

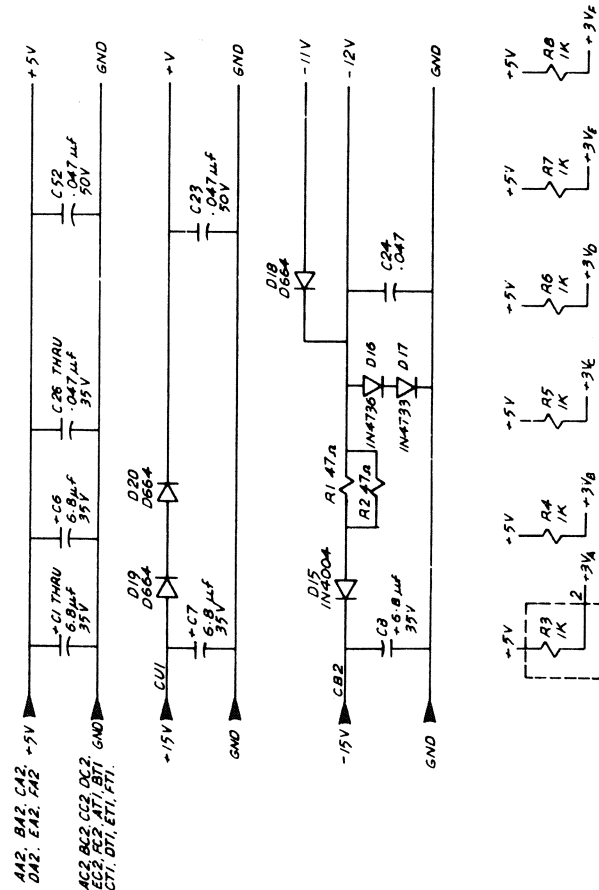
LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
31		1301424-00	680.0 .25W 5.0% CC	1	R25
32		1301695-00	47.0 .50W 5.0% CC	2	R1,R2
33		1301808-00	22.0K .25W 5.0% CC	9	R34,R36 THRU R42,R44
34		1302177-00	47.0K .25W 5.0% CC	1	R26
35		1302465-00	18.0K .25W 5.0% CC	1	R19
36		1310881-03	100.0 .25W 5.0% FUSE	1	R35
37		1316395-02	R NETWORK 9-1.0K 2% 10 PIN SIP	1	R3
38		1812396-05	XTAL 6.144 MHZ	1	Y1
39		1909705-00	DEC 8881 NAND GATE-QUAD	1	E89
40		1910091-00	DEC 7437 AND GATE-QUAD	1	E106
41		1911116-00	DEC 8837 RECEIVER, BUS, HEX	1	E78
42		1911469-00	DEC 8640 RECEIVER, BUS, QUAD	1	E112
43		1912395-00	8136 COMPARTOR - 6 BIT UNIFIED	1	E88,E99,E100
44		1912799-00	74LS00 NAND GATE-QUAD	3	E37,E50,E70,E96,E113
45		1912801-00	74LS02 NOR-GATE-QUAD	5	E44,E115
46		1912803-00	74LS04 INVERTER GATE-HEX	3	E80,E103,E118
47		1912805-00	74LS08 AND GATE-QUAD	4	E36,E47,E87,E111
48		1912811-00	74LS21 AND GATE-DUAL	2	E39,E95
49		1912815-00	74LS30 NAND GATE-SINGLE	1	E38
50		1912816-00	74LS32 OR GATE-QUAD 2IN	1	E22
51		1912817-00	74LS37 NAND GATE-QUAD	1	E94
52		1912824-00	74LS74 FF-D DUAL, EDGE TRIG	1	E42,E45,E46,E104,E114,E116
53		1912837-00	74LS123 ONE SHOT-DUAL	6	E35,E92,E117
54		1912842-00	74LS138 DECODER-THREE INPUT	3	E9
55		1912843-00	74LS139 DECODER, 2 OF 4 (DUAL)	1	E86
56		1912844-00	74LS151 MUX 1 OF 8	1	E76,E90
57		1912847-00	74LS157 MUX 1 OF 2 (QUAD)	2	E10
58		1912849-00	74LS161 MUX 1 OF 2 (QUAD)	1	E91
59		1912853-00	74LS175 FF-D QUAD	1	E71,E81
60		1912868-00	74LS299 SHIFT REG. 8-BIT	2	E53
61		1913040-00	DC005 TRANSCEIVER 4 BIT	1	E51,E52,E61,E62
62		1914083-00	8542 REGISTER, I/O-QUAD, TRI-STA	4	E63,E64
63		1914213-00	81LS97 BUFFER GATE-OCTAL	2	E43,E72,E73,E82,E83
64		1914214-00	74LS374 FF-D OCTAL EDGE TRIG	5	E67,E93,E94
65		1914438-00	DC013 UNIBUS INTERRUPT	3	E109,E110
66		1914451-00	74LS393 COUNTER, BINARY, 4 BIT	2	E105
67		1915219-00	74LS373 FF-D OCTAL TRANSPARENT	1	E31,E97
68		1915415-00	9636 DRIVER, DUAL, EIA RS-423	2	E11,E12,E25
69		1915416-00	9637 RECEIVER, DUAL, RS-422/3	3	E23,E24,E26
70		1915417-00	9638 DRIVER, DUAL,EIA RS-422	3	E33
71		1916079-00	8253-5 TIMER, PROGRAMMABLE	1	E21
72		1916139-00	74LS126A DRIVER, BUS, QUAD	1	E107
73		1920433-01	8286 BUS TRANSCEIVER	1	E108
74		1920545-01	8273-4 HDLC CONTROLLER	1	E40
75		2120070-01	8237-5 DMA CONTROLLER	1	E41
76		2111188-02	DEC 3341-2 64X4 FIFO MEMORY	1	E48,E49,E55,E56,E65,E74,E75
77				10	E84,E85
78		2113894-02	8255A-5 PROGRAMMABLE INTERFACE	2	E57,E58

D I G I T A L			TITLE		SECTION A OF A		SIZE CODE: K PL M7190-0-0		DOCUMENT NUMBER		REV C	
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LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
79	77	2114212-00	2114-2 RAM, 1024X4, STATIC	16	E1 THRU E8, E13 THRU E20
80	78	2114963-00	UP 8BIT NMOS	1	E98
81	79	2331441-00	32 X 8, TTL, PROM A	1	E79
82	80	2331541-00	32 X 8, TTL, PROM B	1	E77
83	81	2331641-00	32 X 8, TTL, PROM C	1	E32
84	82	23289E2-00	2048 X 8, TTL, EPROM 0	1	E30
85	83	23290E2-00	2048 X 8, TTL, EPROM 1	1	E29
86	84	23291E2-00	2048 X 8, TTL, EPROM 2	1	E28
87	85	23292E2-00	2048 X 8, TTL, EPROM 3	1	E27
88	86	5408778	PLUG PRIORITY #5	1	E68
89	87	9000024-01	EYELET	12	
90	88	9009185-00	WIRE LINK	4	
91	89	1216988-02	HANDLE, MODULE, HEX TWO EJECTORS	1	W3, W4, W5, W6

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE CODE K PL	DOCUMENT NUMBER M7190-0-0	REV C
							M7190				

POWER AND GROUND TABLE FOR IC's					
	GND	+5V	+V	-11V	-12
STD 14 PIN	7	14	-	-	-
STD 16 PIN	8	16	-	-	-
STD 18 PIN	9	18	-	-	-
STD 20 PIN	10	20	-	-	-
STD 24 PIN	12	24	-	-	-
STD 28 PIN	14	28	-	-	-
STD 40 PIN	20	40	-	-	-
3341	8	16	-	-	1
9636	4	-	8	5	-
9637	4	1	-	-	-
9638	4	1	-	-	-
8237	20	31	-	-	-
8255A	7	26	-	-	-



NOTE: UNLESS OTHERWISE SPECIFIED:
RESISTORS ARE $\frac{1}{4}$ W, 5%

REVISIONS	
CHANGE NO.	REV.
INITIAL	C

SIGNAL NAMES HAVE THE FOLLOWING FORMAT

①	5x NAME H
	5x NAME L
②	xxx NAME H
	xxx NAME L

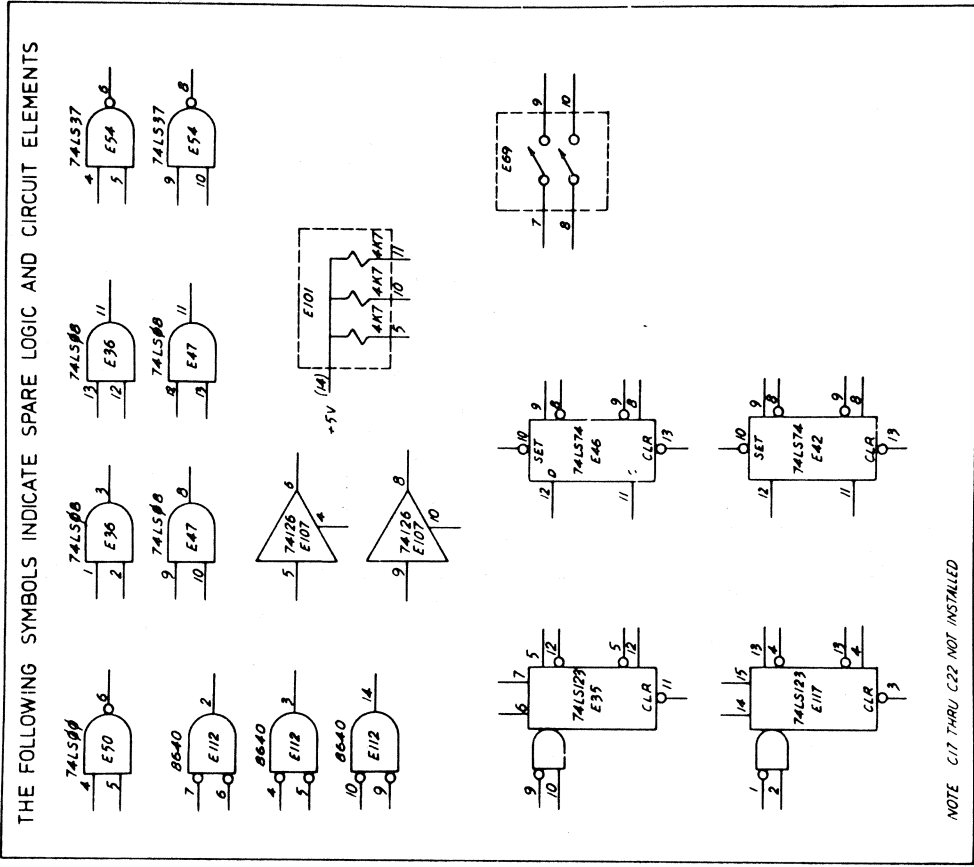
WHERE

'5x' IS A SHEET NUMBER WHERE SIGNAL ORIGINATES
xxx IS A BACKPLANE SLOT AND A PIN DESIGNATOR

EXAMPLE AR2 = SECTION A PIN 42
 CT1 = SECTION C PIN 11

'NAME' IS THE SIGNAL MNEMONIC
H OR L IS THE LEVEL FOR THE SIGNALS TRUE OR
LOGICAL ONE VALUE H = HIGH, L = LOW.

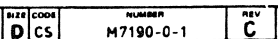
MNEMONICS USED BY THIS PRINT SET	
A	MICROCONTROLLER ADDRESS ENABLE
ANA	MICROCONTROLLER ADDRESS ENABLE
BAD	MICROCONTROLLER BUFFERED ADDRESS DATA BUS
BALE	MICROCONTROLLER BUFFERED ADDRESS LATCH
BA	BUS REQUEST
BAQ	MICROCONTROLLER BUFFERED READ
BAF	BUFFER
BUS	UNIBUS
BWR	MICROCONTROLLER BUFFERED READ
COMAM	COMMUNICATION
CSR	CONTROL AND STATUS REGISTER
DMA	CONTROL MEMORY ACCESS
DSC	DATA SET CONTROL
DTA	DATA TERMINAL READY
ENA	ENABLE
EXT	EXTERNAL
HOLDA	HOLD ACKNOWLEDGE
HOLD	DMA REQUEST
INIT	INITIALISE
INTA	INTERLUPT REQUEST ACKNOWLEDGE
INTA	INTERLUPT
ION	MICROCONTROLLER MEMORY PAGE SELECT
LCS	LINE CONTROL AND STATUS
LD	LOAD
LINE	UNIBUS TRANSMIT ENABLE
M	MASTER
MAINT	MAINTENANCE
MEM	MICROCONTROLLER MEMORY
MICRO	MICROCONTROLLER
PIE	PROGRAMMABLE INTERFACE ELEMENT
A BUF	RECEIVER BUFFER
RD	MICROCONTROLLER READ
RDY	READY
REC	RECEIVER
REQ	REQUEST
SEL	SELECT
SW	SWITCH
TCA	TRANSMIT CONTROL REGISTER
TS BUS	TRI STATE BUS
WA	MICROCONTROLLER WRITE
XMIT	TRANSMIT



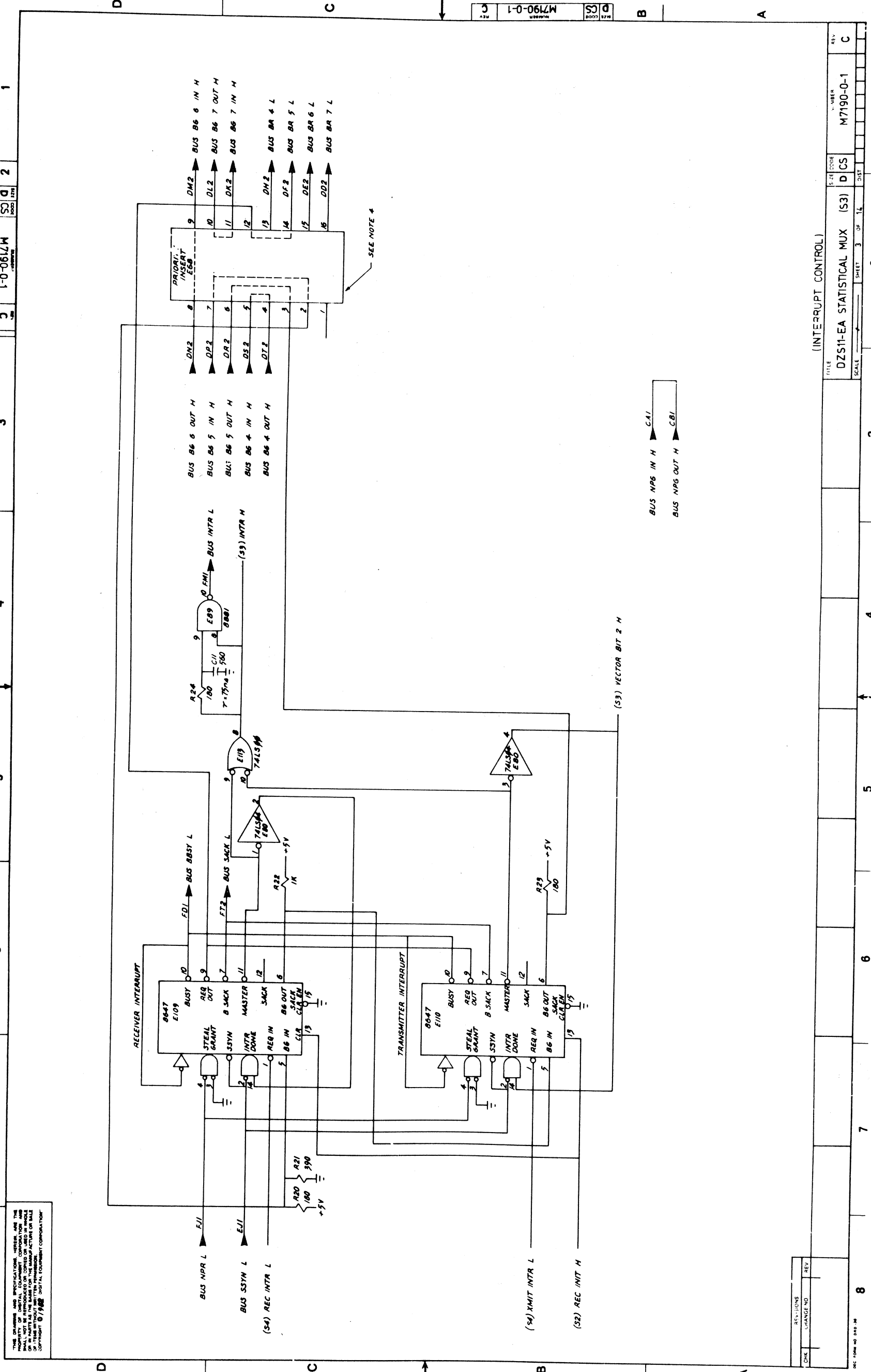
NOTE C17 THRU C22 NOT INSTALLED

QTY	DESCRIPTION	PART NO	ITEM NO
PARTS LIST			
DRN	DATE	EQUIPMENT AUSTRALIA PTY. LTD.	
CHKO	DATE	digital	
ENG	DATE		
PROG	DATE		
PROG	DATE		
PROG	DATE		
NEXT HIGHER ASSY			
D-UA-M790-0-0		SZCODE	REV
SCALE	NUMBER	C	
SHEET 1	OF 14	D CS	M790-0-1
		DIST	

2



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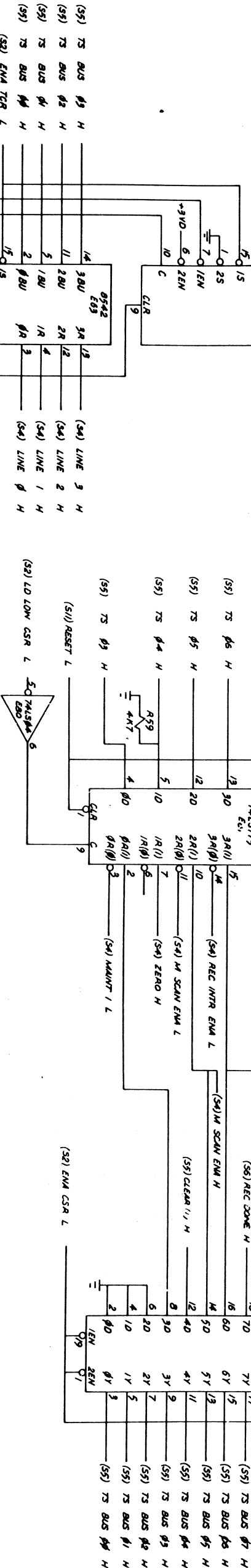
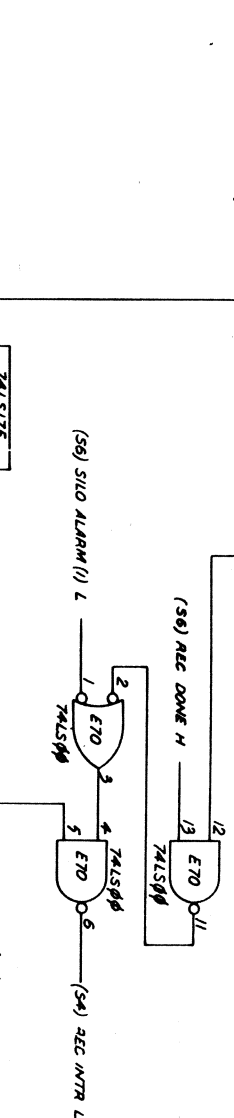
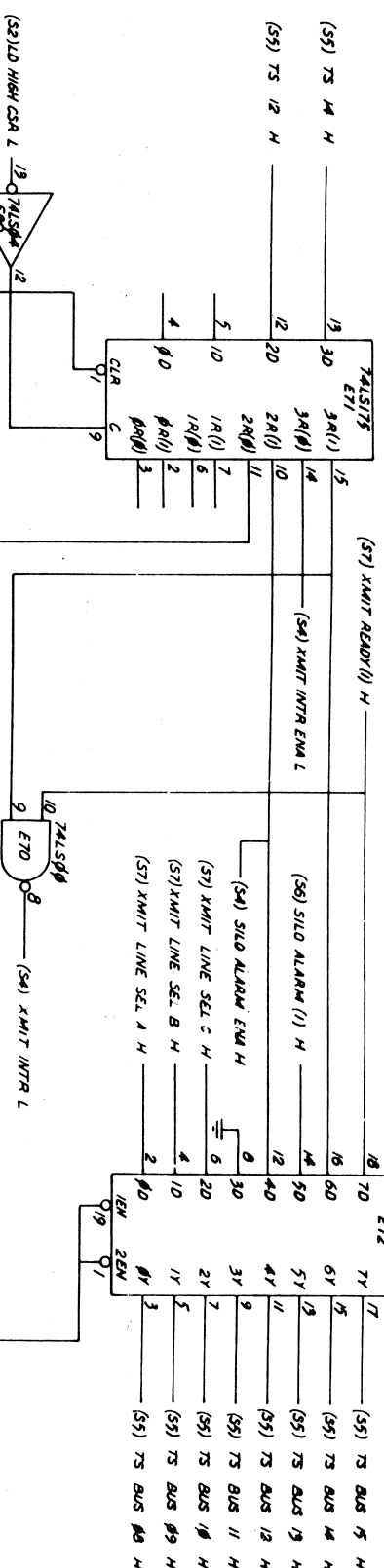
REVISIONS	
CHK	REV

(INTERCEPT CONTROL)

TITLE		SHEET		REV	
DZS11-EA STATISTICAL MUX (S3)		3 OF 14		C	
DZS11-EA STATISTICAL MUX (S3)		3 OF 14		M7190-0-1	
DZS11-EA STATISTICAL MUX (S3)		3 OF 14		M7190-0-1	

1 2 3 4 5 6 7 8

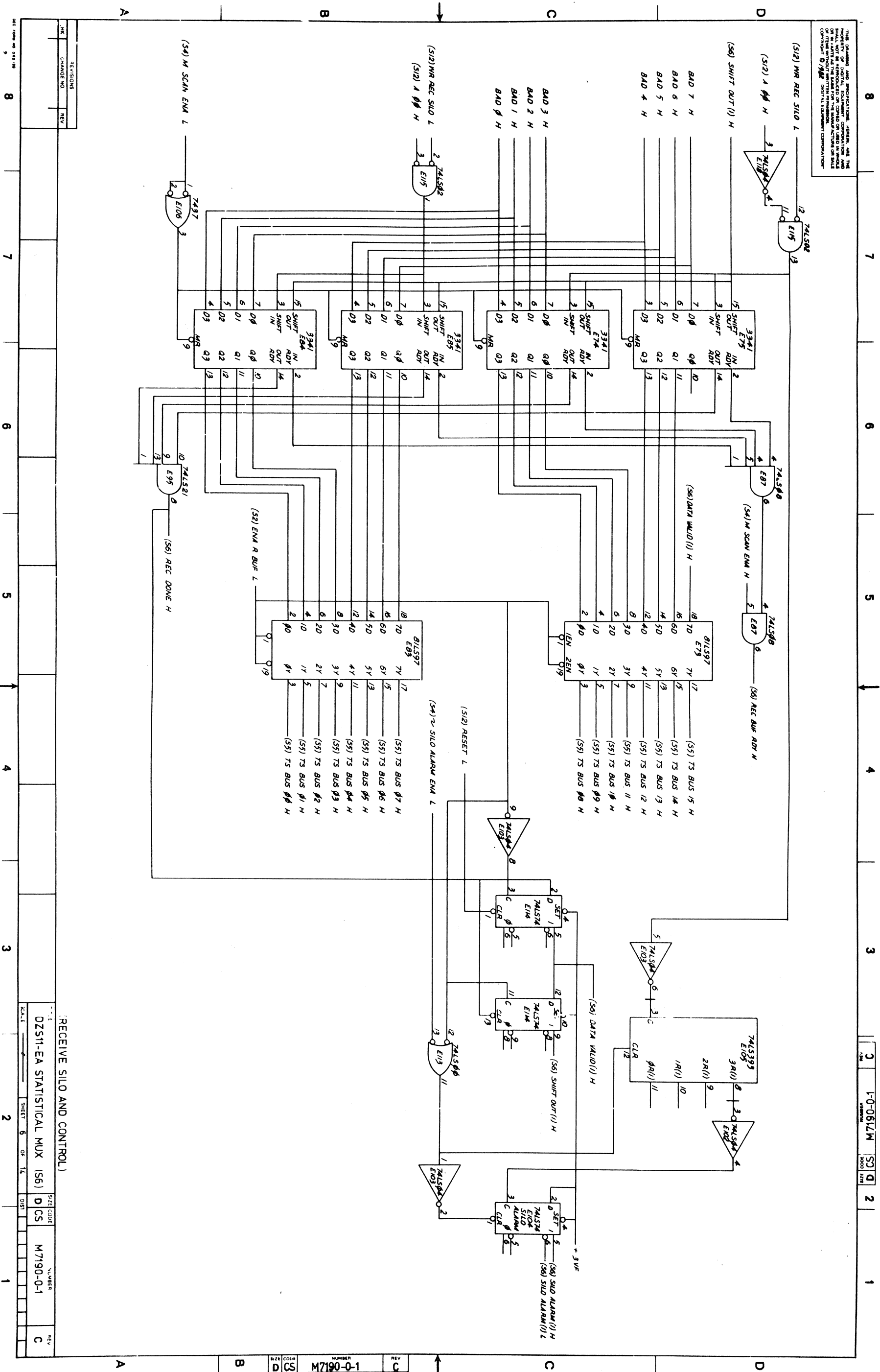
M7190-0-1

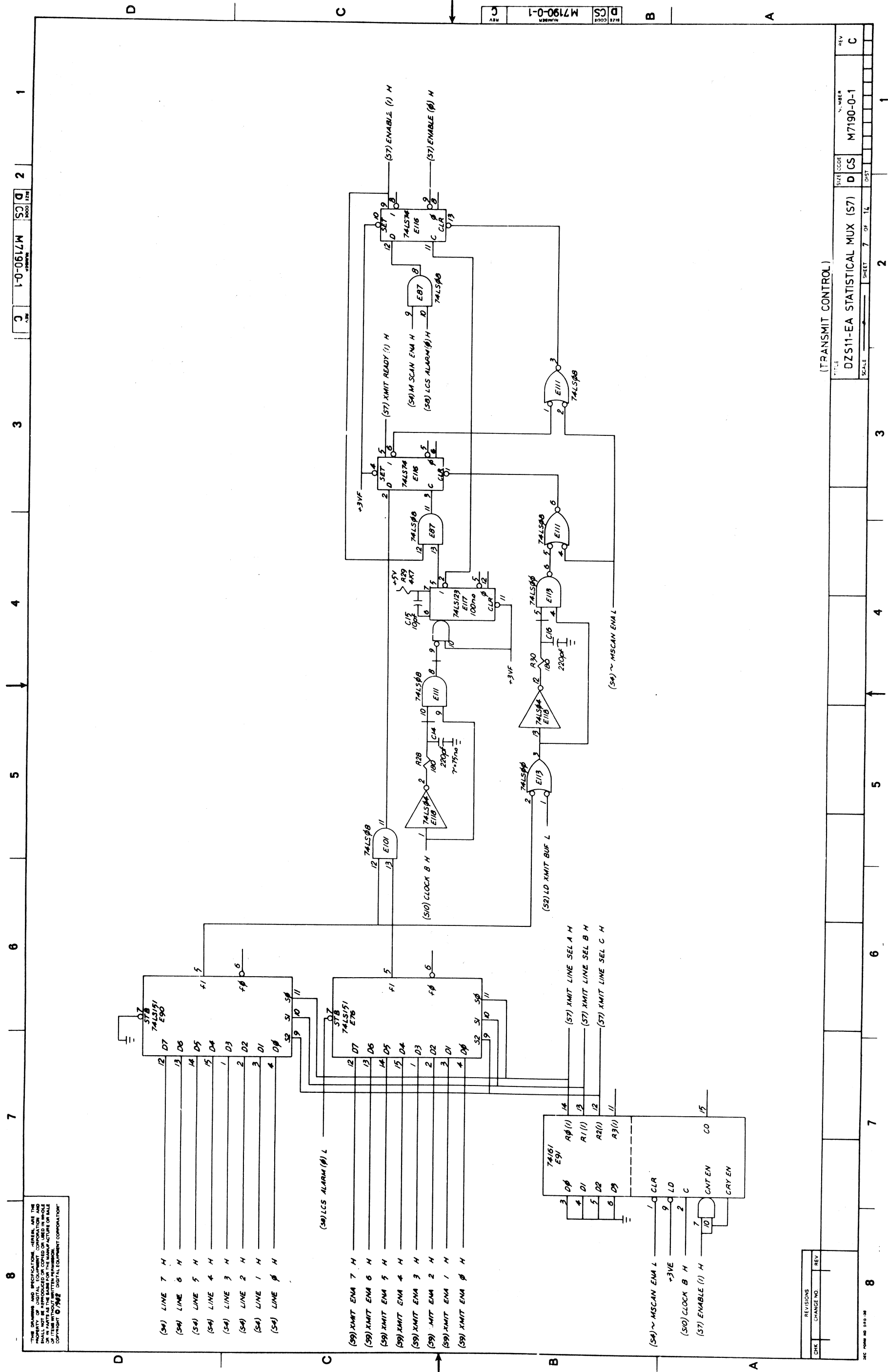


REVISIONS		
CHK	CHANGE NO.	REV.

(CSR, LINE DTR REGISTERS)

TITLE		SIZE CODE		N. NUMBER		REV	
DZS11-EA STATISTICAL MUX (SA)		D CS		M7190-0-1		C	
SCALE $\frac{1}{4}$ " = 1'		SHEET 4 OF 14		DIST			





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C 30