FIELD MAINTENANCE PRINT SET

DZ11

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UNIT VARIATIONS COVERED BY THIS PRINT SET
DZ11-A
DZ11-E
DZ11-B
DZ11-AA
DZ11-BA
DZ11-EA

DZ11-A,B,E (EIA)

Field Maintenance Print Set

Digital Equipment Corporation

PRINT SET ORDER NUMBER MPØØ132

REVISIONS		
REV.	CHG. NO.	DATE
A	DZ11-3	8-77
B	DZ11-MKØØ5	5-78
C	DZ11-MK7	5-79

USED ON OPTION/MODEL: DZ11

SHEET 1 OF 1

DRN. K. DAVIS	DATE 5/5/76
CHK'D P. Cappel...	DATE 5-19-76
PROJ. ENG.	DATE
FIELD SERV. ...	DATE 5-12-76

digital

TITLE: DZ11-A,B,E FIELD MAINTENANCE PRINT SET

SIZE	CODE	NUMBER	REV.
B	TC	DZ11-Ø-6	C

DIST.

D5/1

SIZE	CODE	NUMBER	REV.
B	DD	M7819-Ø	M

DRAWING NO.	NO. OF SHTS	PART NO.	DESCRIPTION	REVISIONS										
D-UA-M7819-Ø-Ø	1		8 LINE EIA ASYNCHRONOUS MUX	B	B	D	E	F	F	H	J	K	L	M
K-PL-M7819-Ø-Ø	4		8 LINE EIA ASYNCHRONOUS MUX	B	C	D	E	F	F	H	J	K	L	L
D-CS-M7819-Ø-1	15		8 LINE EIA ASYNCHRONOUS MUX	B	C	D	E	F	F	H	J	K	L	L
~~D-AH-M7819-0-5~~	~~1~~		~~8 LINE EIA ASYNCHRONOUS MUX~~	~~B~~	~~B~~	~~C~~	~~D~~	~~E~~	~~E~~	~~H~~	~~E~~	~~F~~	~~F~~	
		5011820	ETCHED BOARD	C	C	C	D	E	E	E	E	F	F	F
K-PC-M7819-Ø-DBG			P.C. DESIGN DATA BASE	REF	-	-	-	-	-	-	-	-	-	E
~~M7819-0-PL~~			~~INSERTION P/L DATA BASE~~	~~REF~~										
~~B-MH-M7819-0-6~~	~~2~~		~~MODULE ECO HISTORY~~	~~REF~~	~~-~~	~~-~~	~~-~~	~~E~~	~~E~~	~~H~~	~~J~~	~~K~~	~~L~~	
D-BD-M7819-Ø-8	1		M7819 BLOCK DIAGRAM	A	A	A	A	A	A	A	A	A	A	A
A-SP-M7819-Ø	3		SPECIFICATION	-	-	-	-	-	-	-	*	A	A	A
D-MD-5Ø11820-Ø-Ø	2		DRILL & ETCH ASSY										-	A
D-EC-5Ø11820-Ø-Ø	2		ETCH CUT DRAWING											A

NOTES:

REVISIONS											
REV.		B	C	D	E	F	H	J	K	L	M
CHG NO.		ØØØØ1	ØØØØ2	ØØØØ3	ØØØØ4	ØØØØ5	MKØØ6	MKØØ7	MKØØ9	MKØ1Ø	MKØ11
DATE		7 JUN 76	8-76	14 OCT 76	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

digital

USED ON OPTION/MODEL				TITLE 8 LINE EIA ASYNCHRONOUS MUX
		DRN R. Kipperic	3-2-76	
		CHK'D R. Kipperic	3-2-76	
		ENG [illegible]	3-2-76	SIZE B · CODE DD · NUMBER M7819-Ø · REV. M
		PROD R. Wall	3-2-76	SHEET 1 OF 2

MK

NR

SIZE	CODE	NUMBER	REV
B	DD	M7819-Ø	M

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS	
D-UA-M7819-Ø-Ø	1		8LINE EIA ASYNCHRONOUS MUX	D1	E1
B-PL-M7819-Ø-Ø	4		8LINE EIA ASYNCHRONOUS MUX	D1	E1
D-CS-M7819-Ø-1	15		8LINE EIA ASYNCHRONOUS MUX	D1	E1
D-AH-M7819-Ø-5	1		8LINE EIA ASYNCHRONOUS MUX	D	E
		5011820	ETCHED BOARD	D	E
M7819-Ø-L			PC DESIGN DATA BASE	REF	—
M7819-Ø-PL			INSERTION P/L DATA BASE	REF	—
B-MH-M7819-Ø-6	2		MODULE ECO HISTORY	F	F
D-BD-M7819-Ø-8			M7819 BLOCK DIAGRAM	A	A

NOTES:

REVISIONS		
REV.	F	F
CHG NO.	MKØØ5	MKØØ5
DATE		

digital

USED ON OPTION/MODEL

DRN.	R. KOPPENAL	3-2-76
CHK'D	R. KOPPENAL	3-2-76
ENG.	R. CORMIER	3-2-76
PROD.	R. WALL	3-2-76

TITLE 8 LINE EIA ASYNCHRONOUS MUX

SIZE B CODE DD NUMBER M7819-Ø REV. M

SHEET 2 OF 2

MK

DRB 126

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	YA	YB	YC	REFERENCE DESIGNATOR
1	1	D-MD-5011820-0-0	5011820-00	M7819	1	1	1	1	
2	2		1000025-00	560.0 MMF 100V 5%200PPM DM15S	2	2	2	2	C53,C92
3	3		1000018-00	120.0 MMF 100V 5%200PPM DM15S	2	2	2	2	C96,C99
4	4		1000024-00	470.0 MMF 100V 5%200PPM DM15S	26	26	26	26	C93,C100-C122,C131,C132
5	5		1000042-00	1000.0 MMF 100V 5%200PPM DM15S	1	1	1	1	C98
6	6		1001610-00	.01 MFD 50V -20+80 Z5U AXIAL	91	91	91	91	C1-C52,C54-C91,C130
7	7		1000010-00	39.0 MMF 100V 5%200PPM DM15S	1	1	1	1	C97
8	8		1005306-00	6.8MFD 35V 10% S.TANT	6	6	6	6	C123-C126,C128,C129
9	9		1000021-00	220.0 MMF 100V 5%200PPM DM15S	1	1	1	1	C95
10	10		1000023-00	330.0 MMF 100V 5%200PPM DM15S	1	1	1	1	C94
11	11		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	2	2	2	2	D1,D5
12	12		1109943-00	1N 4733A VZ= 5.1 5% 1W Y	2	2	2	2	D2,D6
13	13		1103340-00	1N 4736A VZ= 6.8 5% 1W Y	2	2	2	2	D3,D7
14	14		1101938-00	1N 4370A VZ= 2.4 5% .40W	2	2	2	2	D4,D8
15	15		1905547-00	7474 FF-D DUAL,EDGE TRIGG	1	1	1	1	E96
16	16		1909705-00	DEC 8881 NAND GATE-QUAD 2IN O	1	1	1	1	E72
17	17		1910091-00	DEC 7437 AND GATE-QUAD 2IN,BU	2	2	2	2	E24,E68
18	18		1910322-00	DEC 1488L DRIVER,LINE,QUAD,EI	4	4	4	4	E7-E10
19	19		1910323-00	DEC 1489L RECEIVER,LINE,QUAD,	6	6	6	6	E1-E6
20	20		1910454-00	DEC 9318 ENCODER, 8 INPUT PRI	1	1	1	1	E82
21	21		2114137-50	UART MOS,REF:19-10459-01 OR 21-1	8	8	8	8	E44-E51
22	22		1910951-00	9602 ONE SHOT-DUAL	2	2	2	2	E78,E106
23	23		1911116-00	DEC 8837 RECEIVER,BUS,HEX,UN	1	1	1	1	E70
24	24		1911579-00	8641 TRANSCEIVER,BUS,QUA	4	4	4	4	E28,E29,E36,E37
25	25		1912083-00	DEC 8647 UNIBUS INTERRUPT CON	2	2	2	2	E89,E90
26	26		1912395-00	DM 8136 COMPARATOR-6BIT UNIF	3	3	3	3	E61,E71,E80
27	27		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	4	4	4	4	E23,E73,E76,E99
28	28		1912801-00	LS02 NOR-GATE-QUAD 2IN	1	1	1	1	E108
29	29		1912803-00	LS04 INVERTER GATE-HEX 1I	5	5	5	5	E12-E14,E86,E101
30	30		1912805-00	LS08 AND GATE-QUAD 2IN,PO	4	4	4	4	E63,E65,E87,E107

REVISION HISTORY

ENG	ECO NUMBER	REV
RH	M7819-MK010	L

BASIC PART NO: M7819

SECTION A OF B

SECTION.VARIATION INDEX
[A] 00,YA,YB,YC
[B] YD
[C]
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[J]
[K]
[L]
[M]
[N]

DRN: ANDY KRAWIECKI DATE: 18-MAY-79

CHK'D: KENT GLEEZEN DATE: 18-MAY-78

DES.ENG: BOB CORMIER DATE: 18-MAY-78

RESP.ENG.: RAY HARRINGTON Ray Harrington DATE: 21-MAR-80 14 April 80

MFG.ENG.: BOB MULLIN DATE: 21-MAR-80

ASSEMBLY NUMBER: D-UA-M7819-0-0

TOP DOCUMENT NUMBER: B-DD-M7819-0-0

DBP D I G I T A L

TITLE PARTS LIST

8 LINE EIA ASYNCHRONOUS MUX

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV
K	PL	M7819-0-0	L

FILE NAME: M7819.PLS EDIT #: 15

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	YA	YB	YC	REFERENCE DESIGNATOR
31	31		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1	1	1	1	E97
32	32		1912811-00	LS21 AND GATE-DUAL 4IN,PO	1	1	1	1	E69
33	33		1912816-00	LS32 OR GATE-QUAD 2IN,POS	2	2	2	2	E84,E100
34	34		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	4	4	4	4	E77,E85,E88,E109
35	35		1912830-00	LS90 COUNTER,ASYNCH UP,DE	1	1	1	1	E66
36	36		1912842-00	LS138 DECODER-THREE INPUT,	2	2	2	2	E74,E75
37	37		1912844-00	LS151 MUX 1 OF 8 & DATA	2	2	2	2	E91,E92
38	38		1912845-00	LS153 MUX 1 OF 4 (DUAL)	8	8	8	8	E30-E33,E38-E41
39	39		1912846-00	LS155 DECODER,2 OF 4(DUAL)	3	3	3	3	E83,E94,E95
40	40		1912847-00	LS157 MUX 1 OF 2(QUAD)	5	5	5	5	E19-E22,E102
41	41		1912853-00	LS175 FF-D QUAD	12	12	12	12	E15-E18,E26,E27,E34,E35,E42,E43,
								CONT	E93,E104
42	42		1912860-00	LS259 LATCH 8BIT	3	3	3	3	E62,E64,E103
43	43		2111188-00	3341 64X4 FIFO MEMORY	4	4	4	4	E57-E60
44	44		2112623-00	DUAL BAUD RATE GEN/PROG DIVIDER,	4	4	4	4	E53-E56
45	45		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	2	2	2	2	E79,E105
46	46		1300202-00	47.0 .25 W 5.0 % CC	5	5	5	5	R1-R5
47	47		1300229-00	100.0 .25 W 5.0 % CC	4	4	4	4	R13,R15,R67,R68
48	48		1300309-00	390.0 .25 W 5.0 % CC	1	1	1	1	R30
49	49		1300365-00	1.0 K .25 W 5.0 % CC	5	5	5	5	R11,R12,R14,R27,R61
50	50		1300479-00	10.0 K .25 W 5.0 % CC	17	17	17	17	R16-R25,R31-R36,R62
51	51	BLANK		*** THIS ITEM IS NOT USED ***	-	-	-	-	
52	52		1301322-00	180.0 .25 W 5.0 % CC	4	4	4	4	R26,R28,R29,R63
53	53		1301874-00	5.60 K .25 W 5.0 % CC	2	2	2	2	R64,R65
54	54		1302177-00	47.0 K .25 W 5.0 % CC	25	25	25	25	R66,R37-R60
55	55		1209838-00	SOCKET 16PIN	1	1	1	1	XE52
56	56		1209941-03	HEADER RT ANGLE LEFT L	1	1	1	1	
57	57		1209941-04	HEADER RT ANGLE,RIGHT	1	1	1	1	
58	58		1209941-07	HEADER.100 50POS RT ANGLE	1	1	1	1	J1
59	59		1210711-02	HANDLE,MODULE,HEX	1	1	1	1	
60	60		1211164-04	SW,DIP 1P 1A 8POS	1	1	1	1	E11
61	61		1211164-06	SW,DIP 1P 1A 10POS	1	1	1	1	E81
62	62		5408778-00	PLUG PRIORITY	1	1	1	1	E52
63	63		9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	2	2	2	2	
64	64		9000024-01	EYELET, ROLLED FLANGE, .121 OD X	12	12	12	12	
65	65		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1	1	1	1	W1
66	66		1811660-02	OSCILLATOR, XTAL 5.0688 MHZ	1	-	-	-	E67
67	67		1811660-08	OSCILLATOR, XTAL 2.619 MHZ	-	1	-	-	E67
68	68		1811660-09	OSCILLATOR, XTAL 3.0737 MHZ	-	-	1	-	E67
69	69		2M1213A-00	OSCILLATOR, XTAL 3.3792 MHZ	-	-	-	1	E67
70	70		2M1215A-00	*** THIS ITEM IS NOT USED ***	-	-	-	-	
71	71		1910957-00	74S175 FF-D QUAD COMMON CLO	1	1	1	1	E98

AUTOMATED BY PRTLST.3M(41)

P A R T S   L I S T

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION YD	REFERENCE DESIGNATOR
1	1	D-MD-5011820-0-0	5011820-00	M7819	1	
2	2		1000025-00	560.0 MMF 100V 5%200PPM DM15S	2	C53,C92
3	3		1000018-00	120.0 MMF 100V 5%200PPM DM15S	2	C96,C99
4	4		1000024-00	470.0 MMF 100V 5%200PPM DM15S	26	C93,C100-C122,C131,C132
5	5		1000042-00	1000.0 MMF 100V 5%200PPM DM15S	1	C98
6	6		1001610-00	.01 MFD 50V -20+80 Z5U AXIAL	91	C1-C52,C54-C91,C130
7	7		1000010-00	39.0 MMF 100V 5%200PPM DM15S	1	C97
8	8		1005306-00	6.8MFD 35V 10% S.TANT	6	C123-C126,C128,C129
9	9		1000021-00	220.0 MMF 100V 5%200PPM DM15S	1	C95
10	10		1000023-00	330.0 MMF 100V 5%200PPM DM15S	1	C94
11	11		1105796-00	1N 4004 PIV=400 I= 1A D041 SP	2	D1,D5
12	12		1109943-00	1N 4733A VZ= 5.1 5% 1W Y	2	D2,D6
13	13		1103340-00	1N 4736A VZ= 6.8 5% 1W Y	2	D3,D7
14	14		1101938-00	1N 4370A VZ= 2.4 5% .40W	2	D4,D8
15	15		1905547-00	7474 FF-D DUAL,EDGE TRIGG	1	E96
16	16		1909705-00	DEC 8881 NAND GATE-QUAD 2IN O	1	E72
17	17		1910091-00	DEC 7437 AND GATE-QUAD 2IN,BU	2	E24,E68
18	18		1910322-00	DEC 1488L DRIVER,LINE,QUAD,EI	4	E7-E10
19	19		1910323-00	DEC 1489L RECEIVER,LINE,QUAD,	6	E1-E6
20	20		1910454-00	DEC 9318 ENCODER, 8 INPUT PRI	1	E82
21	21		2114137-50	UART MOS,REF:19-10459-01 OR 21-1	8	E44-E51
22	22		1910951-00	9602 ONE SHOT-DUAL	2	E78,E106
23	23		1911116-00	DEC 8837 RECEIVER,BUS,HEX,UN	1	E70
24	24		1911579-00	8641 TRANSCEIVER,BUS,QUA	4	E28,E29,E36,E37
25	25		1912083-00	DEC 8647 UNIBUS INTERRUPT CON	2	E89,E90
26	26		1912395-00	DM 8136 COMPARATOR-6BIT UNIF	3	E61,E71,E80
27	27		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	4	E23,E73,E76,E99
28	28		1912801-00	LS02 NOR-GATE-QUAD 2IN	1	E108
29	29		1912803-00	LS04 INVERTER GATE-HEX 1I	5	E12-E14,E86,E101
30	30		1912805-00	LS08 AND GATE-QUAD 2IN,PO	4	E63,E65,E87,E107

REVISION HISTORY

ENG	ECO NUMBER	REV
RH	M7819-MK010	L

BASIC PART NO: M7819

SECTION B OF B

SECTION.VARIATION INDEX
[A] 00,YA,YB,YC
[B] YD
[C]
[D]
[E]
[F]
[H]
[J]
[K]
[L]
[M]
[N]

DRN:	ANDY KRAWIECKI	DATE: 18-MAY-79
CHK'D:	KENT GLEEZEN	DATE: 18-MAY-78
DES.ENG:	BOB CORMIER	DATE: 18-MAY-78
RESP.ENG.:	RAY HARRINGTON	DATE: 21-MAR-80
MFG.ENG.:	BOB MULLIN	DATE: 21-MAR-80

Ray Harrington 14 April 80

ASSEMBLY NUMBER: D-UA-M7819-0-0

TOP DOCUMENT NUMBER: B-DD-M7819-0-0

D I G I T A L

TITLE PARTS LIST
8 LINE EIA ASYNCHRONOUS MUX

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV
K	PL	M7819-0-0	L

FILE NAME: M7819.PLS

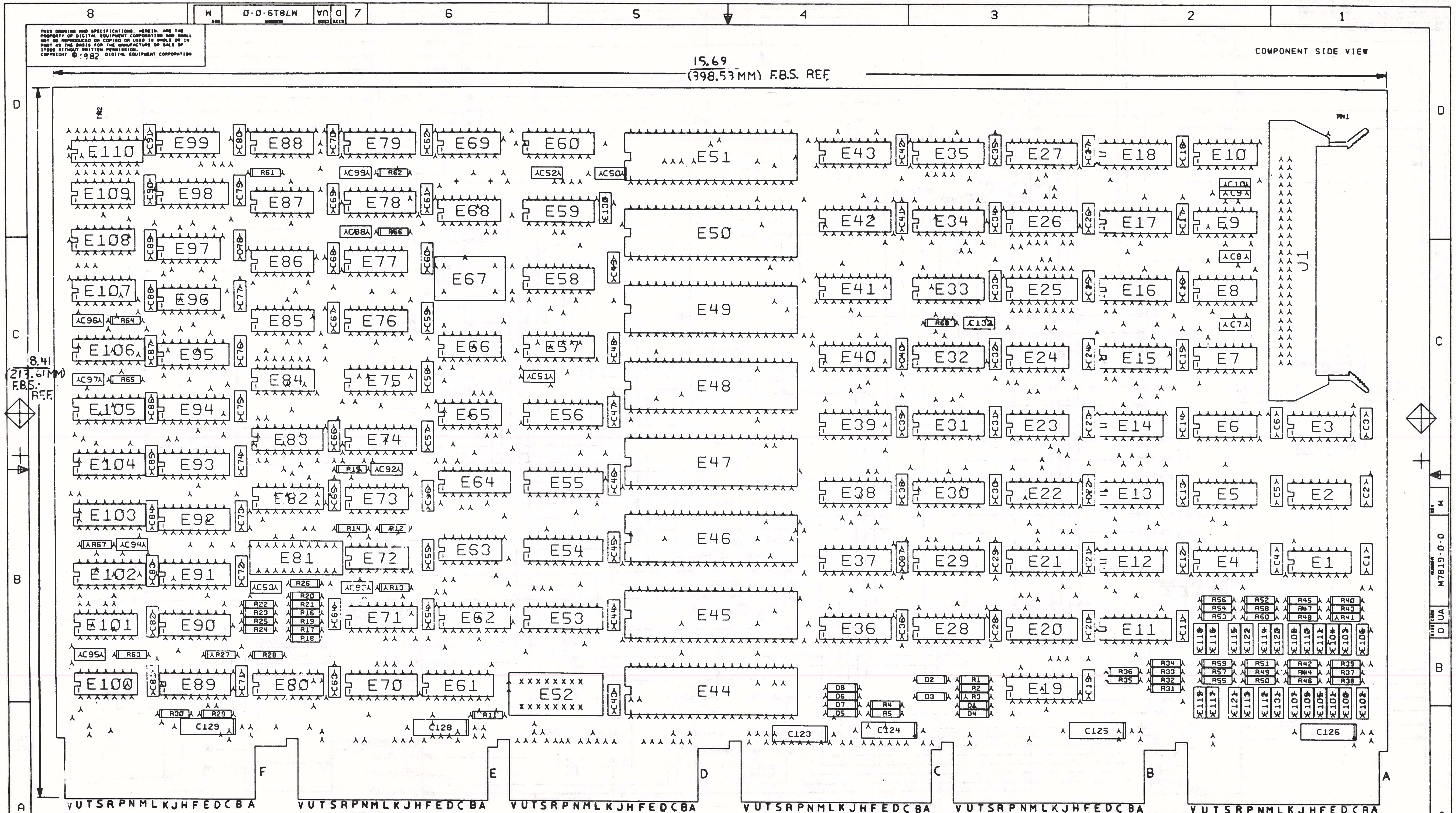
EDIT #: 15

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION YD	REFERENCE DESIGNATOR
31	31		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1	E97
32	32		1912811-00	LS21 AND GATE-DUAL 4IN,PO	1	E69
33	33		1912816-00	LS32 OR GATE-QUAD 2IN,POS	2	E84,E100
34	34		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	4	E77,E85,E88,E109
35	35		1912830-00	LS90 COUNTER,ASYNCH UP,DE	1	E66
36	36		1912842-00	LS138 DECODER-THREE INPUT,	2	E74,E75
37	37		1912844-00	LS151 MUX 1 OF 8 & DATA	2	E91,E92
38	38		1912845-00	LS153 MUX 1 OF 4 (DUAL)	8	E30-E33,E38-E41
39	39		1912846-00	LS155 DECODER,2 OF 4(DUAL)	3	E83,E94,E95
40	40		1912847-00	LS157 MUX 1 OF 2(QUAD)	5	E19-E22,E102
41	41		1912853-00	LS175 FF-D QUAD	12	E15-E18,E26,E27,E34,E35,E42,E43,
					CONT	E93,E104
42	42		1912860-00	LS259 LATCH 8BIT	3	E62,E64,E103
43	43		2111188-00	3341 64X4 FIFO MEMORY	4	E57-E60
44	44		2112623-00	DUAL BAUD RATE GEN/PROG DIVIDER,	4	E53-E56
45	45		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	2	E79,E105
46	46		1300202-00	47.0 .25 W 5.0 % CC	5	R1-R5
47	47		1300229-00	100.0 .25 W 5.0 % CC	4	R13,R15,R67,R68
48	48		1300309-00	390.0 .25 W 5.0 % CC	1	R30
49	49		1300365-00	1.0 K .25 W 5.0 % CC	5	R11,R12,R14,R27,R61
50	50		1300479-00	10.0 K .25 W 5.0 % CC	17	R16-R25,R31-R36,R62
51	51	BLANK		*** THIS ITEM IS NOT USED ***	-	
52	52		1301322-00	180.0 .25 W 5.0 % CC	4	R26,R28,R29,R63
53	53		1301874-00	5.60 K .25 W 5.0 % CC	2	R64,R65
54	54		1302177-00	47.0 K .25 W 5.0 % CC	25	R66,R37-R60
55	55		1209838-00	SOCKET 16PIN	1	XE52
56	56		1209941-03	HEADER RT ANGLE LEFT L	1	
57	57		1209941-04	HEADER RT ANGLE,RIGHT	1	
58	58		1209941-07	HEADER.100 50POS RT ANGLE	1	J1
59	59		1210711-02	HANDLE,MODULE,HEX	1	
60	60		1211164-04	SW,DIP 1P 1A 8POS	1	E11
61	61		1211164-06	SW,DIP 1P 1A 10POS	1	E81
62	62		5408778-00	PLUG PRIORITY	1	E52
63	63		9006735-00	EYELET, FUNNEL FLANGE, .059 OD X	2	
64	64		9000024-01	EYELET, ROLLED FLANGE, .121 OD X	12	
65	65		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1	W1
66	66		1811660-02	*** THIS ITEM IS NOT USED ***	-	
67	67		1811660-08	*** THIS ITEM IS NOT USED ***	-	
68	68		1811660-09	*** THIS ITEM IS NOT USED ***	-	
69	69		2M1213A-00	*** THIS ITEM IS NOT USED ***	-	
70	70		2M1215A-00	OSCILLATOR, XTAL 3.8016 MHZ	1	E67
71	71		1910957-00	74S175 FF-D QUAD COMMON CLO	1	E98

D I G I T A L	TITLE		SIZE	CODE	DOCUMENT NUMBER	REV
	8 LINE EIA ASYNCHRONOUS MUX	SECTION B OF B	K	PL	M7819-0-0	L

MK

COMPONENT SIDE VIEW



NOTES:

STEP & REPEAT	↑ Y AXIS ___ STEP ___ TIMES
	→ X AXIS ___ STEP ___ TIMES

REV	CHANGE NO	CHK
M	REDRAWN M7819-MK01	

ETCH REV. E-P2
EL

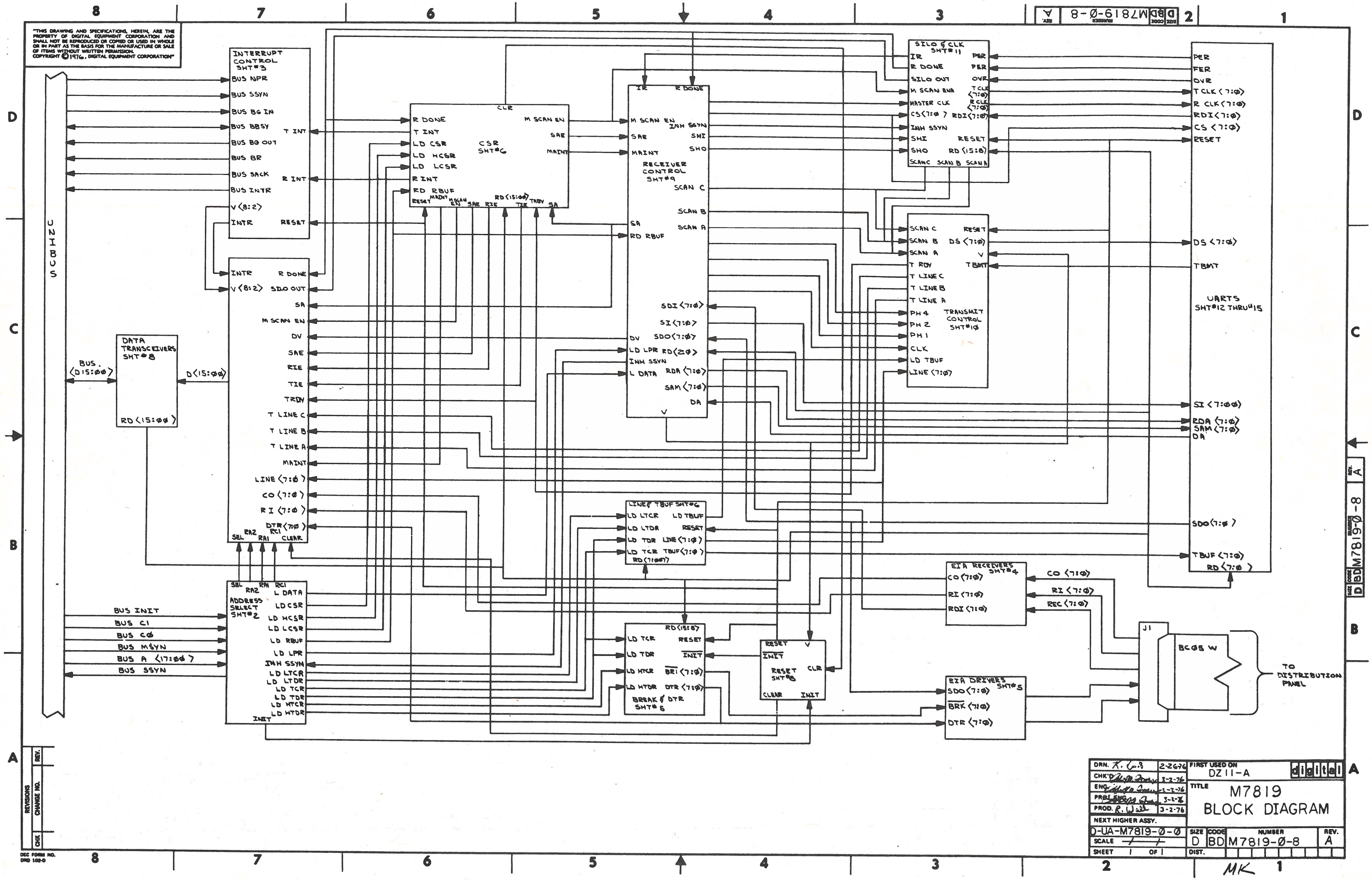
SIGNATURES	DATE
DRN. H. DENSMORE	02-SEP-82
CHK D.	
MECH. ENG. M. LAWRENCE	
PROJ. ENG. M. LAWRENCE	
PROD. A. DERICK	
SCALE 2/1	
SHT. 1 OF 1	
NEXT HIGHER ASSY. B-DD-M7819-0	

digital

TITLE 8 LINE EIA ASYNC MUX

SIZE	CODE	NUMBER	REV
D	UA	M7819-0-0	M

MK 1 WO# 301952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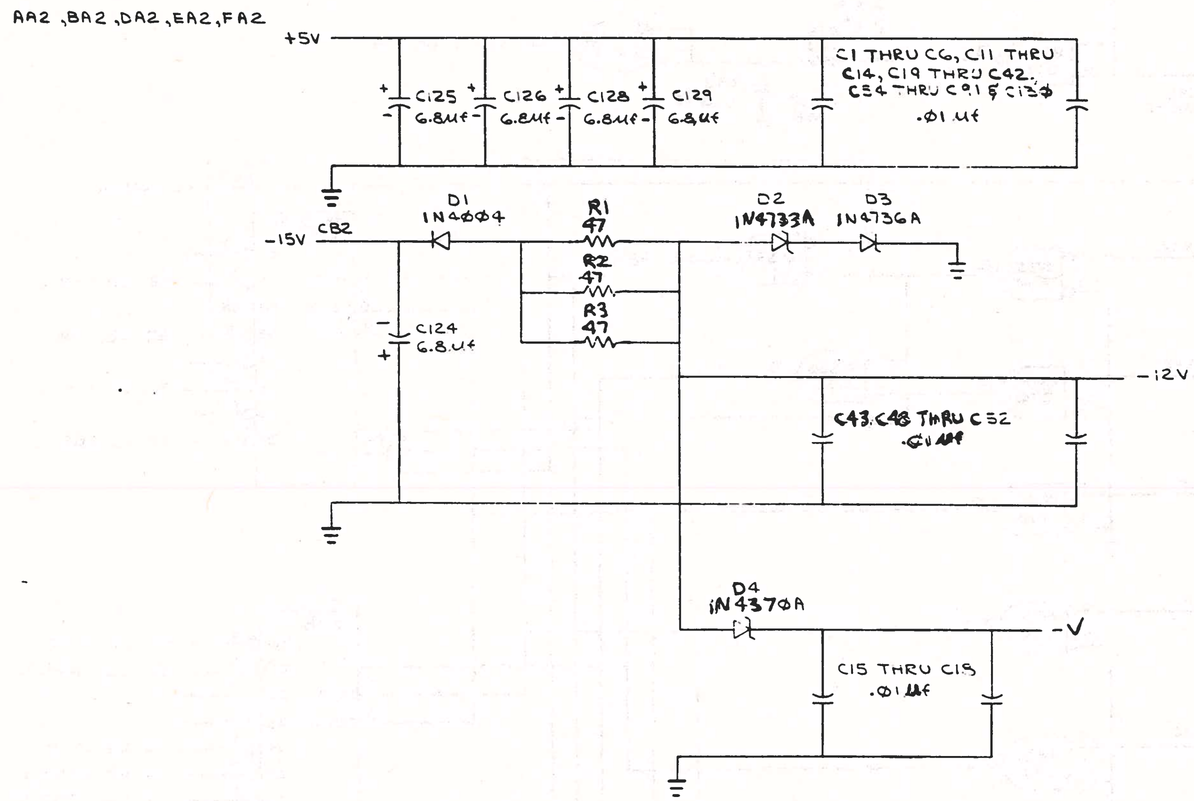
UNIBUS
INTERRUPT CONTROL SHT#3
BUS NPR
BUS SSYN
BUS BG IN
BUS BBSY
BUS BG OUT
BUS BR
BUS SACK
BUS INTR
V(8:2)
INTR
T INT
R INT
RESET
CSR SHT#6
R DONE
LD CSR
LD HCSR
LD LCSR
RD RBUF
M SCAN EN
SAE
MAINT
CLR
RD (15:00)
RECEIVER CONTROL SHT#9
IR
INH SSYN
SHI
SHO
SCAN C
SCAN B
SCAN A
SA
SDI (7:0)
SI (7:0)
SDO (7:0)
DV
LD LPR
RD (2:0)
L DATA
RDA (7:0)
SAM (7:0)
DA
SILO & CLK SHT#11
SILO OUT
MASTER CLK
CS (7:0)
PER
FER
OVR
T CLK (7:0)
R CLK (7:0)
RDI (7:0)
RD (15:0)
TRANSMIT CONTROL SHT#10
T RDY
T LINE C
T LINE B
T LINE A
PH 4
PH 2
PH 1
CLK
LD TBUF
LINE (7:0)
DS (7:0)
TBMT
UARTS SHT#12 THRU#15
SO (7:00)
SDO (7:0)
TBUF (7:0)
DATA TRANSCEIVERS SHT#8
BUS (D15:00)
D (15:00)
RD (15:00)
RIE
TIE
TRDY
CO (7:0)
RI (7:0)
DTR (7:0)
SEL
RA2
RA1
RCI
CLEAR
ADDRESS SELECT SHT#2
BUS INIT
BUS C1
BUS C0
BUS MSYN
BUS A (17:00)
BUS SSYN
LD RBUF
LD LPR
LD LTCR
LD LTDR
LD TCR
LD TDR
LD HTCR
LD HTDR
INIT
LINE & TBUF SHT#6
TBUF (7:0)
BREAK & DTR SHT#5
BRI (7:0)
DTR (7:0)
RESET SHT#5
EIA RECEIVERS SHT#4
CO (7:0)
RI (7:0)
RDI (7:0)
REC (7:0)
EIA DRIVERS SHT#5
SDO (7:0)
BRK (7:0)
DTR (7:0)
J1
BC05 W
TO DISTRIBUTION PANEL
FIRST USED ON DZ11-A
digital
TITLE M7819 BLOCK DIAGRAM
DRN. 2-26-76
CHK'D 3-2-76
ENG. 3-2-76
PROJ. ENG. 3-2-76
PROD. 3-2-76
NEXT HIGHER ASSY. D-UA-M7819-0-0
SCALE
SIZE D CODE BD NUMBER M7819-0-8 REV. A
SHEET 1 OF 1
DIST.
MK
REVISIONS
DEC FORM NO. DRD 102-0

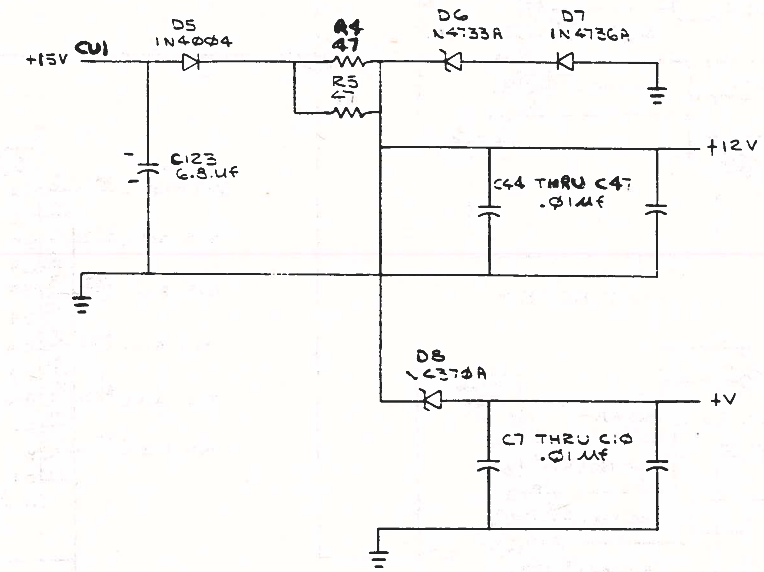
POWER & GROUND TABLE

IC TYPE	GND	+5V	+12V	-12V	V+	V-
UART (16Ø2)	PIN 3	PIN 1	—	PIN2	—	—
DEC 5Ø16	PIN 11	PIN 2	PIN 9	—	—	—
DEC 3341	PIN 8	PIN 16	—	PIN 1	—	—
DEC 1488	PIN 7	—	—	—	PIN 14	PIN 1
14 PIN IC'S	PIN 7	PIN 14	—	—	—	—
16 PIN IC'S	PIN 8	PIN 16	—	—	—	—
DEC 74LS9Ø	PIN 1Ø	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 E52 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'.



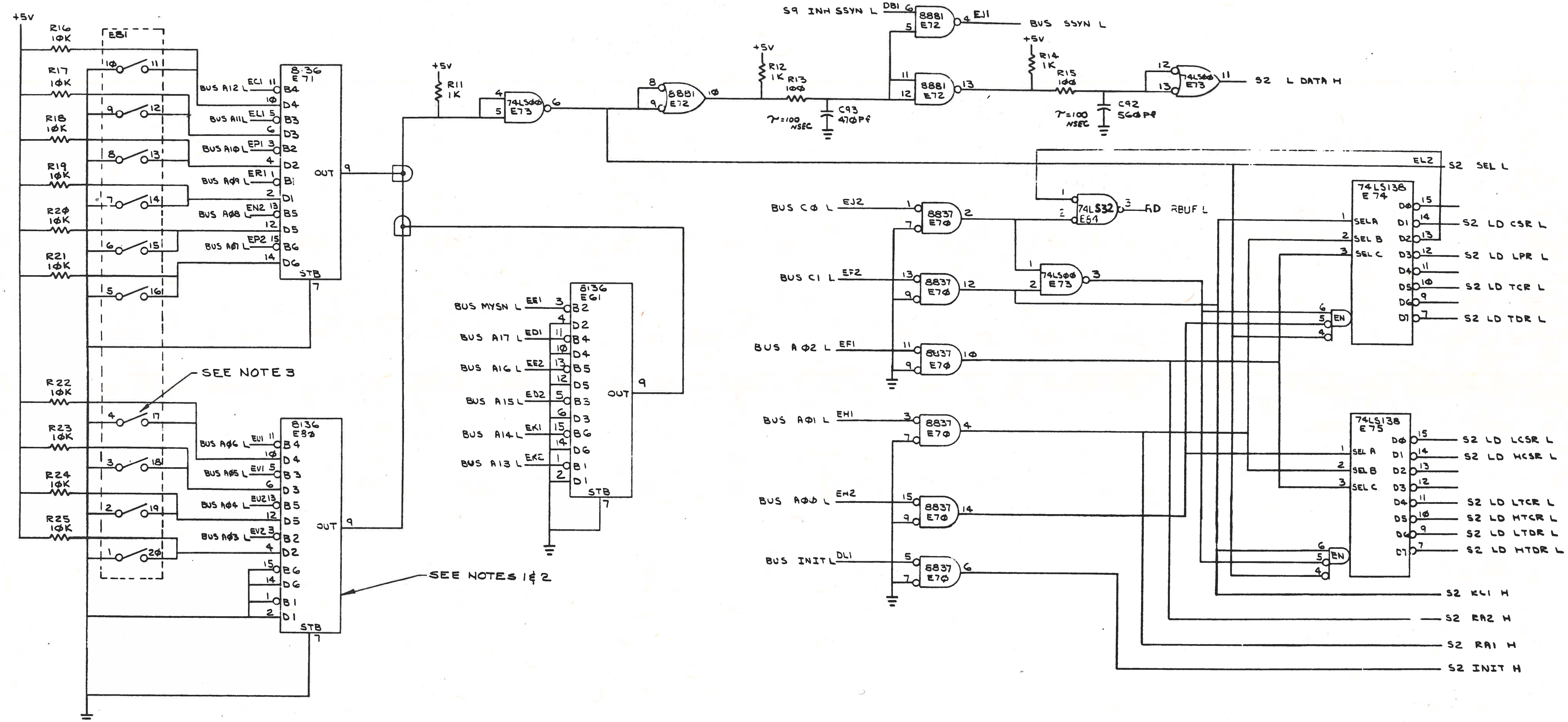


REVISIONS: M7819-00004 F, M7819-MK006 H, M7819-MK007 J, M7819-MK009 K, M7819-MK010 L — J. ROBERTS, R. HARRINGTON

(POWER AND GROUND)

DRN.	2-11-76
CHK'D	3-2-76
ENG.	3-2-76
PROJ. ENG.	3-2-76
PROD.	3-2-76
FIRST USED ON	M7819
TITLE	6 LINE EIA ASYNCHRONOUS MUX (S1)
NEXT HIGHER ASSY.	D-UA-M7819-Ø-Ø
SIZE	D
CODE	CS
NUMBER	M7819-Ø-1
REV.	L
SHEET	1 OF 15

digital



REVISIONS		
CHK	CHANGE NO.	REV.

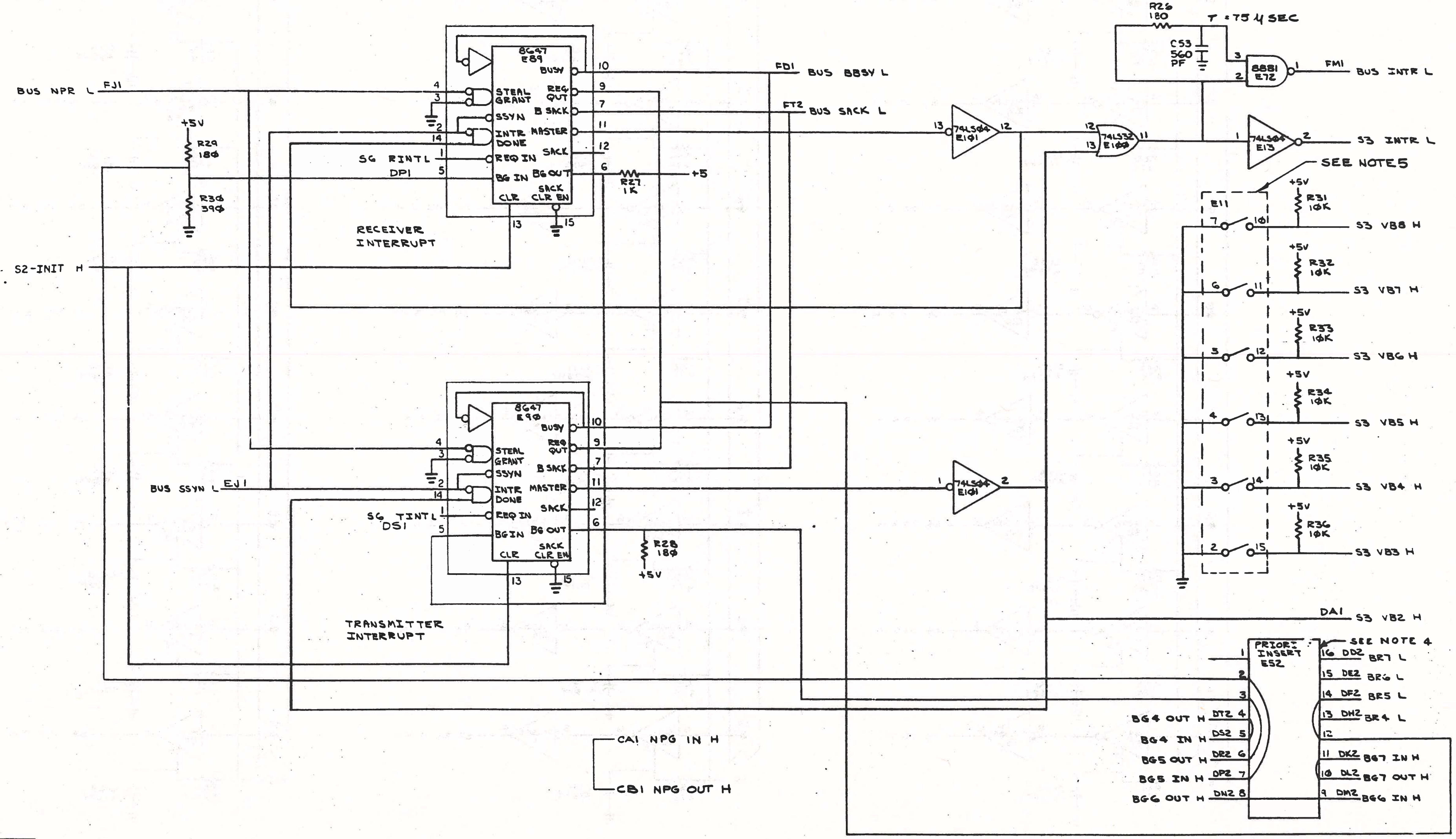
(ADDRESS SELECT)

TITLE 8 LINE EIA ASYNCHRONOUS MUX (S2)

SIZE	CODE	NUMBER	REV.
D	CS	M7819-Ø-1	L

SCALE — SHEET 2 OF 15 DIST.

MK



REVISIONS		
CHK	CHANGE NO.	REV.

(INTERRUPT CONTROL)

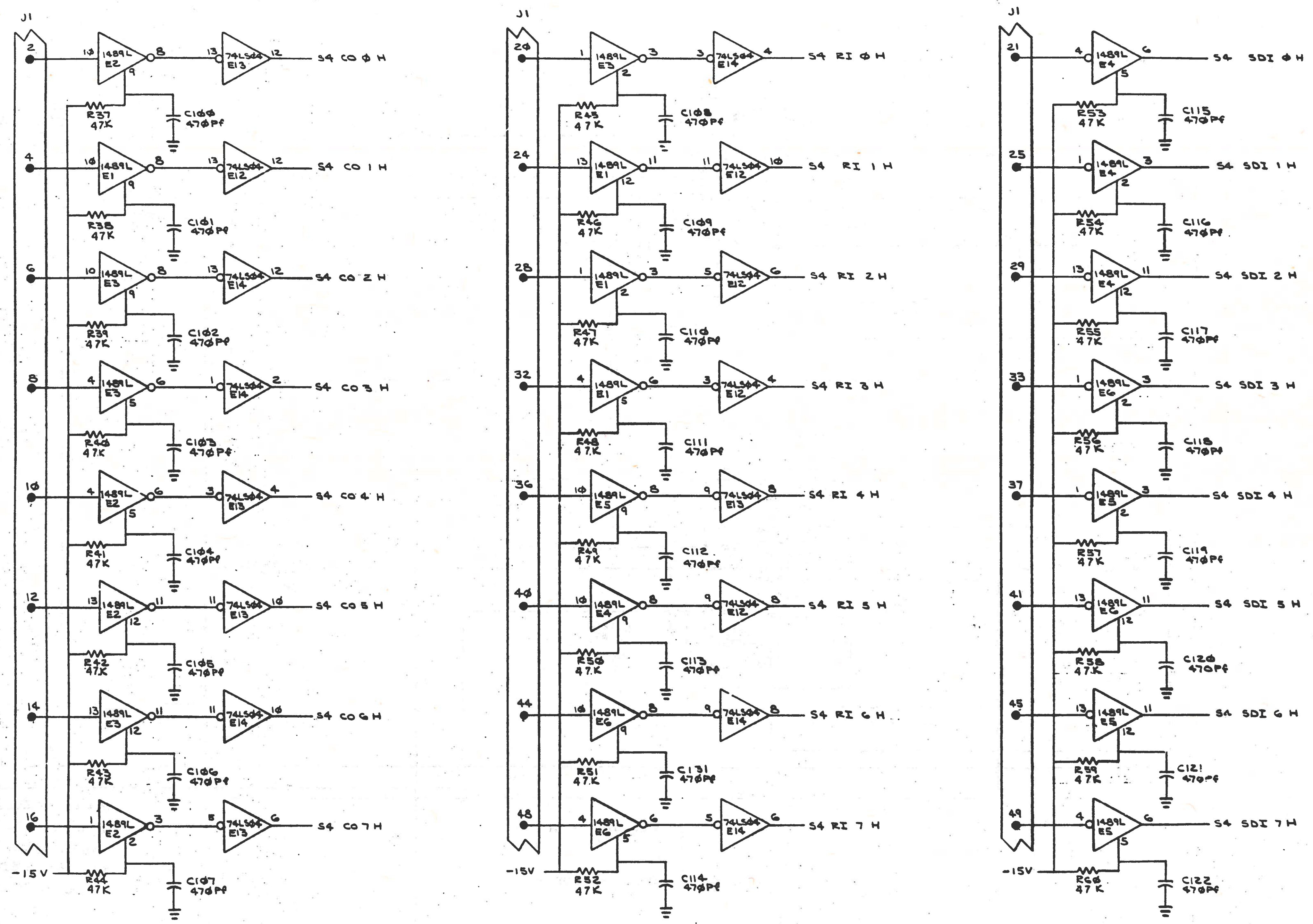
TITLE 8 LINE EIA ASYNCHRONOUS MUX (S3)

SIZE D | CODE CS | NUMBER M7819-Ø-1 | REV. L

SCALE — | SHEET 3 OF 15 | DIST.

MK

DEC FORM NO. DRD 12B



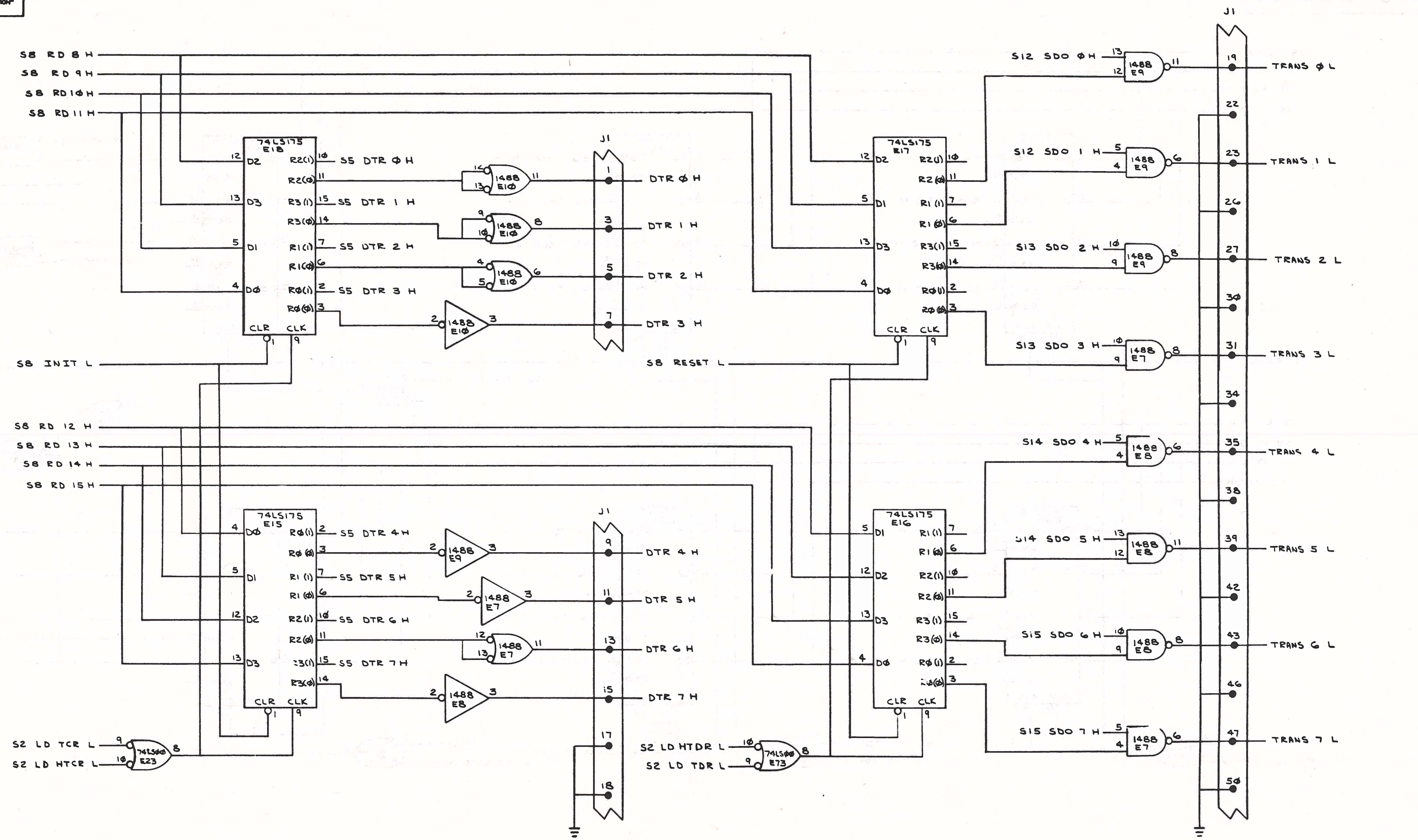
REVISIONS		
CHK	CHANGE NO.	REV.

(EIA RECEIVERS)

TITLE	SIZE	CODE	NUMBER	REV.
8 LINE EIA ASYNCHRONOUS MUX (S4)	D	CS	M7819-Ø-1	L
SCALE	SHEET 4 OF 15		DIST.	

MK

DEC FORM NO. DRD 130



(DTR & BRK & EIA TRANSMITTER)

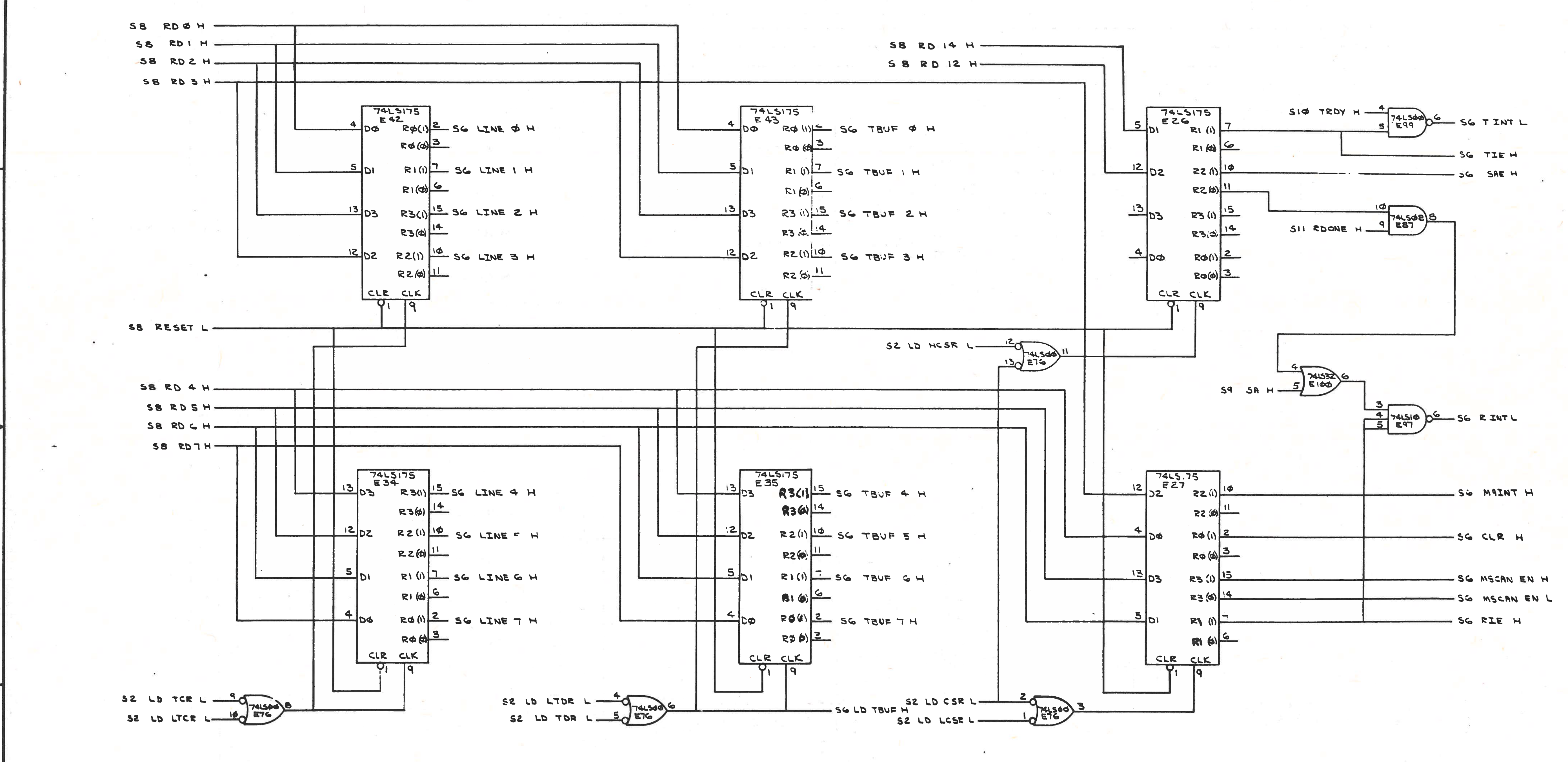
TITLE	8 LINE EIA ASYNCHRONOUS MUX (S5)
SIZE	D
CODE	CS
NUMBER	M7819-Ø-1
REV.	L
SCALE	—
SHEET	5 OF 15

MK

REVISIONS — CHK | CHANGE NO. | REV.

DEC FORM NO. TDD 138

D CS M7819-Ø-1 L



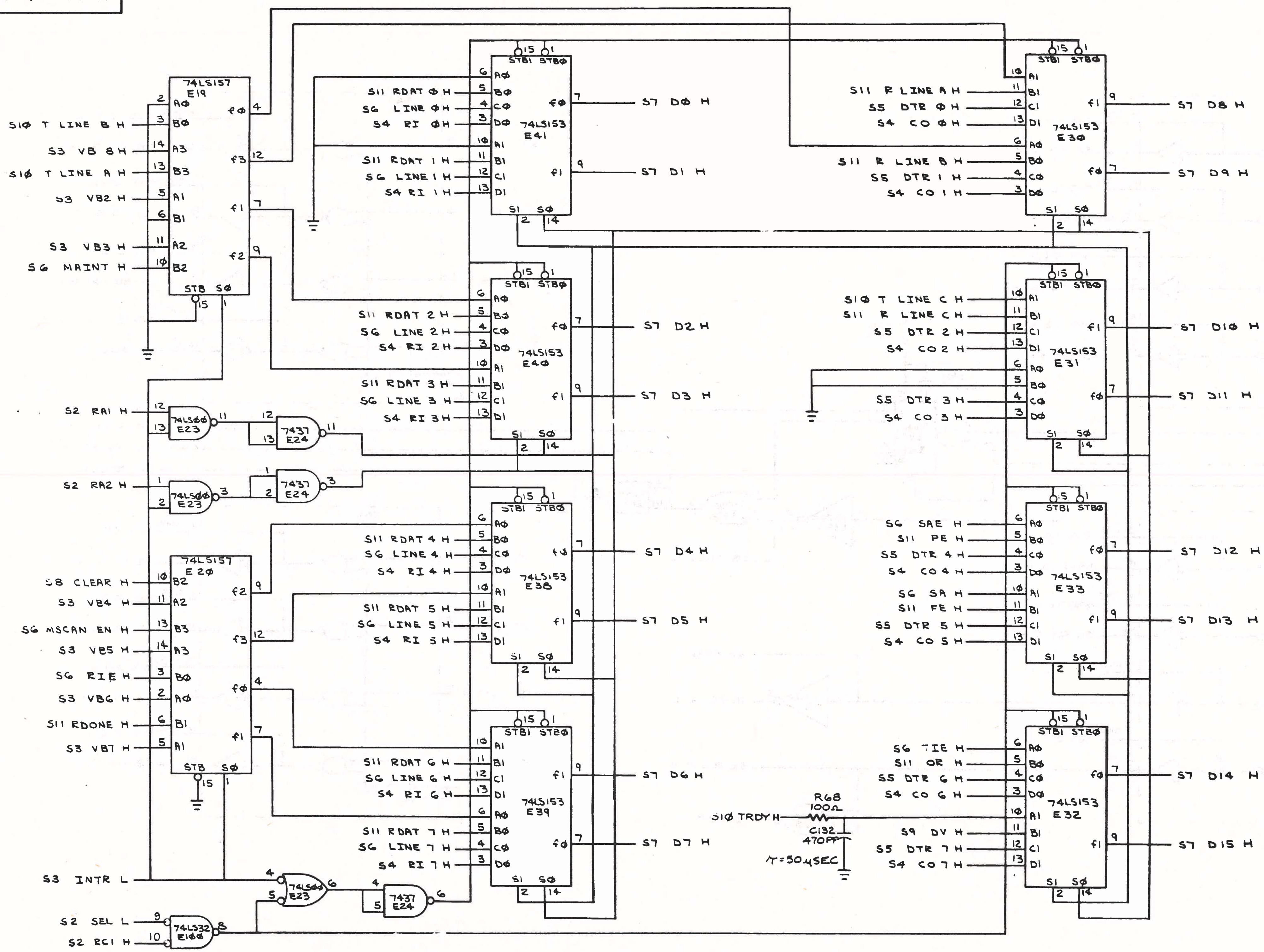
REVISIONS		
CHK	CHANGE NO.	REV.

(REGISTERS)

TITLE 8 LINE EIA ASYNCHRONOUS MUX (S6)

SIZE	CODE	NUMBER	REV.
D	CS	M7819-0-1	L

SCALE —/— SHEET 6 OF 15 DIST.

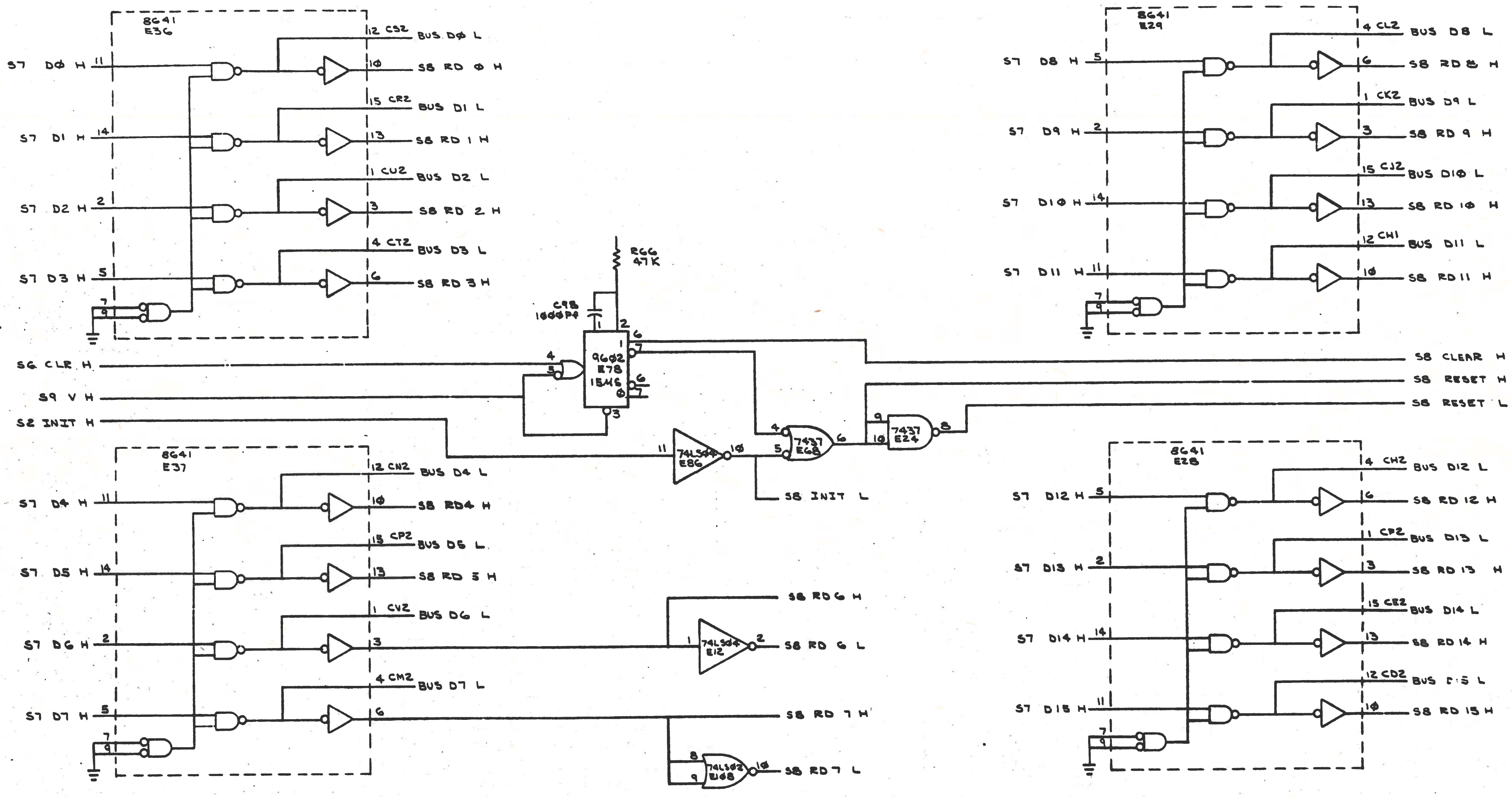


(OUTPUT DATA MULTIPLEXER)

TITLE 8 LINE EIA ASYNCHRONOUS MUX (S7)	SIZE D	CODE CS	NUMBER M7819-Ø-1	REV. L
SCALE	SHEET 7 OF 15	DIST.		

REVISIONS: CHK | CHANGE NO. | REV.

MK



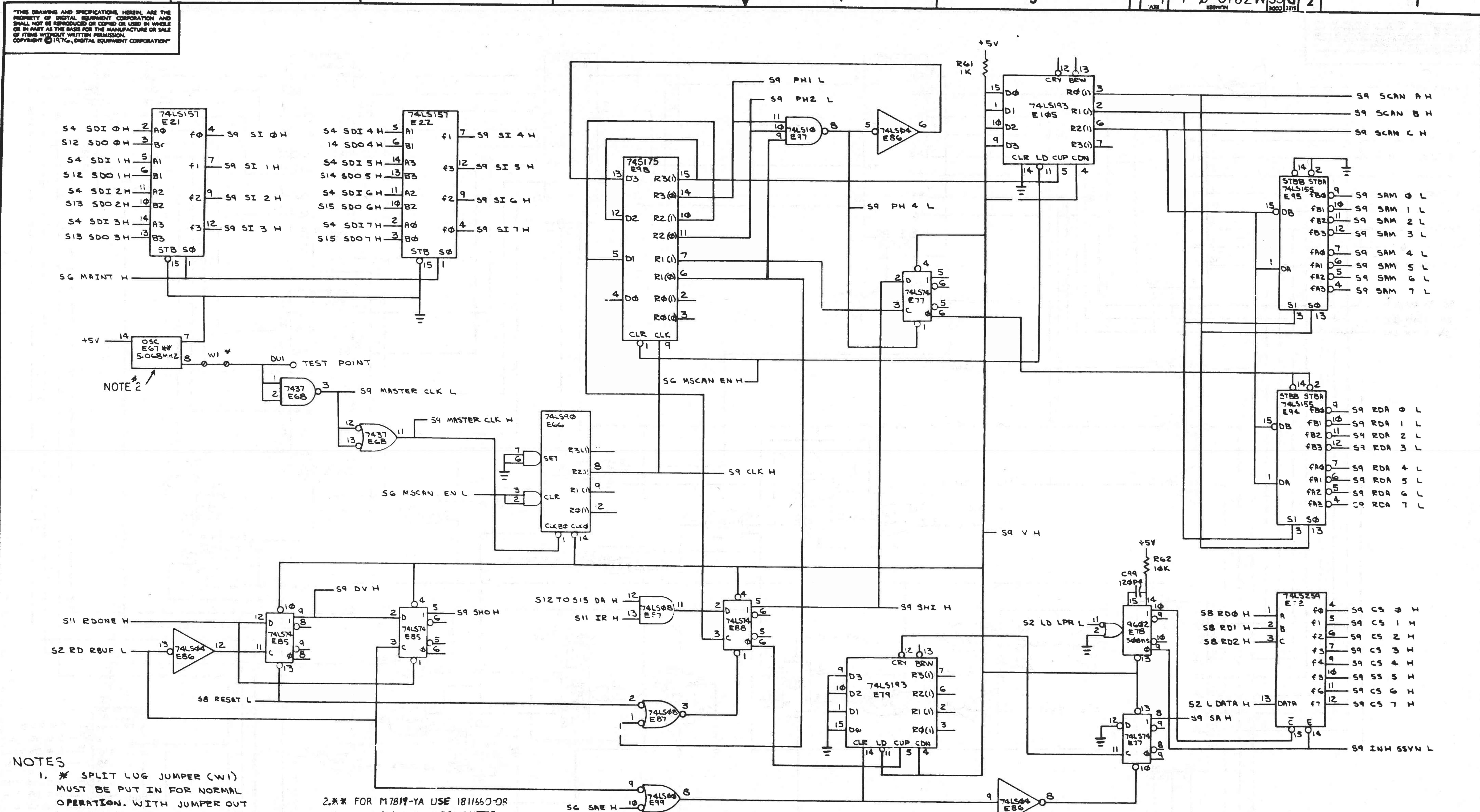
(UNIBUS TRANSCEIVERS AND RESET)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE	CODE	NUMBER	REV.
8 LINE EIA ASYNCHRONOUS MUX (S8)	D	CS	M7819-Ø-1	L
SCALE — SHEET 8 OF 15	DIST.			

MK

DEC FORM NO. DRD 138



NOTES

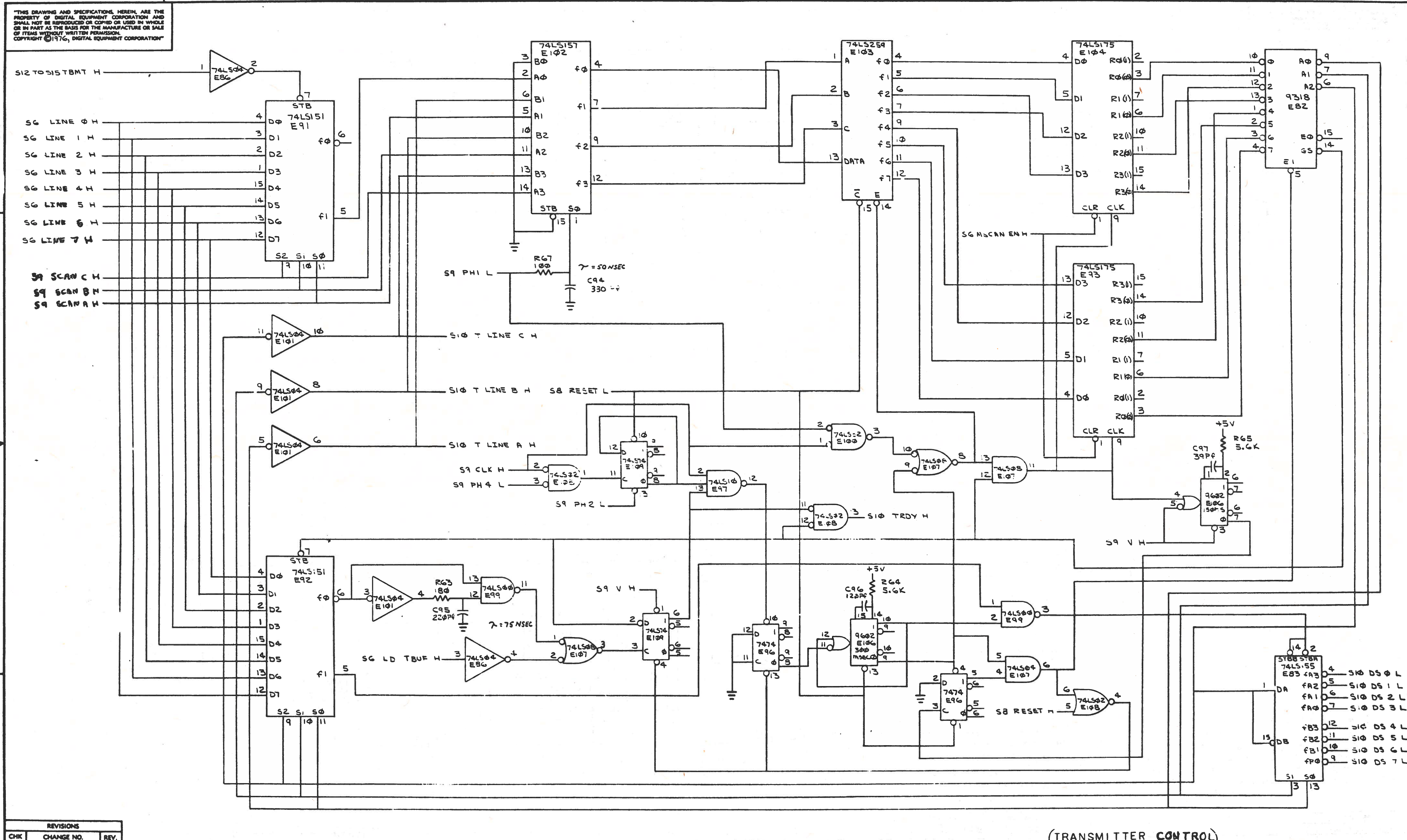
1. * SPLIT LUG JUMPER (W1) MUST BE PUT IN FOR NORMAL OPERATION. WITH JUMPER OUT THE 5.068MHZ OCS IS DISCONNECTED AND AN EXT TEST POINT SIGNAL CAN DRIVE THE SCANNER. THIS POINT IS FOR IN-HOUSE USE ONLY.

2. ** FOR M7819-YA USE 1811660-08 2.619 MHZ OSCILLATOR
FOR M7819-YB USE 1811660-09 3.0737 MHZ OSCILLATOR
FOR M7819-YC USE 2M1213A-00 3.3792 MHZ OSCILLATOR
FOR M7819-YD USE 2M1215A-02 3.8016 MHZ OSCILLATOR

(RECEIVER CONTROL)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE	CODE	NUMBER	REV.
8 LINE EIA ASYNCHRONOUS MUX (S9)	D	CS	M7819-Ø-1	L
SCALE	SHEET 9 OF 15	DIST.		



(TRANSMITTER CONTROL)

REVISIONS		
CHK	CHANGE NO.	REV.

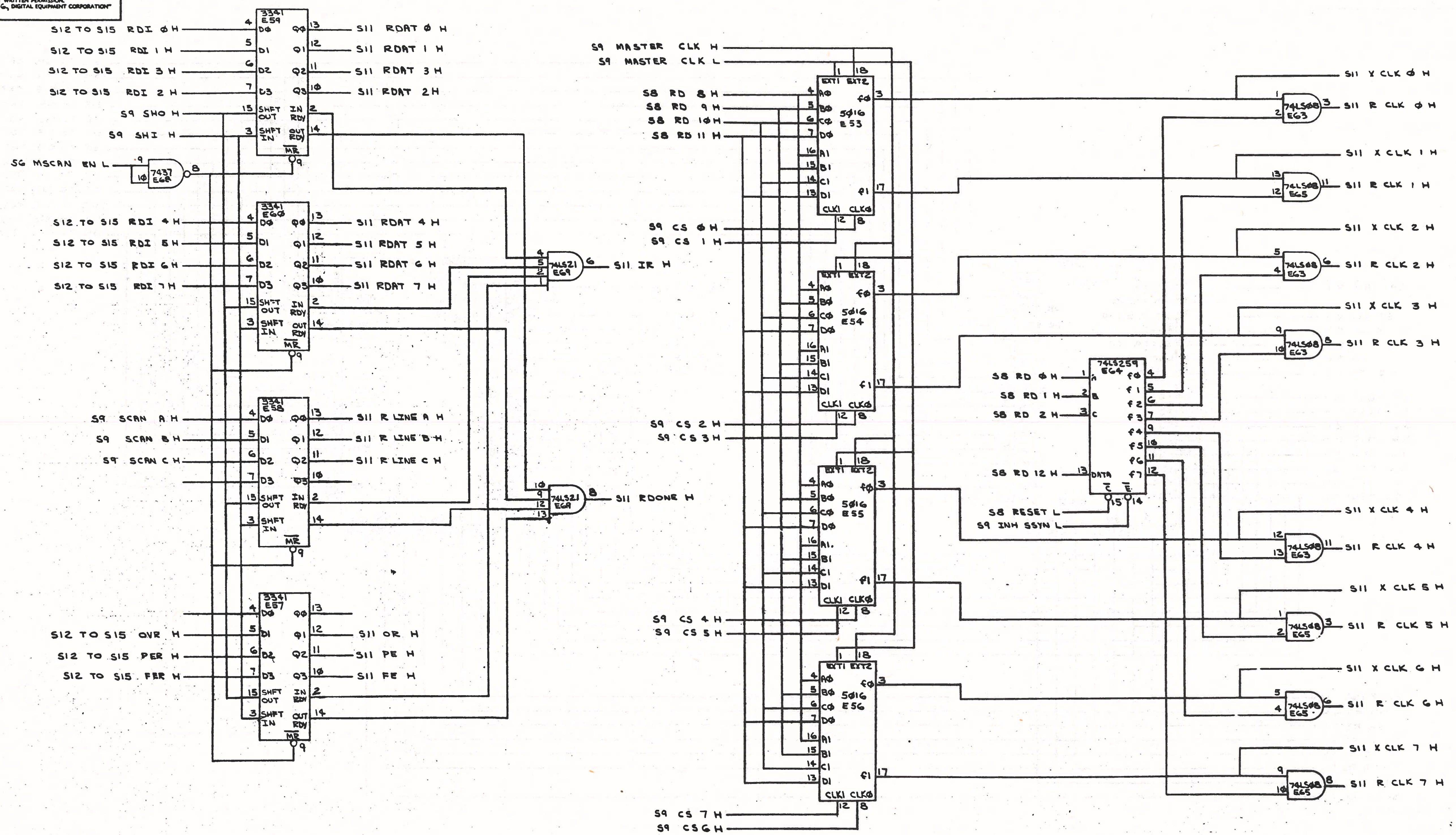
DEC FORM NO. DRD 13B

TITLE 8 LINE EIA ASYNCHRONOUS MUX (S12)

SIZE	CODE	NUMBER	REV.
D	CS	M7819-Ø-1	L

SCALE —/— SHEET 10 OF 15 DIST.

MK



(SILO AND UART CLOCKS)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE 8 LINE EIA ASYNCHRONOUS MUX (S11)

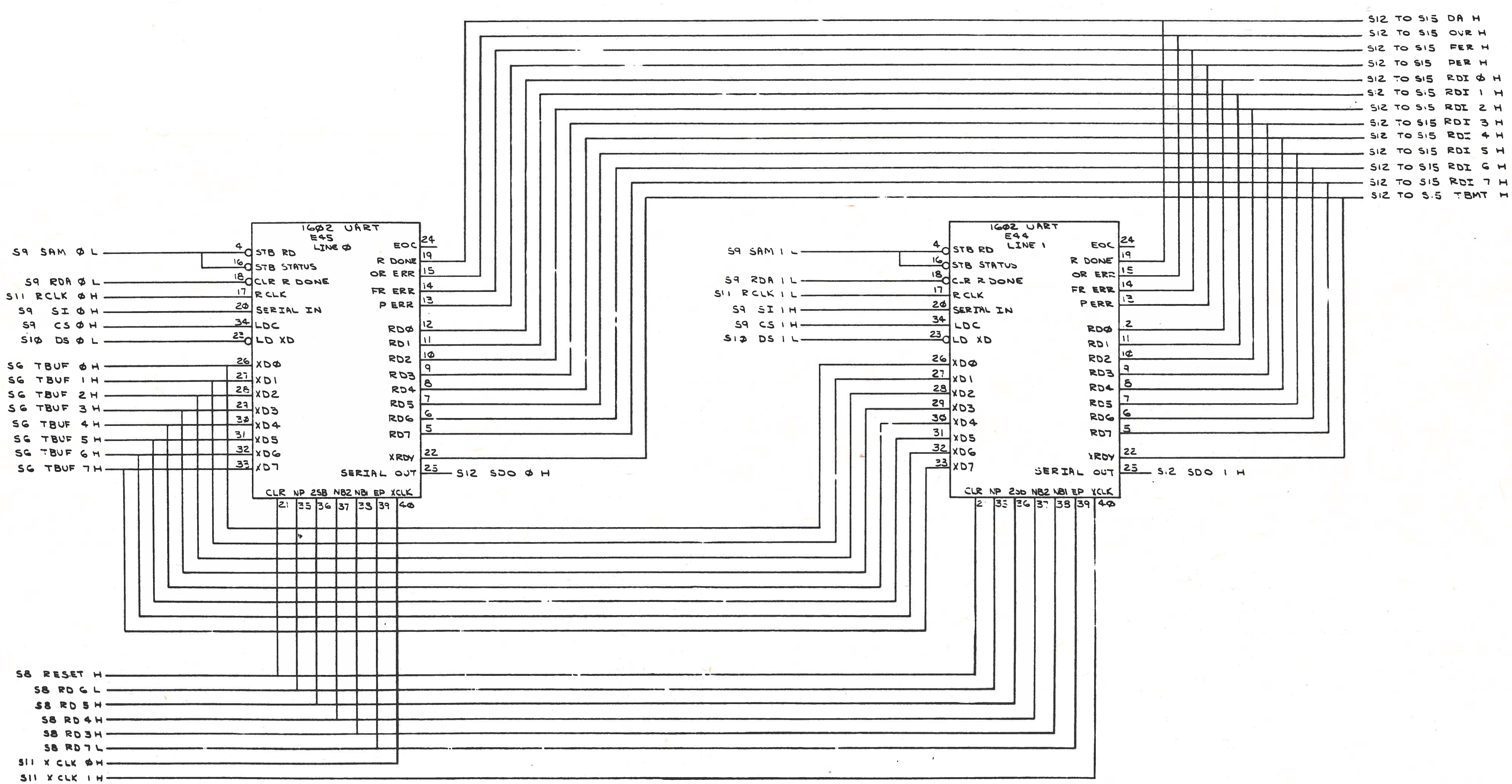
SIZE D CODE CS NUMBER M7819-Ø-1 REV. L

SCALE — SHEET 11 OF 15

DIST.

MK

DEC FORM NO. DRD 120



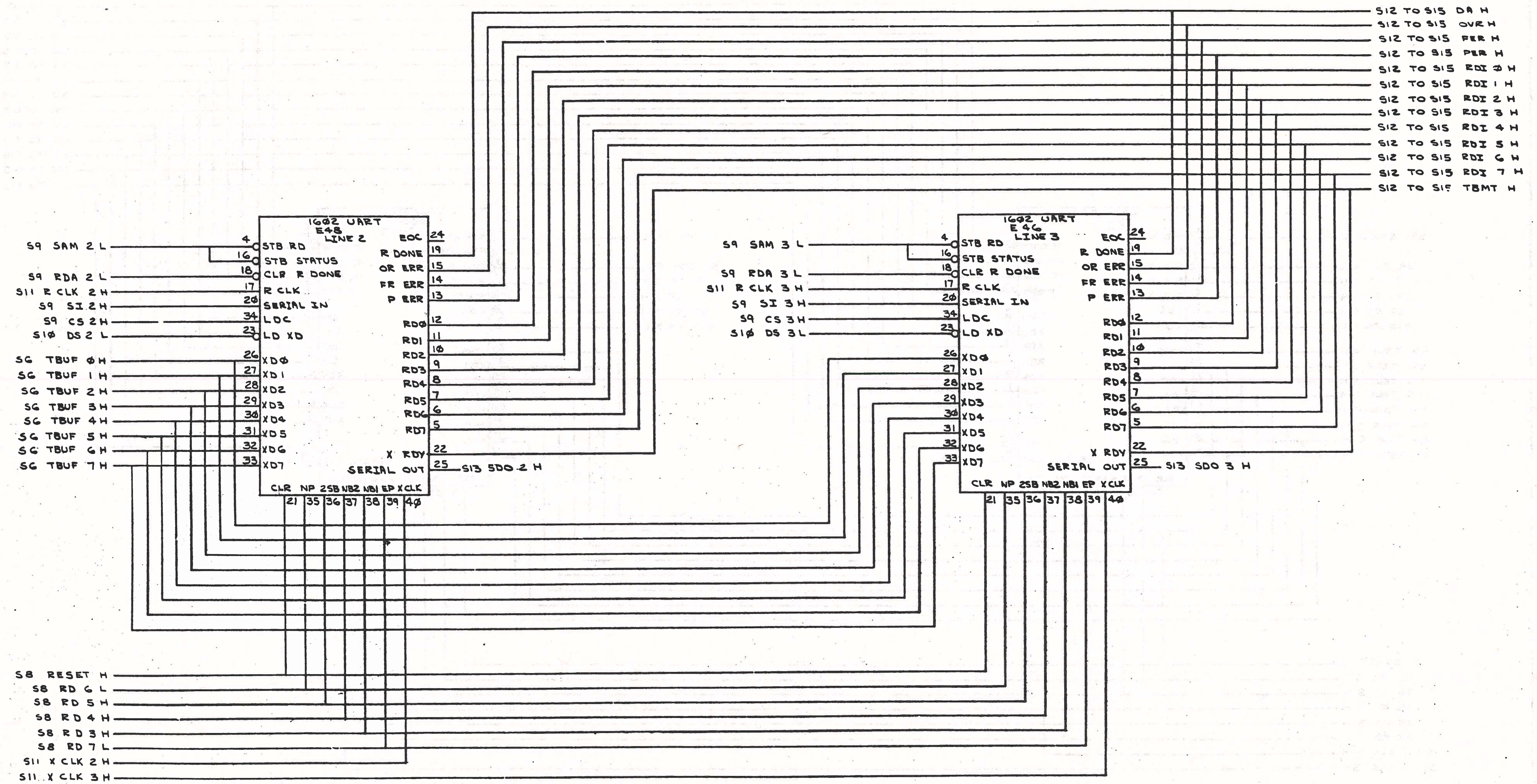
(TRANSCEIVER LINES Ø & 1)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE	CODE	NUMBER	REV.
8 LINE EIA ASYNCHRONOUS MUX (S12)	D	CS	M7819-Ø-1	L

SCALE —/— SHEET 12 OF 15 DIST.

MK



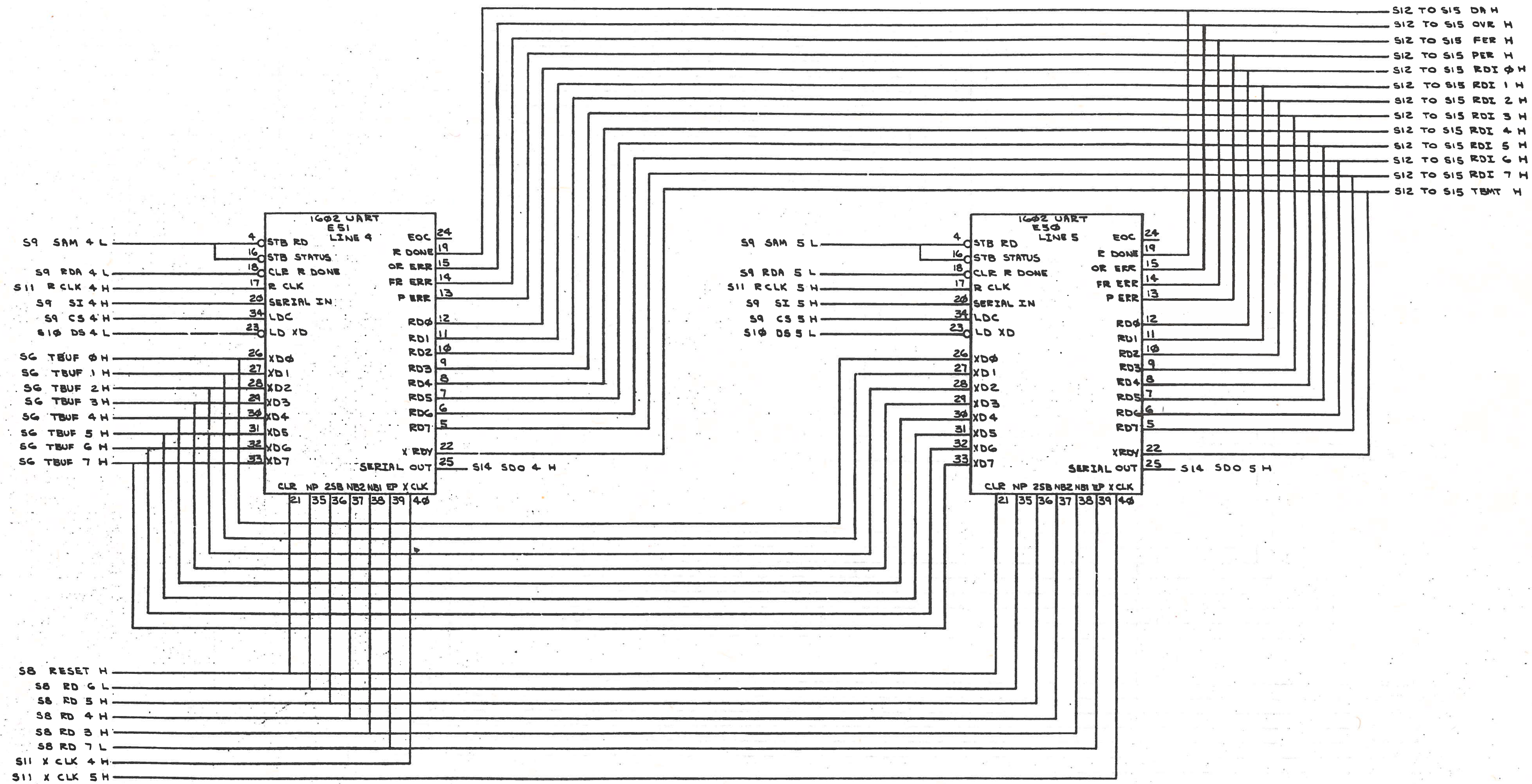
(TRANSCEIVER LINES 2 & 3)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE	CODE	NUMBER	REV.
8 LINE EIA ASYNCHRONOUS MUX (S13)	D	CS	M7819-0-1	L
SCALE — SHEET 13 OF 15	DIST.			

MK

DEC FORM NO. DRD 130

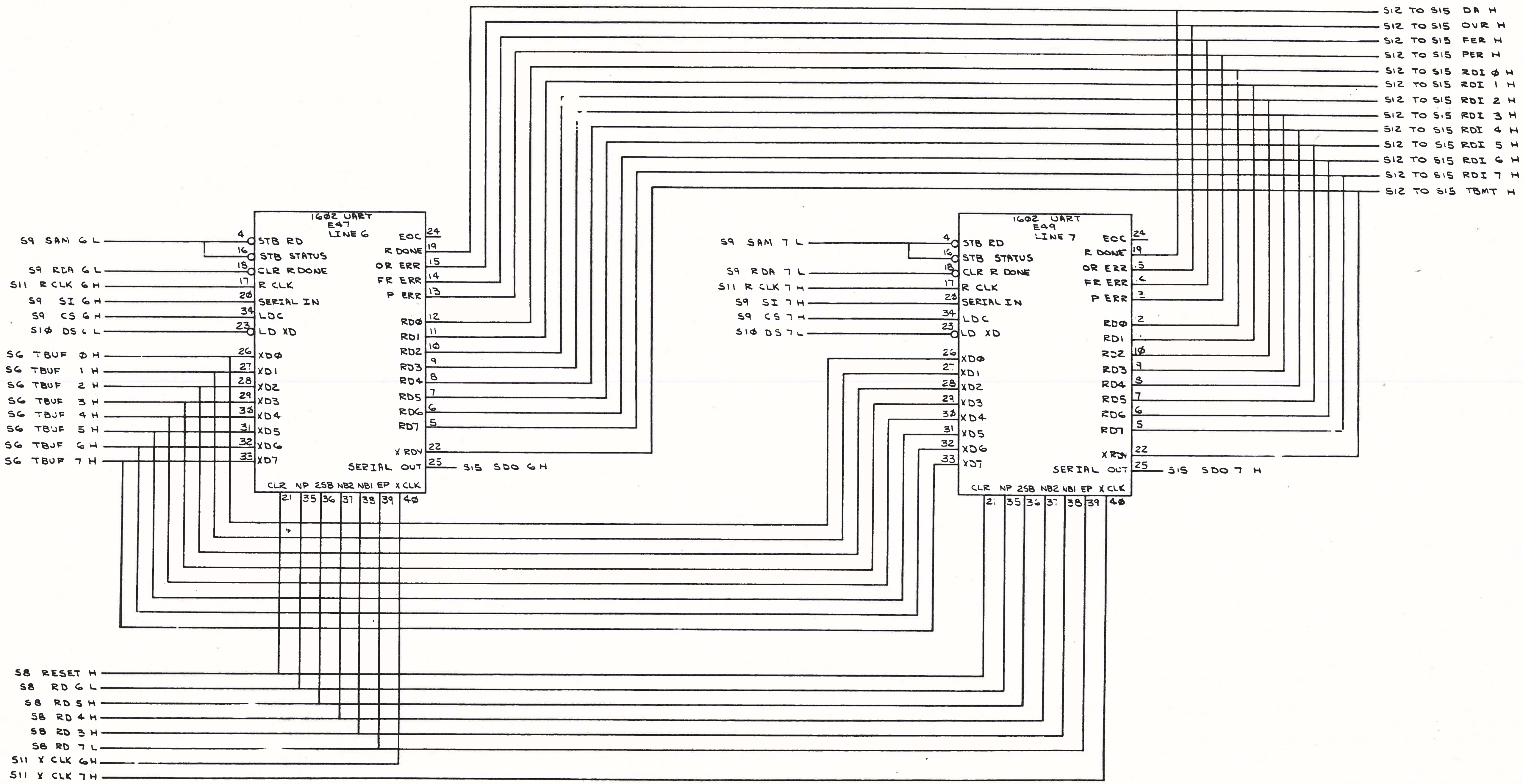


TRANSCEIVER LINES 4 & 5

TITLE	SIZE	CODE	NUMBER	REV.
8 LINE EIA ASYNCHRONOUS MUX (S14)	D	CS	M7819-Ø-1	L

SCALE — SHEET 14 OF 15 DIST.

MK



REVISIONS		
CHK	CHANGE NO.	REV.

TRANSCEIVER LINES 6 & 7

TITLE	SIZE	CODE	NUMBER	REV.
8 LINE EIA ASYNCHRONOUS MUX (S15)	D	CS	M7819-Ø-1	L
SCALE —	SHEET 15 OF 15	DIST.		

MK

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

	SEQUENCE
DRAWING DIRECTORY	B-DD-H317-0
H317 CABLE BOX ASSY	E-UA-H317-0-0
DJ-11 DIST. PANEL (EIA) CIRCUIT SCHEMATIC	D-CS-5410260-0-1
DJ-11 DIST. PANEL (TTY) CIRCUIT SCHEMATIC	D-CS-5410262-0-1
DV11 DIST. PANEL CIRCUIT SCHEMATIC	D-CS-5411153-0-1
DZ11 DIST PANEL (EIA)	D-CS-5411928-0-1
DZ11 DIST PANEL (TTY)	D-CS-5411974-0-1
DZ32 DIST PANEL	D-CS-5413929-0-1
H317 PARTS LIST	K-PL-H317-Ø-Ø

	SEQUENCE
MFG PRINT SET	
PACKAGING INSTRUCTION	A-PI-3700091-0-0

UNIT VARIATIONS

VARIATION	TITLE	PRINT SET TYPE
H317-A	H317 CABLE BOX ASSY.	X
H317-B	H317 CABLE BOX ASSY.	X
H317-C	H317 CABLE BOX ASSY	X
H317-E	H317 CABLE BOX ASSY (EIA)	X
H317-F	H317 CABLE BOX ASSY (TTY)	X
H317-N	H317 CABLE BOX ASSY	X

REVISIONS

REV	CHG. NO.	DATE
A	H317-3	3-74
B	H317-4	2-75
C	H317-5	11-75
D	H317-6	12-76
E	H317-8	1-81

USED ON OPTION/MODEL	
H317	

		DATE
DRN.	P. MARCOTTE	11/1/7
CHK'D.	C. Teschner	1/24/73
PROJ ENG.		1/
PROD.		1/ /5
FIELD SERV.		1-25-73

TITLE: H317 CABLE BOX ASSY.

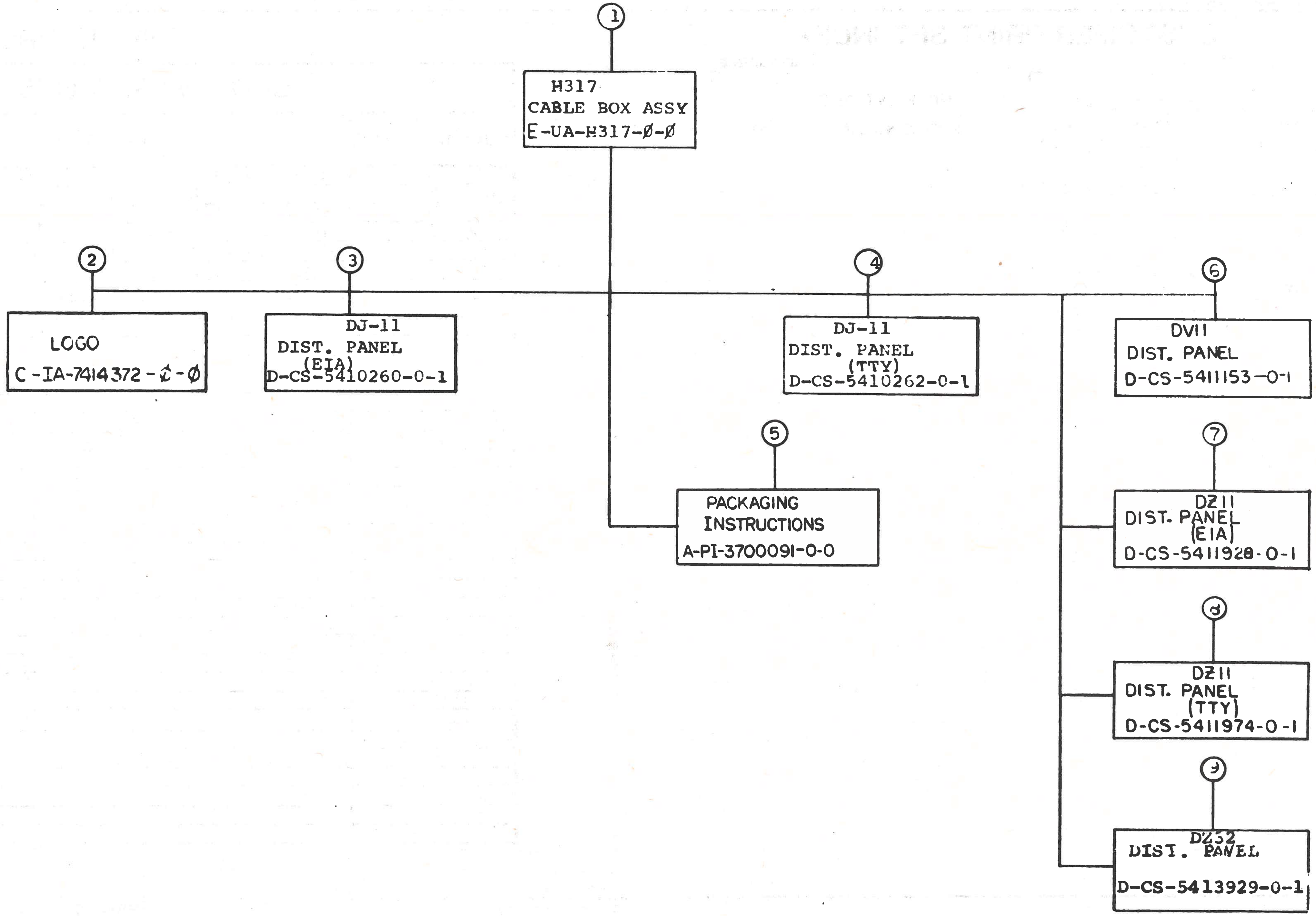
SIZE	CODE	NUMBER	REV
B	DD	H317-Ø	E

SHEET 1 OF 3

DIST

DRB 106

MK



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

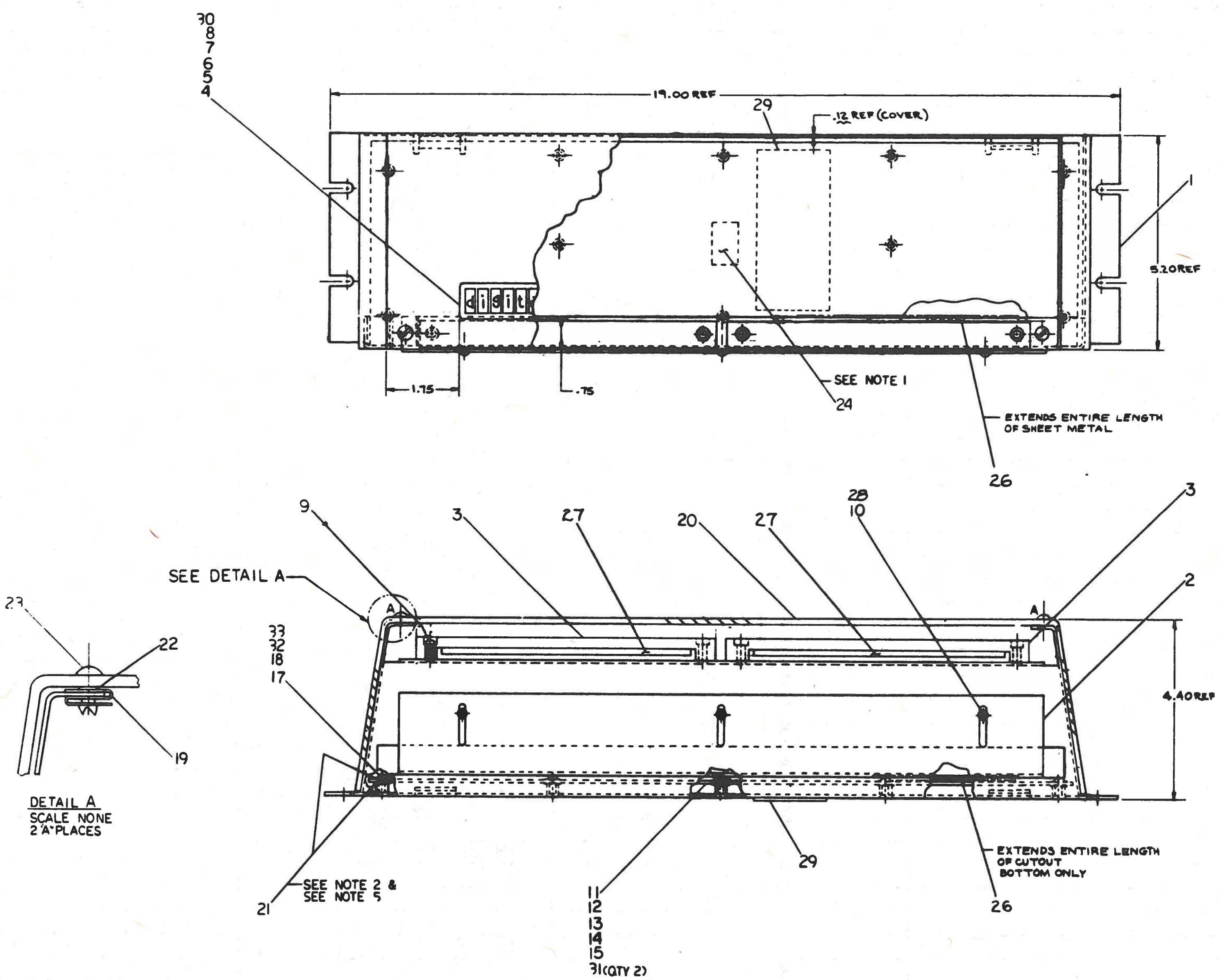
CUSTOMER PRINT SET -1	DEPOT SET	FIND NO.	ELECTRICAL DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
X		1	E-UA-H317-Ø-Ø	C	1	H317 CABLE BOX ASSY	
			K-PL-H317-Ø-Ø			H317 PARTS LIST	
		2	E-IA-7410667-0-0		1	COVER, CABLE BOX	
X		3	D-CS-5410260-0-1	#	3	DJ-11 DIST. PANEL (EIA)	
			B-MH-5410260-0-6		1	MODULE ECO HISTORY	
X		4	D-CS-5410262-0-1	#	6	DJ-11 DIST. PANEL (TTY)	
			B-MH-5410262-0-6		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	DZ11 DIST. PANEL (EIA)	
			B-MH-5411928-0-6	#	1	MODULE ECO HISTORY	
X		8	D-CS-5411974-0-1	#	1	DZ11 DIST. PANEL (TTY)	
			B-MH-5411974-0-6	#	1	MODULE ECO HISTORY	
X		9	D-CS-5413929-0-1			DZ32 DIST PANEL	

CUSTOMER PRINT SET -1	DEPOT SET	FIND NO.	MECHANICAL DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO.
		1	E-UA-H317-Ø-Ø		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	
		2	C-IA-7414372 0 0		1	LOGO	
			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	
		3	D-CS-5410260-0-1	#	3	DJ-11 DIST. PANEL (EIA)	
			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	
		4	D-CS-5410262-0-1	#	6	DJ-11 DIST. PANEL (TTY)	
			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	5	A-PI-3700091-0-0		2	PACKAGING INSTRUCTIONS	
			A-PS-9905315-0-0		2	OUTER CARTON	
			A-PS-9905317-0-0		2	LAMINATED TRAY	
			A-PS-9905316-0-0		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	DZ11 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	DZ11 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	SHEET	SIZE	CODE	NUMBER	REV
H317 CABLE BOX ASSY.	3 OF 3	B	DD	H317-Ø	E

DRB 108
DEC 16 (325) 1062 2 N871

MK



NOTES

1. IF ITEM #11 IS USED THE DECAL (ITEM #24) IS TO BE APPLIED TO THE INSIDE SURFACE OF COVER ITEM #20
2. PRIOR TO MTG. DIST. PANEL, ADHERE 10 NYLON WASHER (ITEM #21) TO STANDOFFS ON MTG PANEL (ITEM #1) USING ECO BOND ADHESIVE (ITEM #16) AND ALLOW TO DRY. USE REMAINING 8 WASHERS TO MOUNT PANEL. NOT REQUIRED FOR H317-N.
3. USE ASSY TOOL #9606416 TO POSITION LOGO ITEM #4 THRU #8 ON COVER (ITEM #20)
4. ON H317-A USE UPPER HOLES, ON H317-E USE MIDDLE HOLES.
5. ON H317-N USE MIDDLE HOLES AND END HOLES.

CAUTION: OFF SHEET PARTS LIST EXISTS. REFER TO K-PL-H317-0-0.

H317-F	H317-E	H317-C	H317-B	H317-A	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	1	1	1	1	LABEL, ID	3616073-00	29
3	3	3	3	3	LOCKWASHER INT #6	9006633	28
2	2	2	2	2	FOAM, ADHESIVE .12 X .5 X 6.0	9009087-1	27
AR	AR	AR	AR	AR	GROMMET ALLIGATOR	9007035	26
1	1	1	1	1	PACKING INSTRUCTIONS	A-PI-3700091-0-0	25
—	—	—	—	1	DECAL	A-DC-7410681-0-0	24
2	2	2	2	2	FASTENER STUD, 1/4 TURN	[illegible]	23
2	2	2	2	2	RETAINER, SPLIT RING	9008200	22
18	18	20	20	16	WASHER, NYLON #8	9006708	21
1	1	1	1	1	COVER, CABLE BOX PLASTIC	D-PS-1212632-0-0	20
2	2	2	2	2	RECEPTACLE CLIPON	9008196	19
8	8	10	10	8	LOCKWASHER INT #8	9006634	18
8	8	10	10	8	SCR. PHL HD. 8-32 X .25 LG.	9006035-1	17
AR	AR	AR	AR	AR	ECOBOND ADHESIVE	9009156	16
—	—	1	—	—	DV11 DIST. PANEL	D-CS-5411153-0-1	15
1	—	—	—	—	DZ11 DIST PANEL (TTY)	D-CS-5411974-0-1	14
—	1	—	—	—	DZ11 DIST PANEL (EIA)	D-CS-5411928-0-1	13
—	—	—	1	—	DJ11 DIST PANEL (EIA)	D-CS-5410260-0-1	12
—	—	—	—	1	DJ11 DIST PANEL (TTY)	D-CS-5410262-0-1	11
3	3	3	3	3	SCR. PHL PAN HD. [illegible]	9006020-1	10
4	4	4	4	4	SCR. PHL PAN HD. 6-32 X .62 LG.	9006025-1	9
1	—	—	—	—	LOGO H317-F	C-IA-7414372-6-0	8
—	1	—	—	—	LOGO H317-E	C-IA-7414372-5-0	7
—	—	1	—	—	LOGO H317-C	C-IA-7414372-2-0	6
—	—	—	1	—	LOGO H317-B	C-IA-7414372-1-0	5
—	—	—	—	1	LOGO H317-A	C-IA-7414372-0-0	4
2	2	2	2	2	BAR, CABLE HOLD DOWN	D-PS-1213318-0-0	3
1	1	1	1	1	BAR, SLIDE	D-MD-7416248-0-0	2
1	1	1	1	1	H317 MOUNTING PLATE	E-IA-7416243-0-0	1

QUANTITY & VARIATION

FIRST USED ON: H317

TITLE: H 317 CABLE BOX ASSY

SEE PARTS LIST

SCALE 1/1

H317-0-0

REV. J

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

digital

USED ON OPTION/MODEL

DRN.	SHETRAWSKI	3-22-76
CHK'D	SHETRAWSKI	3-22-76
ENG.	Roberta Tomei	3-26-76
PROD.	R. Wall	3-26-76

TITLE: DZ11 EIA DISTRIBUTION PANEL

SIZE	CODE	NUMBER	REV.
B	DD	5411928-0	C

SHEET 1 OF 1

DIGITAL EQUIPMENT CORPORATION
PARTS LIST

MADE BY R. A. CORMIER DATE 2-12-76	CHECKED R. A. Cormier DATE 3-24-76	SECTION 1	
ENG Robert A. Cormier DATE 3-26-76	PROD R. Wall DATE 3-26-76	ISSUED SECTION 1	

QUANTITY / VARIATION

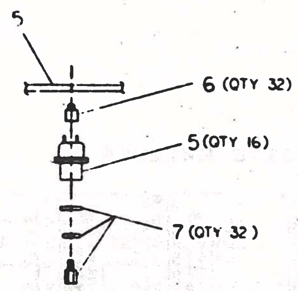
NOTES:

ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION	QUANTITY / VARIATION	REF DESIGNATION
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. 50P. 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 4-40 X .187	32	
7		9008451	SCREWLOCK D20418-2 4-40 X .312	32	
8		9009185	JUMPER, WIRE INSULATED	80	W1-W80

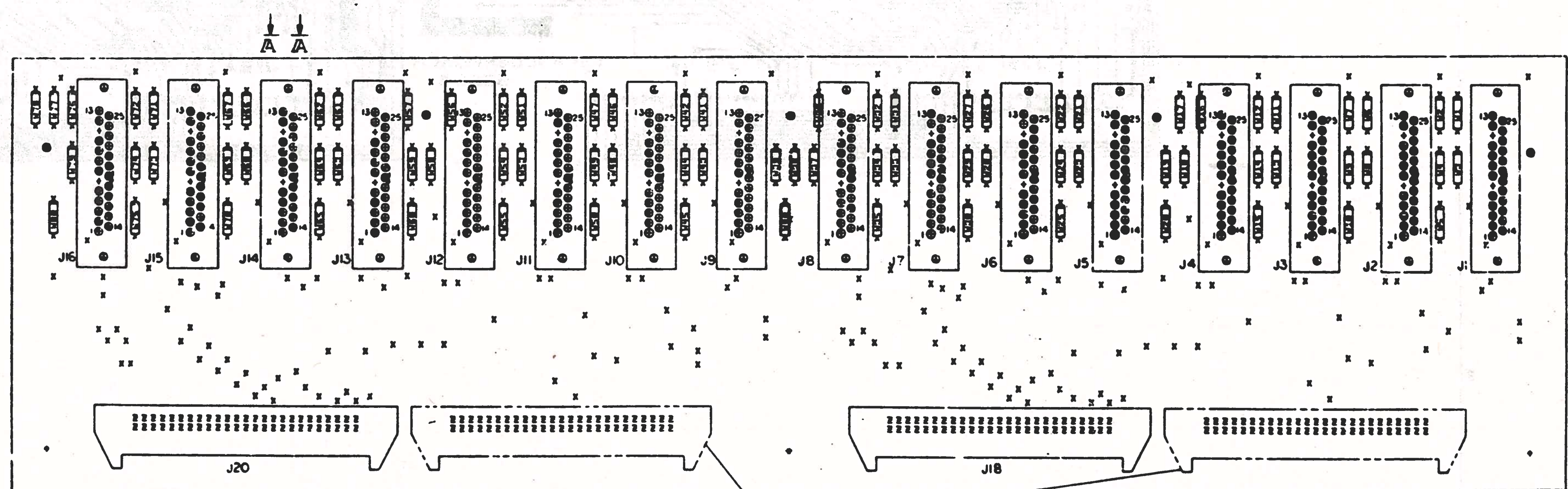
E.C.O. NO.

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.
DZ11 EIA DISTRIBUTION PANEL	E-UA-5411928-0-0	B	PL	5411928-0-0	B
	SHEET 1 OF 1	INSERTION PARTS LIST DATA BASE REV			

EN-01140A-16-R276(325) DRB 125



VIEW A-A
(16 PLACES)



NOTES:
1. BOARD MUST BE DRILLED ON TRUE DRILL MACHINE.
2. .166 HOLES ARE CRITICAL
3. CONN. BLOCKS IN PHANTOM ARE OPTIONAL.

CHG	CHANGE NO	REV

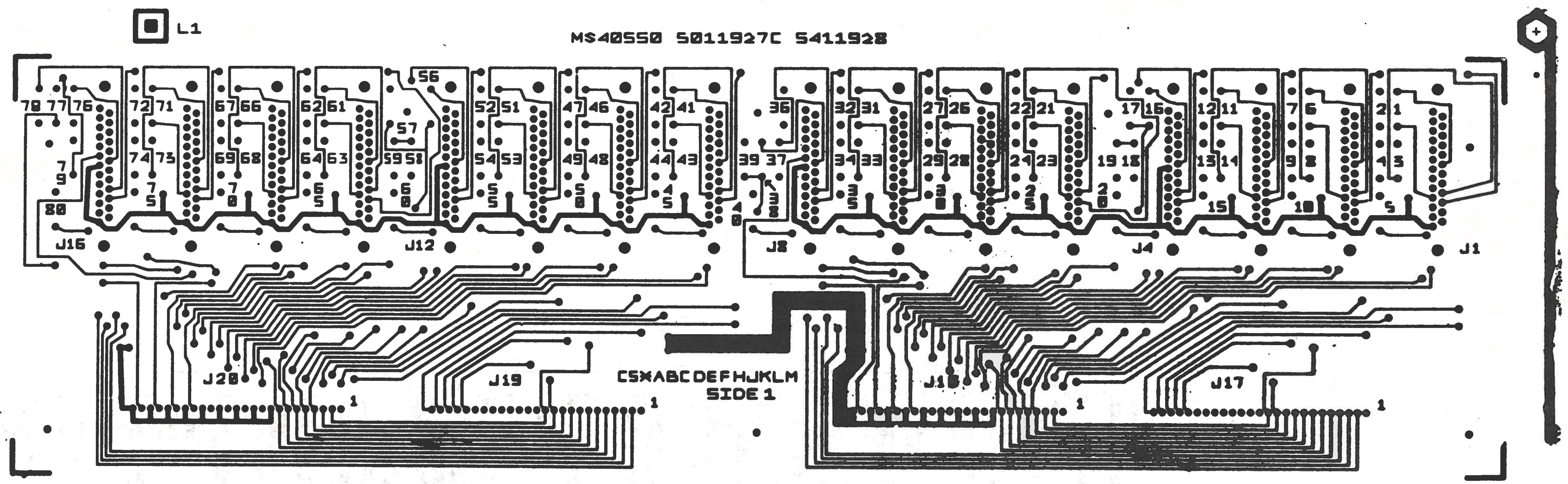
ETCH REV.
P.C. DESIGN DATA BASE REV.

SIGNATURES	DATE
DRN.	
CHK'D.	
ENG.	
PROJ. ENG.	
PROD. K. W	
SCALE 2/1	
SHT. 1 OF 3	
NEXT HIGHER ASSY. E-DD-[illegible]	

digital

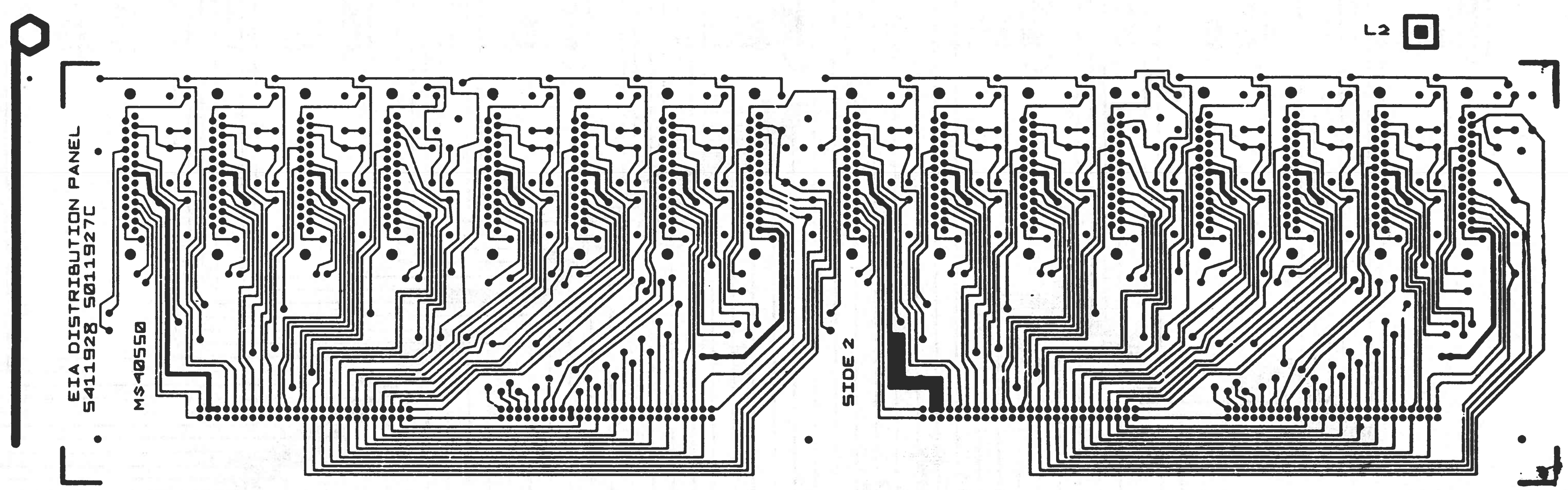
TITLE PANEL,
EIA DISTRIBUTION

SIZE	CODE	NUMBER	REV
E	IA	5411928-0-0	B

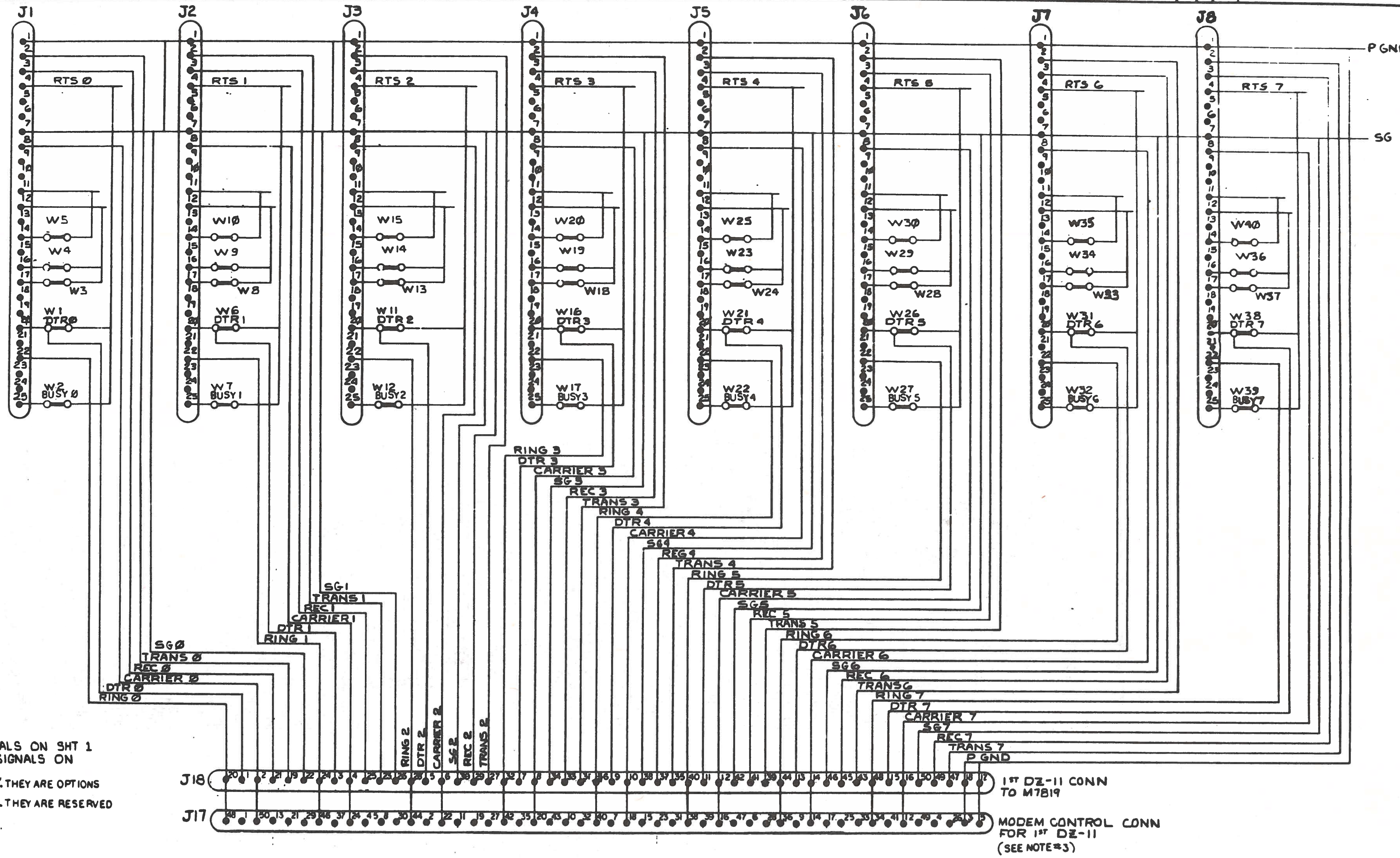


ETA DISTRIBUTION PANEL

5411928



TITLE	SIZE	CODE	NUMBER	REV
EIA DISTRIBUTION PANEL	E	UA	5411928-0-0	B
SCALE	SHEET 3 OF 3			



NOTES:

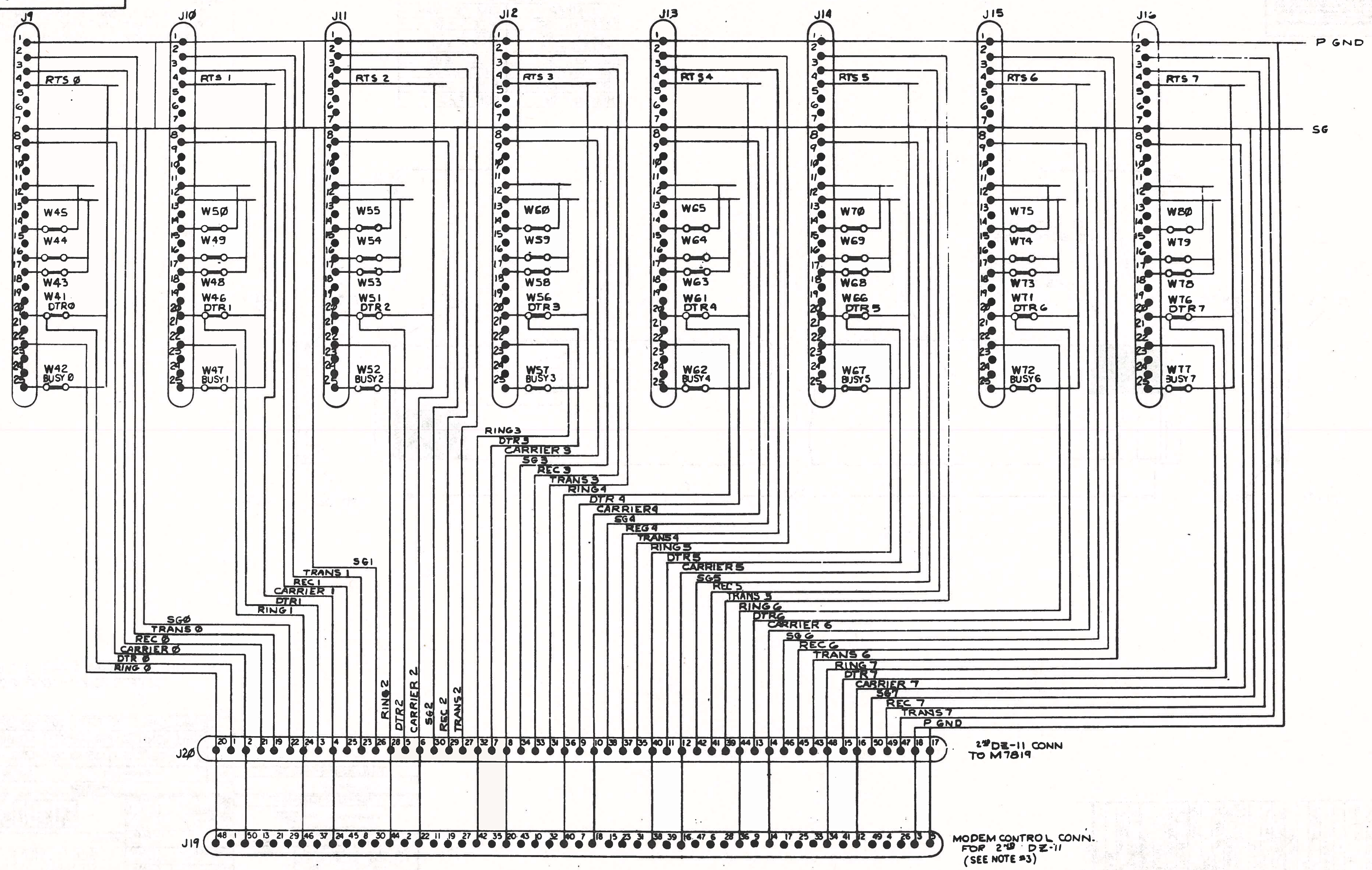
1. EXCEPT FOR PGND, SIGNALS ON SHT 1 DO NOT CONNECT WITH SIGNALS ON SHT 2.
2. ALL JUMPERS ARE NORMALLY "IN". THEY ARE OPTIONS RESERVED FOR FUTURE USE.
3. J17 AND J19 ARE NOT INSTALLED. THEY ARE RESERVED FOR FUTURE USE.

REV.	CHANGE NO.	ORIGINATED	CHK.
-			
C	5411928-00001	H. Brummer 6-4-76 R.A. CORMIER	

FIRST USED ON	H317E
TITLE	DZ11 EIA DIST PANEL
NEXT HIGHER ASSY.	E-AH-5411928-Ø-3
SIZE	D
CODE	CS
NUMBER	5411928-Ø-1
REV.	C
SHEET	1 OF 2

D CS 5411928-Ø-1 C

1ST DZ-11 CONNECTIONS



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	DZ11 EIA DIST PANEL
SIZE	D
CODE	CS
NUMBER	5411928-0-1
REV.	C
SCALE	—
SHEET	2 OF 2

DEC FORM NO. DRO 12P

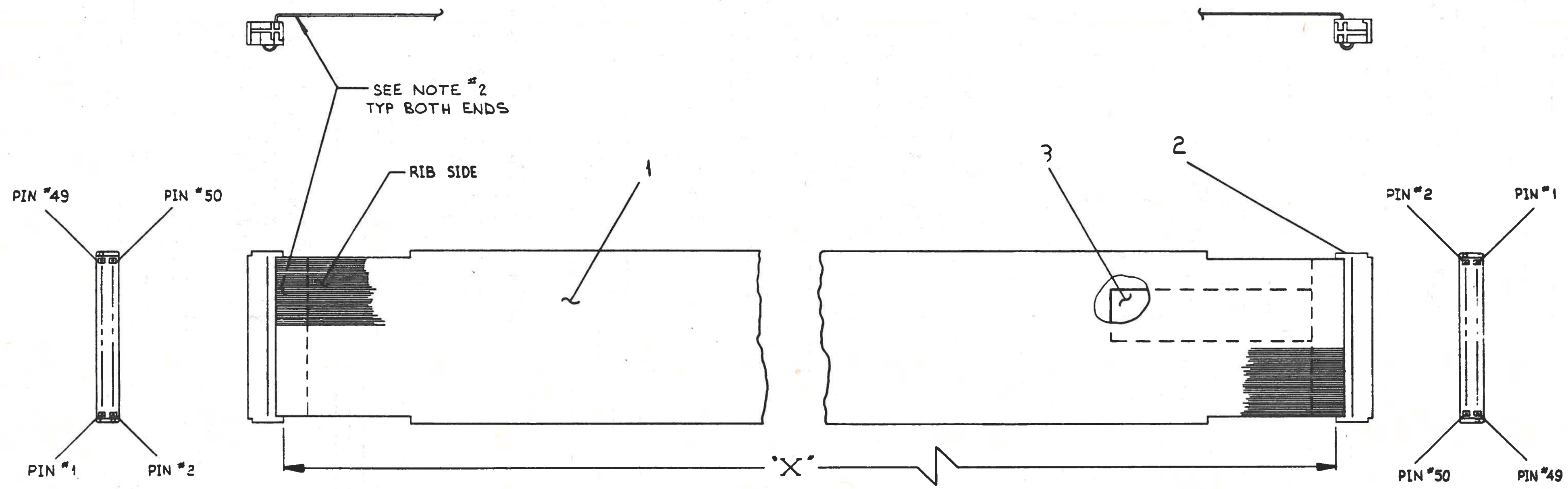
D IA BCØ5W-Ø-Ø H

LEGEND

NUMBER	DIM. "X" VAR.
BCØ5W - Ø2	2 FT. ± 1 IN.
BCØ5W - Ø4	4 FT. ± 1 IN.
BCØ5W - 15	15 FT. ± 3 IN.
BCØ5W - 8	8 FT. ± 2 IN.
BCØ5W - 25	25 FT. ± 3 IN
BCØ5W - 10	10 FT. ± 2 IN.
BCØ5W - 5Ø	50 FT ± 2%

NOTE

1. THIS CABLE IS POINT TO POINT. PIN #1 TO PIN #50 AND PIN #2 TO PIN #49 ETC., ETC..
2. STRIP BACK SHIELDING APPROX 1" INCH



CAUTION: OFF SHEET PARTS LIST EXISTS.
REFER TO K-PL-BCØ5W-Ø-Ø.

PARTS LIST

QTY.	DESCRIPTION	PART NO.	ITEM NO.
~~1~~	~~LABEL, CABLE IDENTIFICATION~~	~~3616073-00~~	~~3~~
2	CABLE CONN., 50 ~~COND. FLUTE~~	1211664	2
1	~~CABLE, 50 COND FLATSHIELDED~~	~~1700054-01~~	1

REV.	CHANGE NO.	
A	BCØ5W-00001	J CYR
B	BCØ5W-00002	J. CYR
C	BCØ5W-MR003	J CYR
D	BCO5W-MR004	JOHN CYR
E	BCO5W MKOO5	R. RANDO
F	BCØ5W-MKØØ6	W. DUNHAM
H	BCØ5W-MKØØ7	B. GINSBERG

REVISIONS

FIRST USED ON OPTION/MODEL: KC341-B

DIMENSIONAL TOLERANCE
DIMENSIONS ARE MILLIMETERS / INCHES UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL: SEE PARTS LIST
FINISH: —//—

		DATE
DRN.	M. Gracia	5-15-74
CHK'D.		5-17-74
ENG.		
PROJ. ENG.		
PROD.		

NEXT HIGHER ASSY. —//—

SCALE NONE
SHEET OF 1

digital

TITLE: 50 CONDUCTOR SIGNAL CABLE (BCØ5W)

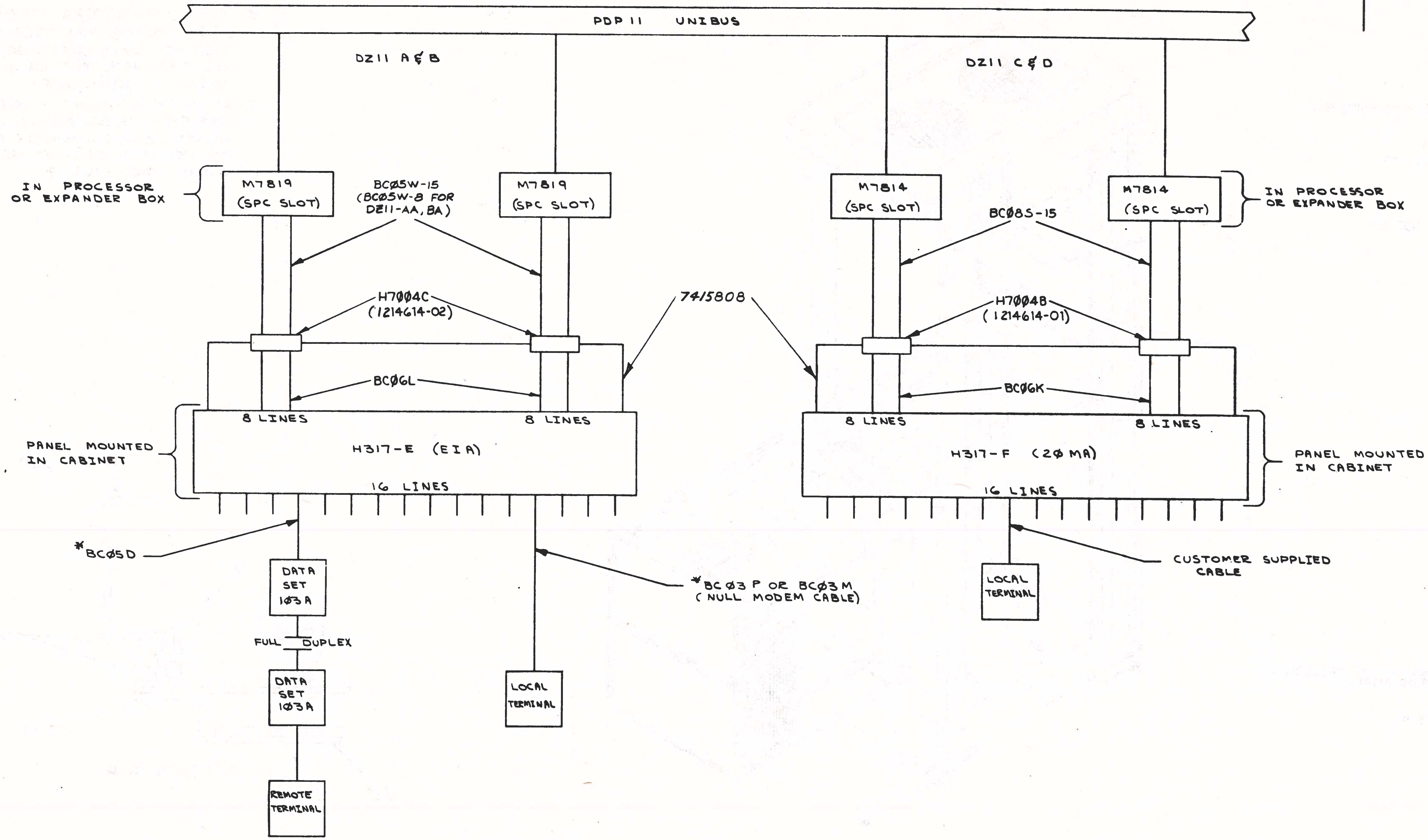
SIZE	CODE	NUMBER	REV.
D	IA	BCØ5W-Ø-Ø	H

DIST.

MK

NOTES:

1. * THE BCØ5D, BCØ3M & BCØ3P CABLES ARE NOT INCLUDED IN THE DZ11 OPTION AND MUST BE ORDERED SEPARATELY.



REVISIONS		
CHK.	CHANGE NO.	REV.
R. CORMIER	DZ11-00003	A
R. CORMIER	DZ11-MK005	B
R. CORMIER	DZ11-MK006	C

DRN.	3-1-76
CHK'D	5-14-76
ENG.	
PROJ. ENG.	
PROD.	
NEXT HIGHER ASSY.	D-UA-DZ11-Ø-Ø
SCALE	
SHEET 1 OF	

FIRST USED ON: DZ11

digital

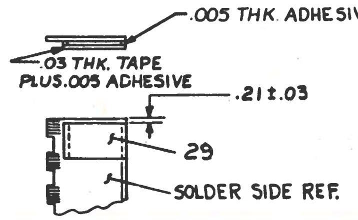
TITLE: SYSTEM CONNECT DIAGRAM

SIZE	CODE	NUMBER	REV.
D	BD	DZ11-Ø-8	C

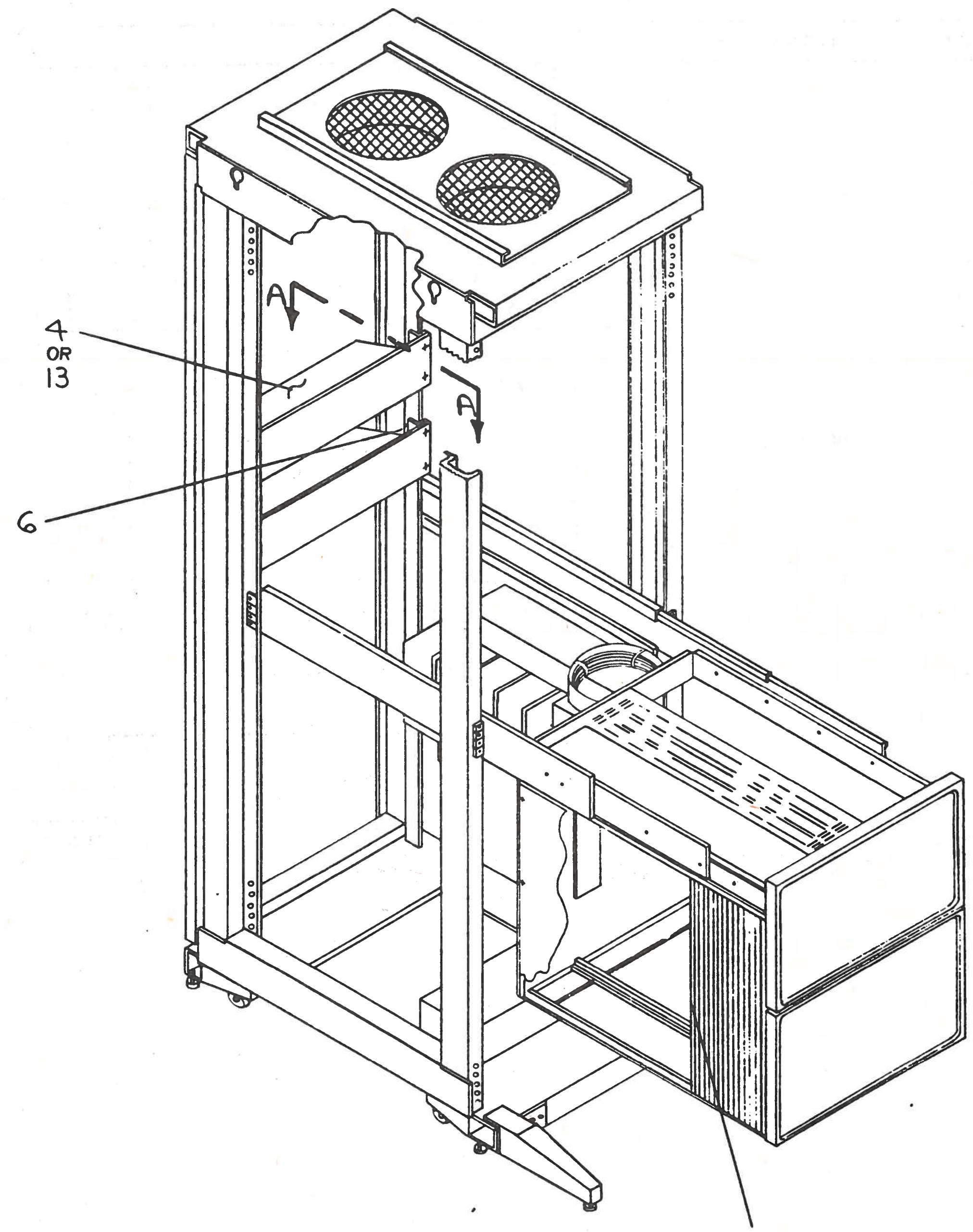
DIST.

NOTES:

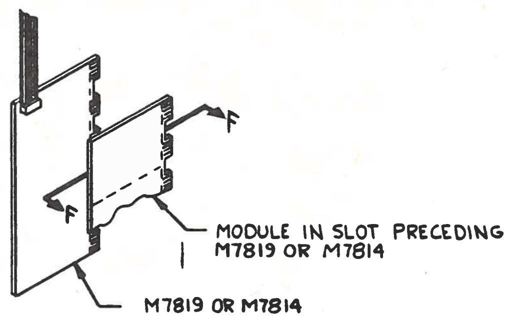
1. ~~DO NOT REMOVE SHIPPING BRACKET~~
2. TEST CONNECTORS ITEMS 2 & 5 (NOT SHOWN) ARE USED FOR TESTING DZ11 A,B&E. ALSO NOT SHOWN IS A TEST CONNECTOR (ITEM 15) USED FOR TESTING THE DZ11-C,D & F.
3. AT SYSTEM CONFIGURATION LEVEL, ASSEMBLE ITEM #29 TO MODULE PRECEDING ITEM(S) 1 OR 14. ORIENTATE AS SHOWN. MAKE CERTAIN SURFACES THAT ITEM 29 ADHERE TO ARE FREE FROM GREASE OR OTHER FOREIGN MATTER.



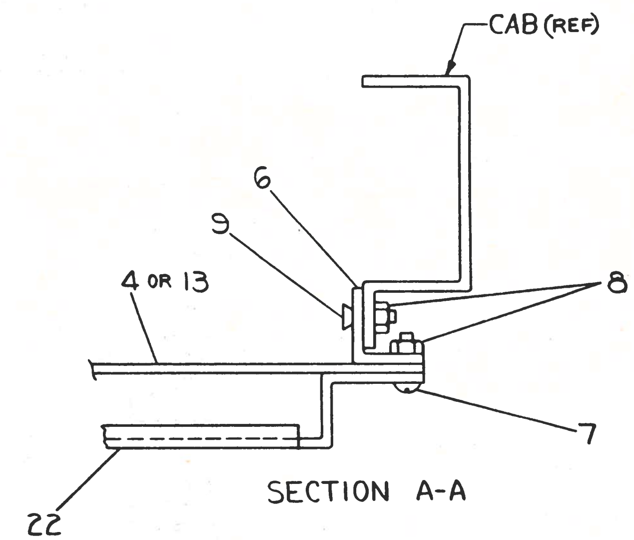
SECTION F-F
SEE NOTE 3



SEE VIEW E-E



VIEW E-E



SECTION A-A

FOR PARTS LIST SEE A-PL-DZ11-Ø-Ø

REV.	CHANGE NO.	CHK	
A	DZ11-00001		B. Chisom 4 Jan. 77 / R.A. CORMIER
B	DZ11-00002	K.T.	B. Chisom 9 May 77 / R.A. CORMIER 19 MAY 77
C	DZ11-00003		B. Chisom 22 August 77 / R. CORMIER 24 AUG 77
D	DZ11-00004	R.R.	19 May 78 / P. PORRECA / Paul Porreca 5 May 78
H	DZ11-MK007		9-MAY-15 / R. OLSON / 16 JUNE 75

DESCRIPTION	DWG./PART NO.	ITEM NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES ±0° 30'

SURFACE QUALITY IN MICROINCHES

CLASS OF ACCURACY (CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
MEDIUM	±.004	±.008	±.012	±.016	±.024	±.04
PREFERRED	±.012	±.016	±.025	±.04	±.063	±0.1

QUANTITY & VARIATION

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL: SEE PARTS LIST

FINISH: —/—/—

DRN.	K. [illegible]	5-4-76
CHK'D	P. [illegible]	5-14-76
ENG.	[illegible]	[illegible]
PROJ. ENG.	[illegible]	[illegible]
PROD.	[illegible]	[illegible]

NEXT HIGHER ASSY.: B-DD-DZ11-Ø

SCALE: NONE

SHEET 1 OF 4

FIRST USED ON: DZ11

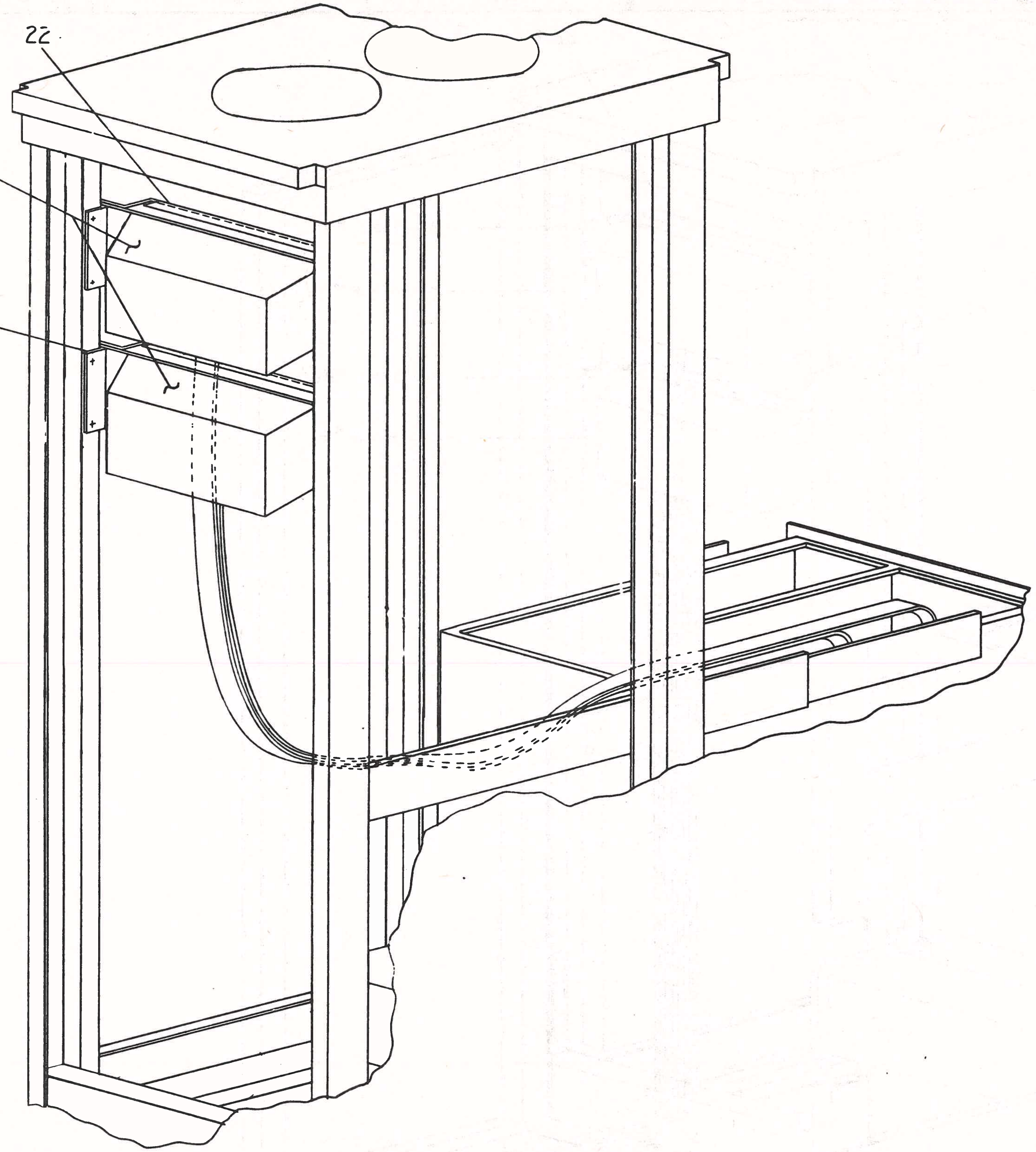
digital

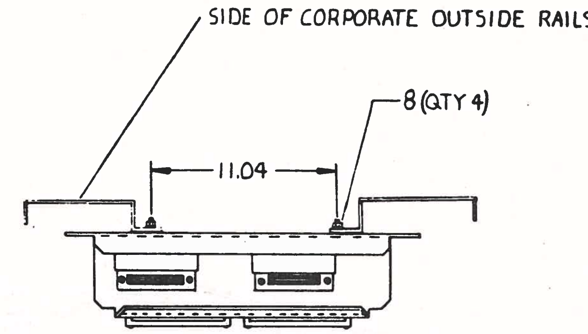
TITLE: UNIT ASSY DZ11

SIZE: D CODE: UA NUMBER: DZ11-Ø-Ø REV.: H

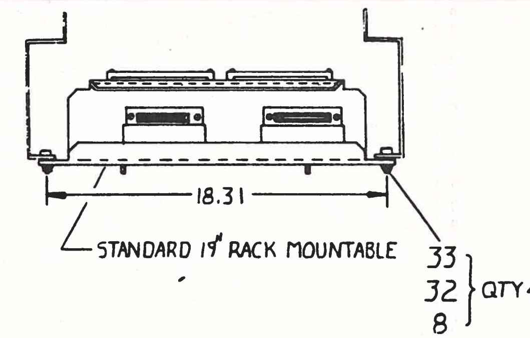
DIST.

D UA DZ11-Ø-Ø H





STANDARD DZ11-AA/EE MOUNTING
(SCALE NONE)

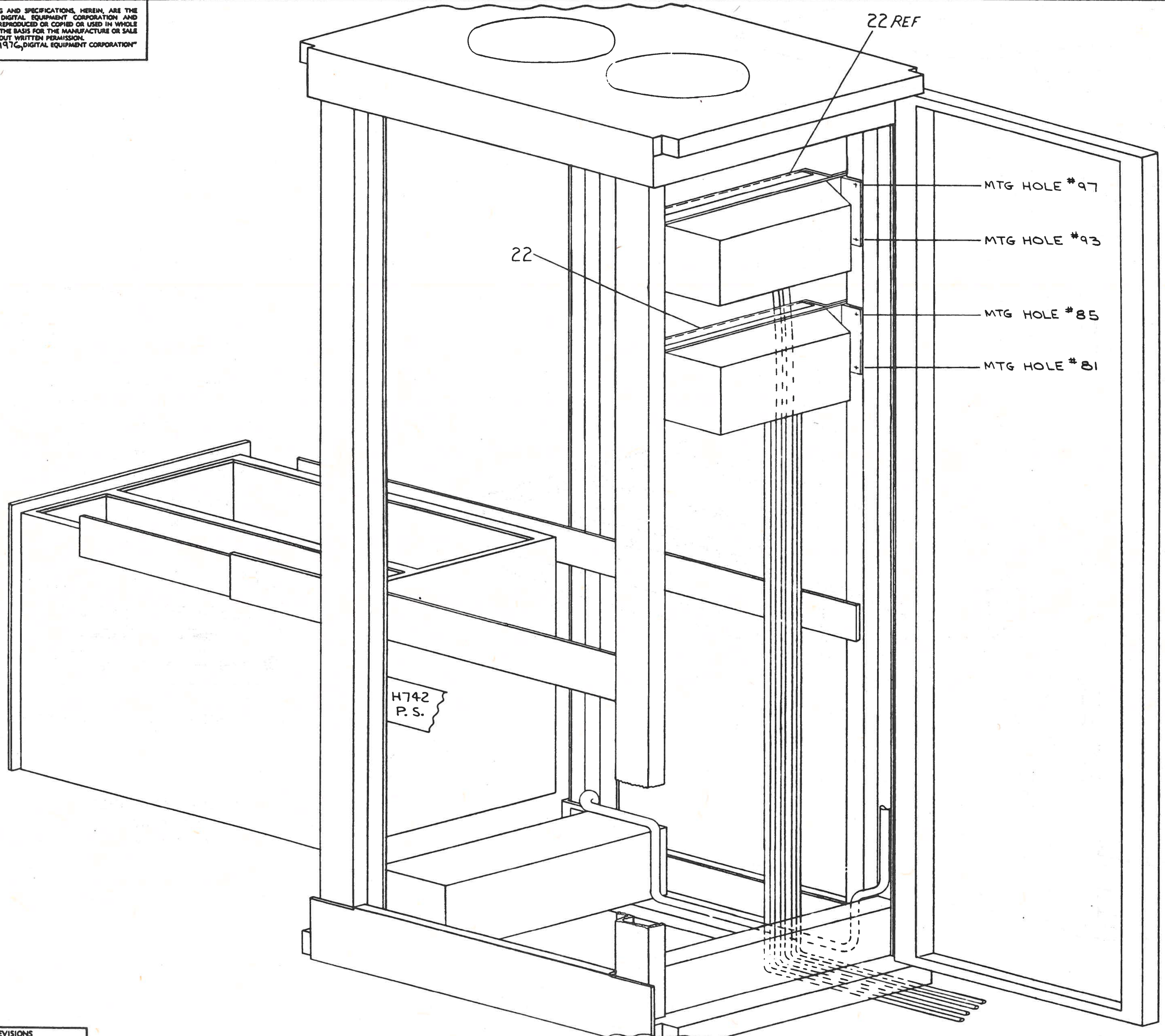


OPTIONAL DZ11-AA/EE MOUNTING
(SCALE NONE)

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE	CODE	NUMBER	REV.
UNIT ASSY DZ11	D	UA	DZ11-Ø-Ø	H
SCALE NONE	SHEET 2 OF 4	DIST.		

MK



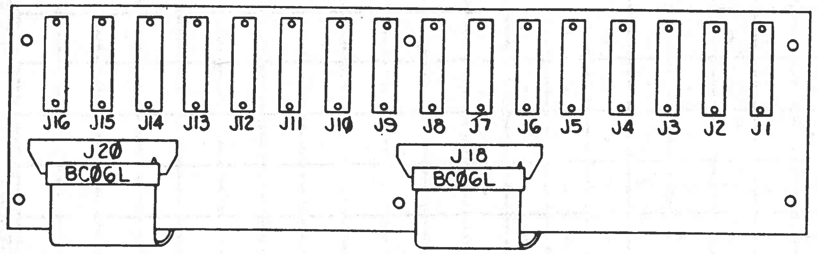
REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE	CODE	NUMBER	REV.
UNIT ASSY DZ11	D	UA	DZ11-Ø-Ø	H
SCALE NONE / SHEET 3 OF 4	DIST.			

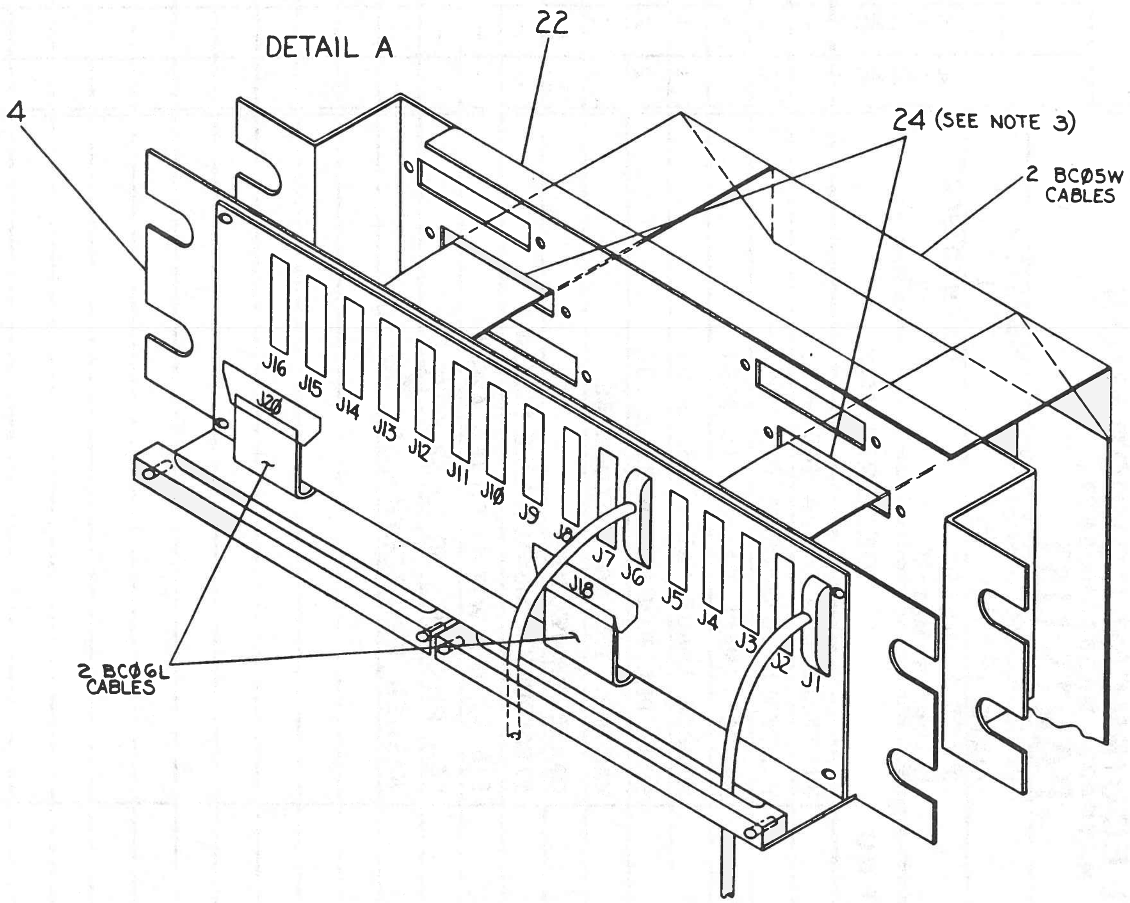
MK

NOTE:

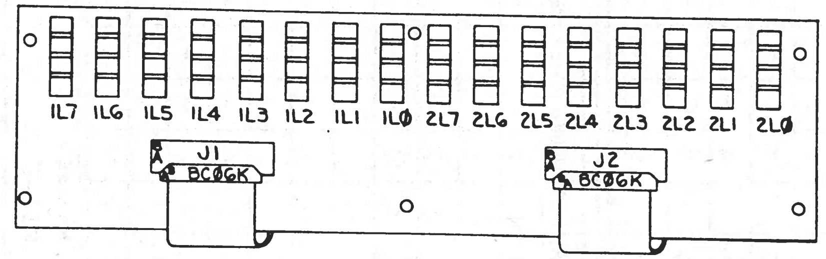
MOUNT FILTERS (ITEM 23 OR 24) TO THE OUTSIDE OF MOUNTING BRACKET (ITEM 22) WITH SCREWS AND LOCK WASHERS (ITEM 27 AND 28)



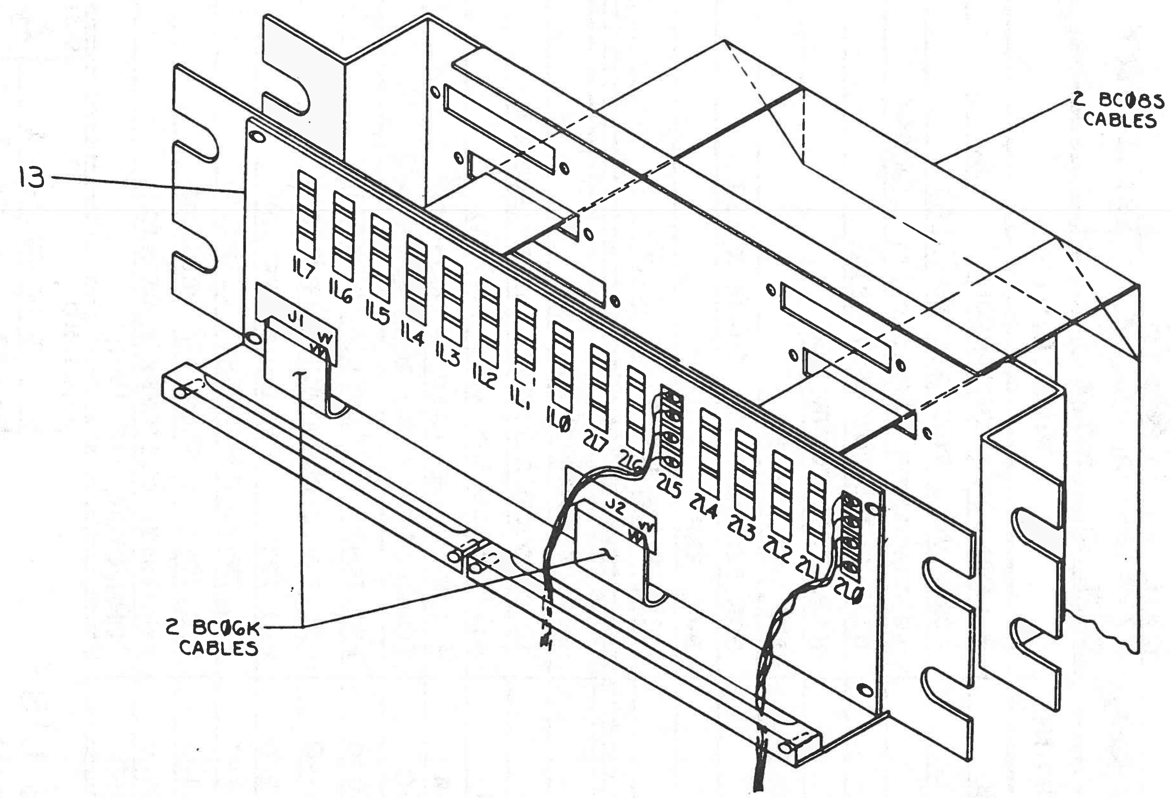
DETAIL A



DETAIL B



DETAIL C



DETAIL D

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE UNIT ASSY. DZ11	SIZE D	CODE UA	NUMBER DZ11-0-0	REV. H
SCALE NONE	SHEET 4 OF 4	DIST.		

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY K. DAVIS DATE 5-4-76
CHECKED P. Cappabianca DATE 13 May 76
SECTION
ENG Roberta Cormier DATE 5-13-76
PROD Tom McCabe DATE 5-14-76
ISSUED SECT.

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	DZ11-A	DZ11-B	DZ11-E	DZ11-C	DZ11-D	DZ11-F	DZ11-AA	DZ11-BA	DZ11-EA
1	D-UA-M7819-Ø-Ø	8 LINE EIA ASYNCHRONOUS MUX	1	1	2	-	-	-	1	1	2
2	D-UA-H3271-0-0	CONNECTOR, TURN AROUND (E.I.A)	1	-	1	-	-	-	1	-	1
3	D-IA-BCØ5W-15	5Ø CONDUCTOR SIGNAL CABLE (BCØ5W)	1	1	2	-	-	-	-	-	-
4	D-UA-H317-E-Ø	H317 CABLE BOX ASSY (EIA)	1	-	1	-	-	-	-	-	-
5	D-CS-H325-Ø-1	H325 TEST CONNECTOR	1	-	1	-	-	-	1	-	1
6	C-MD-7414386-0-0	BRACKET, PANEL	2	-	2	2	-	2	-	-	-
7	9006071-03	SCR, PH, TRUSS, HD, 10-32 X .38	4	-	4	4	-	4	-	-	
8	9006565-00	NUT, KEP 10-32	8	-	8	8	-	8	4	-	4
9	9006073-02	SCR, PH, FL, HD, 10-32 X .50	4	-	4	4	-	4	-	-	-
~~10~~	~~9007786-00~~	~~NUT, SPEED 10-32~~	~~4~~	~~-~~	~~4~~	~~4~~	~~-~~	~~4~~			
11	D-BD-DZ11-Ø-8	SYSTEM CONNECT DIAGRAM	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-Ø	H317 CABLE BOX ASSY (20 MA)	-	-	-	1	-	1	-	-	-
14	D-UA-M7814-Ø-Ø	8 LINE 20 MA ASYNCHRONOUS MUX	-	-	-	1	1	2	-	-	-
15	D-UA-H319Ø-0-0	CONNECTOR, TURN AROUND (2Ø 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	-	-	-

TITLE PARTS LIST DZ11
ASSY NO. D-UA-DZ11-Ø-Ø
SHEET 1 OF 2
SIZE A CODE PL NUMBER DZ11-Ø-Ø REV. H ECO NO. DZ11-MKØØ7
DIST.

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

MK

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS
PARTS LIST

MADE BY K. DAVIS DATE 4-MAY-76
CHECKED P. CAPPABIANCA DATE 14-MAY-76
SECTION 1
ENG R. CORMIER DATE 13-MAY-76
PROD T. McCABE DATE 14-MAY-76
ISSUED SECT. 1

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	DZ11-A	DZ11-B	DZ11-E	DZ11-C	DZ11-D	DZ11-F	DZ11-AA	DZ11-BA	DZ11-EA
23	1214614-01	FILTERED CONNECTOR (40 POS)	-	-	-	1	1	2	-	-	-
24	1214614-02	FILTERED CONNECTOR (50 POS)	1	1	2	-	-	-	-	-	-
25	D-UA-BCØ6K-ØJ-Ø	MIRROR IMAGE CABLE (40 POS)	-	-	-	1	1	2	-	-	-
26	D-UA-BCØ6L-ØJ-Ø	MIRROR IMAGE CABLE (50 POS)	1	1	2	-	-	-	-	-	-
27	9006022-01	SCR, PHL PAN HD #6-32 x .38	2	2	4	2	2	4	-	-	-
28	9006633-00	WASHER, INT TOOTH LOCK #6	2	2	4	2	2	4	-	-	-
29	1215278-00	CABLE PROTECTOR	1	1	2	1	1	2	-	-	-
30	D-IA-BCØ5W-8	50 CONDUCTOR SIGNAL CABLE (BCØ5W)	-	-	-	-	-	-	1	1	2
31	E-AD-7016469-0-0	EIA PANEL WITH FILTER ASS'Y	-	-	-	-	-	-	1	-	1
32	9006074-03	SCR, PH, TRUSS, HD, 10-32 X 5/8 LG	-	-	-	-	-	-	4	-	4
33	9007651-00	WASHER, EXT. TOOTH, LOCK #10	-	-	-	-	-	-	4	-	4

TITLE PARTS LIST DZ11
ASSY NO. D-UA-DZ11-Ø-Ø
SHEET 2 OF 2
SIZE A CODE PL NUMBER DZ11-Ø-Ø REV. H ECO NO. DZ11-MK??7
DIST.

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

DRAWING DIRECTORY

FOR FIELD MAINTENANCE PRINT SET SEE:

B-TC-DZ11-Ø-6 (DZ11-A,B&E(EIA)

B-TC-DZ11-Ø-11 DZ11-C,D&F(2ØMA)

UNIT VARIATIONS

VAR	TITLE
DZ11-A	8 LINE DBL BUF ASYNC EIA MUX
DZ11-B	DZ11-A MINUS DISTRIBUTION PANEL
DZ11-E	16 LINE ASYNC MUX EIA
	(DZ11-A + DZ11-B)
DZ11-C	8 LINE DBL BUF ASYNC 20MA MUX
DZ11-D	DZ11-C MINUS DISTRIBUTION PANEL
DZ11-F	16 LINE ASYN MUX-20MA (DZ11-C & DZ11-D)
DZ11-AA	8 LINE DBL BUF ASYNC EIA MUX W. 8FT. CABLE
DZ11-BA	DZ11-AA MINUS DIST. PANEL
DZ11-EA	DZ11-AA + DZ11-BA

REVISIONS

REV.	CHANGE NO.	CHK
A	DZ11-1	KiT
B	DZ11-2	KiT
C	DZ11-3	KiT
D	DZ11-4	[illegible]
E	DZ11-MKØØ5	[illegible]
F	DZ11-MK6	[illegible]
H	DZ11-MK7	[illegible]

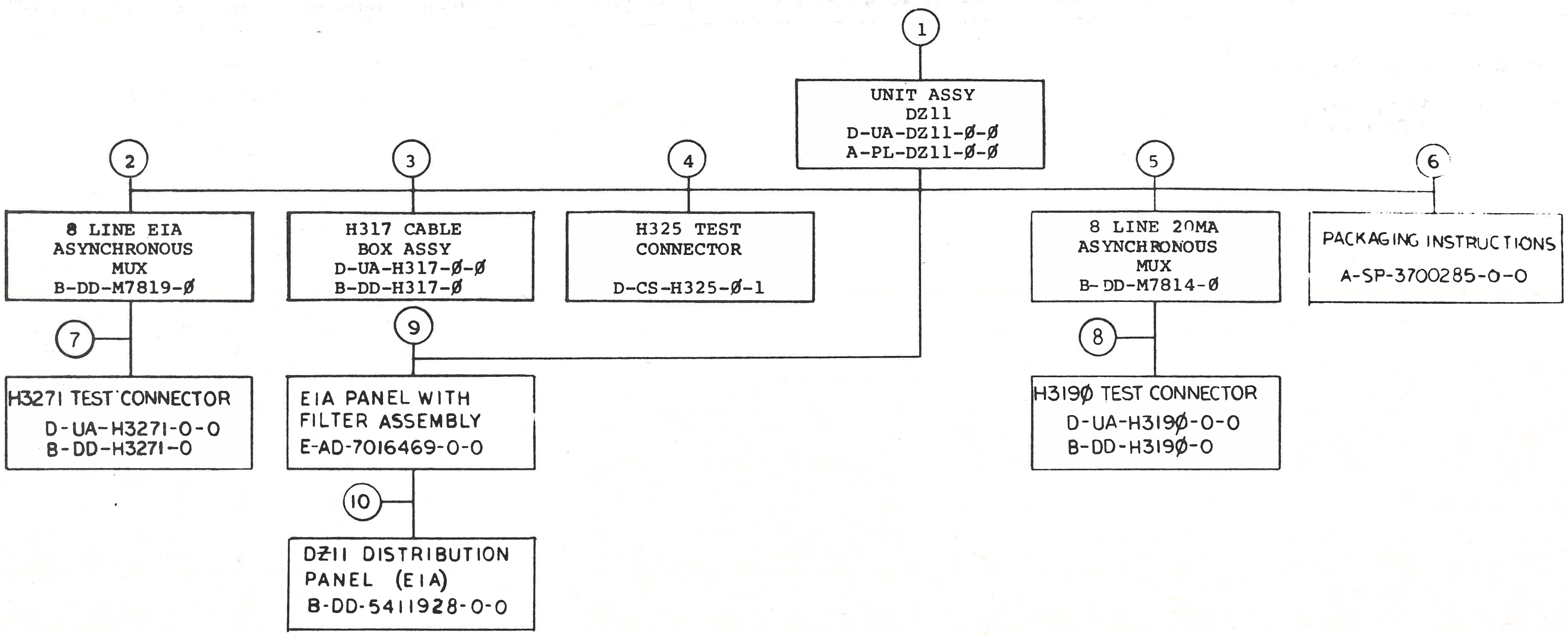
USED ON OPTION/MODEL	
DZ11	

DRN. K. DAVIS	DATE 5-6-76	TITLE ASYNCHRONOUS MUX DZ11	digital
CHK'D. [illegible]	DATE 5-14-76		
PROJ. ENG. [illegible]	DATE	SIZE B, CODE DD, NUMBER DZ11-Ø	REV H
PROD. [illegible]	DATE [illegible]	DIST.	

SHEET 1 OF 3

DRB 106A

MK



TITLE		SIZE	CODE	NUMBER	REV
ASYNCHRONOUS MUX DZ11	SHEET 2 OF 3	B	DD	DZ11-Ø	H

MK

DRB 107
DEC 16—(325)—1062—3—N871

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	MPØØ132	DZ11-A,B,&E FIELD MAINTENANCE PRINT SET	-
	B-TC-DZ11-Ø-6	DZ11-A,B,&E FIELD MAINTENANCE PRINT SET (TC)	-
	D-UA-DZ11-Ø-Ø	UNIT ASSY DZ11	E/M
	A-PL-DZ11-Ø-Ø	ASYNCHRONOUS MUX DZ11	E/M
	C-IA-H327-Ø-Ø	CONNECTOR, TURN AROUND	E/M
	D-IA-BCØ5W-Ø-Ø	50 CONDUCTOR SIGNAL CABLE (BCØ5W)	E/M
	C-MD-7414386-Ø-Ø	BRACKET, PANEL	M
	C-IA-BCØ8S-Ø-Ø	40 CONDUCTOR SIGNAL CABLE (BCØ8S)	E/M
	D-UA-BCØ6K-Ø-Ø	MIRROR IMAGE CABLE (40 POS)	E/M
	A-PL-DZ11-Ø-5	SHIPPING LIST	M
	D-BD-DZ11-Ø-8	SYSTEM CONNECT DIAGRAM	E
	D-UA-BCØ6L-Ø-Ø	MIRROR IMAGE CABLE (50 POS)	E/M
	MP00253	DZ11-C,D&F FIELD MAINTENANCE PRINT SET	-
	B-TC-DZ11-Ø-11	DZ11-C,D&F FIELD MAINTENANCE PRINT SET	-
	A-PS-1214614-0-0	H7ØØ4 FILTER CONNECTOR	E/M
	A-SP-DZ11-Ø-1	DZ11 TEST PROCEDURE	E/M
	A-SP-DZ11-Ø-2	DZ11 ACCEPTANCE PROCEDURE	-
	A-SP-DZ11-Ø-9	DZ11 ENGINEERING SPECIFICATION	-
	D-IA-7415808-0-0	CONNECTOR MTG PANEL	M
	A-PS-1215278-00	CABLE PROTECTOR	M
2	B-DD-M7819-Ø	8 LINE EIA ASYNCHRONOUS MUX	E/M
3	D-UA-H317-Ø-Ø	H317 CABLE BOX ASSY	E/M
	B-DD-H317-Ø	H317 CABLE BOX ASSY	E
4	D-CS-H325-Ø-1	H325 TEST CONNECTOR	E/M
	K-CO-H325-Ø-4	X-Y COORDINATE HOLE LOCATION	M
	D-AH-H325-Ø-5	ASSY/DRILLING HOLE LAYOUT	M
	B-MH-H325-Ø-6	MODULE ECO HISTORY	E/M
5	B-DD-M7814-Ø	8 LINE 20 MA ASYNCHRONOUS MUX	E/M
6	A-SP-3700285-0-0	PACKAGING INSTRUCTION	M
7	D-UA-H3271-Ø-Ø	CONNECTOR, TURN AROUND (EIA)	M
	B-DD-H3271-Ø	CONNECTOR, TURN AROUND (EIA)	E/M
8	D-UA-H319Ø-Ø-Ø	CONNECTOR, TURN AROUND (20 MA)	M
	B-DD-H319Ø-Ø	CONNECTOR, TURN AROUND (20 MA)	E/M
9	E-AD-7016469-0-0	EIA PANEL WITH FILTERS ASSY.	E/M
	E-IA-7421965-0-0	PANEL, MOUNTING	M
	D-UA-BC06L-0-0	MIRROR IMAGE CABLE (50 POS.)	E/M
10	B-DD-5411928-0	DZ11 DISTRIBUTION PANEL (EIA)	E/M
	D-UA-5411928-0-0	DZ11 DISTRIBUTION PANEL (EIA)	E/M
	B-PL-5411928-0-0	DZ11 DISTRIBUTION PANEL (EIA)	E/M

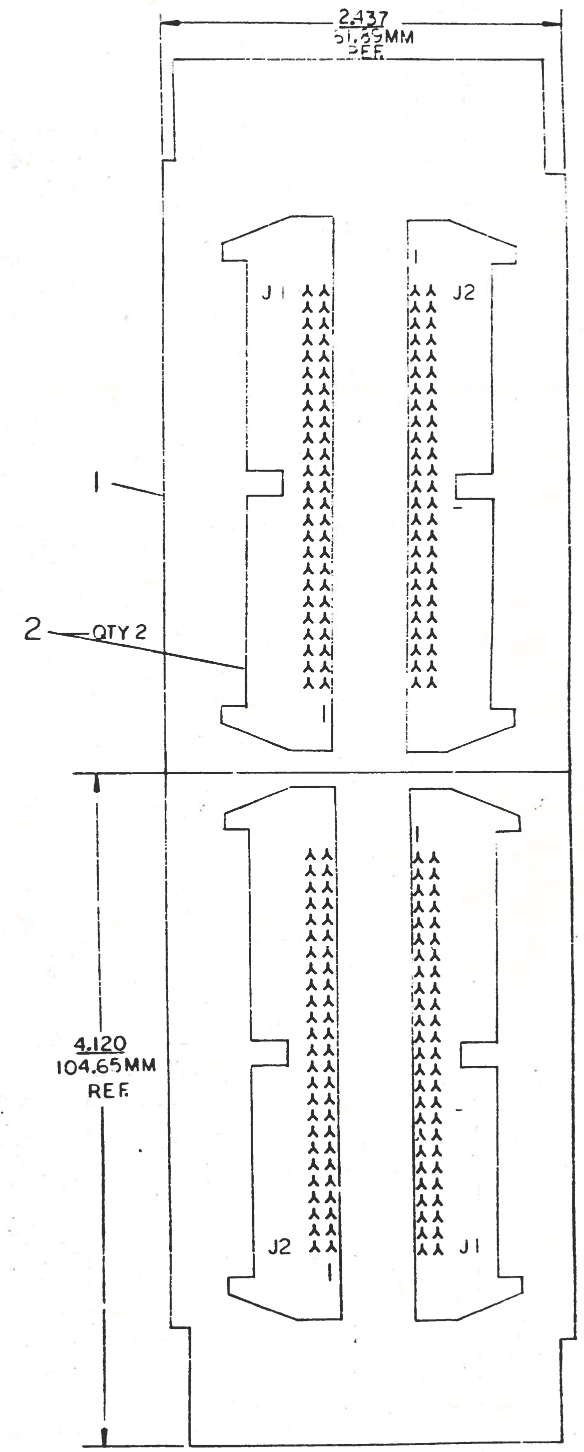
TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

DRB 108A

digital

TITLE	SHEET	SIZE	CODE	NUMBER	REV
ASYNCHRONOUS MUX DZ11	3 OF 3	B	DD	DZ11-0	H

MK



NOTES:

CHK	CHANGE NO	REV
	REDRAWN	C
	H3271-MKIA	C
	R HARRINGTON	

ETCH REV. D
P.C. DESIGN DATA BASE REV. D

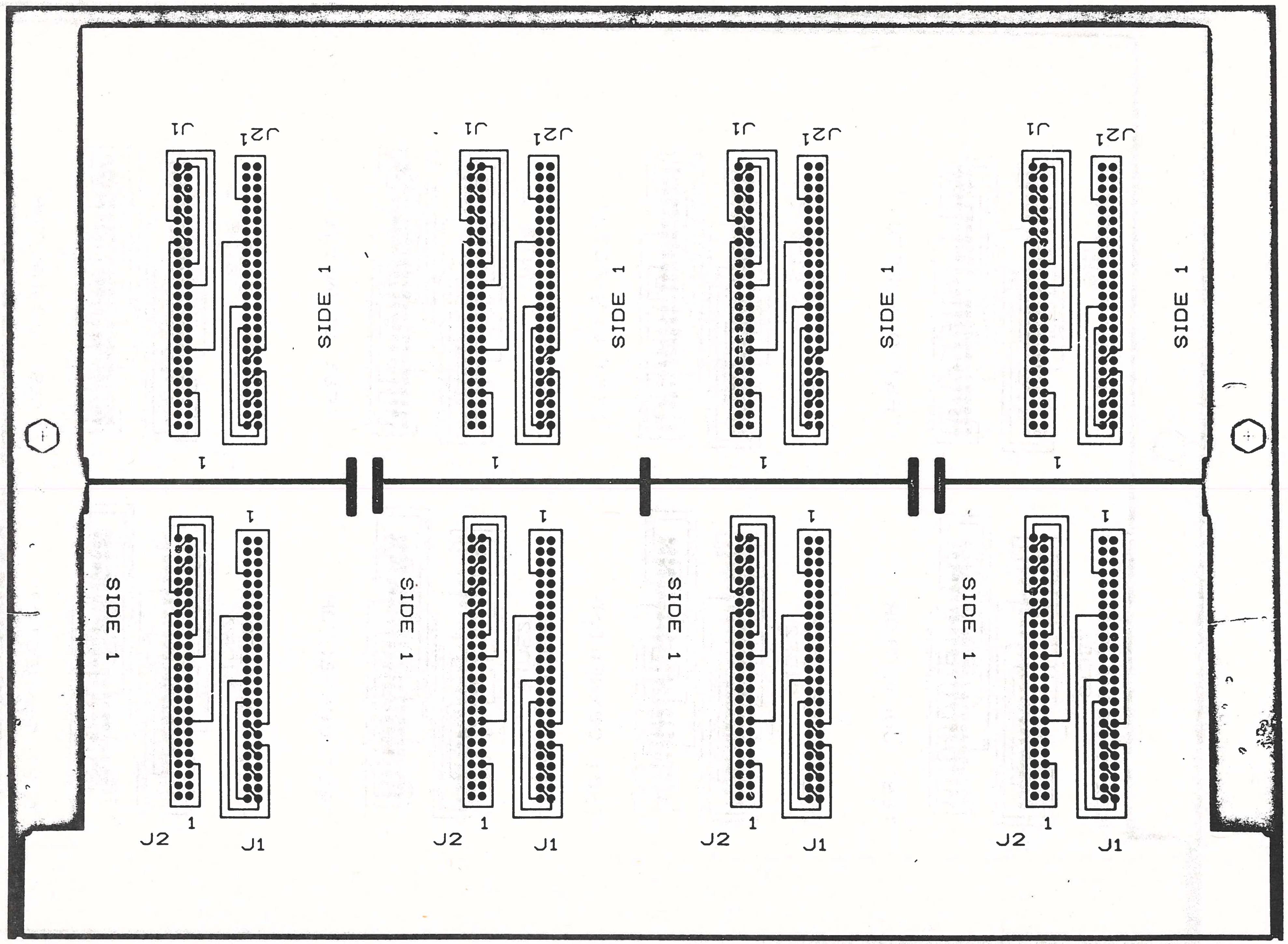
SIGNATURES	DATE
DRN.	
CHK'D.	
ENG.	
PROJ.ENG.	
PROD.	
SCALE 2-1	
SHT. 1 OF 3	
NEXT HIGHER ASSY. 6-DD-H3271-0	

digital

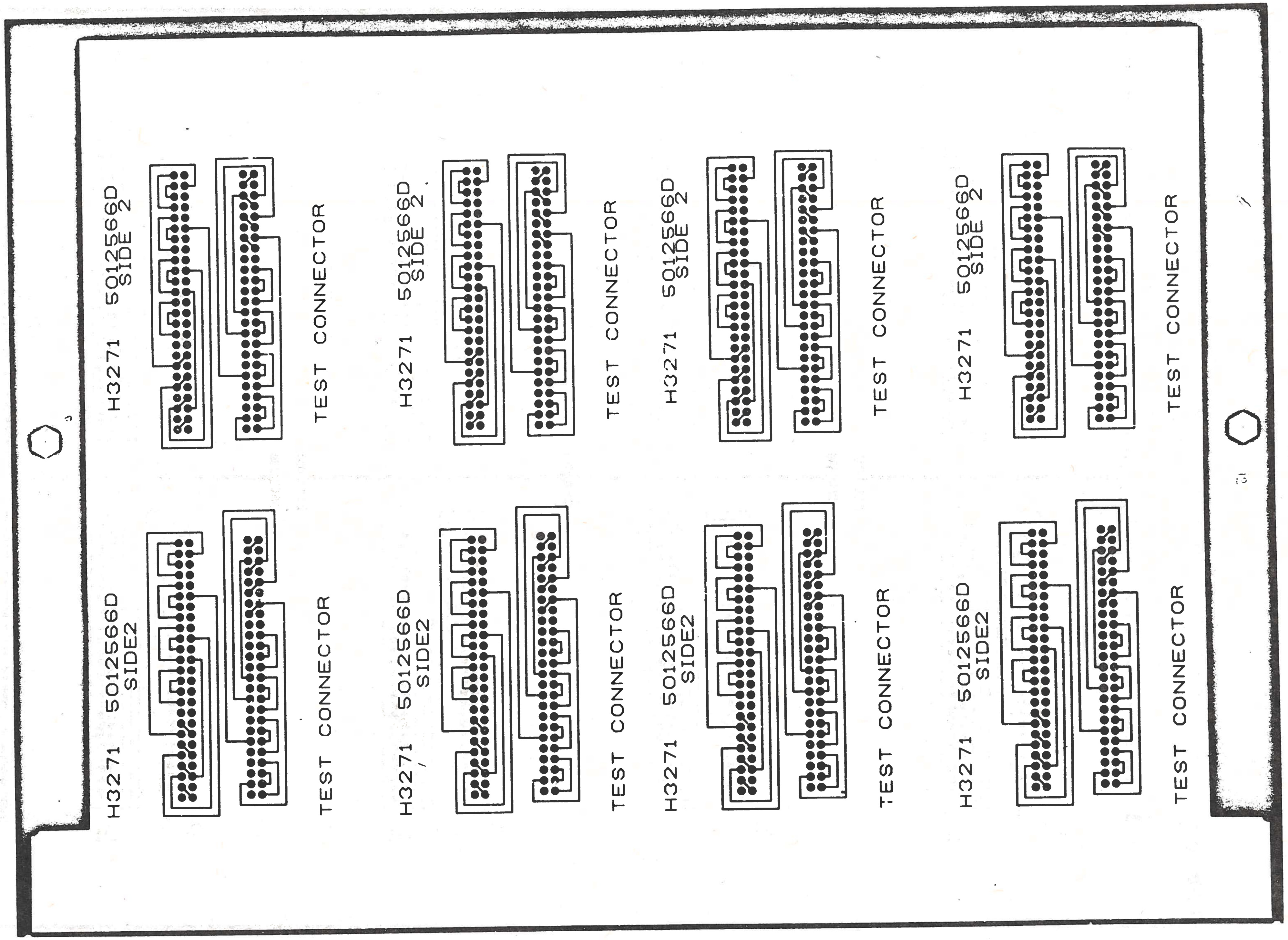
TITLE
TEST CONNECTOR

SIZE	CODE	NUMBER	REV
D	UA	H3271-0-0	C

1 MS#301153

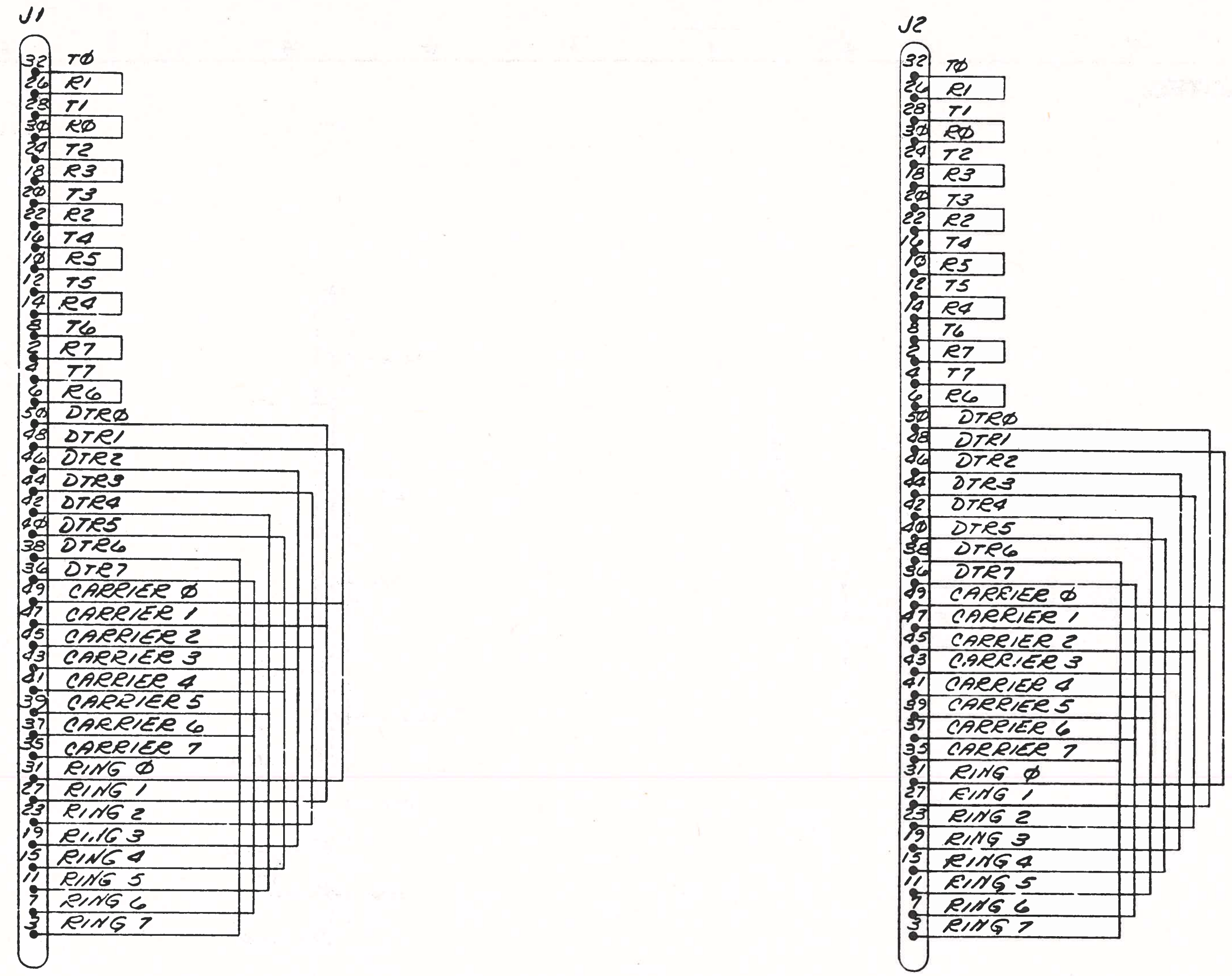


TITLE	SIZE	CODE	NUMBER	REV
TEST CONNECTOR	D	UA	H3271-C-0	C
SCALE 2/1	SHEET 2 OF 3			



REVISIONS		
CHG	CHANGE NO	REV

TITLE	SIZE	CODE	NUMBER	REV
TEST CONNECTOR	D	UA	H3271-0-C	C
SCALE 2/1 SHEET 3 OF 3				

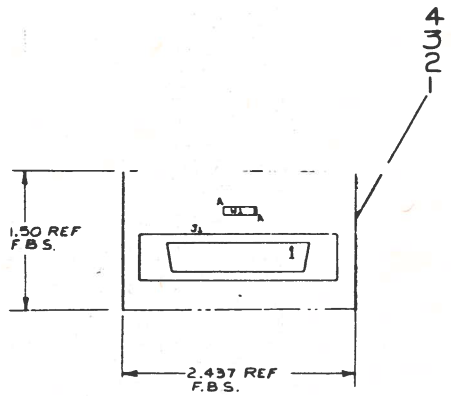


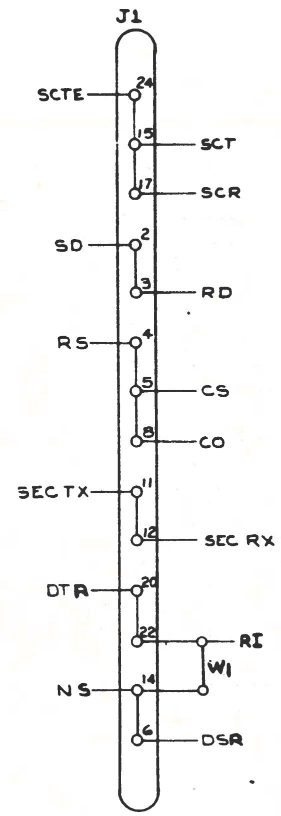
REVISIONS		
CHK.	CHANGE NO.	REV.
	H3271-MK001	C

FIRST USED ON	DZ11
TITLE	TEST CONNECTOR
NEXT HIGHER ASSY.	D-UA-H3271-Ø-Ø
SIZE	D
CODE	CS
NUMBER	H3271-Ø-1
REV.	C
SHEET	1 OF 1

digital

NOTES:





QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
REF		X-Y COORDINATE HOLE LOC	K-CO-H325-0-4	1
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-H325-0-8	2
REF		MODULE ECO HISTORY	B-MH-H325-0-6	3
1		ETCHED CIRCUIT BOARD	5011678	4
1	J1	CONNECTOR	1210247	5
1	W1	INSULATED JUMPER WIRE	9009156	6

PARTS LIST

IC TYPE	GND	+5V

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE

IC PIN LOCATIONS

DEC NO.	EIA NO.	DEC NO.	EIA NO.

SEMICONDUCTOR CONVERSION CHART

FIRST USED ON OPTION MODEL: DVII

ETCH BOARD REV. C

REV.	CHANGE NO.	ORIGINATED	CHK
A	ORIGINATED		
B	H325-000CI	F ZERESKI 6-3-75	

REVISIONS

DRN. / CHKD / ENG. / PROJ. ENG. / PROD. R. Wall — DATE 4-24-75

NEXT HIGHER ASSY: D-UA-DVII-0-0

SCALE —/—   SHEET 1 OF 1

digital

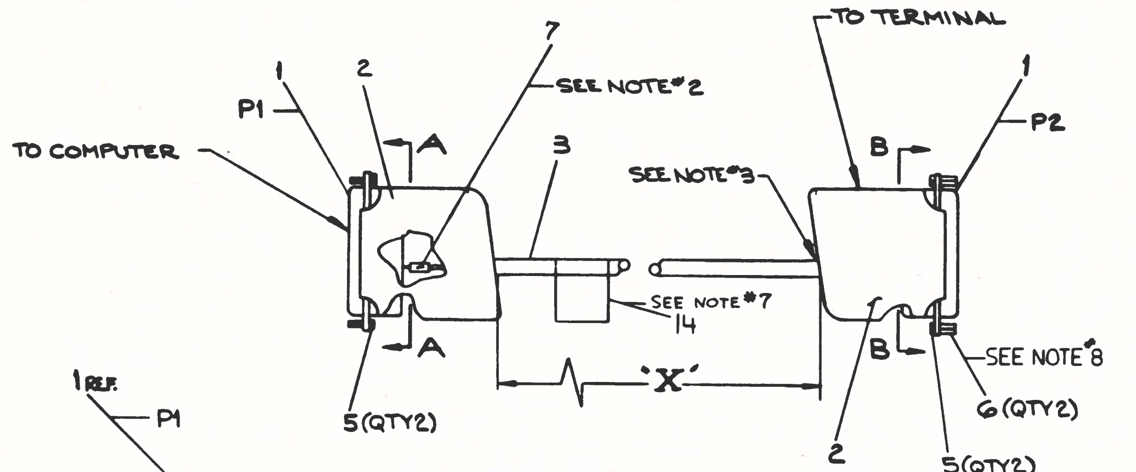
TITLE: H325 TEST CONNECTOR

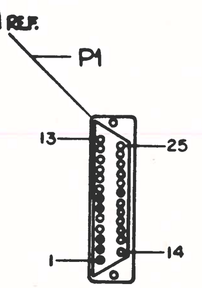
SIZE: D CODE: CS NUMBER: H325-0-1 REV.: B

DIST.

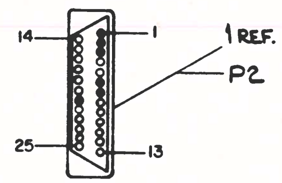
WIRE TABLE

ITEM NO.	DESCRIPTION AWG	DESCRIPTION COLOR	FROM CONNECTION	FROM WITH	TO CONNECTION	TO WITH	REMARKS
3	22	BLK	P1-7 NOTE #4	4	P2-7 NOTE #4	4	
3		RED	P1-2	8	P2-3	8	
3		SHIELD	P1-1 NOTE #2&4	4&7	P2-1 NOTE #2	4&7	
3		BLK	P1-7 NOTE #4	4	P2-7 NOTE #4	4	
3		WHT	P1-3	8	P2-2	8	
3		SHIELD	P1-1 NOTE #2&4	4&7	P2-1 NOTE #2	4&7	
3		BLK	P1-6	8	P2-20	8	
3		GRN	P1-20	8	P2-6	8	
3	22	SHIELD	SEE NOTE #3	-	SEE NOTE #3	-	

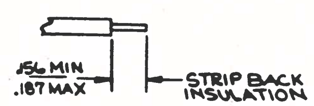




SECTION A-A
SCALE: NONE
(REAR VIEW)



SECTION B-B
SCALE: NONE
(REAR VIEW)

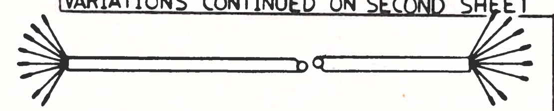


DETAIL-A
TYP. ALL WIRE ENDS

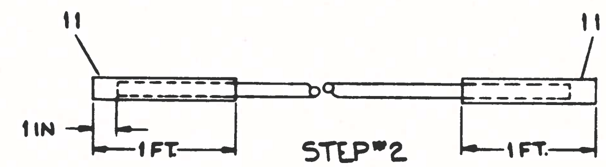
LEGEND

NUMBER	VARIATION	REMARKS
	DIM'S "X"	
BC03M-01	1FT.	
BC03M-25	25FT.	
BC03M-A0	100FT.	
BC03M-B5	250FT.	SEE NOTE 10
BC03M-E0	500FT.	SEE NOTE 10
BC03M-L0	1000FT.	SEE NOTE 10
BC03M-H5	750FT.	SEE NOTE 10

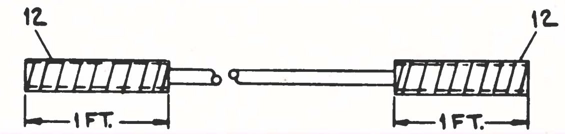
VARIATIONS CONTINUED ON SECOND SHEET



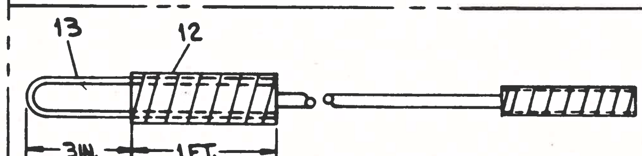
STEP #1
INSTALL ITEM #4, 7 AND 8 TO ITEM #3 (CABLE) PER WIRE TABLE



STEP #2
COVER BOTH ENDS WITH ITEM #11 (TUBING, HEAT SHRINK) PER ABOVE DIM'S



STEP #3
COVER BOTH ENDS WITH ITEM #12 (TAPE) PER ABOVE DIM'S



STEP #4
INSTALL ITEM #13 TO ITEM #3 BY USING ITEM #12 (TAPE). PER ABOVE DIM'S
THE WIRE LOOP AT END OF CABLE IS USED TO PULL CABLE THREW CONDUIT PIPE, AT INSTALLATION.

NOTES:

1. VARIATIONS AND LENGTHS SHOWN IN LEGEND ARE STANDARD AND ARE SPECIFIED BY NUMERIC DESIGNATION IN FOOT INCREMENTS, THE TOLERANCE ON DIMENSION "X" WILL BE ± 2% OF THE FOOT INCREMENT.
2. DRAIN WIRES TO BE ENCLOSED WITH ITEM #7 (TUBING) FROM END OF CABLE JACKET TO POINT WERE THEY ENTER CONTACT.
3. CUT BACK DRAIN WIRE TO OUTER INSULATION ON BOTH ENDS.
4. THERE ARE TWO WIRES INSTALLED IN EACH #18-20 GA CONTACT (ITEM #4)
5. USE INSERTION/EXTRACTION TOOL (ITEM #9) TO CONSTRUCT CABLE. THIS PIECE IS DISCARDED AFTER USE.
6. THIS VARIATION IS NORMALLY A SPECIAL LOW VOLUME LENGTH.
7. LABEL PER DEC. STD. 022.
8. REMOVE ITEM #6 FOR CONNECTION TO UNITS WITHOUT CABLES I.E. VT05, VT100, ETC.
9. AT THE DISCRETION OF THE MANUFACTURING SITE. ITEM #8 MAY BE SUBSTITUTED WITH P/N 1212583-00.
10. USE STEPS 1 THROUGH 4 FOR THIS VAR. THEN STOCK IN KIT FORM AS FOLLOWS: PUT ITEMS 1, 2, 5, 6 & 9, AND ONE (1) COPY OF THIS PRINT INTO PLASTIC BAG (ITEM #10) FOLD OVER CABLE (ITEM #3) AND STAPLE TOGETHER.

BC03M-H5	BC03M-L0	BC03M-E0	BC03M-B5	BC03M-A0	BC03M-25	BC03M-01	DESCRIPTION	DWG./PART NO.	ITEM NO.
N/R	A/R	A/R	A/R	-	-	-	WIRE #14 AWG (2FT 6IN LG)	9107370-00	13
N/R	A/R	A/R	A/R	-	-	-	TAPE (ROLL)	9009507	12
N/R	A/R	A/R	A/R	-	-	-	TUBING (HEAT SHRINK)	9107252-00	11
1	1	1	1	-	-	-	BAG, PLASTIC	9905129-21	10
1	1	1	1	-	-	-	TOOL, INSERT/EXTRACT	4700024	9
8	8	8	8	8	8	8	SOCKET #22	1212583-0	8
N/R	A/R	A/R	A/R	A/R	A/R	A/R	TUBING #18 GA (NAT)	9107278-11	7
2	2	2	2	2	2	2	SPACER #4-40 X .25 LG.	9008496	6
4	4	4	4	4	4	4	SCR. RETAINER (MALE)	9009722	5
4	4	4	4	4	4	4	SOCKET #18-20	1212583-1	4
N/R	A/R	A/R	A/R	A/R	A/R	A/R	CABLE	9107723	3
2	2	2	2	2	2	2	HOOD	1210493-50	2
2	2	2	2	2	2	2	PLUG	1211354	1

QUANTITY & VARIATION

CAUTION: OFF SHEET PARTS LIST EXISTS. REFER TO K-PL-BC03M-0-0.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES ±0° 30'

SURFACE QUALITY IN MICROINCHES

CLASS OF ACCURACY (CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
MEDIUM	±.004	±.008	±.012	±.016	±.024	±.04
PREFERRED	±.012	±.016	±.025	±.04	±.063	±0.1

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL: SEE PARTS LIST

FINISH: --

DRN. 1-1975
CHKD. 6-13-75
ENG. 6-27-75
PROJ. 7-1-75
PROD. 7-1-75

NEXT HIGHER ASSY.

FIRST USED ON --

digital

TITLE: CORD, EXTENSION NULL MODEM

SIZE D | CODE IA | NUMBER BC03M-0-0 | REV. F

SCALE 1/1 | SHEET 1 OF 2 | DIST.

MK

REVISIONS CHK	CHANGE NO.	REV.
	BC03M-00001	A
	B. SAMPSON	
	BC03M-00002	B
	B. SAMPSON	
	BC03M-00003	C
	B. SAMPSON	
	BC03M-MK004	D
	T. ORR	
	BC03M-MK005A	E
	T. ORR	
	BC03M-MK006	F
	T. ORR	

DEC FORM NO. DRD 102-C

8 6 5 4 3 2 1

SIZE	CODE	NUMBER	REV
D	IA	BCØ3M-Ø-Ø	F

LEGEND CONT.

NUMBER	DIM "X"	REMARKS
BCØ3M-15	15 FT	SEE NOTE 6
BCØ3M-35	35 FT	SEE NOTE 6
BCØ3M-5Ø	50 FT	SEE NOTE 6
BCØ3M-75	75 FT	SEE NOTE 6
BCØ3M-A5	150 FT	SEE NOTE 6
BCØ3M-BØ	200 FT	SEE NOTE 6

D C B A

REVISION HISTORY

DATE	ECO NUMBER	REV.

TITLE CORD, EXTENSION NULL MODEM

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV.
D	IA	BCØ3M-Ø-Ø	F

SCALE NONE SHEET 2 OF 2

DRD 137A

MK

8 7 6 5 4 3 2 1

WIRE TABLE

	ITEM NO	DESCRIPTION AWG	COLOR	FROM CONNECTION	FROM WITH	TO CONNECTION	TO WITH
	1	#22	BLK	P1-1	#4	P2-1	#4
	1	#22	RED	P1-2	#4	P2-3	#4
	1	#22	GRN	P1-3	#4	P2-2	#4
	5	#26	GRN	P1-4	#4	P1-5	#4
	1	#22	BLU			P2-8	#4
	1	#22	YEL	P1-7	#4	P2-7	#4
	1	#22	VIO	P1-8	#4	P2-4	#4
	5	#26	GRN	P2-5	#4		
	1	#22	GRY	P1-20	#4	P2-6	#4
	5	#26	GRN	P2-22	#4		
	1	#22	ORN	P1-6	#4	P2-20	#4
	5	#26	GRN			P1-22	#4
*	1	#22	BRN	P1-15	#4	P2-17	#4
*	5	#26	GRN			P1-24	#4
*	1	#22	WHT	P1-17	#4	P2-15	#4
*	5	#26	GRN	P2-24	#4		

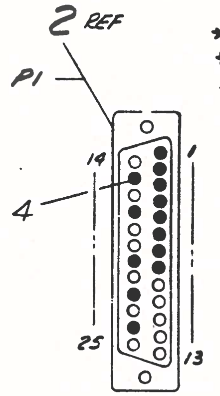
* SEE NOTE #1

LEGEND

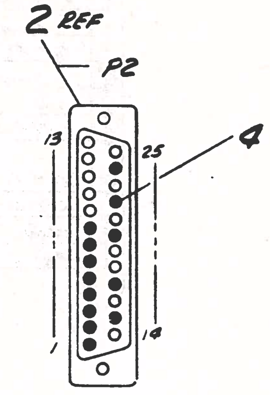
NUMBER	VARIATION DIM "X"	DIM "Y" REF
BC03P-2	2 FT ± 1 IN.	2 FT 1 IN ± 1 IN
BC03P-25	25 FT ± 3 IN	25 FT. 1 IN. ± 3 IN
BC03P-50	50 FT ± 10 IN	50 FT 1 IN ± 10 IN
BC03P-A0	100 FT ± 20 IN	100 FT 1 IN ± 20 IN

NOTES:

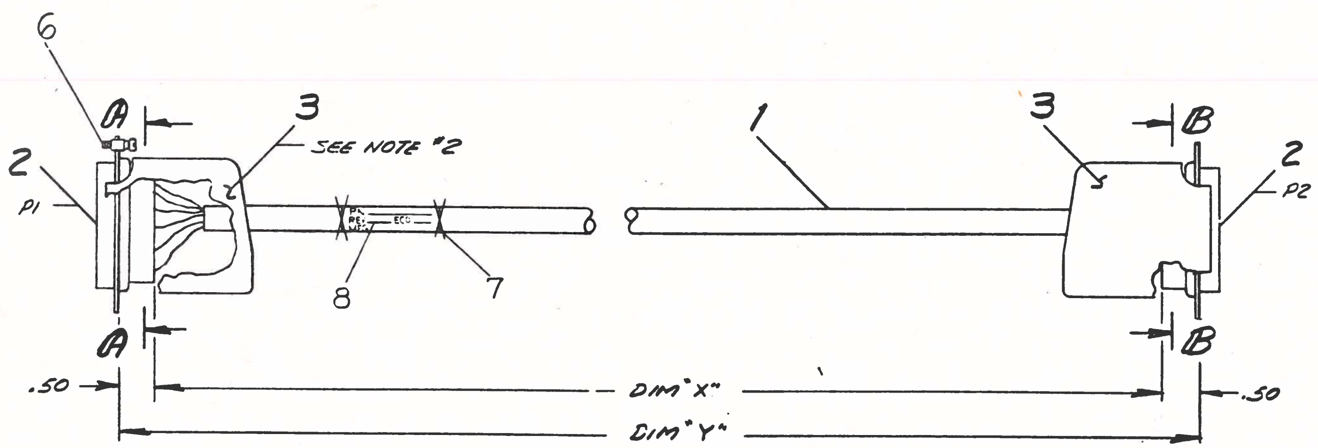
1. DO NOT USE LONG BC03.P CABLES BETWEEN SYNCHRONOUS DEVICES BECAUSE THE UNSHIELDED TIMING LEADS (PIN 15 AND 17) CAN CAUSE CROSSTALK. THE BC03P-2 IS BEST FOR THIS TYPE OF APPLICATION.
2. CABLE (ITEM #1) TO GO INSIDE HOOD (ITEM #3) AT LEAST .50 AND WIRES SHOULD BE APPROXIMATELY 1.38 IN. IN LENGTH, SO THEY DON'T BUNCH INSIDE HOOD.



VIEW A-A
WITH HOOD REMOVED
SCALE: NONE



VIEW B-B
WITH HOOD REMOVED
SCALE: NONE



QTY	DESCRIPTION	DWG./PART NO.	ITEM NO.
1	LABEL, CABLE	9009532	8
2	TIE WRAP (SMALL)	9007131	7
4	SCREW, CAPTIVE ASSY.	9009722	6
A/R	WIRE #26 AWG (GRN)	9107636-55	5
26	SOCKET, CRIMP	1210493-41	4
2	HOOD & STRAIN RELIEF	1210493-50	3
2	SHELL & INSERT	1210493-32	2
A/R	CABLE, (10 CONDUCTOR)	9107623	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES ±0° 30'	CLASS OF ACCURACY (CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
SURFACE QUALITY IN MICROINCHES	MEDIUM	±.004	±.008	±.012	±.016	±.024	±.04
	PREFERRED	±.012	±.016	±.025	±.04	±.063	±0.1

QUANTITY & VARIATION

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL: SEE PARTS LIST
FINISH: —

DRN	[illegible]	8/4/75
CHK'D	[illegible]	12-3-75
ENG.	[illegible]	12/4/75
PROJ. ENG.	[illegible]	12-3-75
PROD.	R. Wall	12-3-75
NEXT HIGHER ASSY.		

FIRST USED ON: DZ11

digital

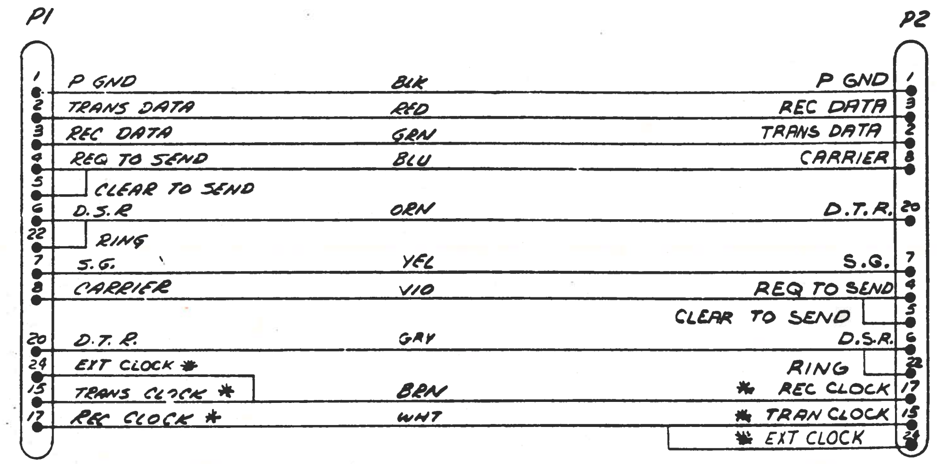
TITLE: NULL MODEM CABLE ASSY.

SIZE	CODE	NUMBER	REV.
D	IA	BC03P-0-0	B

SCALE 1/1 SHEET 1 OF 2 DIST.

REVISIONS

CHK	CHANGE NO.	REV.
	BC03P-001	A
	J. Brown 8/1/76	
	J. ROBERTS	
	[illegible] 1 MAR 76	
	BC03P-00002	B
	B. [illegible] 6 May 77	
	R CORMIER	
	[illegible] 13 MAY 77	



* SEE NOTE *1

REVISIONS		
CHK	CHANGE NO	REV

TITLE	SIZE	CODE	NUMBER	REV.
NULL MODEM CABLE ASSY	D	IA	BCØ3P-Ø-Ø	B
SCALE NONE SHEET 2 OF 2	DIST.			

WIRE TABLE

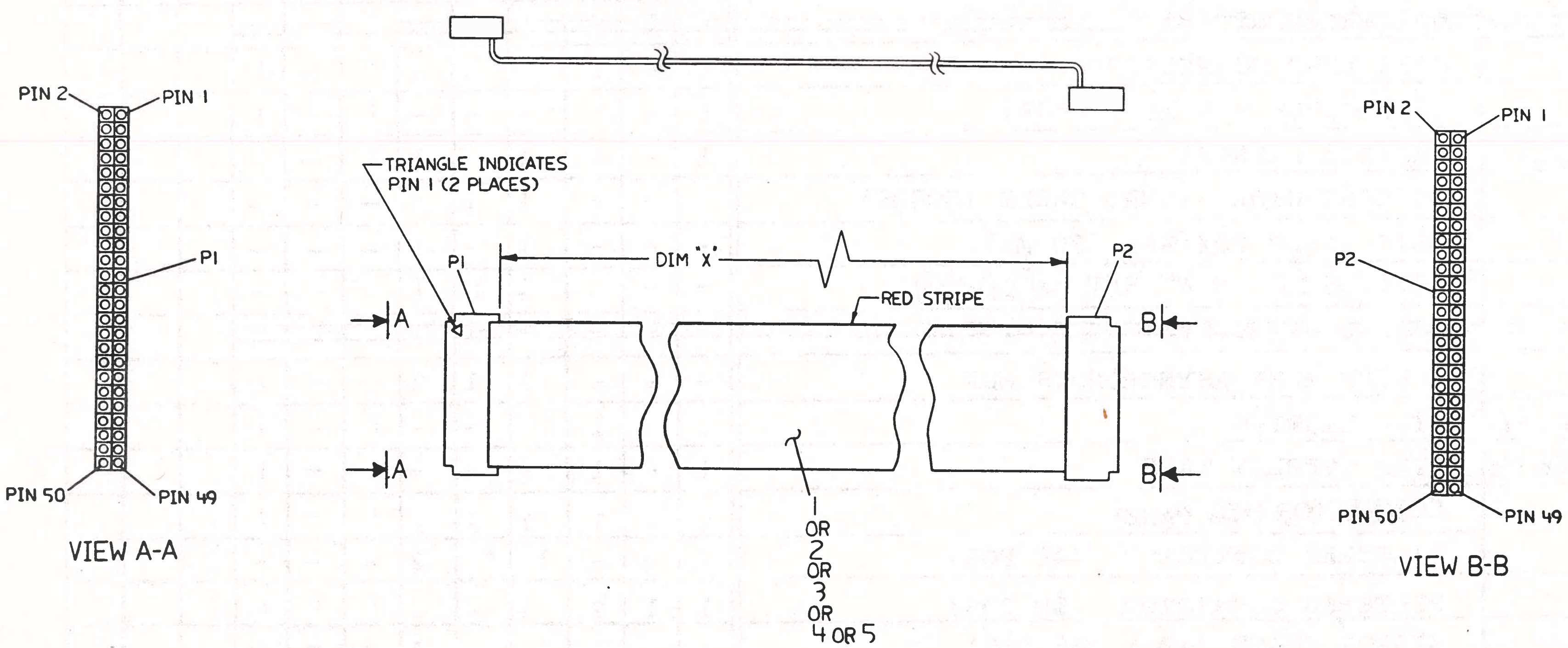
ITEM NO	DESCRIPTION AWG	DESCRIPTION COLOR	FROM CONN	FROM WITH	TO CONN	TO WITH
1 THRU 5	30		P1-1		P2-2	
			P1-2		P2-1	
			P1-3		P2-4	
			P1-4		P2-3	
			P1-5		P2-6	
			P1-6		P2-5	
			P1-7		P2-8	
			P1-8		P2-7	
			P1-9		P2-10	
			P1-10		P2-9	
			P1-11		P2-12	
			P1-12		P2-11	
			P1-13		P2-14	
			P1-14		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	
	30		P1-25		P2-26	

WIRE TABLE

ITEM NO	DESCRIPTION AWG	DESCRIPTION COLOR	FROM CONN	FROM WITH	TO CONN	TO WITH
1 THRU 5	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	
	30		P1-50		P2-49	

LEGEND

NUMBER	DIM 'X' VARIATION
BCØ6L-ØJ	8 IN ± .5 IN
BCØ6L-1K	1 FT 9 IN ± 1 IN
BCØ6L-7K	7 FT 9 IN ± 2 IN
BCØ6L-4B	4 FT 2 IN ± 2 IN
BCØ6L-2F	2 FT 6 IN ± 1 IN



CAUTION: OFF SHEET PARTS LIST
SEE K-PL-BCØ6L-Ø-Ø

DESCRIPTION	DWG./PART NO.	ITEM NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

ANGLES ±0° 30'
SURFACE QUALITY IN MICROINCHES
QUANTITY & VARIATION
THIRD ANGLE PROJECTION
REMOVE BURRS AND BREAK SHARP CORNERS
DO NOT SCALE DWG
MATERIAL SEE PARTS LIST
FINISH

DRN. D. Chisam	30 DEC 81
CHK'D J. Falkowski	2 APR 82
ENG.	13 APR 82
PROJ. ENG.	13 APR 82
PROD.	

NEXT HIGHER ASSY.
SCALE NONE
SHEET OF 1

FIRST USED ON H7ØØ4-C
digital

TITLE MIRROR IMAGE CABLE

SIZE	CODE	NUMBER	REV.
D	UA	BCØ6L-Ø-Ø	B

DIST.

REV.	CHANGE NO.	REVISIONS
B	ORIGINATED BCØ6L-MKØØ2	

MK

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY K. DAVIS DATE 4 MAY' 76	CHECKED P. Coppolamanco DATE 14 May 76	SECTION	
ENG Robert A. Amling DATE 5-13-76	PROD Toni M. Cabal DATE 5-14-76	ISSUED SECT.	

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	DZ11-A	DZ11-B	DZ11-E	DZ11-C	DZ11-D	DZ11-F	DZ11-AA	DZ11-BA	DZ11-EA
1	D-UA-M7819-Ø-Ø	8 LINE EIA ASYNCHRONOUS MUX	1	1	2	-	-	-	1	1	2
2	D-UA-H3271-0-0	CONNECTOR, TURN AROUND (EIA)	1	-	1	-	-	-	1	-	1
3	D-IA-BCØ5W-15	5Ø CONDUCTOR SIGNAL CABLE (BCØ5W)	1	1	2	-	-	-	-	-	-
4	EK-DZ11Ø-OP-ØØ1	MANUAL, USER'S	1	-	1	1	-	1	1	-	1
5	ZJ223-RB	DIAGNOSTIC SOFTWARE KIT	1	-	1	1	-	1	1	-	1
6	B-TC-DZ11-Ø-6	DZ11-A,B & E PRINT SET (MPØØ132)	1	1	1	-	-	-	1	1	1
~~7~~	~~B-TC-DZ11-Ø-10~~	~~DZ11-B PRINT SET~~	~~-~~	~~1~~	~~-~~	~~-~~	~~-~~	~~-~~			
8	D-CS-H325-Ø-1	H325 TEST CONNECTOR	1	-	1	-	-	-	1	-	1
9	D-UA-H317-E-Ø	H317 CABLE BOX ASSY (EIA)	1	-	1	-	-	-	1	-	1
10	MAINDEC-11-DXQLL	DEC/X11 LIBRARY *	1	-	1	1	-	1	1	-	1
11	C-IA-BC08S-15	40 CONDUCTOR SIGNAL CABLE (BC08S)	-	-	-	1	1	2	-	-	-
12	D-UA-H317-F-0	H317 CABLE BOX ASS (20 MA)	-	-	-	1	-	1	-	-	-
13	B-TC-DZ11-0-11	DZ11 C,D & F PRINT SET (MPØØ253)	-	-	-	1	1	1	-	-	-
~~14~~	~~B-TC-DZ11-0-12~~	~~DZ11-D PRINT SET~~	~~-~~	~~-~~	~~-~~	~~-~~	~~1~~	~~-~~			
15	D-UA-M7814-0-0	8 LINE 20MA ASYNCRONOUS MUX	-	-	-	1	1	2	-	-	-
16	MAINDEC-11-DZDZB-REV-D	ITEP LISTING	1	-	1	-	-	-	1	-	1
17	MAINDEC-11-DZDZB-REV-PB	ITEP OVERLAY TAPE	1	-	1	-	-	-	1	-	1
18	D-IA-7415808-0-0	CONNECTOR MTG PANEL	1	-	1	1	-	1	1	-	1
19	1214614-01	FILTERED CONNECTOR (40 POS)	-	-	-	1	1	2	-	-	-
20	1214614-02	FILTERED CONNECTOR (50 POS)	1	1	2	-	-	-	1	1	2
21	D-UA-BC06K-ØJ	MIRROR IMAGE CABLE (40 POS)	-	-	-	1	1	2	-	-	-
22	D-UA-BC06L-ØJ	MIRROR IMAGE CABLE (50 POS)	1	1	2	-	-	-	1	1	2

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
SHIPPING LIST DZ11	D-UA-DZ11-Ø-Ø SHEET 1 OF 2	A	PL	DZ11-Ø-5	E	DZ11-MKØØ6

DIST.

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

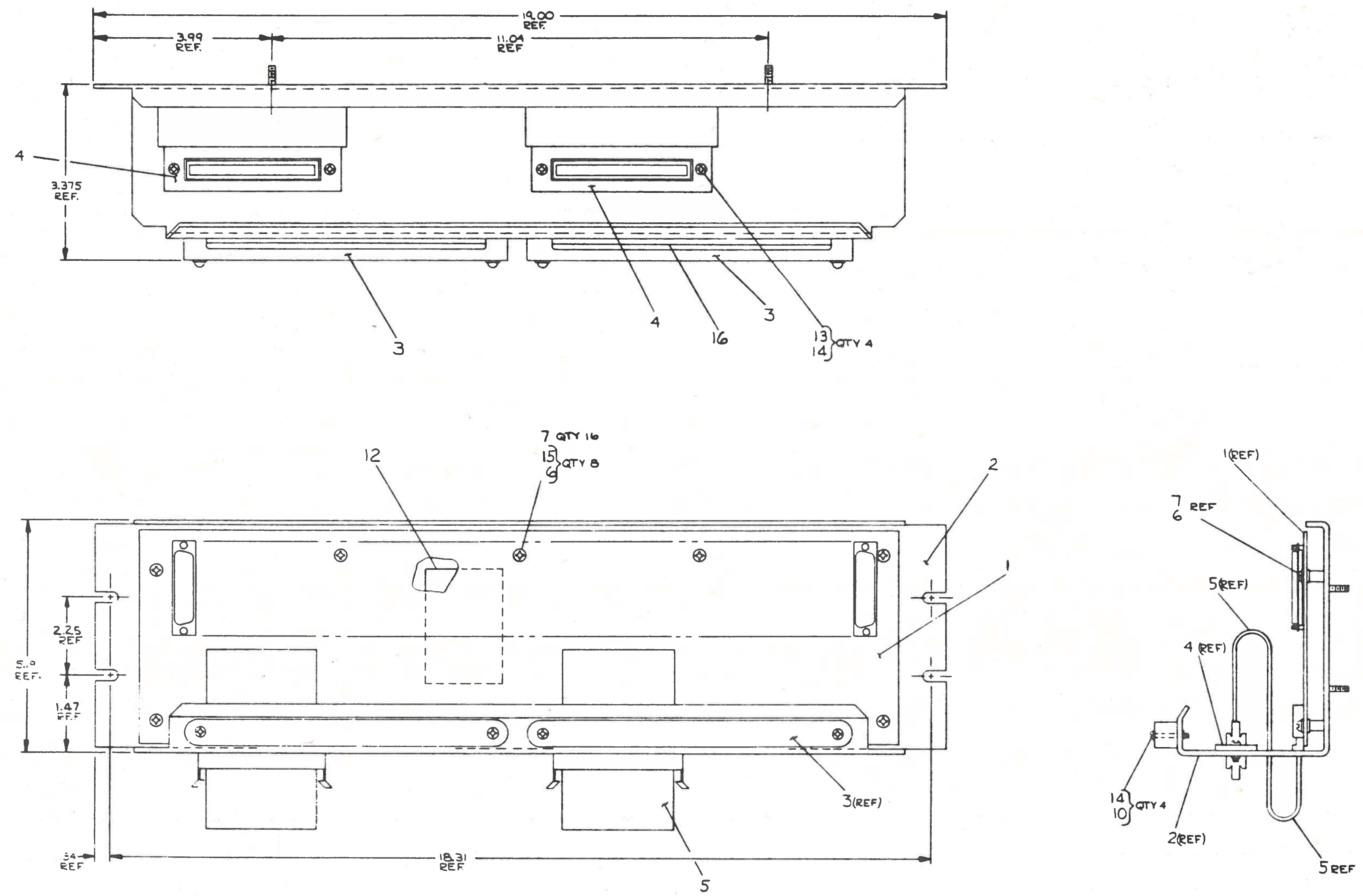
PARTS LIST

MADE BY K. DAVIS	CHECKED P. CAPPABIANCA	SECTION 1	
DATE 4 MAY 76	DATE 14 MAY 76		
ENG R. CORMIER	PROD T. McCABE	ISSUED SECT. 1	
DATE 5-13-76	DATE 5-14-76		

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	DZ11-A	DZ11-B	DZ11-E	DZ11-C	DZ11-D	DZ11-F	DZ11-AA	DZ11-BA	DZ11-EA			
23	D-UA-H3190-0-0	CONNECTOR, TURN AROUND (20 MA)	–	–	–	1	1	2	–	–	–			
24	D-IA-BCØ5W-8	50 CONDUCTOR SIGNAL CABLE (BCØ5W)	–	–	–	–	–	–	1	1	2			
		*THIS LIBRARY IS A BOOK THAT INCLUDES												
		THE DZ11 DEC/X11 SYSTEM EXERCISER												
		LISTING (MAINDEC-11-DXDZA-REV-D).												

TITLE SHIPPING LIST DZ11	ASSY NO. D-UA-DZ11-Ø-Ø	SIZE A	CODE PL	NUMBER DZ11-Ø-5	REV. E	ECO NO. DZ11-AØØ6
	SHEET 2 OF 2	DIST.				

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



QTY	DESCRIPTION	DWG/PART NO.	ITEM NO.
A 2	FOAM TAPE ADHV. .18×.50	9009037-01	[illegible]
8	WASHER INT TOOTH LOCK #8	9006634	[illegible]
8	WASHER INT TOOTH LOCK #4	9006633	[illegible]
4	SCR. PAN HD #6-32×5/16 LG	9006021-01	13
1	LABLE CABLE ID.	36-0073-00	[illegible]
~~8~~	~~WASHER, EXT TOOTH LOCK #8~~	~~9008072-00~~	~~11~~
4	SCR PAN HD [illegible]	9006026-01	[illegible]
~~8~~	~~WASHER, EXT TOOTH LOCK~~	[illegible]	[illegible]
~~8~~	~~SCR [illegible]~~	[illegible]	[illegible]
6	WASHER, NYLON #8	9006708 00	7
3	SCR PAN HD #8 32× 3/8 LG	9006037-01	6
2	CABLE,	BC06L-0?	5
2	FILTER EMI	47004-C	4
2	BAR CABLE HOLD DOWN	1213318	3
1	PANEL, MOUNTING	EIA-7421965-00	2
1	DZ11 DIST PANEL (EIA)	5411923	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

THIRD ANGLE PROJECTION

DO NOT SCALE DWG

FIRST USED ON	KS10
TITLE	ASSY, EIA PANEL WITH FILTERS
NEXT HIGHER ASSY.	D-UA-KS10-0-0
SCALE	1/1
SHEET	1 OF 1
MATERIAL	SEE PARTS LIST
FINISH	NONE
SIZE	E
CODE	AD
NUMBER	7016469-0-0
REV.	A

MR