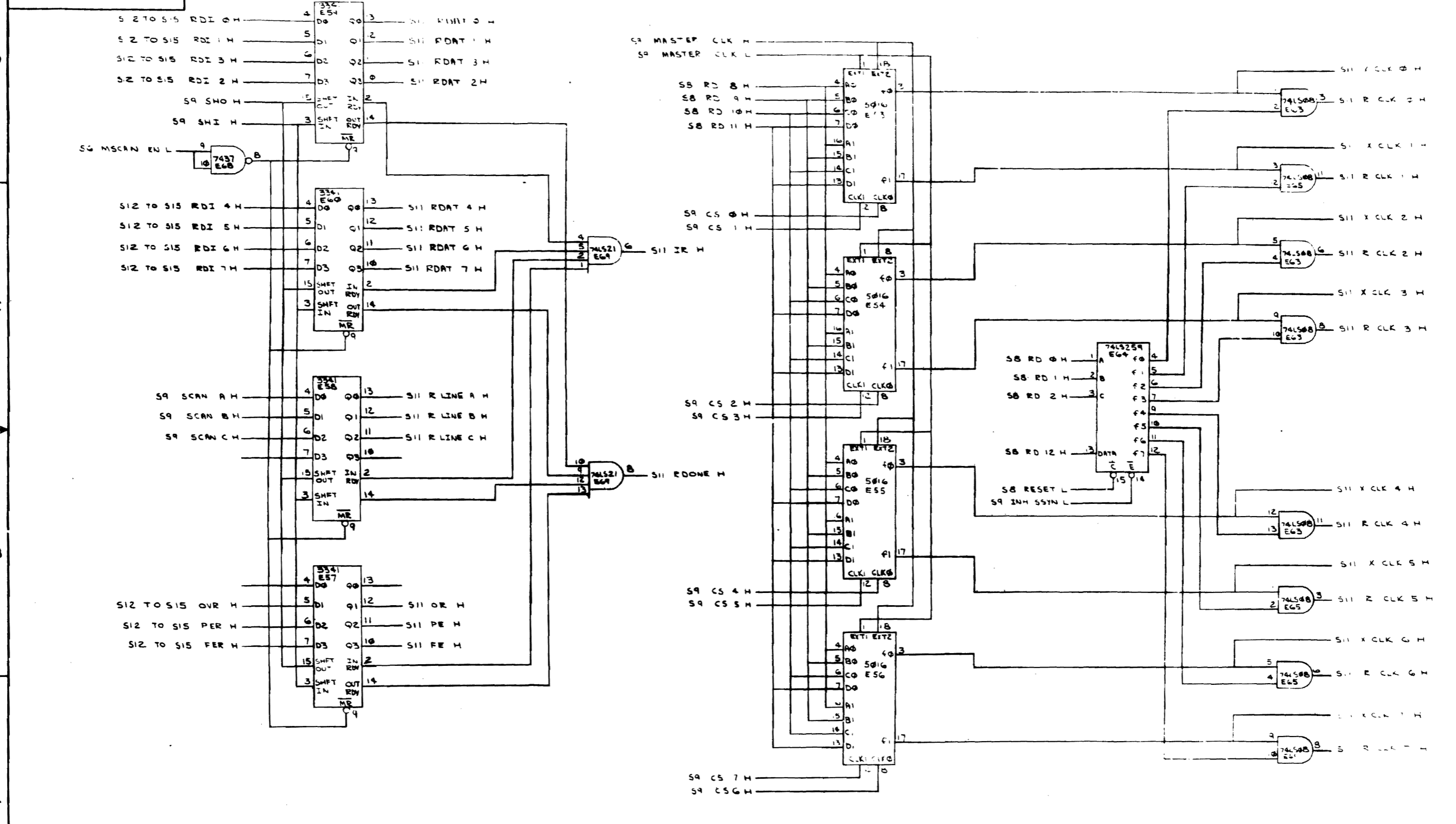
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REVISIONS		
CHK	CHANGE NO	REV

(TRANSMITTER CONTROL)			
TITLE	SIZE	NUMBER	REV
LINE EIA ASYNCHRONOUS MUX	DCS	M7-19-0-1	U
SCALE 1-1	SHEET 10 OF 15	DIST	

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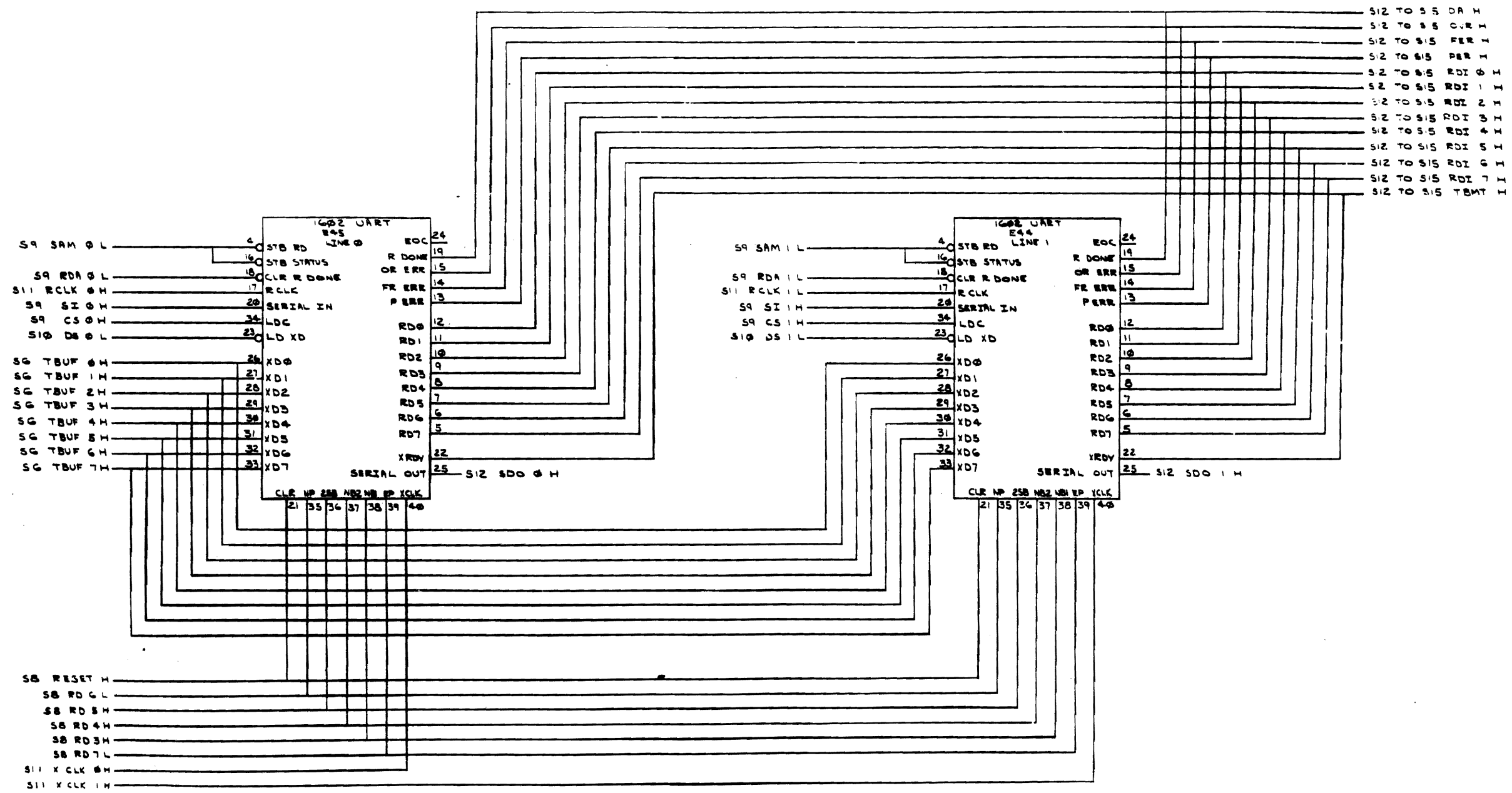
REVISIONS		
CHK	CHANGE NO	REV

TITLE AND UART CLOCKS		SIZE/CLD	NUMBER	REV

26

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1-2-6152A 2



S12 TO S15 DA H
 S12 TO S15 CUR I
 S12 TO S15 FER I
 S12 TO S15 PER I
 S12 TO S15 RDI 0 I
 S12 TO S15 RDI 1 I
 S12 TO S15 RDI 2 I
 S12 TO S15 RDI 3 I
 S12 TO S15 RDI 4 I
 S12 TO S15 RDI 5 I
 S12 TO S15 RDI 6 I
 S12 TO S15 RDI 7 I
 S12 TO S15 TBM I

REVISIONS		
CHK	CHANGE NO	REV

(TRANSFER LINES 0 & 1)

TITLE	LINE 1A ASYNCHRONOUS MUX	SIZE CODE	DCS	NUMBER	M7219-C-1	REV	J
SCALE		SHEET	12	OF	15	DIST	

DEC FORM NO. 010 138

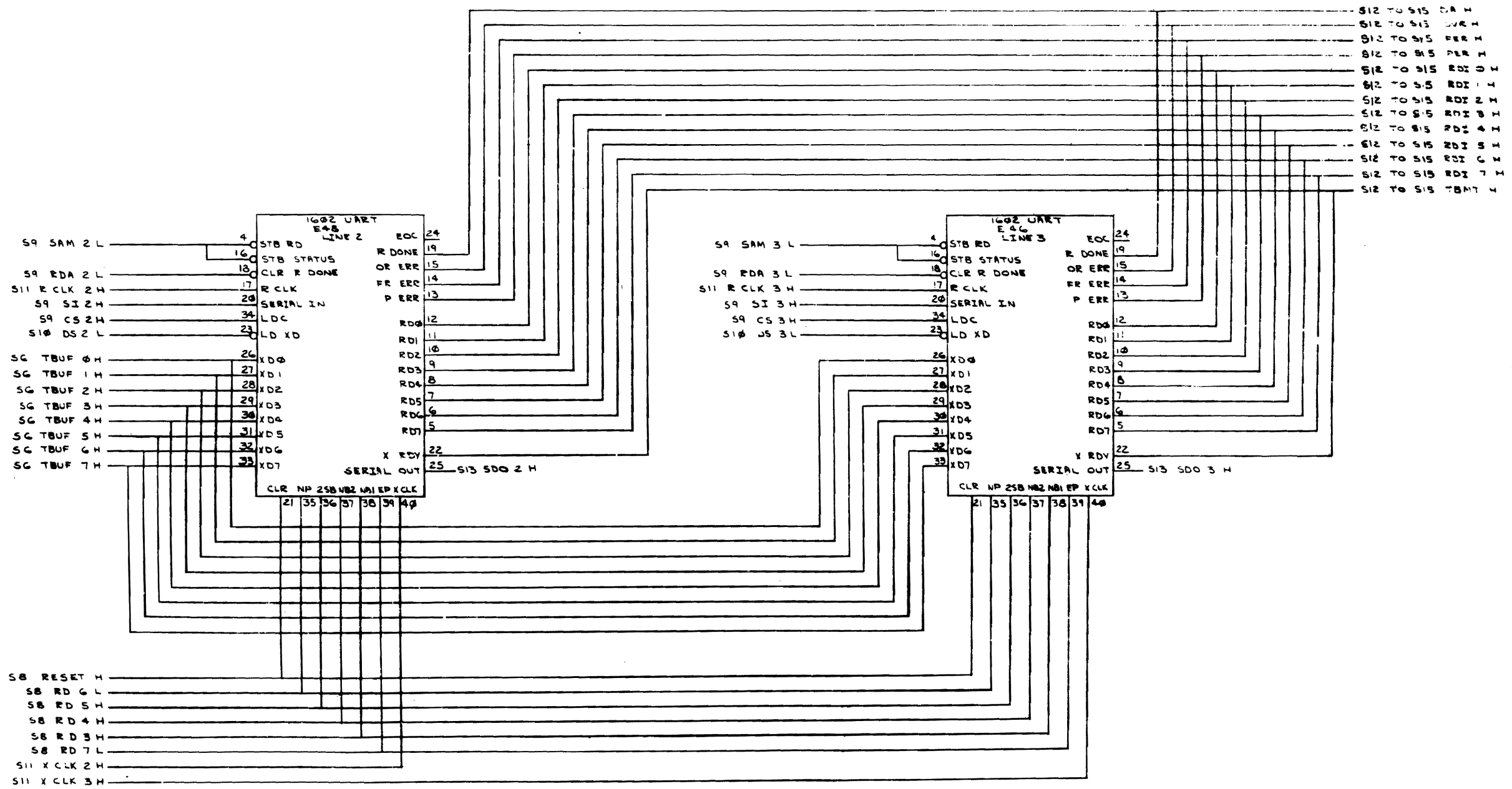
8

7

4

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1-K-512-2-2-1 2



REVISIONS		
CHK	CHANGE NO	REV

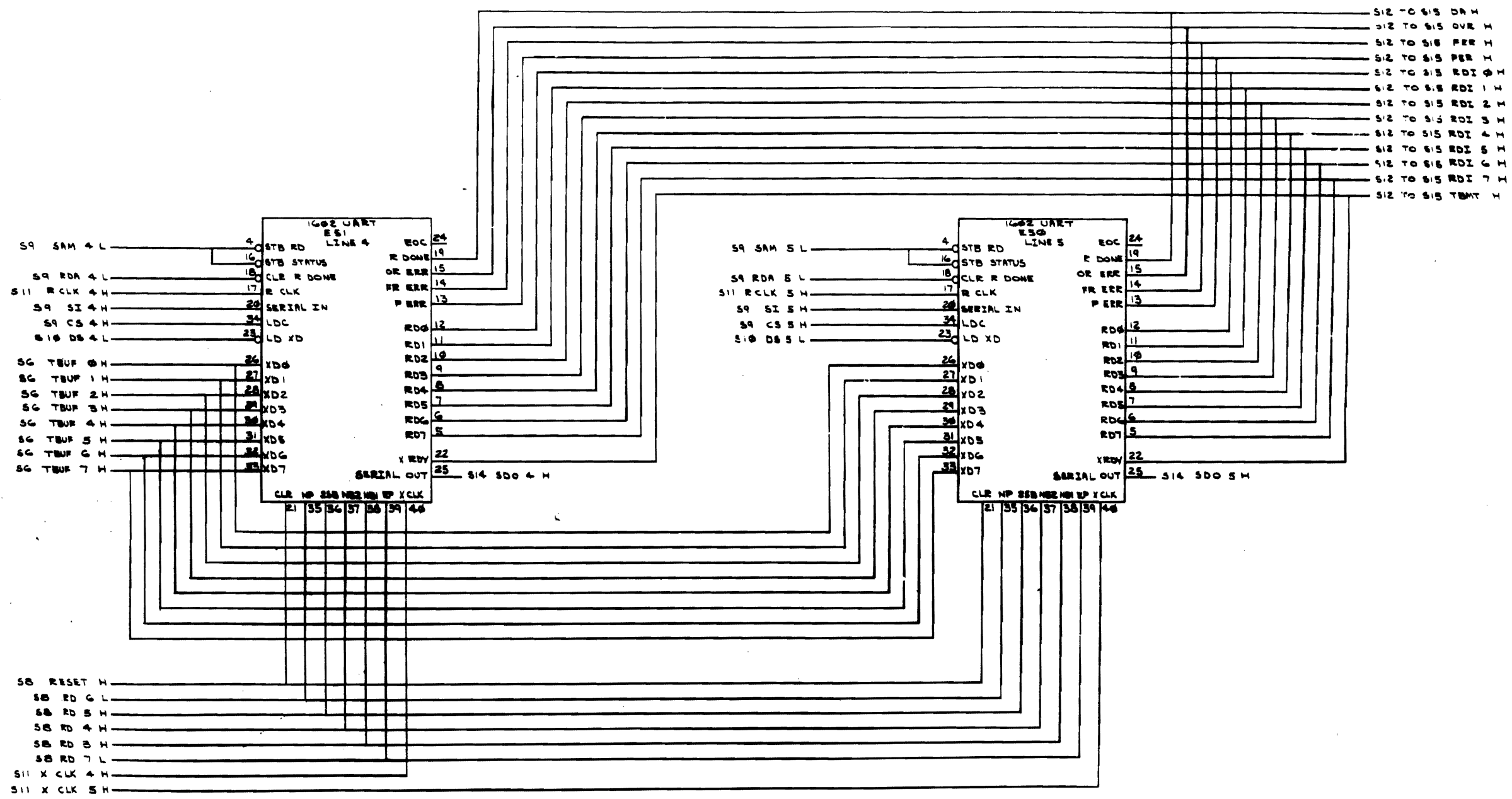
(TRANSCIVER LINES 203)

TITLE	SIZE CODE	NUMBER	REV.
2 LINE EIA ASYNCHRONOUS MUX	(S13) DCS	M7819-0-1	J
SCALE	SHEET	OF	DIST
	3	15	

27

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1-0-8142 WSCD 2

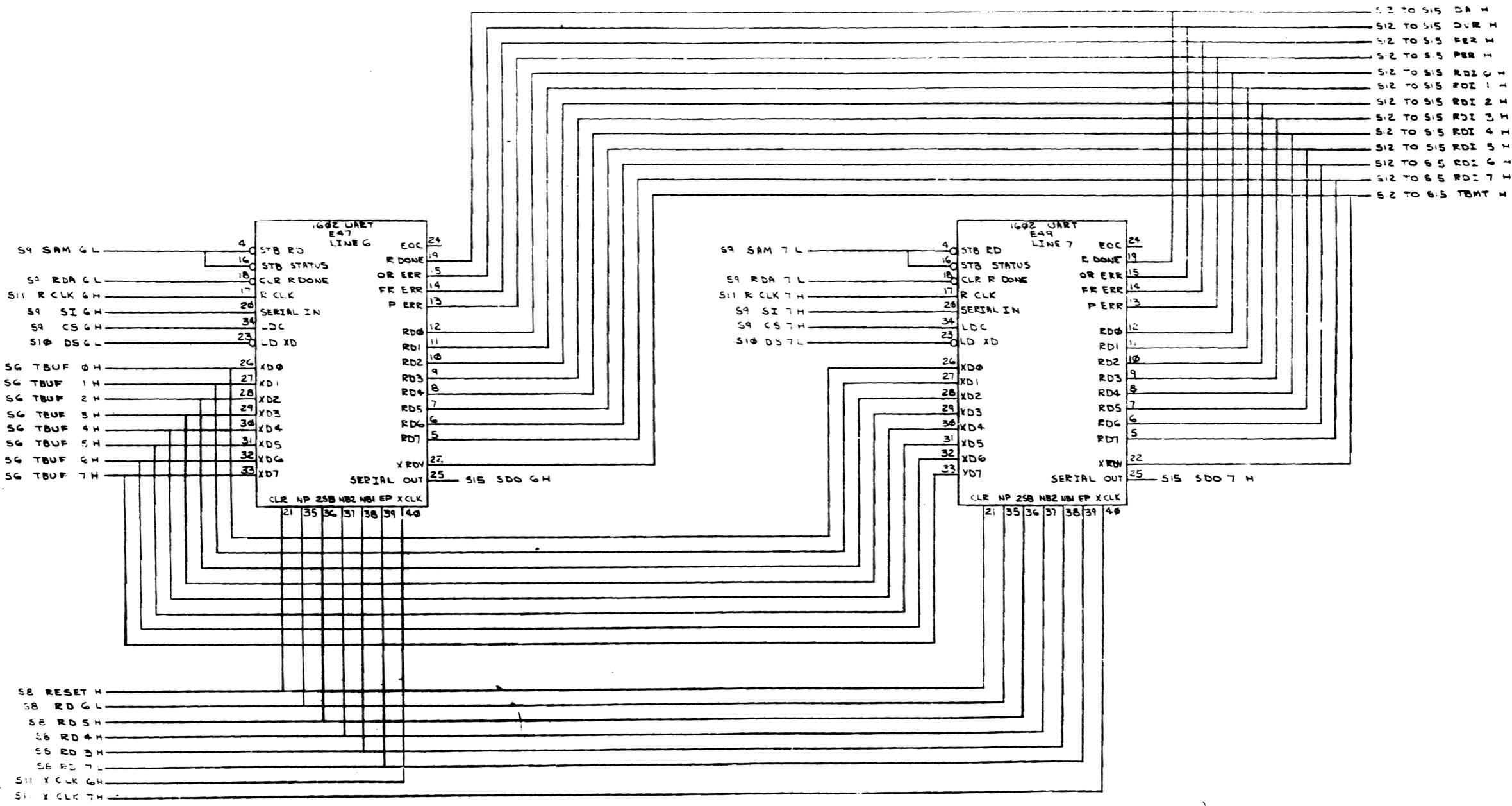


REVISIONS		
CHK	CHANGE NO.	REV.

TRANSCEIVER LINES 4&5

TITLE	8 LINE EIA ASYNCHRONOUS (S14) MUX	REVISION	DCS	NUMBER	M7819-2-1	REV.	J
SCALE	1:1	SHEET	14	OF	15	DIST.	

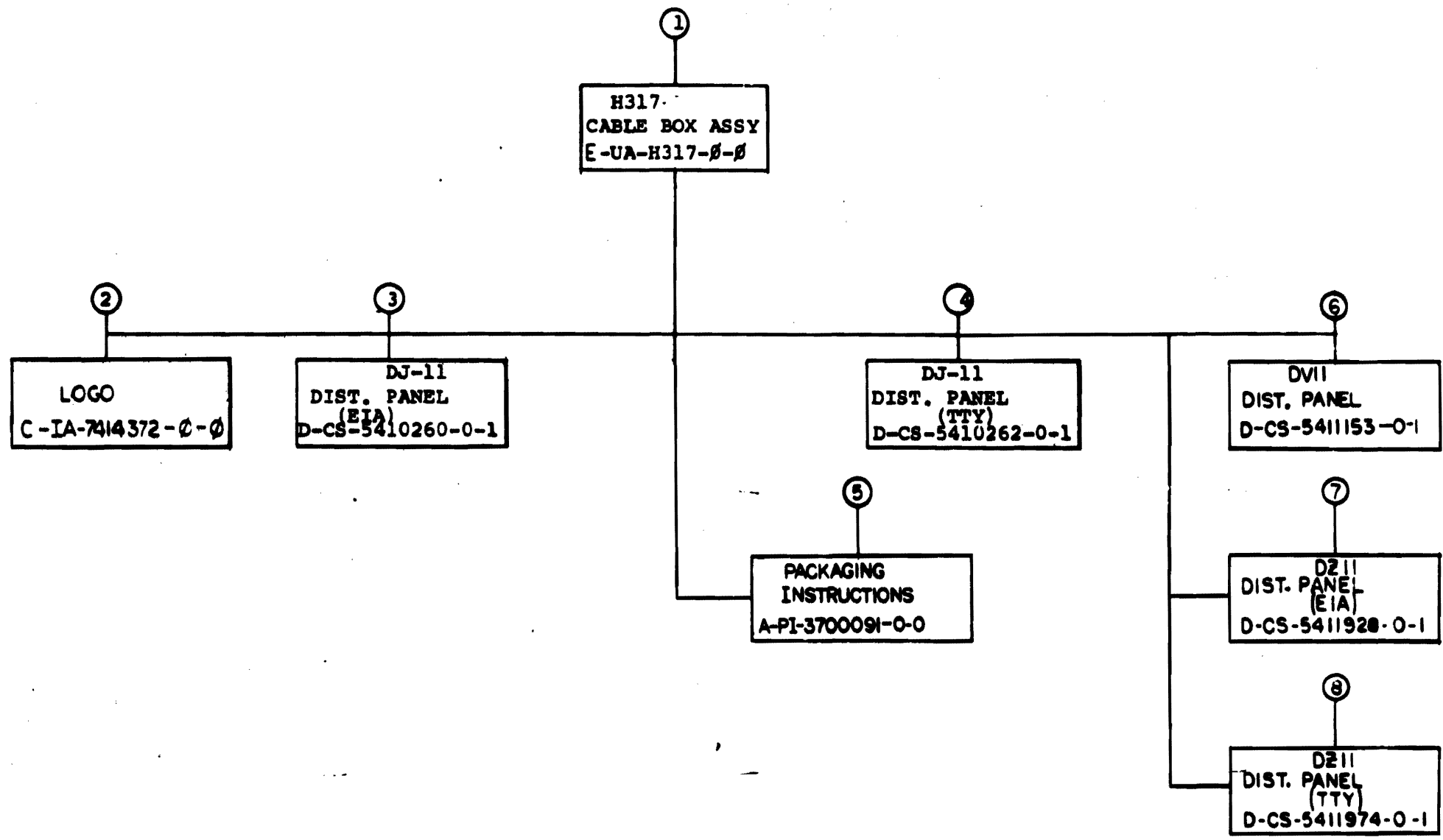
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REVISIONS		
CHK	CHANGE NO	REV

TRANSCEIVER LINES 6&7
 TITLE: 6 LINE EIA ASYNCHRONOUS
 SIZE CODE: DCS (S15)
 NUMBER: M7819-0-1
 REV: J
 SCALE: 1:1
 SHEET 15 OF 15
 DIST. MK

29



TITLE	H317 CABLE BOX ASSY.	SHEET 2 OF 3	SIZE CODE B DD	NUMBER H317-Ø	REV D
-------	-------------------------	--------------	-------------------	------------------	----------

CUSTOMER PRINT SET					ELECTRICAL					CUSTOMER PRINT SET					MECHANICAL				
DEPT SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.	DEPT SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.						
X	1	D-UA-H317-0-0	C	1	H317 CABLE BOX ASSY			1	E-UA-H317-0-0		1	H317 CABLE BOX ASSY							
									E-IA-7416243-0-0		1	H317 MTG PLATE							
									D-MD-7416248-0-0		1	BAR SLIDE							
									A-DC-7410681-0-0		1	DECAL. TERM BLOCK							
									D-PS-1213318-0-0		1	BAR. CABLE HOLDOWN							
									D-PS-1212632-0-0		1	COVER CABLE BOX PLASTIC							
X	3	D-CS-5410260-0-1	#	3	DJ-11 DIST. PANEL (EIA)			2	C-IA-7414372-0-0		1	LOGO							
		B-MH-5410260-0-6	#	1	MODULE ECO HISTORY				A-SS-7414372-0-1		1	SILKSCREEN H317-A							
									A-SS-7414372-0-2		1	SILKSCREEN H317-B							
									A-SS-7414372-0-3		1	SILKSCREEN H317-C							
									A-SS-7414372-0-6		1	SILKSCREEN H317-E							
									A-SS-7414372-0-7		1	SILKSCREEN H317 F							
X	4	D-CS-5410262-0-1	#	6	DJ-11 DIST. PANEL (TTY)			3	D-CS-5410260-0-3	#	3	DJ-11 DIST. PANEL (EIA)							
		B-MH-5410262-0-6	#	1	MODULE ECO HISTORY				K-CO-5410260-0-4		1	X-Y COORDINATE HOLE LOCATION							
									D-AH-5410260-0-5		1	ASSY/DRILLING HOLE LAYOUT							
									B-MH-5410260-0-6		1	MODULE ECO HISTORY							
X	6	D-CS-5411153-0-1	#	3	DV11 DIST PANEL														
		B-MH-5411153-0-6	#	1	MODULE ECO HISTORY														
X	7	D-CS-5411928-0-1	#	2	D811 DIST. PANEL (EIA)			4	D-CS-5410262-0-1	#	6	DJ-11 DIST. PANEL (TTY)							
		B-MH-5411928-0-6	#	1	MODULE ECO HISTORY				K-CO-5410262-0-4		1	X-Y COORDINATE HOLE LOCATION							
									D-AH-5410262-0-5		1	ASSY/DRILLING HOLE LAYOUT							
									B-MH-5410262-0-6		1	MODULE ECO HISTORY							
X	8	D-CS-5411974-0-1	#	1	D811 DIST. PANEL (TTY)			X	5	A-PI-3700091-0-0		2	PACKAGING INSTRUCTIONS						
		B-MH-5411974-0-6	#	1	MODULE ECO HISTORY				A-PS-990335-0-0		2	OUTER CARTON							
									A-PS-990337-0-0		2	LAMINATED TRAY							
									A-PS-990336-0-0		2	CORRUGATED PAD							
									6	D-CS-5411153-0-1	#	3							
									K-CO-5411153-0-4		1								
									D-AH-5411153-0-5		1								
									B-MH-5411153-0-6		1								
									7	D-CS-5411928-0-1	#	2	D811 DIST. PANEL (EIA)						
									K-CO-5411928-0-4		1	X Y COORDINATE HOLE LOC.							
									E-MD-5011927-0-0		4	ASSY/DRILLING HOLE LAYOUT							
									B-MH-5411928-0-6		1	MODULE ECO HISTORY							
									8	D-CS-5411974-0-1	#	1	D811 DIST. PANEL (TTY)						
									K-CO-5411974-0-4		1	X-Y COORDINATE HOLE LOC.							
									D-MD-5011973-0-0		3	ASSY/DRILLING HOLE LAYOUT							
									B-MH-5411974-0-6		1	MODULE ECO HISTORY							

TITLE: H317 CABLE BOX ASSY. SIZE CODE: B DD NUMBER: H317-0 REV: D SHEET 3 OF 3

MK

REV. C
 NUMBER 5411928-0-0
 SIZE CODE BDD

DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS															
D-CS-5411928-0-1	2		CIRCUIT SCHEMATIC	B	C														
B-MH-5411928-0-6	1		MODULE ECO HISTORY	A															
E-UA-5411928-0-0	3		DZ11 EIA DISTRIBUTION PANEL	B	E														
		5011927	ETCHED BOARD	C	C														
5411928-0-L	1		P.C. DESIGN DATA BASE	REF	-														
5411928-0-PL	1		INSERTION P/L DATA BASE	REF	-														
B-PL-5411928-0-0	1		PARTS LIST	B	B														
E-MD-5011927-0-0	4		DRILL & ETCH DRAWING	B	B														

NOTES:

REVISIONS	DATE	CHG NO.	REV.
	3-26-76	00001	C

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USED ON OPTION/MODEL	DRN	DATE	TITLE
	SHETRAWSKI	3-22-76	DZ11 EIA DISTRIBUTION PANEL
	CHK'D SHETRAWSKI	3-22-76	
	ENG. [Signature]	3-26-76	
	PROD. R. Wall	3-26-76	

SIZE CODE	NUMBER	REV.
BDD	5411928-0	C

SHEET 1 OF 1

DIGITAL EQUIPMENT CORPORATION

PARTS LIST

QUANTITY / VARIATION

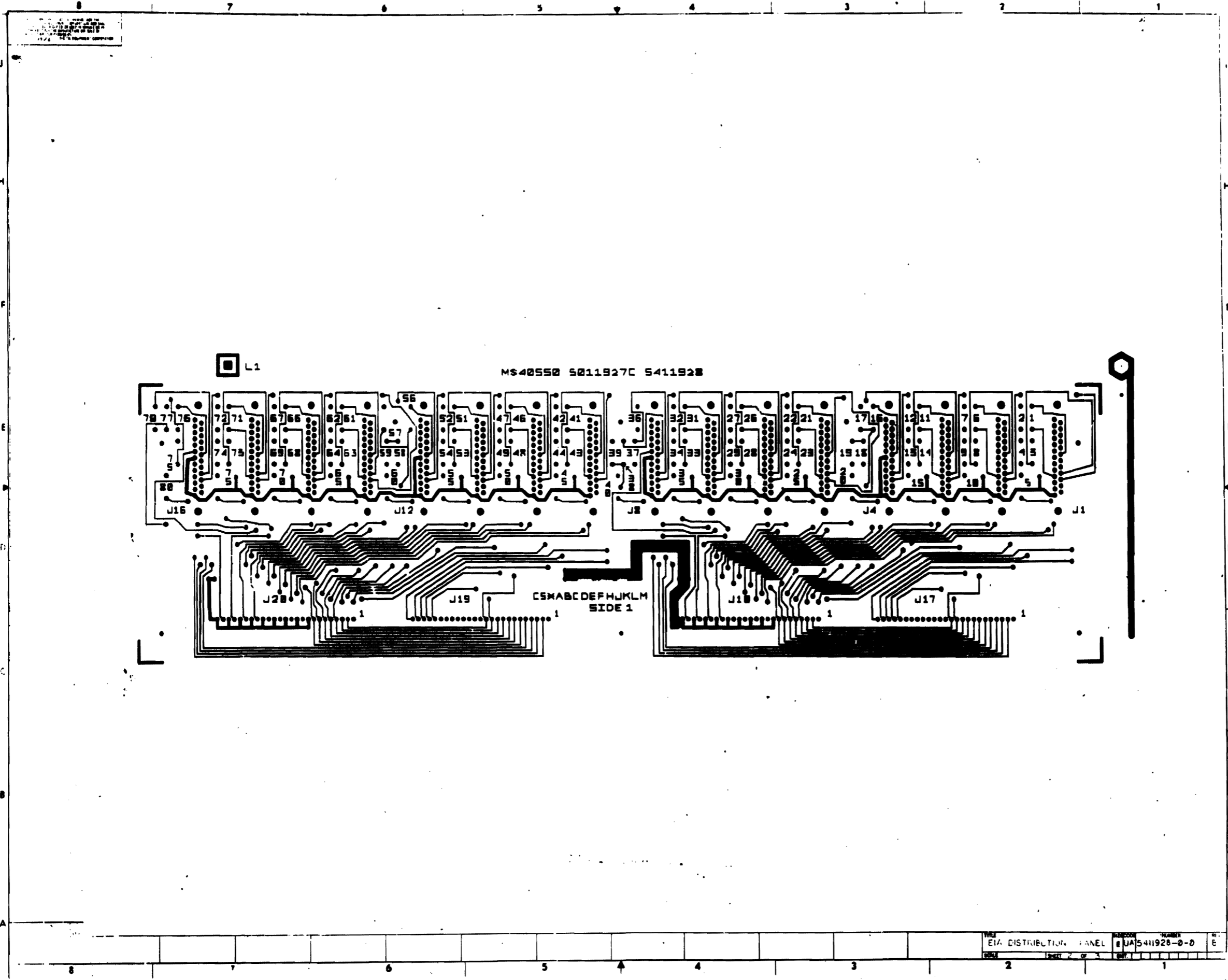
NOTES:

MADE BY R. A. CORMIER	CHECKED R. A. CORMIER	SECTION
DATE 2-12-76	DATE 3-24-76	
ENG Robert A. Cormier	PROD R. Wall	ISSUED SECTION
DATE 3-26-76	DATE 3-26-76	

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY	VARIATION	REF DENOMINATION
1	E-MD-5011927-0-0	5011927	ETCHED CIRCUIT BOARD	1		
2		1209941-03	LATCH, LEFT FOR RT. ANG. HEADER	2		
3		1209941-04	LATCH, RIGHT FOR RT. ANG. HEADER	2		
4		1209941-07	CONN. 5P. RT. ANG. HEADER	2		J18, J20
5		1205886-01	CONN. D-SUB MIN W/PC TERM	16		J1-J16
6		9009113-10	STANDOFF P.C. BOARD 4-4# X .187	32		
7		9008451	SCREWLOCK D2#418-2 4-4# X .312	32		
8		9009185	JUMPER, WIRE INSULATED	80		W1-W8#

ECO. NO.

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		SHEET 1 OF 1	INSERTION PARTS LIST DATA BASE REV		



1. THIS DRAWING IS THE PROPERTY OF THE U.S. GOVERNMENT
 2. IT IS TO BE USED FOR THE PURPOSES SPECIFIED IN THE CONTRACT
 3. IT IS TO BE RETURNED TO THE U.S. GOVERNMENT AT THE END OF THE PROJECT

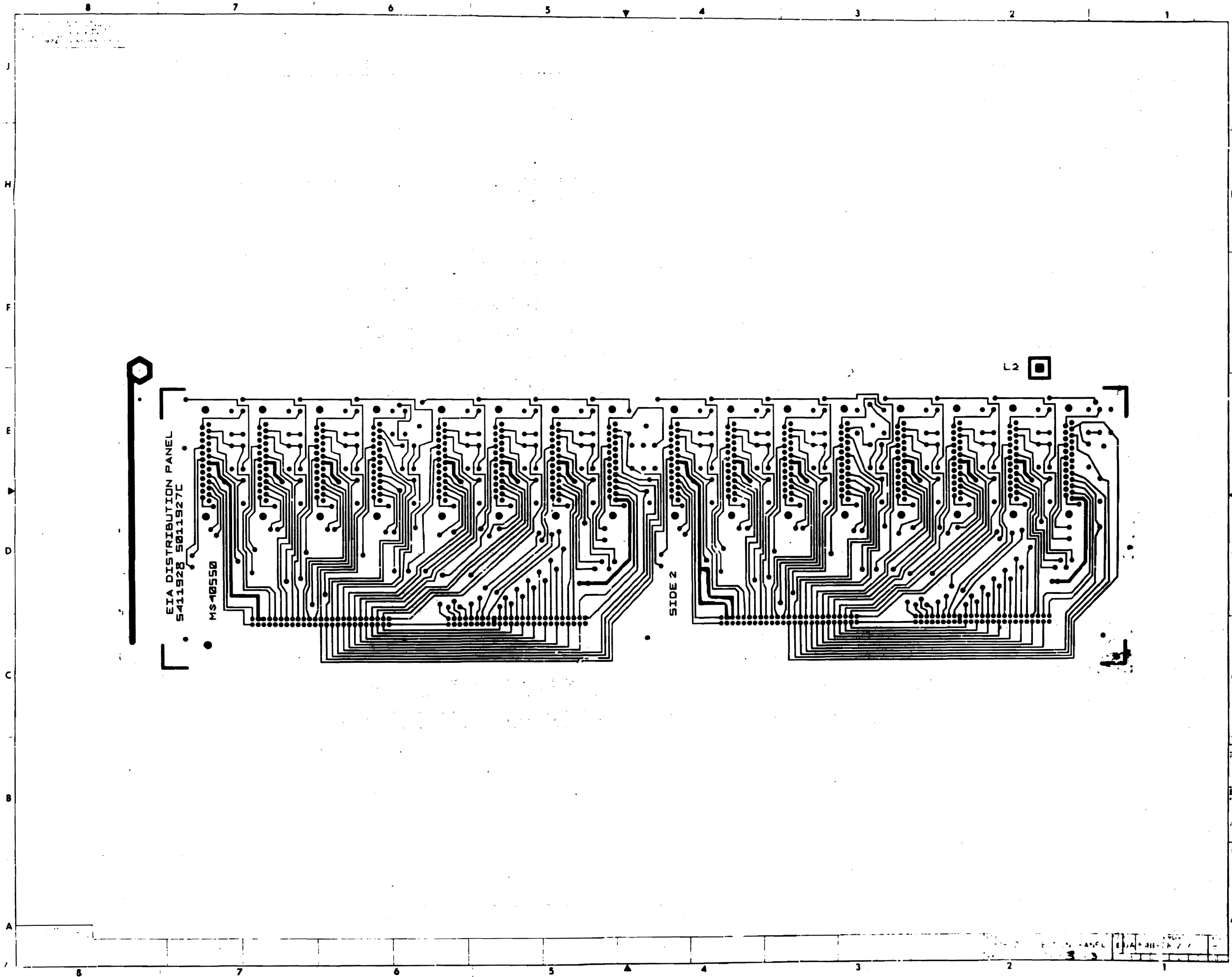
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MS40550 S011927C S411928

CSXABCDEFHJKLM
SIDE 1

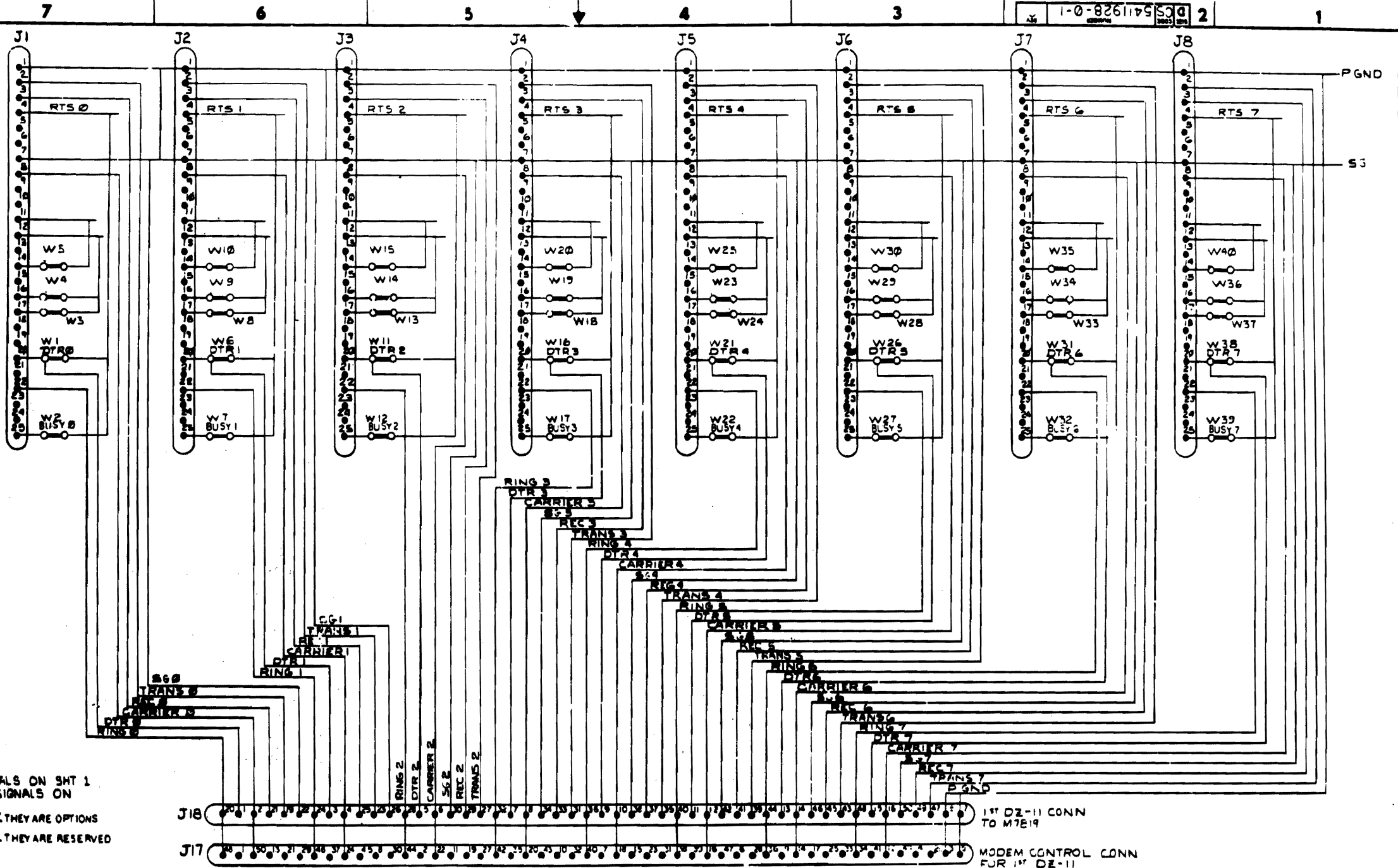
TYPE	EIA DISTRIBUTION PANEL	REVISION	NUMBER	REV.
DATE			5411928-0-0	E
SHEET 2 OF 3				

0 1 2 3 4 5 6 7 8



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1-0-826119 CS 5411928-0-1



NOTES:

- EXCEPT FOR P GND, SIGNALS ON SHT 1 DO NOT CONNECT WITH SIGNALS ON SHT 2.
- ALL JUMPERS ARE NORMALLY "IN". THEY ARE OPTIONS RESERVED FOR FUTURE USE.
- J17 AND J18 ARE NOT INSTALLED. THEY ARE RESERVED FOR FUTURE USE.

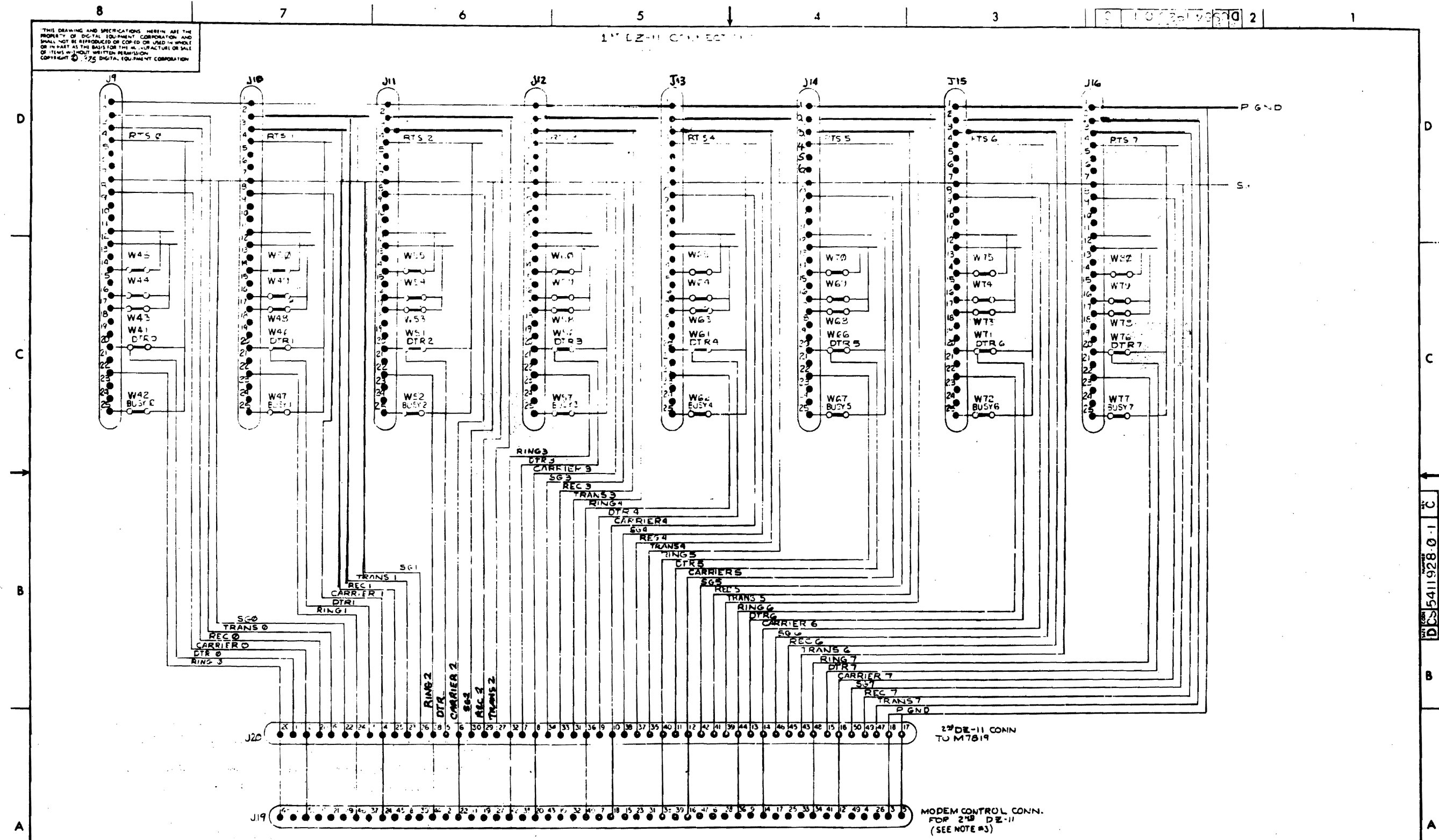
1ST DZ-11 CONN TO M7E19
 MODERN CONTROL CONN FOR 1ST DZ-11 (SEE NOTE #3)

REV. 1	DATE	BY
REV. 2	DATE	BY
REV. 3	DATE	BY
REV. 4	DATE	BY
REV. 5	DATE	BY
REV. 6	DATE	BY
REV. 7	DATE	BY
REV. 8	DATE	BY
REV. 9	DATE	BY
REV. 10	DATE	BY

DRN	DATE	BY	FIRST USED ON
CHK D	DATE	BY	H317E
ENG	DATE	BY	TITLE
PROJ	DATE	BY	DZII EIA
PROD	DATE	BY	DIST PANEL
NEXT HIGHER ASSY			
E-AH 5411928-0-3	SIZE	CODE	NUMBER
SCALE	D	CS 5411928-0-1	REV. C
SHEET 1 OF 2	DIST		

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1" DE-11 CONNECTION



DCS 5411928-0-1 C

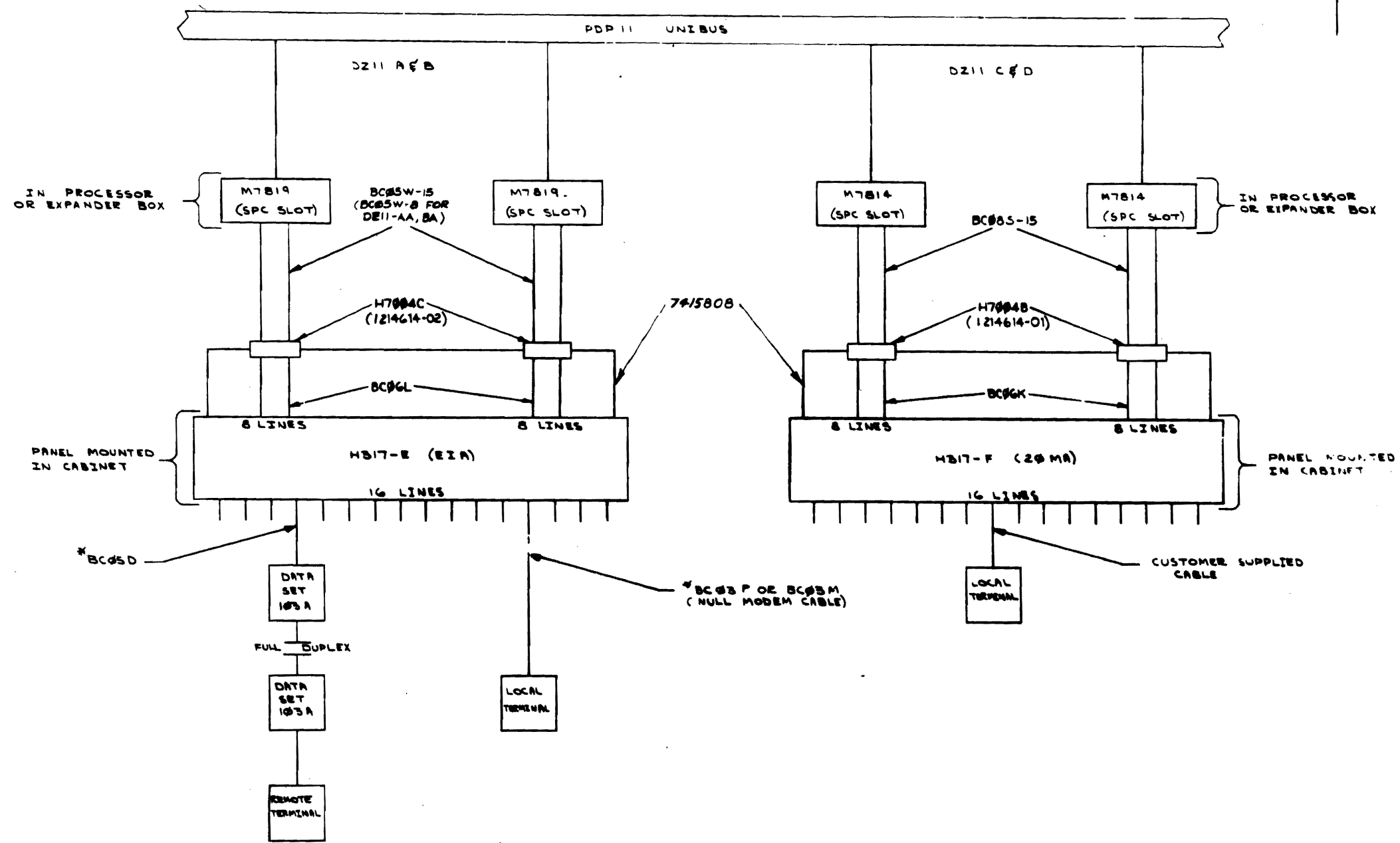
REVISIONS		
CHK	CHANGE NO	REV

TITLE	SIZE/COOR	NUMBER	REV.
DZ11 EIA DIST PANEL	DCS	5411928-0-1	C
SCALE	SHEET 2 OF 2	DIST	

HI

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NOTES:
 1. * THE BC05D, BC03M & BC03P CABLES ARE NOT INCLUDED IN THE DZ11 OPTION AND MUST BE ORDERED SEPARATELY.



REV.	REV.	REV.	REV.
1	2	3	4
DZ11-00003 A	DZ11-00005 B	DZ11-00006 C	DZ11-00007 D
25	26	27	28
R. CONNOR	R. CONNOR	R. CONNOR	R. CONNOR

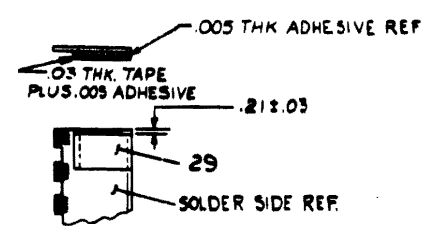
DRW. X 0 20 50	3-1-76	FIRST USED ON	DZ11
CHK'D R. CONNOR	3-1-76	TITLE	SYSTEM CONNECT DIAGRAM
PROL. ENG.		SCALE	D BD
PROD.		NUMBER	DZ11-0-5
NEXT HIGHER ASSY.		REV.	C
SHEET	OF	DIST.	

45

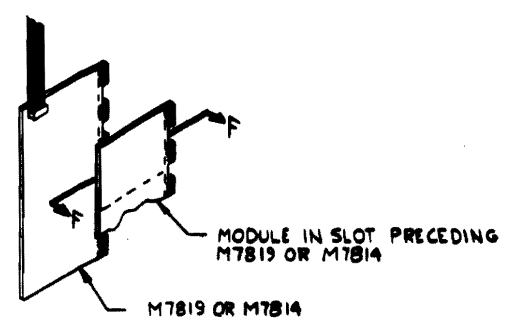
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NOTES:

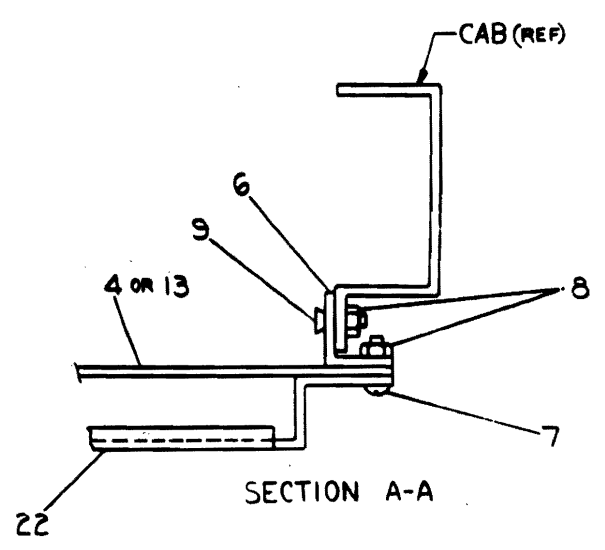
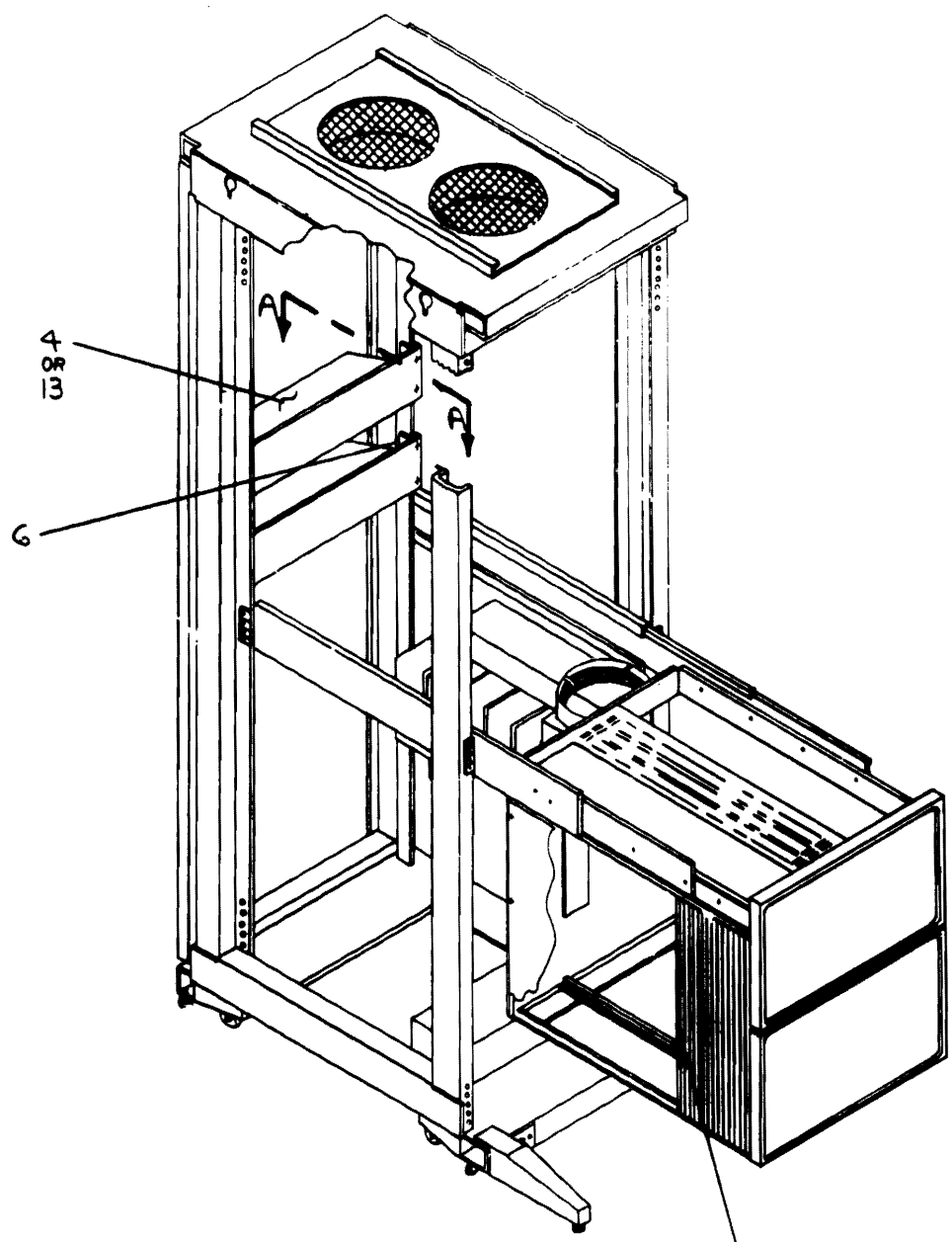
1. ~~DO NOT REMOVE~~
2. TEST CONNECTORS ITEMS 2 & 5 (NOT SHOWN) ARE USED FOR TESTING DZ11 A,B,E ALSO NOT SHOWN IS A TEST CONNECTOR (ITEM 15) USED FOR TESTING THE DZ11-C,D & F
3. AT SYSTEM CONFIGURATION LEVEL, ASSEMBLE ITEM #29 TO MODULE PRECEDING ITEM(S) 1 OR 4. ORIENTATE AS SHOWN. MAKE CERTAIN SURFACES THAT ITEM 29 ADHERE TO ARE FREE FROM GREASE OR OTHER FOREIGN MATTER.



SECTION F-F
 SEE NOTE 3



VIEW E-E



FOR PARTS LIST SEE A-PL-DZ11-0-0

REVISIONS		DESCRIPTION	ENGR. PART NO.	ITEM NO.
REV.	CHANGE NO.			
1	DZ11-00001	A		
2	4 Jan 77			
3	R.A. CORNIER			
4	DZ11-00002	B		
5	9 May 77			
6	R.A. CORNIER			
7	DZ11-00003	C		
8	22 August 77			
9	R. CORNIER			
10	DZ11-00004	D		
11	P. PORRECA			
12	11-11-77			

THIRD ANGLE PROJECTION	ENGR. <i>R.A. Cornier</i>	DATE <i>8-4-76</i>	PROJECT <i>DZ11</i>
REMOVE BURRS AND BREAK SHARP CORNERS	ENGR. <i>R.A. Cornier</i>	DATE <i>8-4-76</i>	PROJECT <i>DZ11</i>
DO NOT SCALE DIMS	ENGR. <i>R.A. Cornier</i>	DATE <i>8-4-76</i>	PROJECT <i>DZ11</i>
MATERIAL SEE PARTS LIST	ENGR. <i>R.A. Cornier</i>	DATE <i>8-4-76</i>	PROJECT <i>DZ11</i>
FINISH	ENGR. <i>R.A. Cornier</i>	DATE <i>8-4-76</i>	PROJECT <i>DZ11</i>

DESCRIPTION	DZ11
TITLE	UNIT ASSY DZ11
SCALE	NONE
SHEET	4
REV.	D

REV.	CHANGE NO.	DATE	BY	DESCRIPTION
1	DZ11-00001	4 Jan 77	R.A. CORNIER	
2	DZ11-00002	9 May 77	R.A. CORNIER	
3	DZ11-00003	22 August 77	R. CORNIER	
4	DZ11-00004	11-11-77	P. PORRECA	

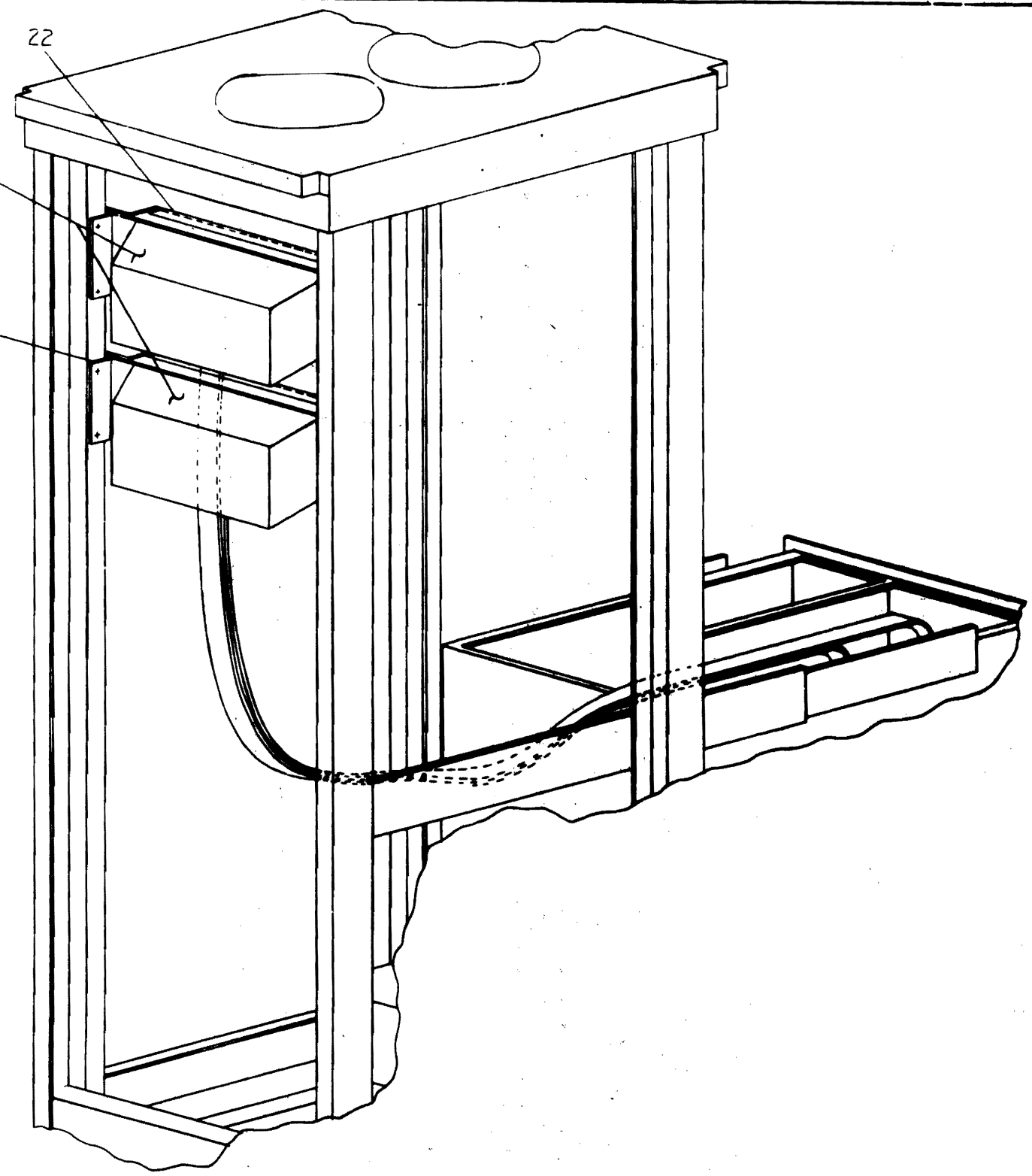
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7-2-1127-00 2

4 OR 13 REF
SEE DETAILS
A, B, C & D ON
SHEET # 4

(REF) 6

22



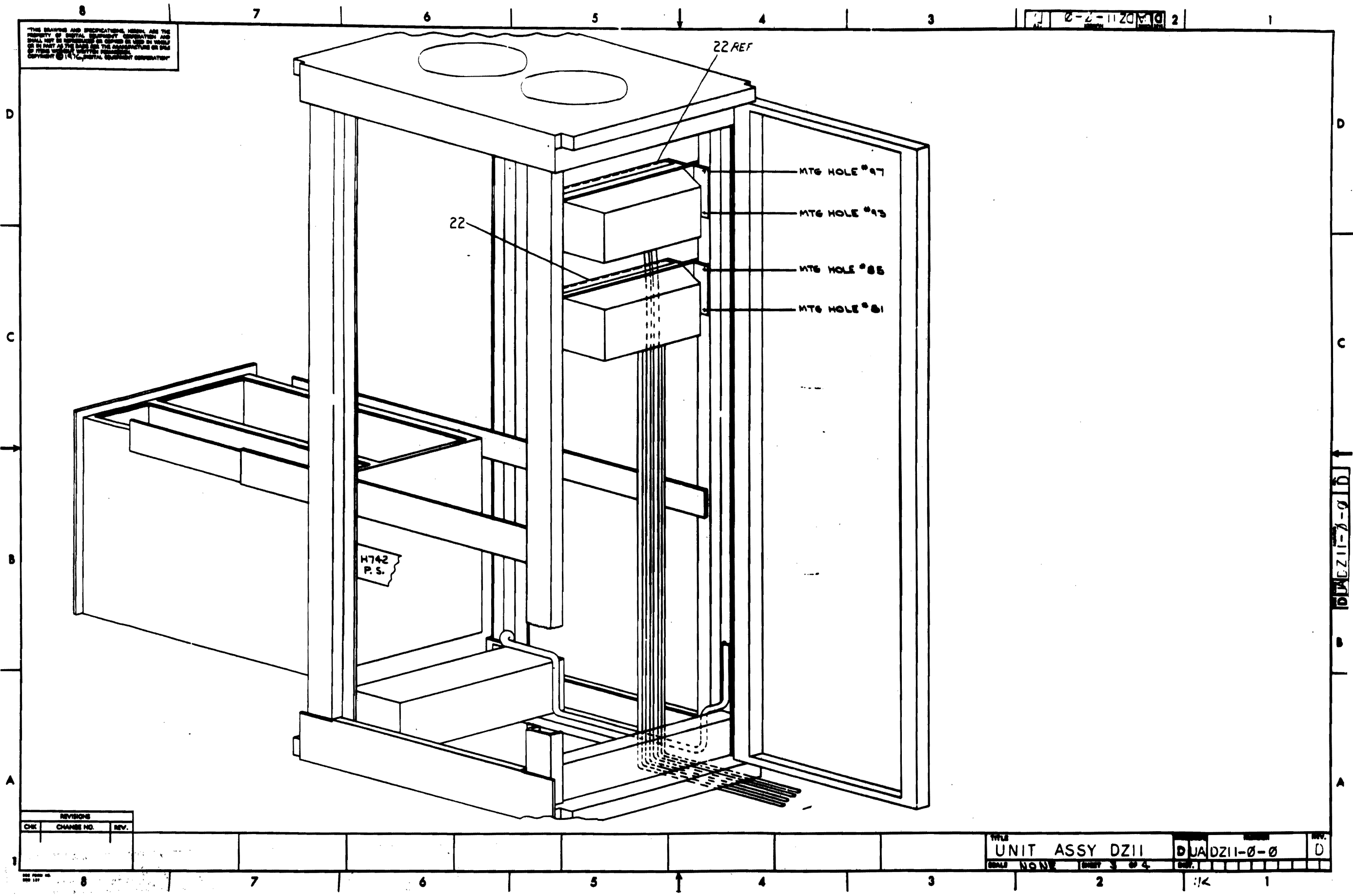
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE UNIT ASSY DZ11
SCALE NONE SHEET 2 OF 4
DUA DZ11-0-0
A/K

45

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0-2-11207A 2



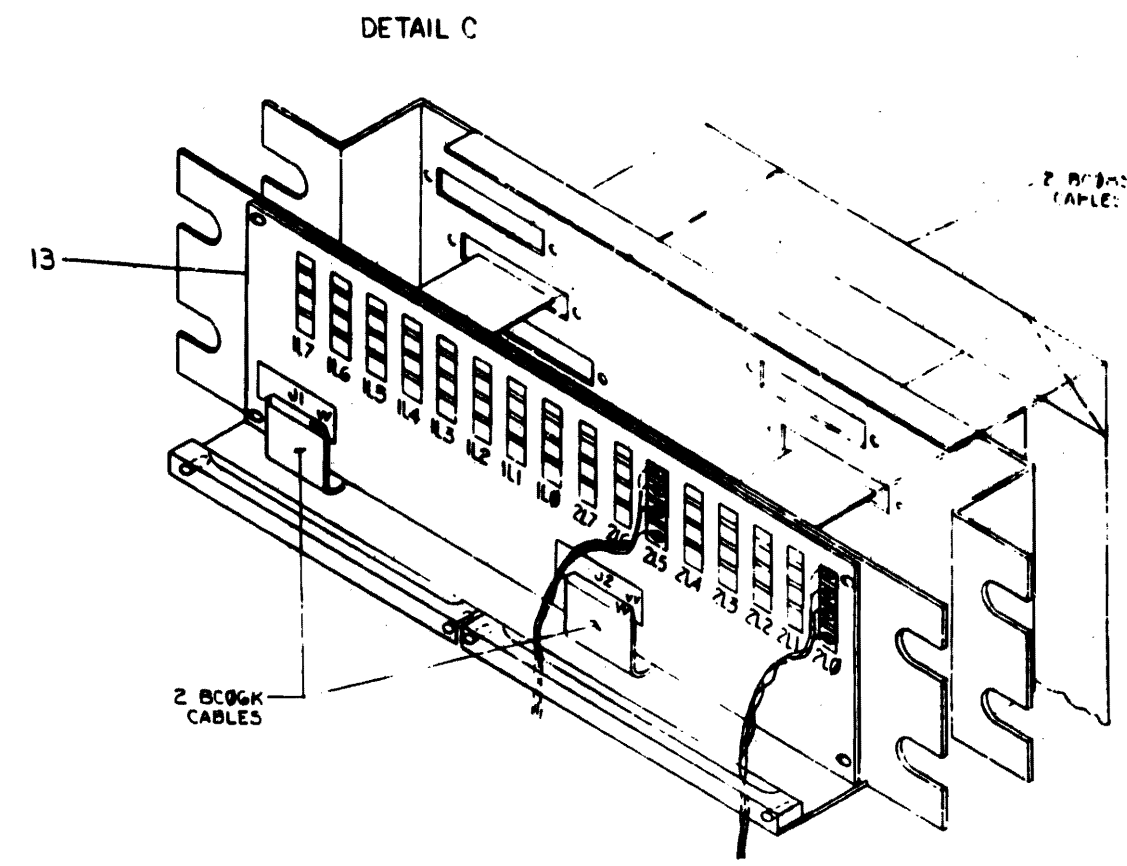
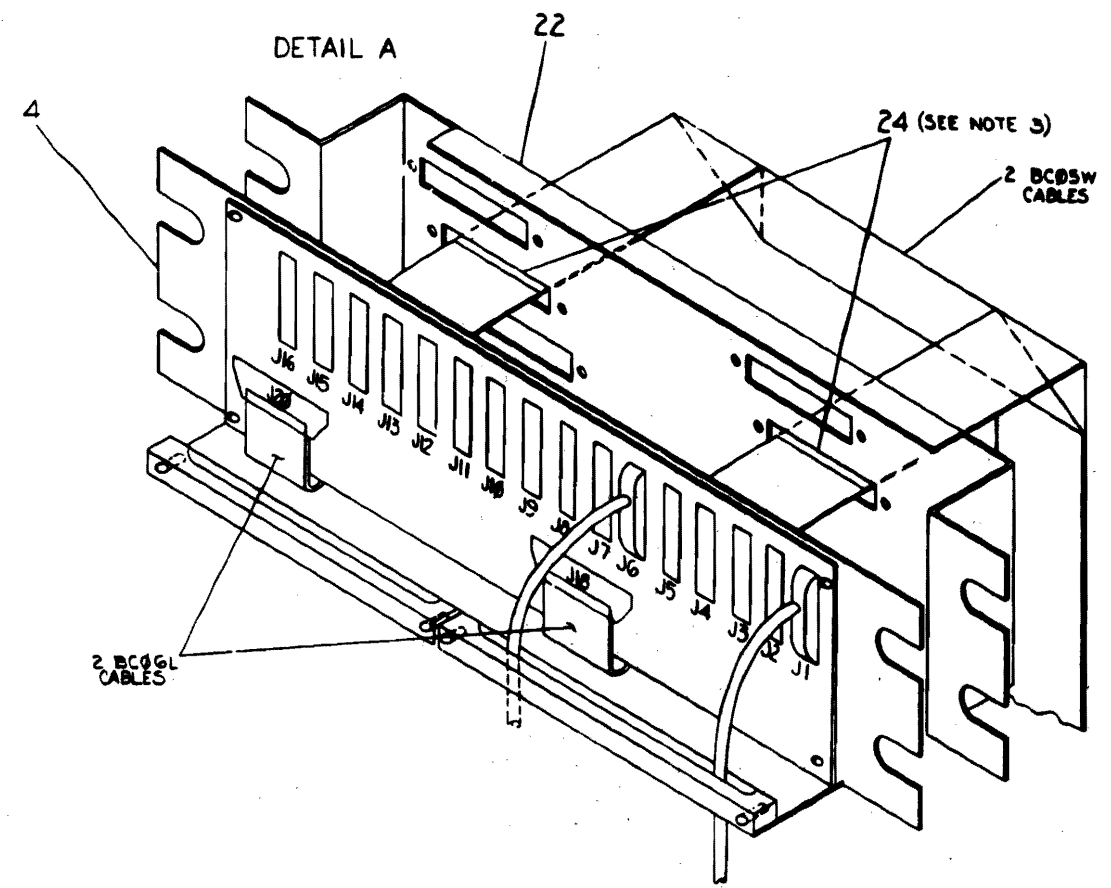
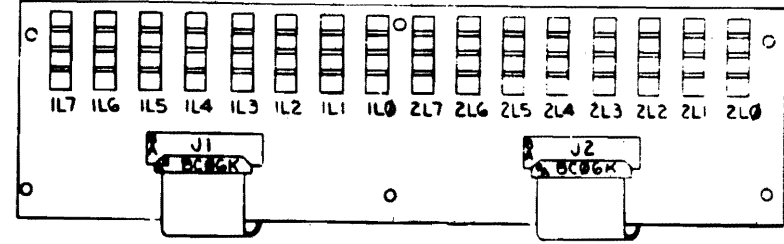
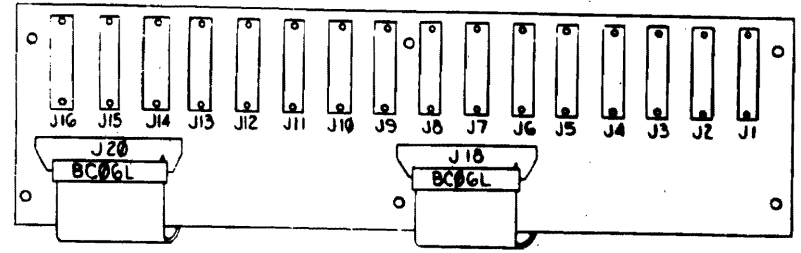
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	UNIT ASSY DZ11	DJA	DZ11-0-0	REV.	D
DATE	NOV	UNIT	3 04	CHK	

DZ11-0-0

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NOTE:
MOUNT FILTERS (ITEM 23 AND 24) TO THE OUTSIDE OF MOUNT 11, BRACKET (ITEM 22) WITH SCREWS AND LOCK WASHERS (ITEM 27 AND 28).



DETAIL B

DETAIL D

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		UNIT ASSY DZ11	SIZE CODE	DUA	NUMBER	DZ11-0-0	REV.	J
SCALE	NONE	SHEET	4	OF	4	QWT.		

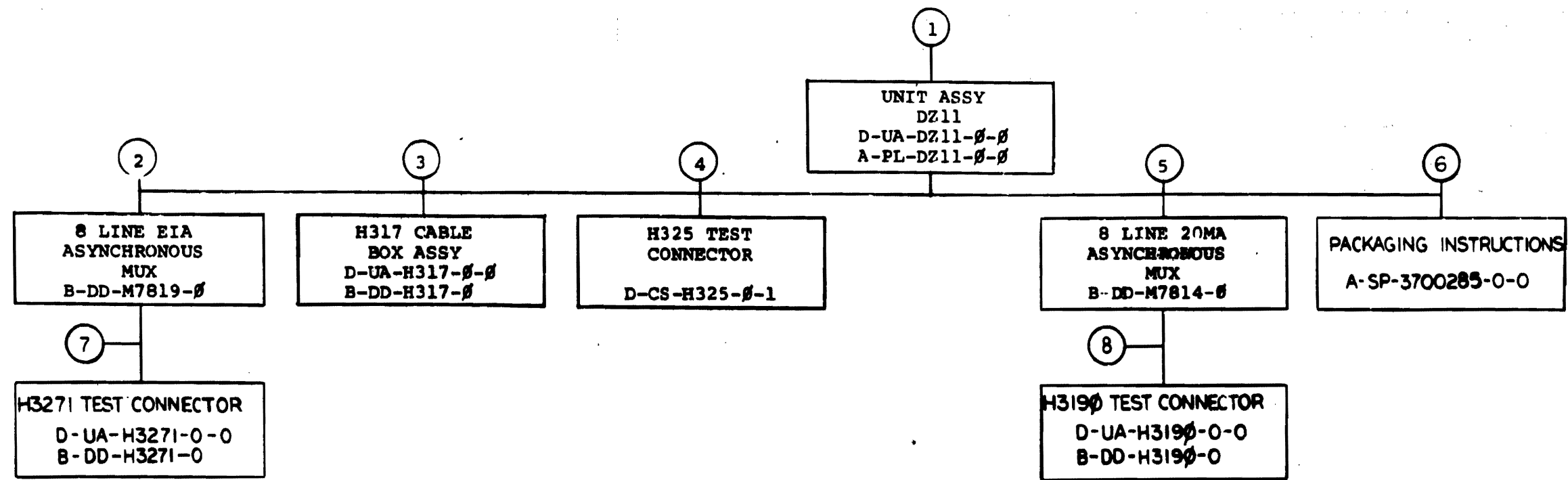
57

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY / VARIATION																
MADE BY K. DAVIS		CHECKED P. Cappabianca		SECTION		DZ11-A	DZ11-B	DZ11-E	DZ11-C	DZ11-D	DZ11-F	DZ11-AA	DZ11-BA	DZ11-EA						
DATE 5-4-76		DATE 19 May 76		ISSUED SECT.																
ENG R. Cormier		PROD T. M. C. CABE		DATE 5-14-76																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																		
1	D-UA-M7819- θ - θ	8 LINE EIA ASYNCHRONOUS MUX		1	1	2	-	-	-	-	-	-	-	2						
2	D-UA-H3271-0-0	CONNECTOR, TURN AROUND (EIA)		1	-	1	-	-	-	-	-	-	-	1						
3	D-IA-BC θ 5W-15	5 θ CONDUCTOR SIGNAL CABLE (BC θ 5W)		1	1	2	-	-	-	-	-	-	-	-						
4	D-UA-H317-E- θ	H317 CABLE BOX ASSY (EIA)		1	-	1	-	-	-	-	-	-	-	1						
5	D-CS-H325- θ -1	H325 TEST CONNECTOR		1	-	1	-	-	-	-	-	-	-	1						
6	C-MD-7414386-0-0	BRACKET, PANEL		2	-	2	2	-	2	2	-	-	-	2						
7	9006071-03	SCR, PH, TRUSS, HD, 10-32 X .38		4	-	4	4	-	4	4	-	-	-	4						
8	9006565-00	NUT, KEP 10-32		8	-	8	8	-	8	8	-	-	-	8						
9	9006073-02	SCR, PH, FL, HD, 10-32 X .50		4	-	4	4	-	4	4	-	-	-	4						
10	9007786-00	NUT, SPEED 10-32		4	-	4	4	-	4	4	-	-	-	4						
11	D-BD-DZ11- θ -8	SYSTEM CONNECT DIAGRAM		REF	REF	REF	REF	REF	REF	REF	REF	REF	REF	REF						
12	C-IA-BC08S-15	40 CONDUCTOR SIGNAL CABLE (BC08S)		-	-	-	1	1	2	-	-	-	-	-						
13	D-UA-H317-F- θ	H317 CABLE BOX ASSY (20 MA)		-	-	-	1	-	1	-	-	-	-	-						
14	D-UA-M7814- θ - θ	8 LINE 20 MA ASYNCHRONOUS MUX		-	-	-	1	1	2	-	-	-	-	-						
15	D-UA-H319 θ -0-0	CONNECTOR, TURN AROUND (2 θ MA)		-	-	-	1	1	2	-	-	-	-	-						
16	A-SP-3700285-0-0	PKG. INST. CUSTOMER(A VERSION)		1	-	-	-	-	-	-	-	1	-	-						
17	A-SP-3700285-1-0	PKG. INST. CUSTOMER(C VERSION)		-	-	-	1	-	-	-	-	-	-	-						
18	A-SP-3700285-2-0	PKG. INST. CUSTOMER(B VERSION)		-	1	-	-	-	-	-	-	-	1	-						
19	A-SP-3700285-3-0	PKG. INST. CUSTOMER(D VERSION)		-	-	-	-	1	-	-	-	-	-	-						
20	A-SP-3700285-4-0	PKG. INST. CUSTOMER(E VERSION)		-	-	1	-	-	-	-	-	-	-	1						
21	A-SP-3700285-5-0	PKG. INST. CUSTOMER(F VERSION)		-	-	-	-	-	1	-	-	-	-	-						
22	D-IA-7415808-0-0	CONNECTOR, MTG. PANEL		1	-	1	1	-	1	1	-	-	-	1						
TITLE PARTS LIST DZ11				ASSY NO. D-UA-DZ11- θ - θ		SIZE CODE A PL		NUMBER DZ11- θ - θ				REV. F		ECO NO. DZ11- MK006						
SHEET 1 OF 2				DIST.																

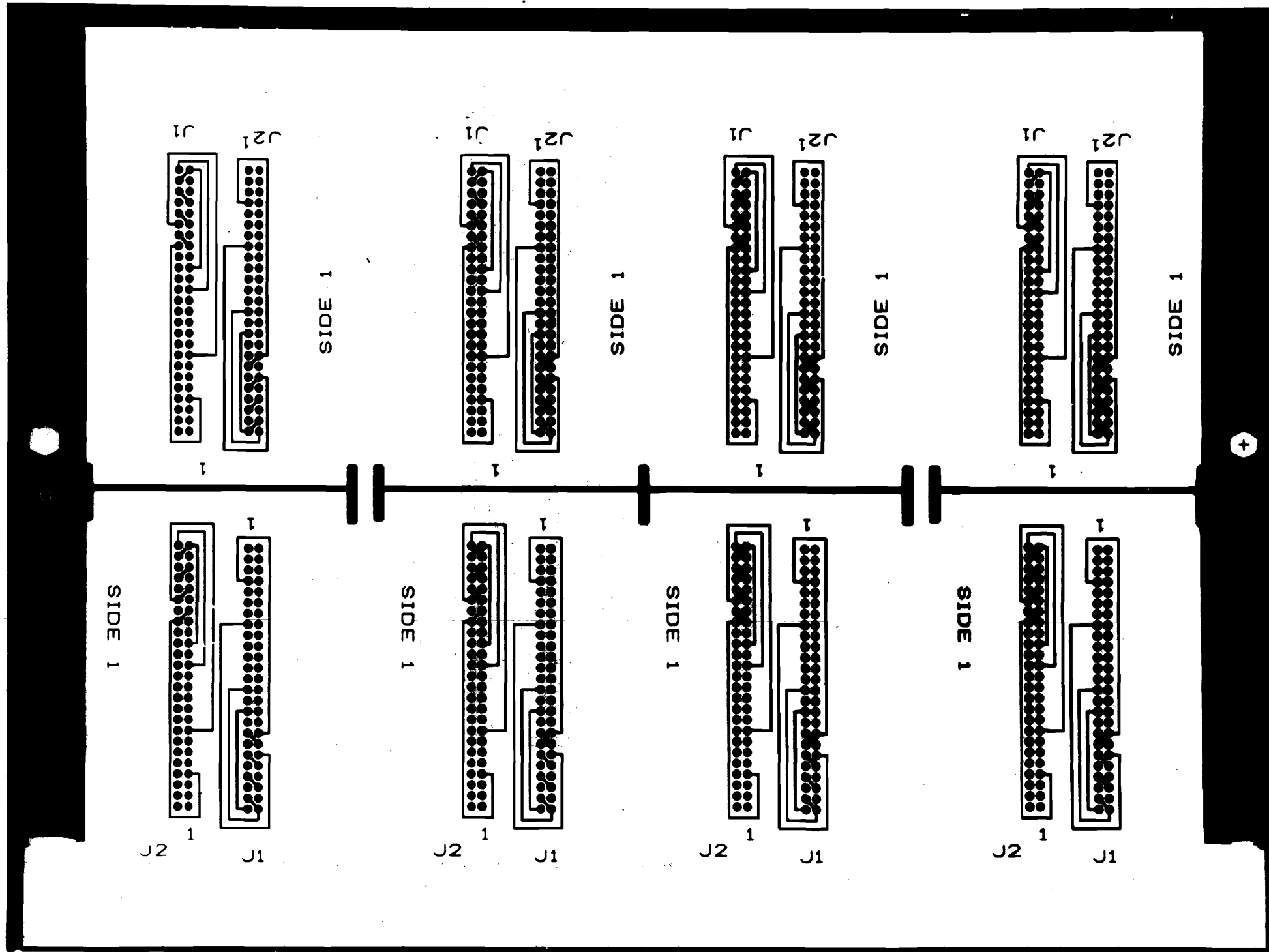
DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS PARTS LIST				QUANTITY / VARIATION																
MADE BY K. DAVIS		CHECKED P. Cappabianca		SECTION		DZ11-A	DZ11-B	DZ11-E	DZ11-C	DZ11-D	DZ11-F	DZ11-AA	DZ11-BA	DZ11-EA						
DATE 4-MAY-76		DATE 14-MAY-76		ISSUED SECT.																
ENG R. CORMIER		PROD T. M. C. CABE		DATE 14-MAY-76																
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION																		
23	1214614-01	FILTERED CONNECTOR (40 POS)		-	-	-	1	1	2	-	-	-	-	-						
24	1214614-02	FIL. ERD CONNECTOR (50 POS)		1	1	2	-	-	-	-	-	-	-	2						
25	D-UA-BC θ 6K- θ J- θ	MIRROR IMAGE CABLE (40 POS)		-	-	-	1	1	2	-	-	-	-	-						
26	D-UA-BC θ 6L- θ J- θ	MIRROR IMAGE CABLE (50 POS)		1	1	2	-	-	-	-	-	-	-	2						
27	9006022-01	SCR, PHL PAN HD #6-32 x .38		2	2	4	2	2	4	2	2	4	2	4						
28	9006633-00	WASHER, INT TOOTH LOCK #6		2	2	4	2	2	4	2	2	4	2	4						
29	1215278-00	CABLE PROTECTOR		1	1	2	1	1	2	1	1	2	1	2						
30	D-IA-BC θ 5W - 8	50 CONDUCTOR SIGNAL CABLE (BC θ 5W)		-	-	-	-	-	-	-	-	1	1	2						
TITLE PARTS LIST DZ11				ASSY NO. D-UA-DZ11- θ - θ		SIZE CODE A PL		NUMBER DZ11- θ - θ				REV. F		ECO NO. DZ11- MK006						
SHEET 2 OF 2				DIST.																

28

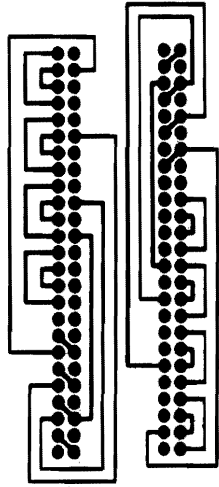


TITLE	ASYNCHRONOUS MUX DZ11	SHEET 2 OF 3	SIZE CODE B DD	NUMBER DZ11-Ø	REV F
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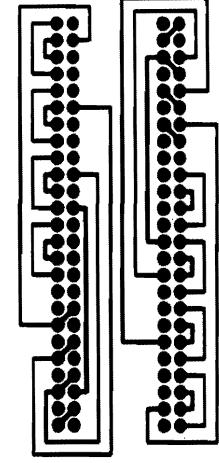
TITLE	TEST CONNECTOR	SIZE CODE	D UA	NUMBER	H3271-0-0	REV.	C
SCALE	2/1	SHEET	2	OF	3	DATE	

H3271 5012566D
SIDE2



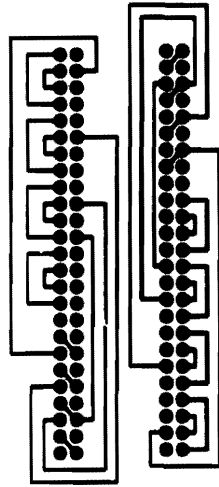
TEST CONNECTOR

H3271 5012566D
SIDE 2



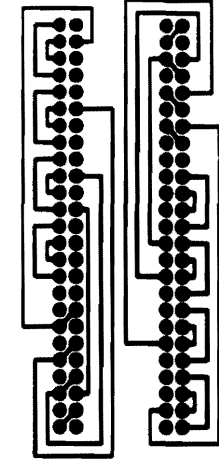
TEST CONNECTOR

H3271 5012566D
SIDE2



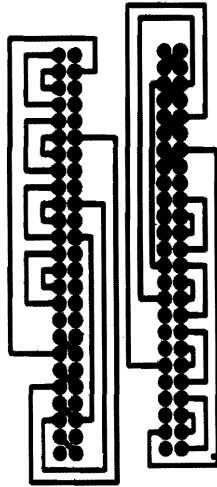
TEST CONNECTOR

H3271 5012566D
SIDE 2



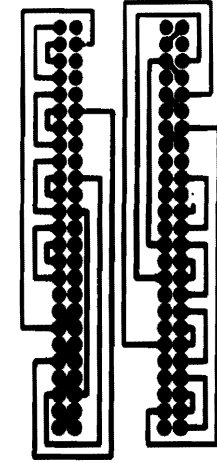
TEST CONNECTOR

H3271 5012566D
SIDE2



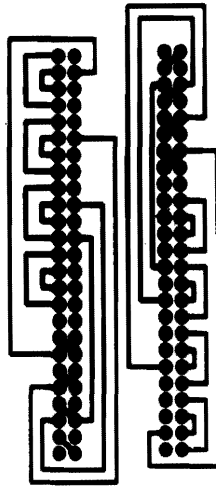
TEST CONNECTOR

H3271 5012566D
SIDE 2



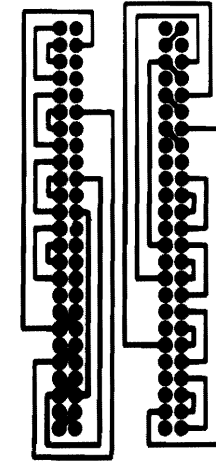
TEST CONNECTOR

H3271 5012566D
SIDE2



TEST CONNECTOR

H3271 5012566D
SIDE 2



TEST CONNECTOR

TITLE
TEST CONNECTOR

SIZE CODE
D UA

NUMBER
H3271-0-C

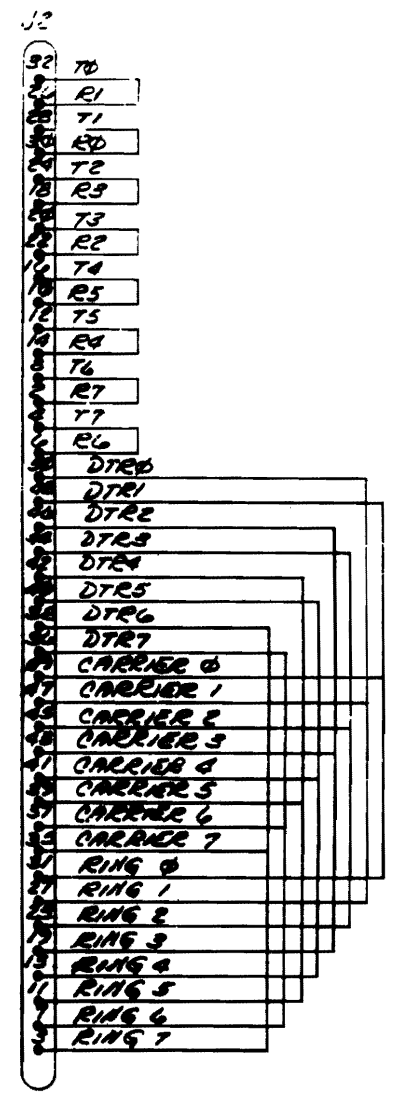
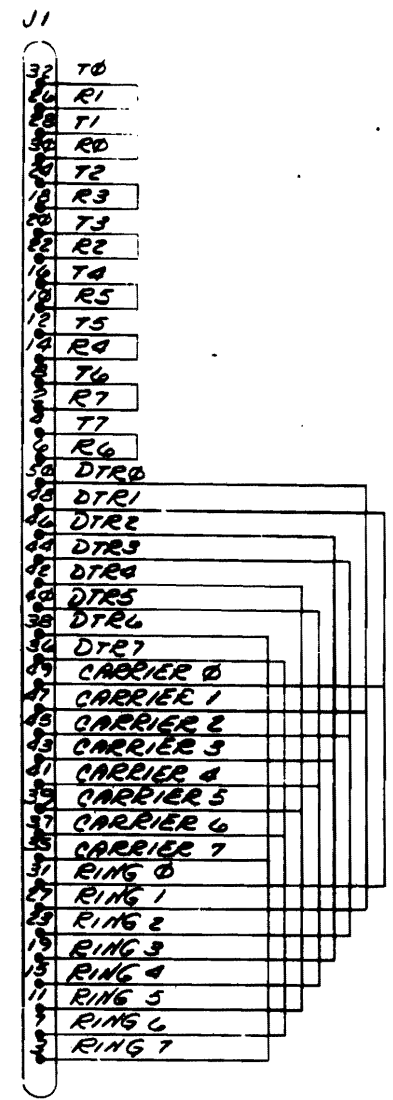
C

SCALE 2/1

SHEET 3 OF 3

DIST

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DATE	30-03-0	FIRST USED ON	DZ11
DESIGNER		TITLE	TEST CONNECTOR
SCALE		SIZE	D
NUMBER		REV.	C
DUA-H3271-0-1		DCS H3271-0-1	
SHEET 1 OF 1		DWT.	

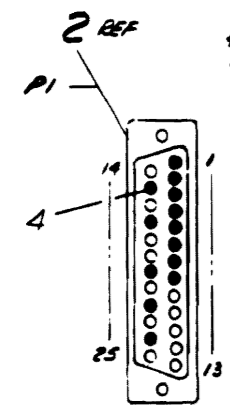
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WIRE TABLE						
NO	AWG	COLOR	CONNECTION FROM	WITH	CONNECTION TO	WITH
1	#22	BLK	P1-1	#4	P2-1	#4
1	#22	RED	P1-2	#4	P2-2	#4
1	#22	GRN	P1-3	#4	P2-3	#4
5	#26	GRN	P1-4	#4	P1-5	#4
1	#22	BLU	P1-6	#4	P2-6	#4
1	#22	WHL	P1-7	#4	P2-7	#4
1	#22	VIO	P1-8	#4	P2-8	#4
5	#26	GRN	P2-5	#4	P2-9	#4
1	#22	GRY	P1-20	#4	P2-6	#4
5	#26	GRN	P2-22	#4	P2-20	#4
1	#22	GRN	P1-6	#4	P1-22	#4
5	#26	GRN	P1-6	#4	P1-22	#4
1	#22	BRN	P1-15	#4	P2-17	#4
5	#26	GRN	P1-15	#4	P1-24	#4
1	#22	WHT	P1-17	#4	P2-15	#4
5	#26	GRN	P2-24	#4	P2-15	#4

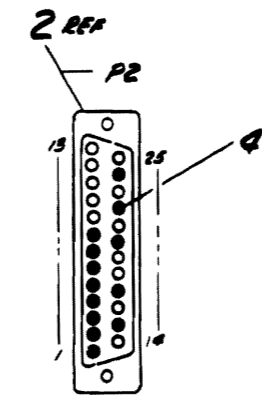
NUMBER	VARIATION	
	DIM 'X'	DIM 'Y' REF
BCBSP-2	2 FT ± 1 IN.	2 FT 1 IN ± 3 IN
BCBSP-23	23 FT ± 3 IN	23 FT 1 IN ± 3 IN
BCBSP-50	50 FT ± 10 IN	50 FT 1 IN ± 10 IN
BCBSP-90	90 FT ± 20 IN	90 FT 1 IN ± 20 IN

NOTES:

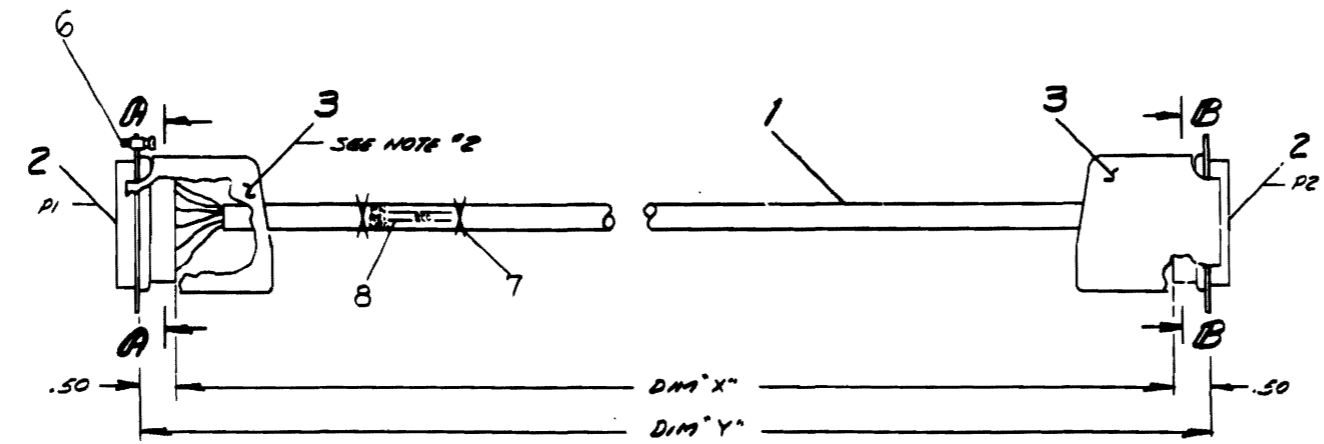
- DO NOT USE LONG BCBSP CABLES BETWEEN SWITCHING DEVICES BECAUSE THE UNSHIELDED TIMING LEADS (PIN 15 AND 17) CAN CAUSE CROSSTALK. THE BCBSP-2 IS BEST FOR THIS TYPE OF APPLICATION.
- CABLE (ITEM #1) TO GO INSIDE HOOD (ITEM #2) AT LEAST .50 AND WIRE SHOULD BE APPROXIMATELY 1.38 IN. IN LENGTH. SO THEY DON'T BUNCH INSIDE HOOD.



VIEW A-A
WITH HOOD REMOVED
SCALE: NONE



VIEW B-B
WITH HOOD REMOVED
SCALE: NONE



ITEM NO.	DESCRIPTION	QTY	PART NO.
1	LABEL, CABLE	3009532	3
2	TIE WRAP (SMALL)	3007031	7
4	SCREW, CAPTIVE ASSY.	90C9722	6
AW	WIRE #26 AWG (GRN)	91C7636-55	5
26	SOCKET, CRIMP	1210993-41	4
2	HOOD & STRAIN RELIEF	1210993-50	3
2	SMALL INSERT	1210993-32	2
90	CABLE (10 CONDUCTOR)	9A07623	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES OF 20°	CLASS OF ACCURACY	NORMAL DIMENSION RANGES					
		UP TO 1/16	1/16 TO 1/8	1/8 TO 1/4	1/4 TO 1/2	1/2 TO 1	
SURFACE QUALITY IN MICROINCHES	CHECK ONE	AS SHOWN	1.000	1.010	1.020	1.040	1.060
		PREFERRED	1.012	1.016	1.020	1.040	1.060

QUANTITY & VARIATION: 1

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

NEXT HIGHER ASSY.

MATERIAL: SEE PARTS LIST

FINISH: 1/1

SIZE CODE: DIA

NUMBER: BC03P-0-0

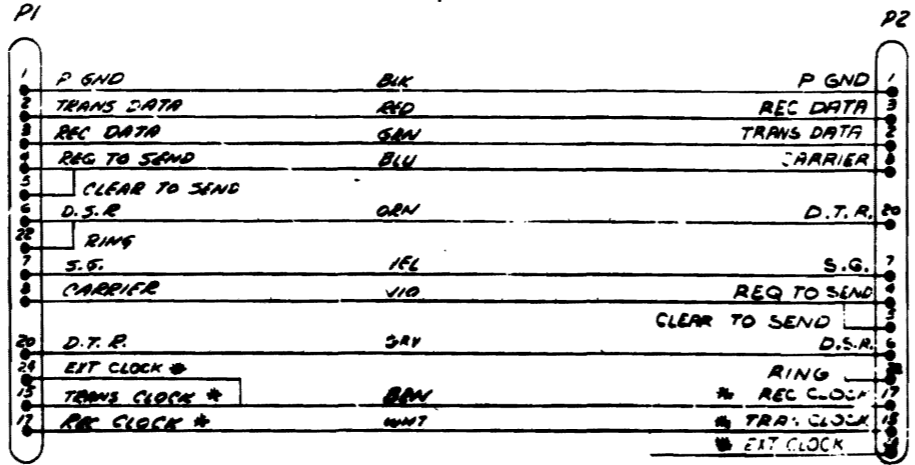
REV: B

SHEET: 1 OF 2

DIST.

REV. 1
DATE 12-3-75
BY R. CONNER
CHECKED BY R. CONNER
DATE 12-3-75
APPROVED BY R. CONNER
DATE 12-3-75

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* SEE NOTE #1

REV	DATE	BY	CHKD

TITLE	SIZE	CODE	NUMBER	REV.
NULL MODEM CABLE ASSY	DIA	BC03P-0-0		E
SCALE	NAME	SHEET	OF	
		2	2	

59

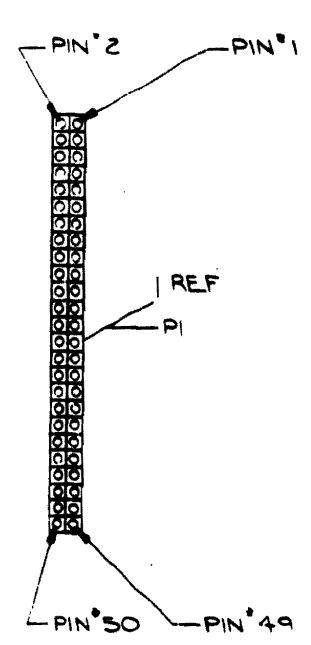
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ITEM NO	DESCRIPTION	FROM		TO	
		AWG	COLOR	CONN WITH	CONN WITH
2	#30	P1-1		P2-2	
		P1-2		P2-1	
		P1-3		P2-4	
		P1-4		P2-3	
		P1-5		P2-6	
		P1-6		P2-5	
		P1-7		P2-8	
		P1-8		P2-7	
		P1-9		P2-10	
		P1-10		P2-9	
		P1-11		P2-12	
		P1-12		P2-11	
		P1-13		P2-14	
		P1-14		P2-13	
		P1-15		P2-16	
		P1-16		P2-15	
		P1-17		P2-18	
		P1-18		P2-17	
		P1-19		P2-20	
		P1-20		P2-19	
		P1-21		P2-22	
		P1-22		P2-21	
		P1-23		P2-24	
		P1-24		P2-23	
		P1-25		P2-24	

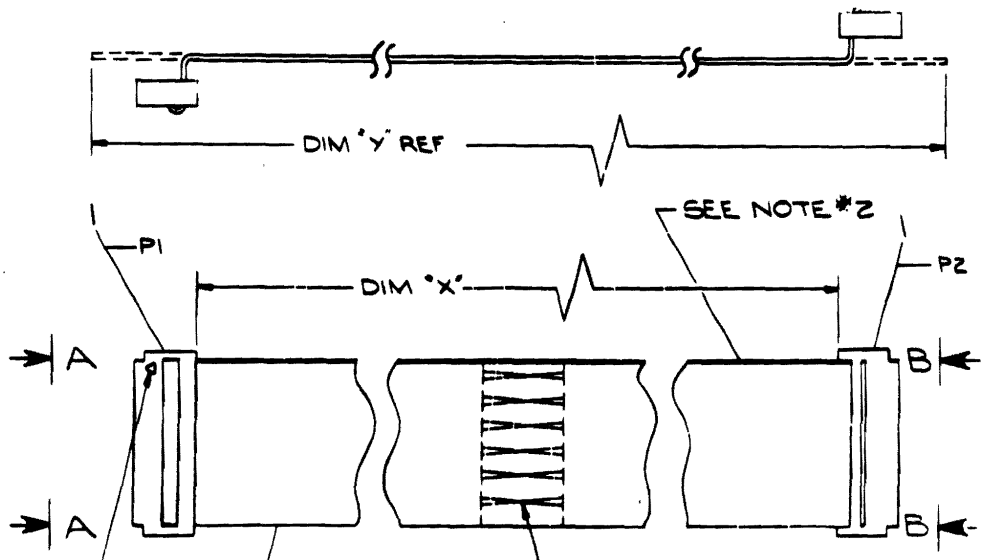
ITEM NO	DESCRIPTION	FROM		TO	
		AWG	COLOR	CONN WITH	CONN WITH
2	#30	P1-26		P2-25	
		P1-27		P2-28	
		P1-28		P2-27	
		P1-29		P2-30	
		P1-30		P2-29	
		P1-31		P2-32	
		P1-32		P2-31	
		P1-33		P2-34	
		P1-34		P2-33	
		P1-35		P2-36	
		P1-36		P2-35	
		P1-37		P2-38	
		P1-38		P2-37	
		P1-39		P2-40	
		P1-40		P2-39	
		P1-41		P2-42	
		P1-42		P2-41	
		P1-43		P2-44	
		P1-44		P2-43	
		P1-45		P2-46	
		P1-46		P2-45	
		P1-47		P2-48	
		P1-48		P2-47	
		P1-49		P2-50	
		P1-50		P2-49	

NUMBER	DIM 'X' VARIATION	DIM 'Y' (PRECUT) REF
BC06L-0J	8 IN ± .5 IN	9 IN ± .5 IN
BC06L-1K	1 FT 9 IN ± 1 IN	1 FT 10 IN ± 1 IN
BC06L-7K	7 FT 9 IN ± 2 IN	7 FT 10 IN ± 2 IN
BC06L-4B	4 FT 2 IN ± 2 IN	4 FT 3 IN ± 2 IN

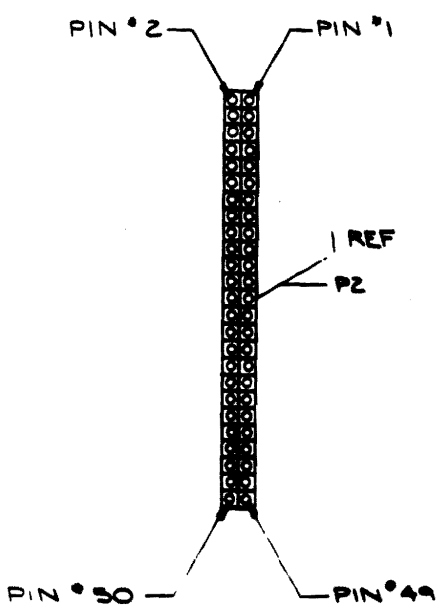
- NOTES:
- 'CABLE' (ITEM #2) CONTAINS A TWIST SECTION EVERY 21 INCHES. THERE MUST BE AN ODD NUMBER OF TWIST SECTIONS IN EVERY BC06L LENGTH VARIATION.
 - IF RED STRIPING APPEARS ON 'CABLE' (ITEM #2) IT IS TO BE POSITIONED AS SHOWN.



VIEW A-A



SEE NOTE #1
SEE NOTE #2
WIRE TWIST SECTION(S) TO BE LOCATED IN APPROX CENTER OF CABLE AND A MINIMUM OF 3 IN FROM CONNECTOR
TRIANGLE INDICATES PIN #1 (2 PLCS)



VIEW B-B

REV	DATE	BY	CHKD
1	10/10/77	J. OBER	
2			

AR	CABLE, RIBBON 50 COND	1700081-01	2
Z	CONN 50 PIN SMT	1211664-00	1
DESCRIPTION		QTY	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLE	AS SHOWN		
SURFACE QUALITY	AS SHOWN		
FINISH	AS SHOWN		
QUANTITY & VARIATION			
THIRD ANGLE PROJECTION			
REMOVE BURRS AND BREAK SHARP CORNERS			
DO NOT SCALE DIMS			
MATERIAL	SEE PARTS LIST		
SCALE			
SHEET			
FIRST USED ON		DATE	REV.
H7004-C		10/10/77	1
TITLE		NUMBER	
MIRROR IMAGE CABLE		D JAI BC06L-0-0	A

