P1	SIGNAL	DIRECTION	LOCATION
PIN 101	GND	◁	
102	GND	◁	
103	+12V	◁	
104	+12V	◁	
105	+12V	◁	
106	+12V	◁	
107	-12V	NU	
108	-12V	NU	
109			
110			
111			
112			
113	+5V	◁	
114	+5V	◁	
115	MST-	◁	
116			
117	MACK-	▷	
118	RD-	◁	
119	FCLK-	NU	
120	SLB-	[illegible]	
121	PFD-	NU	
122	MDIS-	[illegible]	
123	AB08-	[illegible]	
124	AB09-	[illegible]	
125	AB10-	[illegible]	
126	AB11-	[illegible]	
127	GND	◁	
128	GND	◁	
129	AB12-	[illegible]	
130	AB13-	[illegible]	
131	AB14-	[illegible]	
132	AB15-	[illegible]	
133			
134			
135	STØP-	NU	
136	SACK-	NU	
137			
138			
139	DB00-	[illegible]	
140	DB01-	NU	
141	DB02-	NU	
142	DB03-	NU	
143	+5V	◁	
144	+5V	◁	
145	DB04-	NU	
146	DB05-		
147	DB06-		
148	DB07-		
149	DB08-		
150	DB09-		
151	DB10-		
152	DB11-		
153	DB12-		
154	DB13-		
155	DB14-		
156	DB15-		
157	EXEC-		
[illegible]	[illegible]		
159	GND	[illegible]	
160	GND	◁	
[illegible]	[illegible]	NU	
[illegible]	ZØT-	NU	
[illegible]	CLK-	[illegible]	
[illegible]	SER-	NU	
[illegible]	ICR-	[illegible]	
[illegible]	IL1-	[illegible]	
[illegible]	IAR-	[illegible]	
PIN [illegible]	IL2-	[illegible]	

P1	SIGNAL	DIRECTION	LOCATION
PIN 169	RST-	NU	
170	[illegible]	NU	
171	PLSE-	NU	
172	ECHZ-	NU	
173	+5V	◁	
174	+5V	◁	
175	AB03-		
176	AB04-		
177	AB05-		
178	AB06-		
179	AB07-		
180	AB00-		
181	AB01-		
182	AB02-		
183	PRIN-	◁	
184	PRØT-	▷	
185	GND	◁	
PIN 186	GND	◁	

P2	SIGNAL	DIRECTION	LOCATION
PIN 201	GND	◁	
202	GND	◁	
203	+12V	NU	
204	+12V	NU	
205	+12V	NU	
206	+12V	NU	
207	-12V	◁	
208	-12V	◁	
209	DPIN-	◁	
210	DPØT-	▷	
211	EPSEL-	[illegible]	
212			
213	+5V	◁	
214	+5V	◁	
215	MST-	NU	
216			
217	MACK-		
218	RD-		
219	FCLK-		
220	SLB-		
221	PFD-		
222	MDIS-	NU	
223	AB08-	[illegible]	
224	AB09-	NU	
225	AB10-	[illegible]	
226	AB11-	NU	
227	GND	◁	
228	GND	◁	
229	AB12-	NU	
230	AB13-		
231	AB14-		
232	AB15-		
[illegible]			
[illegible]			
[illegible]	STØP-		
[illegible]	SACK-	NU	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	▷	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	▷	
[illegible]	[illegible]	▷	
[illegible]	[illegible]	◁	
[illegible]	+12V	[illegible]	
[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		
PIN [illegible]	[illegible]07-	[illegible]	

[illegible]	SIGNAL	DIRECTION	LOCATION
PIN [illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
255	DB14-	[illegible]	
256	DB15-	◁	
257	EXEC-	NU	
258	IB-	NU	
259	GND	◁	
260	GND	◁	
261	ZØCL-	NU	
262	ZØT-	NU	
263	CLK-	NU	
264	SER-	NU	
265	ICR-	NU	
266	IL1-	NU	
267	IAR-	NU	
268	IL2-	NU	
269	RST-		
270	ILA-		
271	PLSE-		
272	ECHZ-	NU	
273	+5V	◁	
274	+5V	[illegible]	
275	AB03-	NU	
276	AB04-		
277	AB05-		
278	AB06-		
279	AB07-		
280	AB00-		
281	AB01-		
282	AB02-	[illegible]	
283	PRIN-	◁	
284	PRØT-	▷	
285	GND	◁	
PIN 286	GND	◁	

J1	SIGNAL	DIRECTION	LOCATION
PIN A01	SA[illegible]	[illegible]	
A02	XS8		
A03	YS9		
A04	XS10		
A05	XS[illegible]		
A06	YCC0		
A07	XCA0		
A08	Y[illegible]0		
A09	YCA0		
A10	[illegible]		
[illegible]	[illegible]		
[illegible]	[illegible]		
[illegible]	[illegible]		
[illegible]	[illegible]		
[illegible]	YCA[illegible]		
A16	XC[illegible]		
[illegible]	XCA6		
[illegible]	GND		
[illegible]	GND	[illegible]	
[illegible]	RT1	◁	
[illegible]	RT2	◁	
[illegible]	[illegible]		
[illegible]	SOC	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	

J1	SIGNAL	DIRECTION	LOCATION
PIN [illegible]	S3F	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]9F	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	NU	
[illegible]	[illegible]	NU	
A35	S1[illegible]C	[illegible]	
A36	[illegible]	[illegible]	
A37	[illegible]	[illegible]	
A38	S[illegible]C	NU	
A39	S5S	[illegible]	
A40	S5F	[illegible]	
A41	S[illegible]C	[illegible]	
A42	S7S	◁	
A43	S7F	[illegible]	
A44	S[illegible]C	[illegible]	
A45	S13S	[illegible]	
A46	S13F	[illegible]	
A47	S14C	[illegible]	
A48	S15S	[illegible]	
A49	S15F	[illegible]	
A50	NU	NU	
A51	YS[illegible]	▷	
A52	YS[illegible]	[illegible]	
A53	YS12	[illegible]	
A54	XCC7	[illegible]	
A55	XCA7		
A56	YCC7		
A57	YCA7		
A58	YCC5		
A59	YCA5		
A60	YCC3		
A61	YCA3		
A62	YCA1		
A63	YCC1		
A64	XCC1		
PIN A65	XCA1	[illegible]	
PIN B01	MST-	NU	
B02	YS12	[illegible]	
B03	XS13		
B04	XS14		
B05	XS15		
B06	XCC2		
B07	XCA2		
B08	[illegible]		
B09	XCA4		
[illegible]	YS7		
[illegible]	YS6		
B12	YS5		
[illegible]	YS4		
[illegible]	YS3		
[illegible]	YS2		
[illegible]	[illegible]		
[illegible]	YS0	[illegible]	
[illegible]	SI[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	SOS	[illegible]	
[illegible]	SOF	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	

[illegible]	SIGNAL	DIRECTION	LOCATION
PIN [illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	NU	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	NU	
[illegible]	[illegible]	NU	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
B46	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	
B48	[illegible]	[illegible]	
[illegible]	S[illegible]C	[illegible]	
[illegible]	GND		
[illegible]	[illegible]		
[illegible]	GND		
B53	GND		
[illegible]	[illegible]		
[illegible]	[illegible]		
B56	XS5		
B57	X[illegible]		
B58	XS3		
[illegible]	XS2		
[illegible]	XS1		
[illegible]	XSØ		
[illegible]	XC[illegible]		
[illegible]	[illegible]CA[illegible]		
[illegible]	[illegible]		
[illegible]	XCA3	[illegible]	

[illegible]	SIGNAL	DIRECTION	LOCATION
PIN [illegible]			
[illegible]			
[illegible]	[illegible]		
4	RWS-	◁	
5	INTER-	◁	
6	ØED-	◁	
7	E. LØW	◁	
8	E. HIGH	◁	
9	GND	◁	
10	GND	◁	
11	GND	◁	
12	GND	◁	
13	[illegible]		
14	SPARE		
PIN 15			
PIN 16		[illegible]	

REVISIONS

REV	DESCRIPTION	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible] E.N. 1770	[illegible]	[illegible]		
[illegible]	CHANGE PER EN [illegible]	[illegible]		[illegible]	
B4	CHANGE PER EN [illegible]	[illegible]	[illegible]		
B5	CHANGE PER EN [illegible]	[illegible]	[illegible]		
B6	CHANGE PER EN 1858	[illegible]	[illegible]		
B7	CHANGE PER EN 227	[illegible]	[illegible]		
B8	CHANGE PER EN [illegible]01	[illegible]	[illegible]		
B9	CHANGE PER EN 1848	[illegible]	[illegible]		
B10	CHANGE PER EN 2184	[illegible]	[illegible]		
B11	INCORP EN 3277	DS	[illegible]		
B12	INCORP EN 3476	DS			
B13	INCORP EN [illegible]810	DS			
B14	INCORP EN 3842	DS	✓		
B15	INCORP EN 4260	DS	[illegible]		[illegible]

31

[illegible] ON SHEET 2

NOTES UNLESS SPECIFIED FOR.
1. TOLERANCES
   .XX ± .03 ANGULAR [illegible]
   .XXX ± .010
2. BREAK ALL SHARP EDGES .010 APPROX
3. ALL DIM. IN INCHES

NEXT ASSEMBLYS

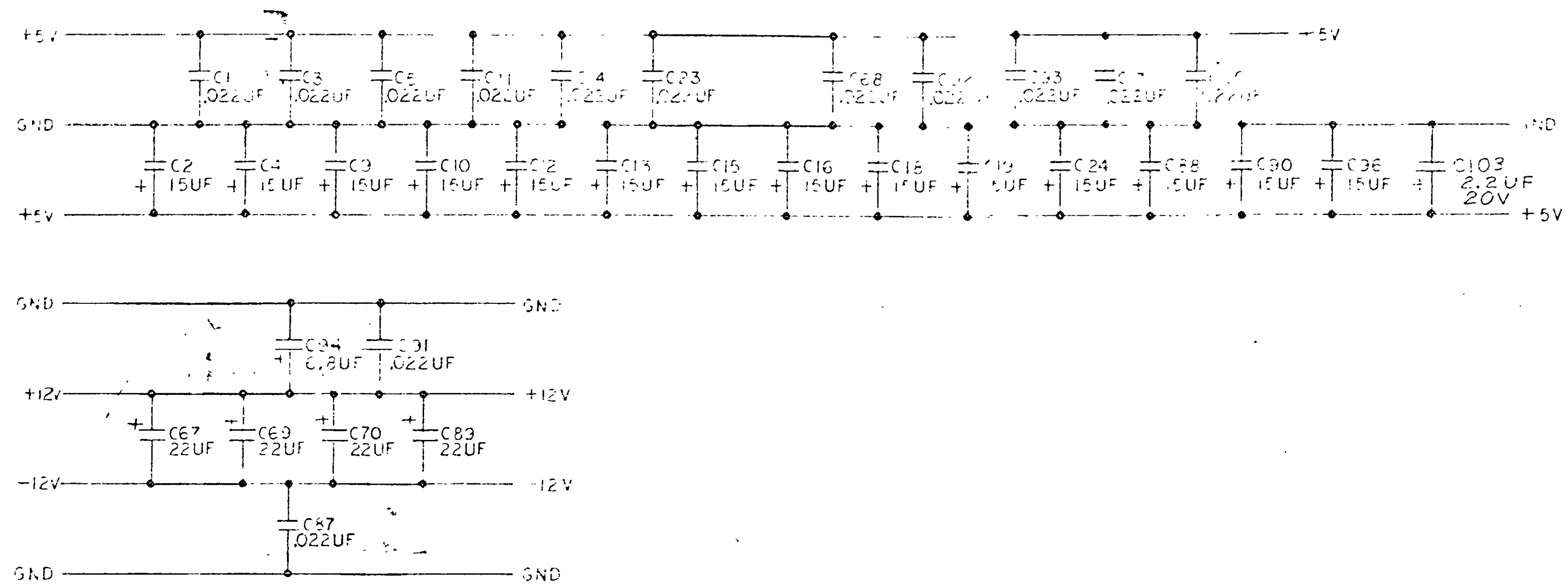
COMPUTER AUTOMATION [illegible]

SIZE D DWG. NO. 75-53526-[illegible] REV B15

SCALE [illegible] SHEET 1 OF [illegible]

TP1	SIGNAL	DIRECTION	LOCATION
PIN 1	DISF-	⟵ (input)	D14
2	[illegible]		D14
3	[illegible]U-		D14
4	XACT		E15
5	DISF-		D14
6	DISL-		D14
7	DCU-		D14
8	SMST-		C10
9	S[illegible]		[illegible]
10	S[illegible]		E1[illegible]
11	V[illegible]CK-		[illegible]
12	[illegible]		[illegible]
13	AIS[illegible]		[illegible]
14	[illegible]		[illegible]5
15	V[illegible]		C15
PIN 16	GND	⟶ (output)	B15

TP2	SIGNAL	DIRECTION	LOCATION
PIN 1	S[illegible]S	⟵	A[illegible]
PIN 2	[illegible]	⟵	A[illegible]



(17) A -16 R90,R92, ARE 220Ω 5%, [illegible] FCC.
B -04 & -08 R90,R92 ARE 330Ω 5%, 1/4W, FCC.

(16) A-16 R114 IS 7Ω, 1%, 3W
B -04 & -08 [illegible] 10Ω. 1[illegible] [illegible]W

15. RP14.16.1[illegible].20.[illegible]2.23 ARE 1/4[illegible]
14. ALL TRANSISTORS ARE [illegible]T3725. OR EQUIV.

(13) A. -16, R37-68 ARE 121Ω, 1%. 1/8W.
B. -04 & -08. R37-68 ARE 100Ω, 1%. 1/8W.

12. [illegible] DENOTES TEST POINT
11. [illegible] DENOTES [illegible]
10. [illegible] DENOTES OUTPUT
9. [illegible] DENOTES INPUT
8. ALL [illegible] ES ARE [illegible]444-

(7) A -16, C6 IS DIPF. 2[illegible]. 100V; C7 [illegible] 75PF, [illegible] 500V
B. -04 & -08, C6 [illegible] PF. [illegible] 1[illegible]V, C7 IS 20PF, 5%. 500V

(6) A.-16, C71-C86 ARE DELETED; R71-R86 ARE 5.5Ω, 1%, 3W
B.-04 & -08, C71-C86 A[illegible] R71-R86 ARE 10Ω, 1%, 3W

5. [illegible]
4. A. [illegible]
B. ALL [illegible]
C. A[illegible]
D. ALL 22UF [illegible] +-[illegible] V
3. A[illegible] RESISTOR VALUES [illegible], 5%, 1/4W.
2. [illegible] ORE STA[illegible] [illegible] REF DESIGNAT[illegible]
1. [illegible] NO. [illegible] ASSEMBLY DW[illegible]

NOTES: UNLESS OTHERWISE SPECIFIED

(25) -16 ONLY CR64 & 65 ARE IN4739A

(24) -16 ONLY R94 IS 470Ω, 5%, 1/4W

(23) A -16 R95 & 98 ARE 33Ω, 5%, 1/4W
B -04-08 R95 & 98 ARE 75Ω, 5%, 1/4W

(22) A-08 CR60 & 63 ARE IN4733A
B-16 CR60 & 63 ARE IN4448

(21) A-04 R96 & 97 ARE 75Ω, 5%, 1/4W
B-08-16 R96 & 97 ARE 330, 5%, 1/4W

(20) A-08 CR53 & 59 ARE IN4739A
B-16 CR53 & 59 ARE IN4448

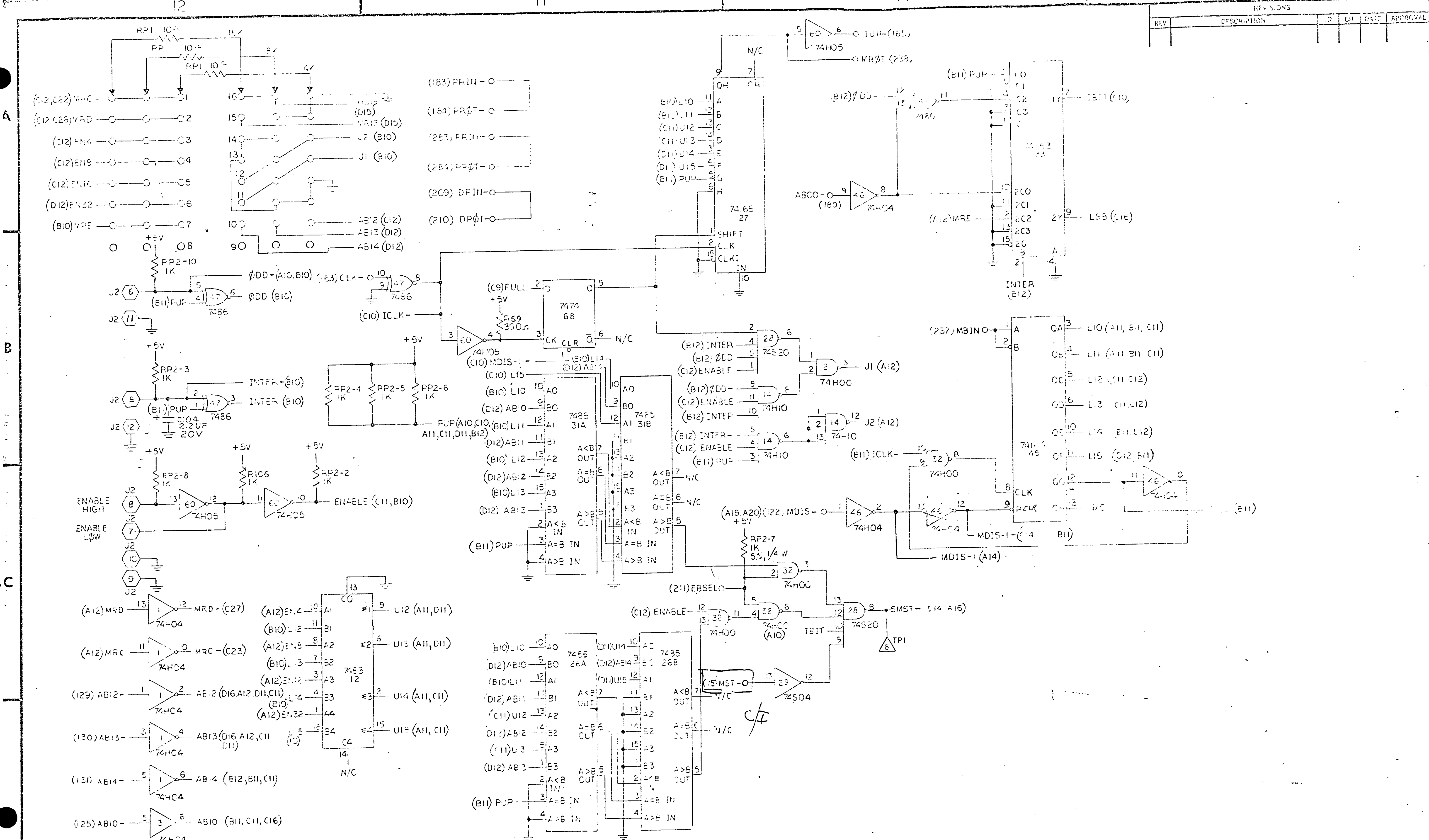
(19) A-05 R67, & 93 ARE 220Ω, 5%, 1/4W
B-04 R67, & 93 ARE 2K, 5%, 1/4W

(18) -04 ONLY

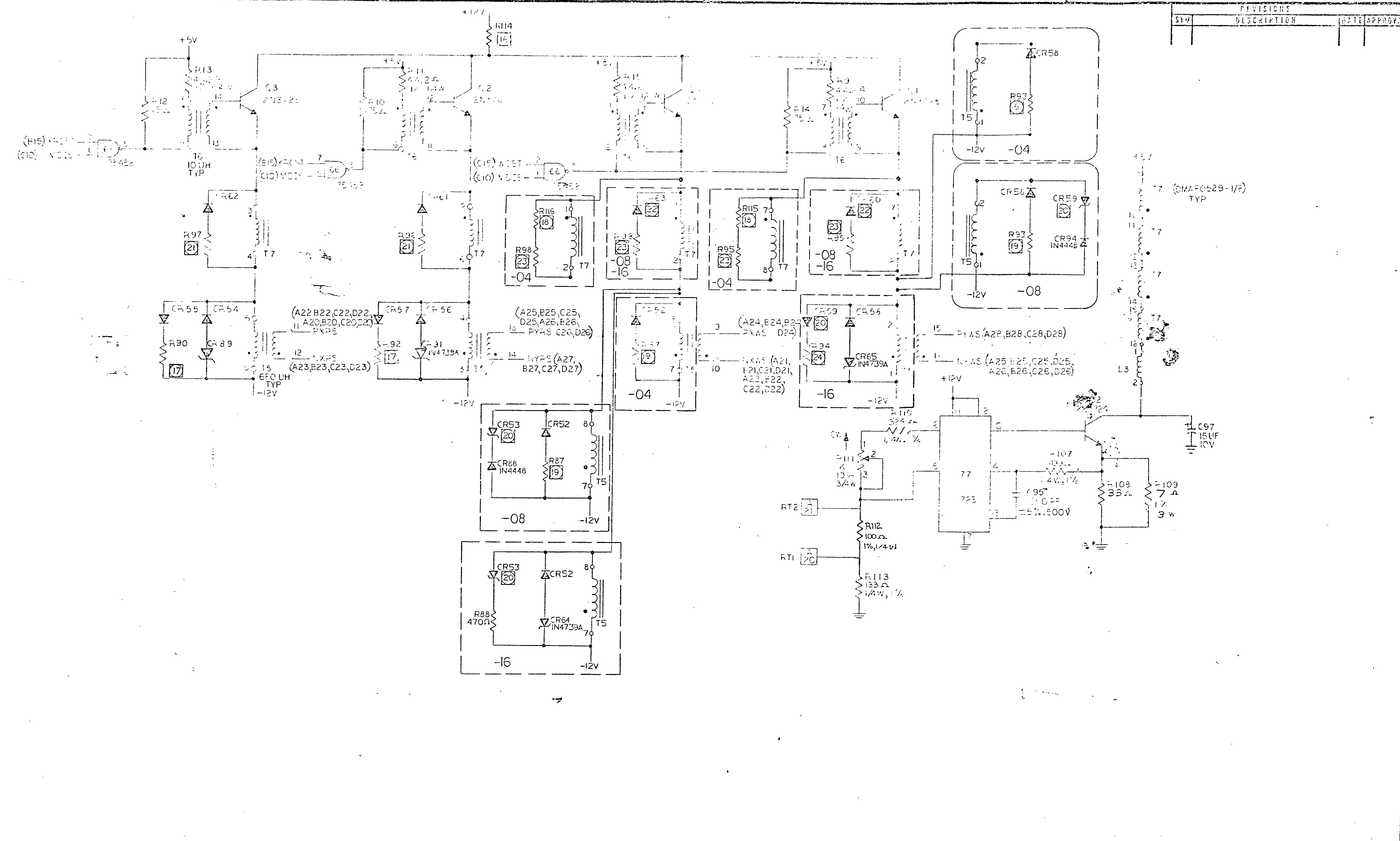
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL

SIZE	DWG NO.	REV
D	75-53526-XX	B15
SCALE =	SHT. [illegible] OF [illegible]	

REV	DESCRIPTION	LTR	CH	DATE	APPROVAL



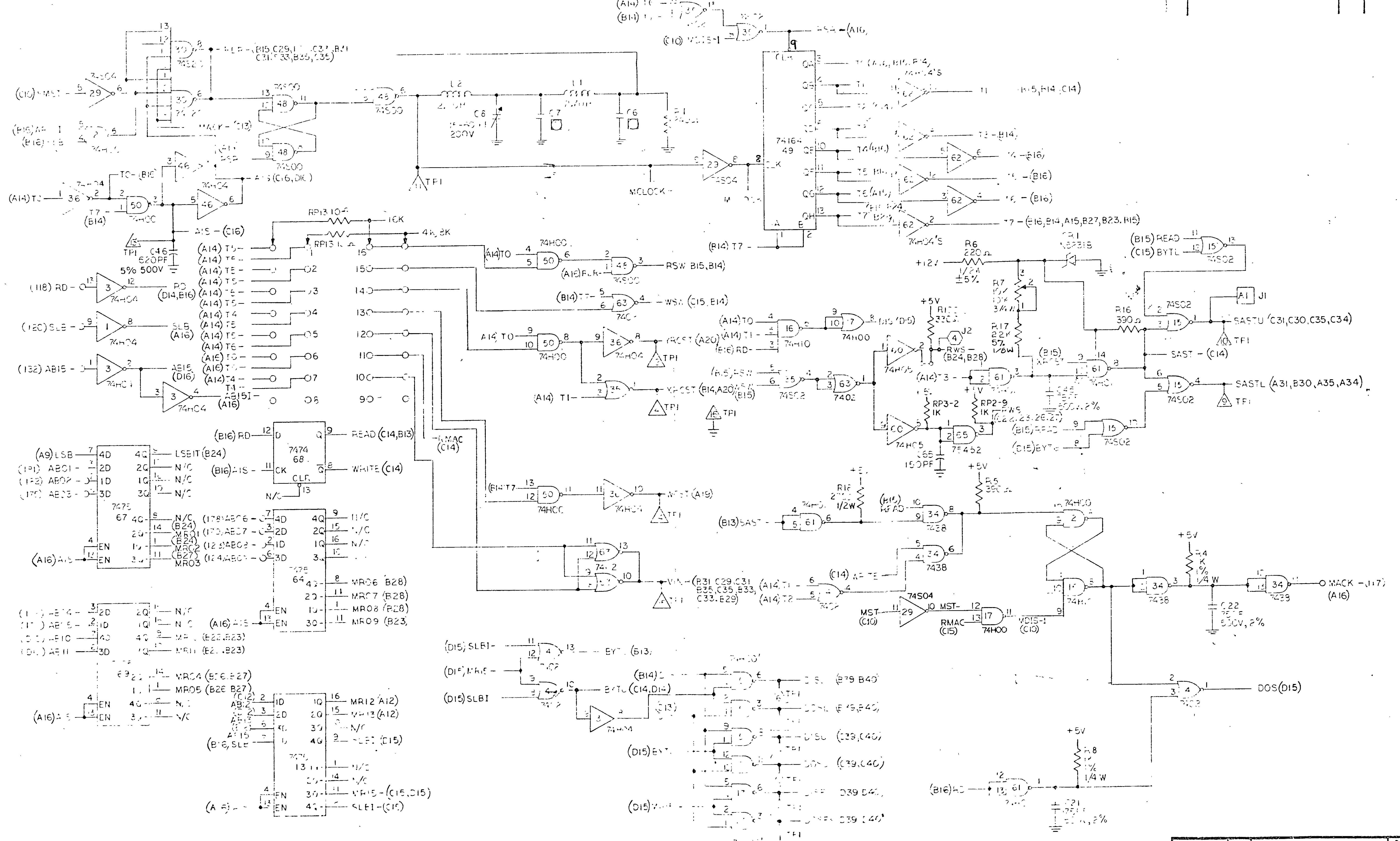
SIZE	DWG. NO.	REV
D	75-53526-XX	B15
SCALE	SHT. 3 OF 10	



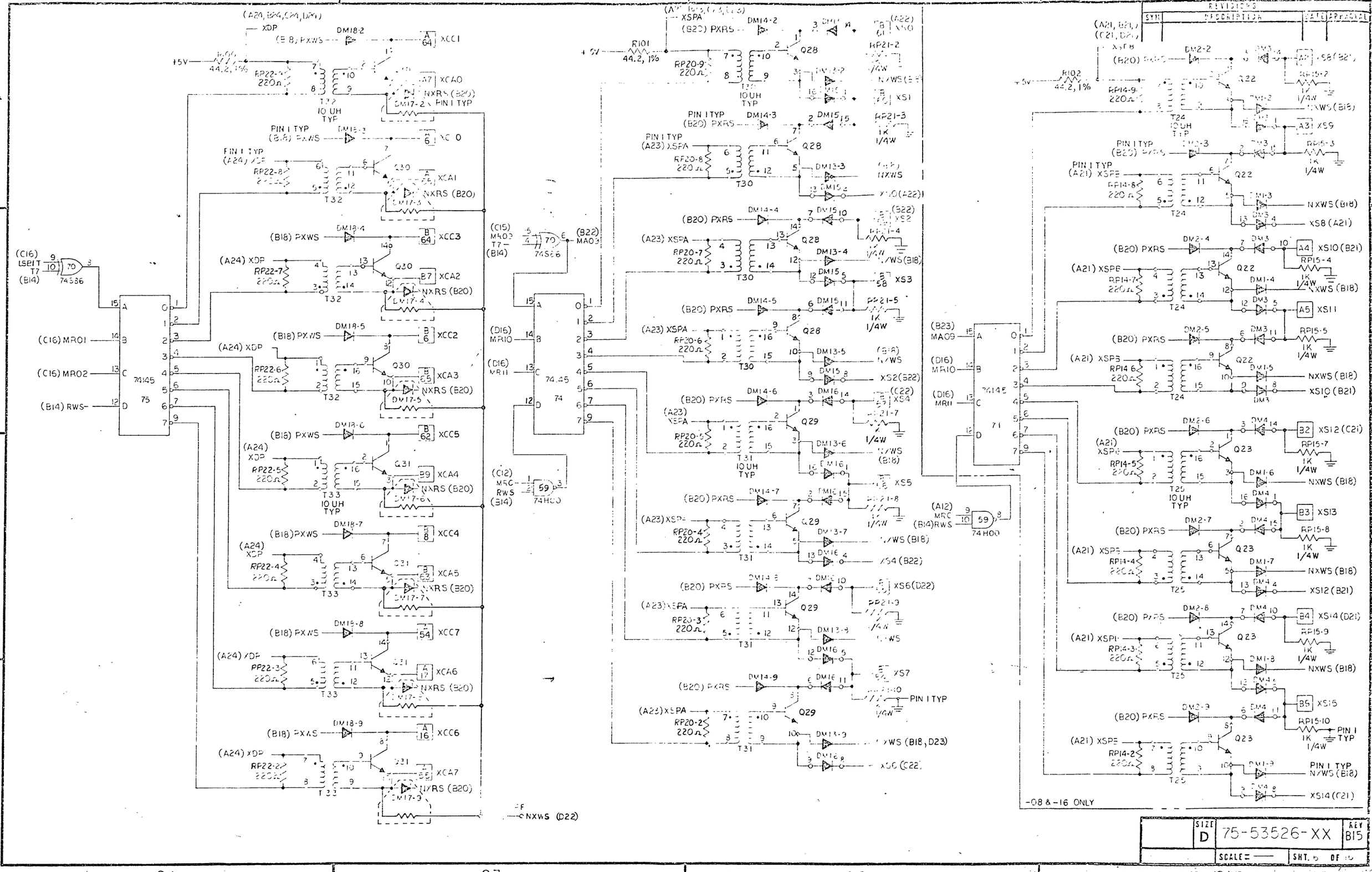
SIZE D	75-55526-XX	REV B15
SCALE =	SHT. OF 10	

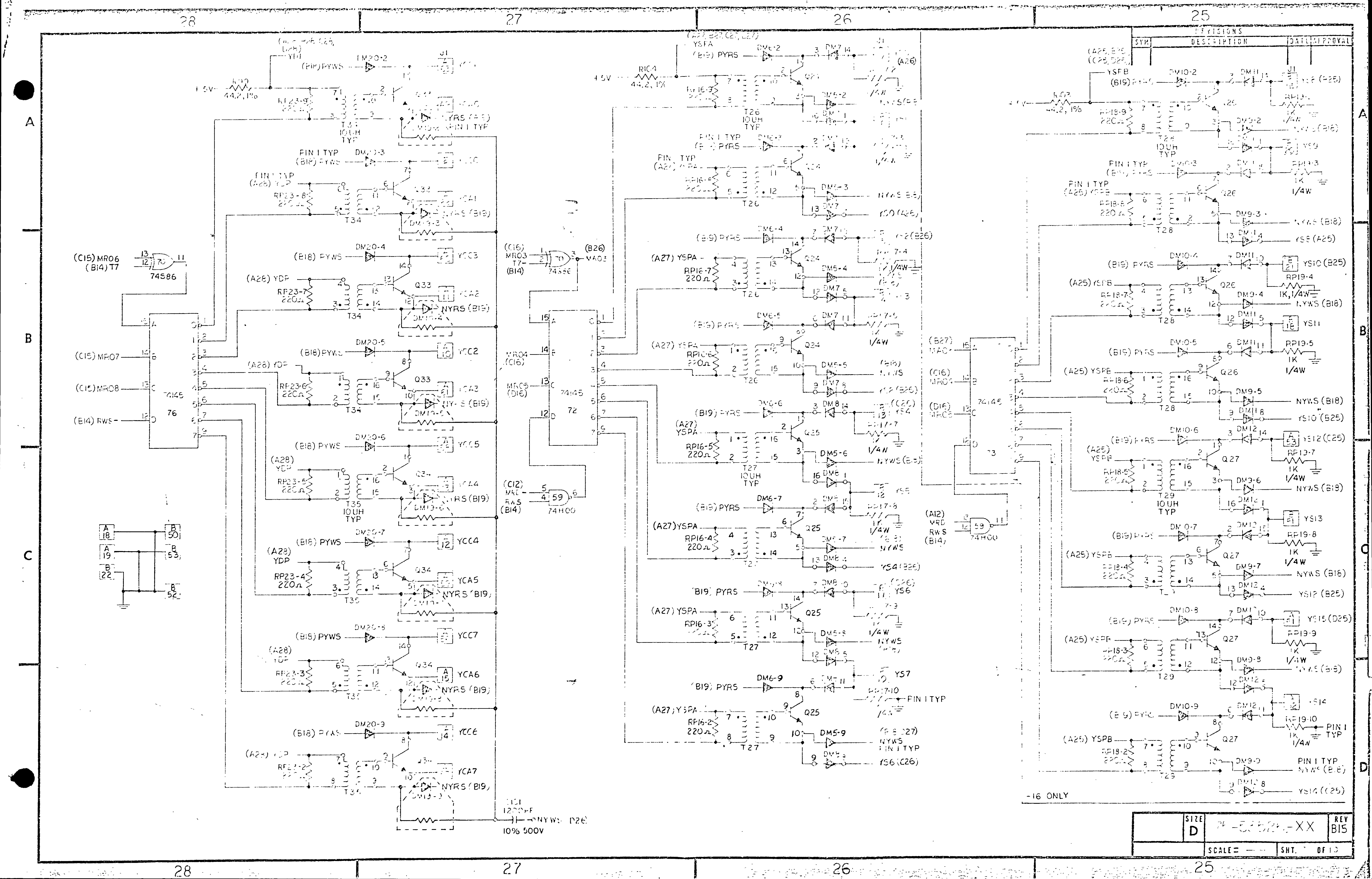
REVISIONS

SYM	DESCRIPTION	DATE	APPROVAL

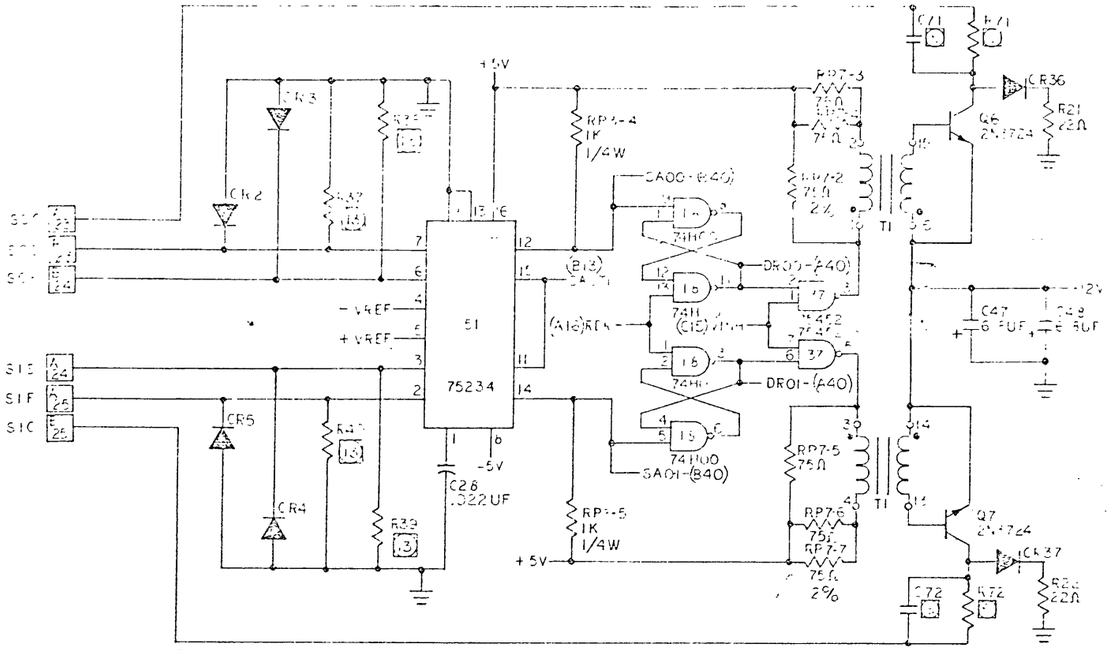


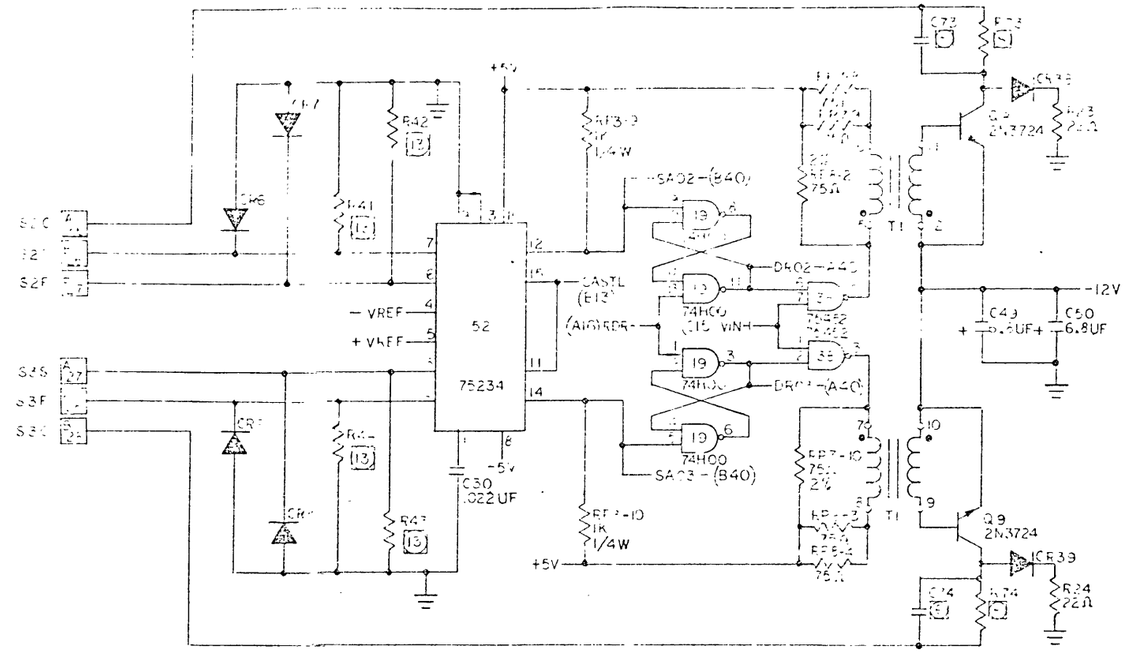
SIZE D	75-03526-XX	REV B15
SCALE = ——	SHT. 4 OF 10	

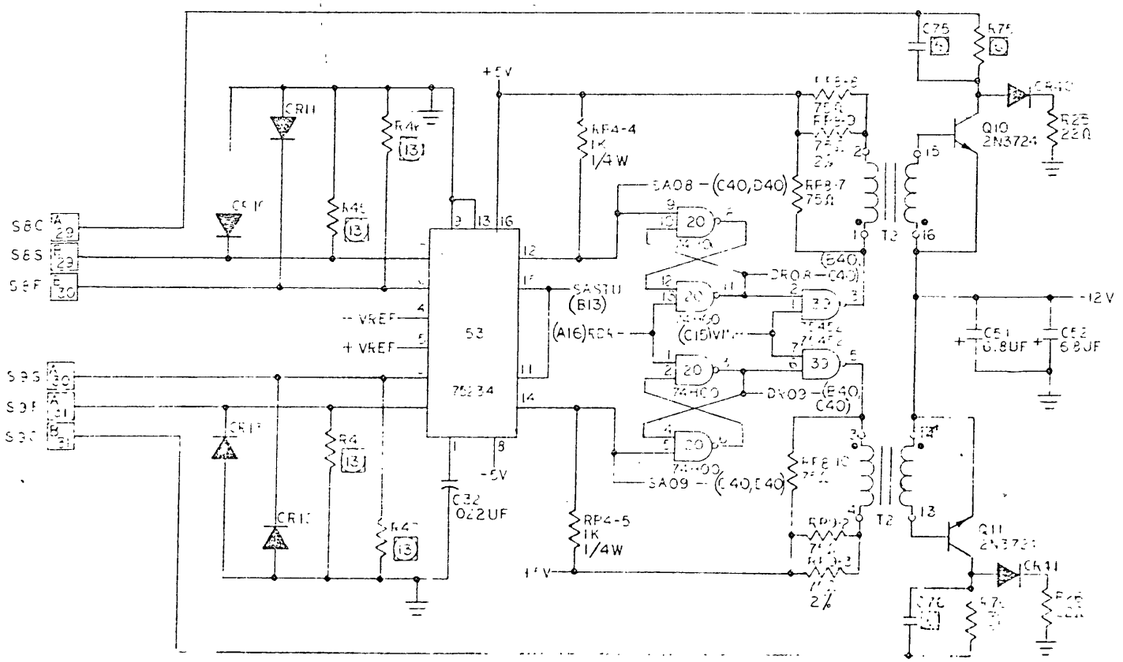

24
23
22
21
A
B
C
(A20, B24, C24, D24)
XDP
DM18-2
(E 8; PXWS
A 64 XCC1
+5V
RP22-1 220Ω
T32 10 UH TYP
A7 XCA0
NXRS (B20)
DM17-2
PIN 1 TYP
PIN 1 TYP (B,8) PXWS
DM18-3
C 6 XC 0
PIN 1 TYP (A24) XDP
RP22-8 220Ω
Q30
A 66 XCA1
NXRS (B20)
DM17-3
(B18) PXWS
DM18-4
B 64 XCC3
(A24) XDP
RP22-7 220Ω
Q30
B7 XCA2
NXRS (B20)
DM17-4
(C16) LSBIT T7 (B14)
74S86
(C16) MR01
(C16) MR02
(B14) RWS-
74145 75
(B18) PXWS
DM18-5
B 6 XCC2
(A24) XDP
RP22-6 220Ω
Q30
B5 XCA3
NXRS (B20)
DM17-5
(B18) PXWS
DM18-6
B 62 XCC5
(A24) XDP
RP22-5 220Ω
Q31
99 XCA4
NXRS (B20)
DM17-6
T33 10 UH TYP
(B18) PXWS
DM18-7
B 8 XCC4
(A24) XDP
RP22-4 220Ω
Q31
B3 XCA5
NXRS (B20)
DM17-7
(B18) PXWS
DM18-8
A 54 XCC7
(A24) XDP
RP22-3 220Ω
Q31
A 17 XCA6
NXRS (B20)
DM17-8
(B18) PXWS
DM18-9
A 16 XCC6
(A24) XDP
RP22-2 220Ω
Q31
55 XCA7
NXRS (B20)
DM17-9
(C15) MA03 T7 (B14)
74S86
(B22) MA03
(D16) MR10
(D16) MR11
74145 74
(C12) MRC RWS (B14)
74H00
(A20, B24, C24, D24)
XSPA
DM14-2
(B20) PXRS
+5V
R101 44.2, 1%
RP20-9 220Ω
Q28
RP21-2 1/4W
T30 10 UH TYP
PIN 1 TYP
DM14-3
(B20) PXRS
PIN 1 TYP (A23) XSPA
RP20-8 220Ω
Q28
RP21-3 1K 1/4W
T30
DM14-4
(B20) PXRS
(A23) XSPA
RP20-7 220Ω
Q28
T30
DM14-5
(B20) PXRS
(A23) XSPA
RP20-6 220Ω
Q28
RP21-5 1K 1/4W
T30
DM14-6
(B20) PXRS
(A23) XSPA
RP20-5 220Ω
Q29
T31 10 UH TYP
DM14-7
(B20) PXRS
(A23) XSPA
RP20-4 220Ω
Q29
T31
DM14-8
(B20) PXRS
(A23) XSPA
RP20-3 220Ω
Q29
T31
DM14-9
(B20) PXRS
(A23) XSPA
RP20-2 220Ω
Q29
T31
(A22) XS0
XS1
XS2(B22)
XS3
XS4
XS5
XS6(D22)
XS7
PIN 1 TYP
(A21, B21, C21, D21) XSPB
+5V
R102 44.2, 1%
DM2-2
(B20) PXRS
RP14-9 220Ω
Q22
RP15-2 1/4W
T24 10UH TYP
DM2-3
PIN 1 TYP (B20) PXRS
PIN 1 TYP (A21) XSPB
RP14-8 220Ω
Q22
RP15-3 1K 1/4W
T24
DM2-4
(B20) PXRS
(A21) XSPB
RP14-7 220Ω
Q22
RP15-4 1K 1/4W
T24
DM2-5
(B20) PXRS
(A21) XSPB
RP14-6 220Ω
Q22
RP15-5 1K 1/4W
T24
DM2-6
(B20) PXRS
(A21) XSPB
RP14-5 220Ω
Q23
RP15-7 1K 1/4W
T25 10UH TYP
DM2-7
(B20) PXRS
(A21) XSPB
RP14-4 220Ω
Q23
RP15-8 1K 1/4W
T25
DM2-8
(B20) PXRS
(A21) XSPB
RP14-3 220Ω
Q23
RP15-9 1K 1/4W
T25
DM2-9
(B20) PXRS
(A21) XSPB
RP14-2 220Ω
Q23
RP15-10 1K 1/4W
T25
(B23) MA09
(D16) MR10
(D16) MR11
74145 71
(A12) MRC (B14) RWS
74H00
A2 XS8(B21)
NXWS(B18)
A3 XS9
NXWS(B18)
A4 XS10(B21)
NXWS(B18)
A5 XS11
NXWS(B18)
B2 XS12(C21)
NXWS(B18)
B3 XS13
NXWS(B18)
B4 XS14(D21)
NXWS(B18)
B5 XS15
PIN 1 TYP
NXWS(B18)
XS16(C21)
-08 & -16 ONLY
REVISIONS
SYM DESCRIPTION DATE APPROVED
SIZE D
75-53526-XX
REV B15
SCALE =
SHT. 6 OF 16

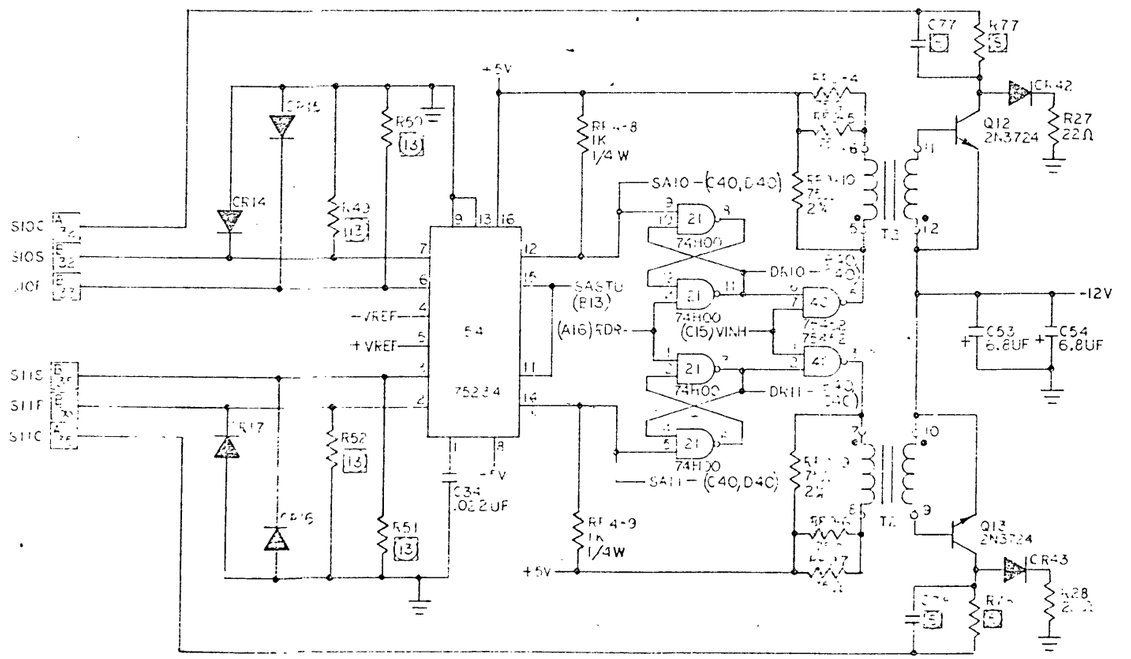

28
27
26
25
REVISIONS
SYM
DESCRIPTION
DATE
APPROVAL
A
B
C
D
74145
76
74145
72
74145
73
74S86
74H00
(C15) MR06
(B14) T7
(C15) MR07
(C15) MR08
(B14) RWS
(C16) MR03
(B26) MA03
(C12) MAE
RAS
(B14)
(A12) MRD
RWS
(B14)
(B19) PYRS
(B18) PYWS
(A28) YDP
(A27) YSPA
(A25) YSPB
NYWS (B18)
NYRS (B19)
PIN 1 TYP
10UH TYP
1/4W
-16 ONLY
10% 500V
SIZE
D
REV
B15
SCALE
SHT.

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



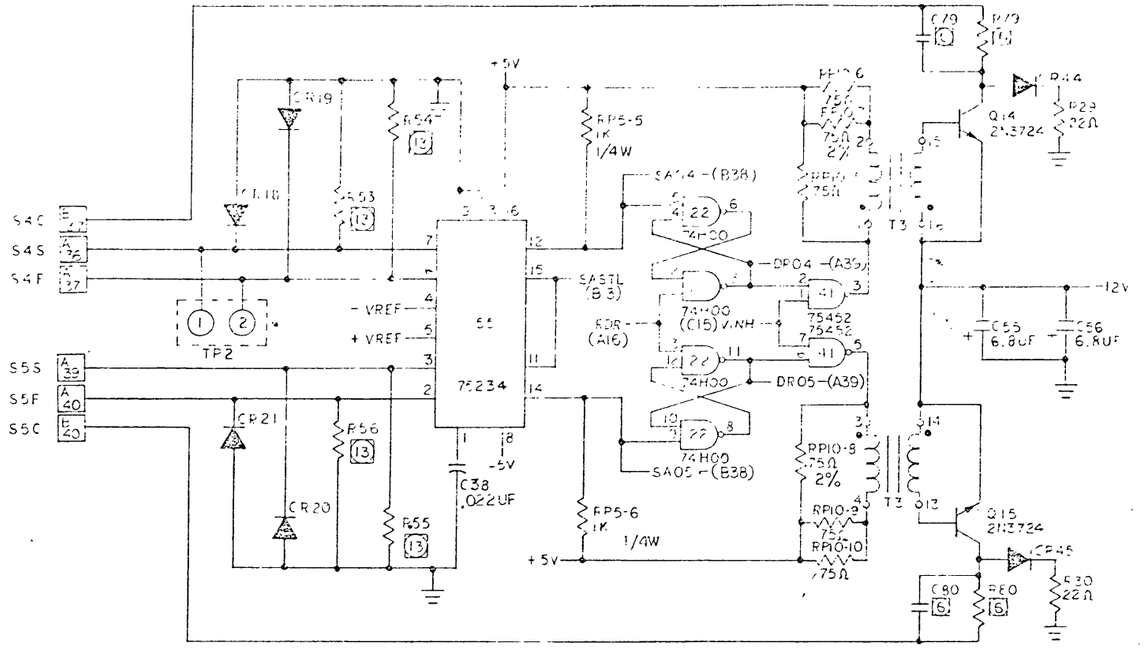


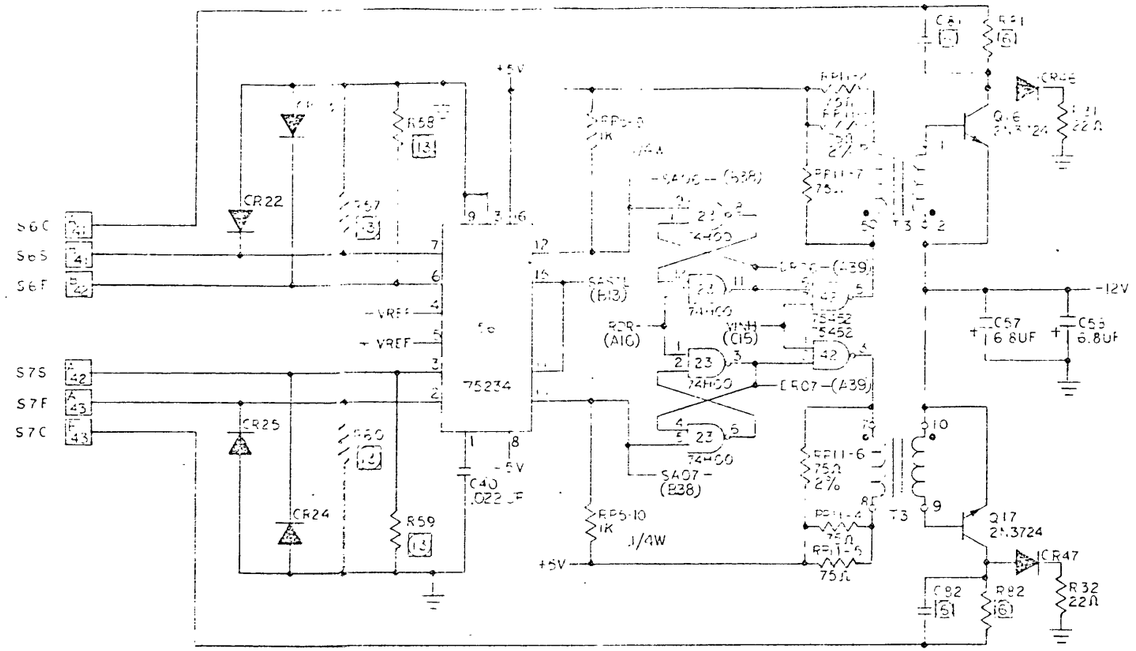


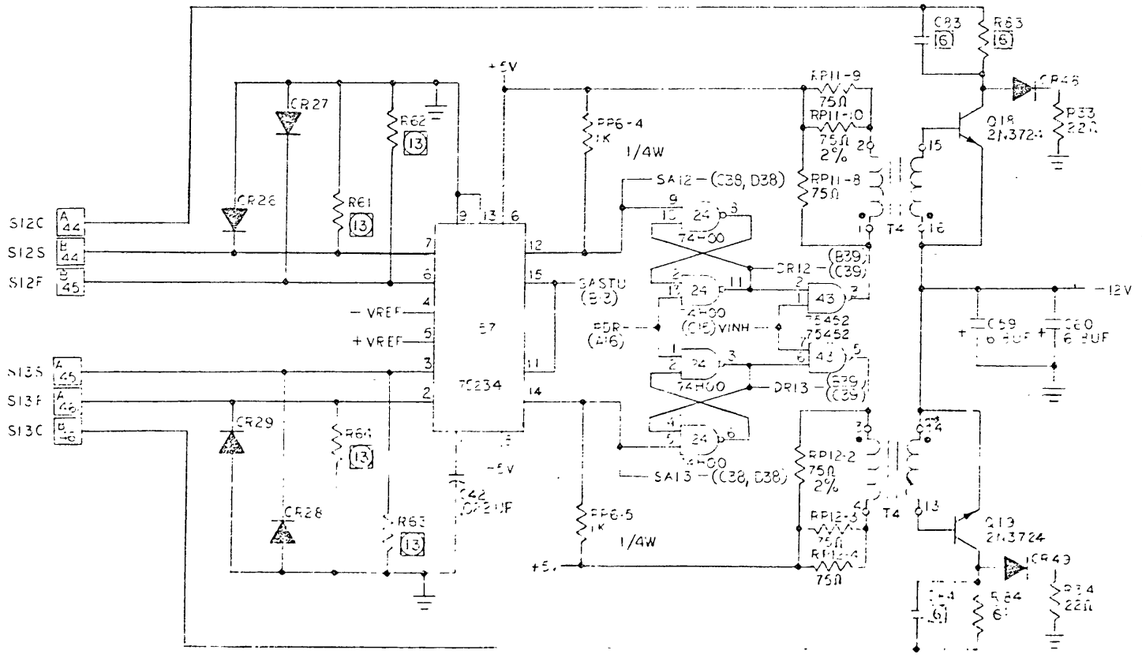


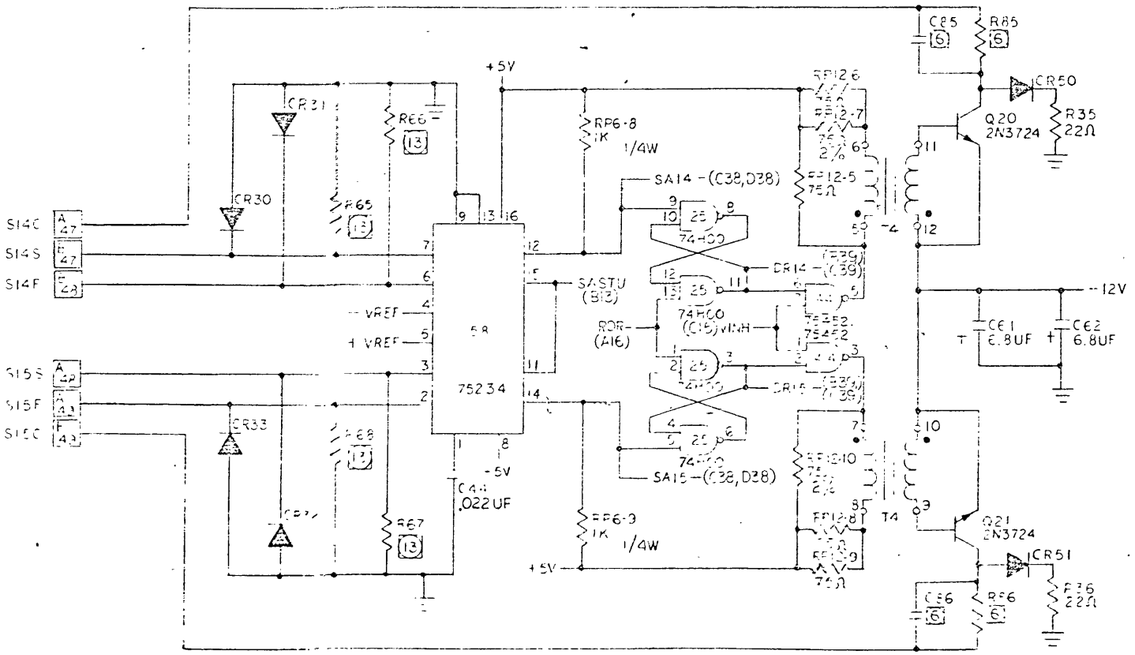
SIZE		REV
D	75-53526-XX	B15
SCALE= ——	SHT. 5 OF 6	

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



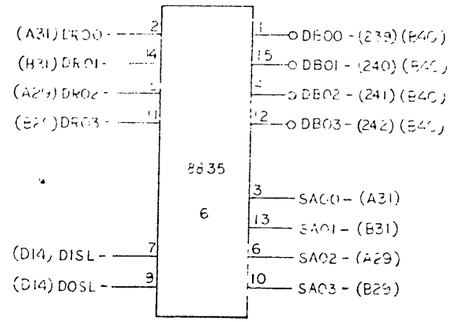


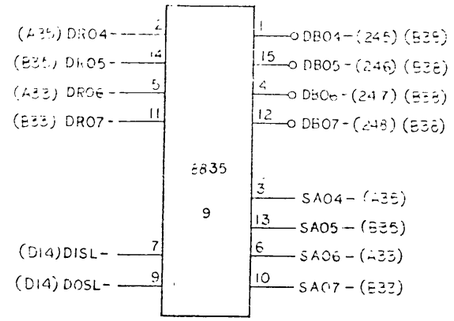


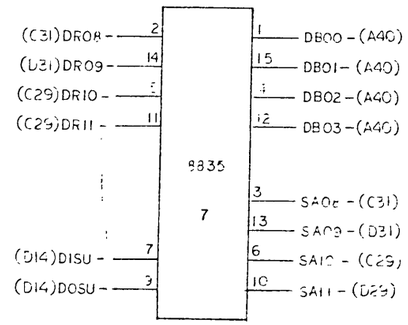


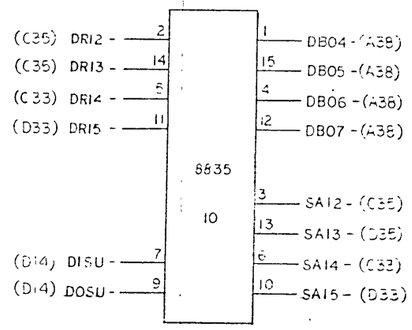
SIZE		REV
D	75-535?6-XX	B15
	SCALE = ——	SHT. 3 OF 10

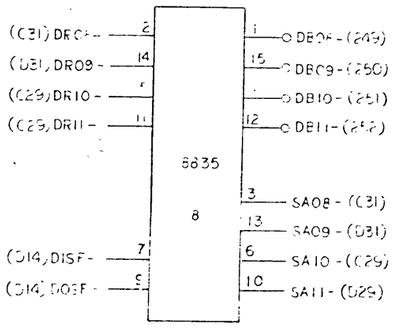
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED

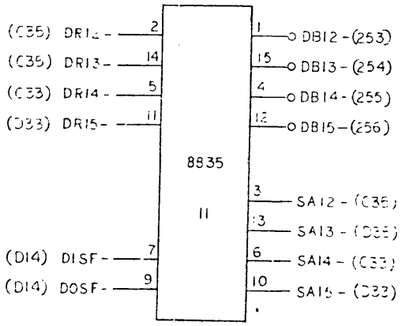


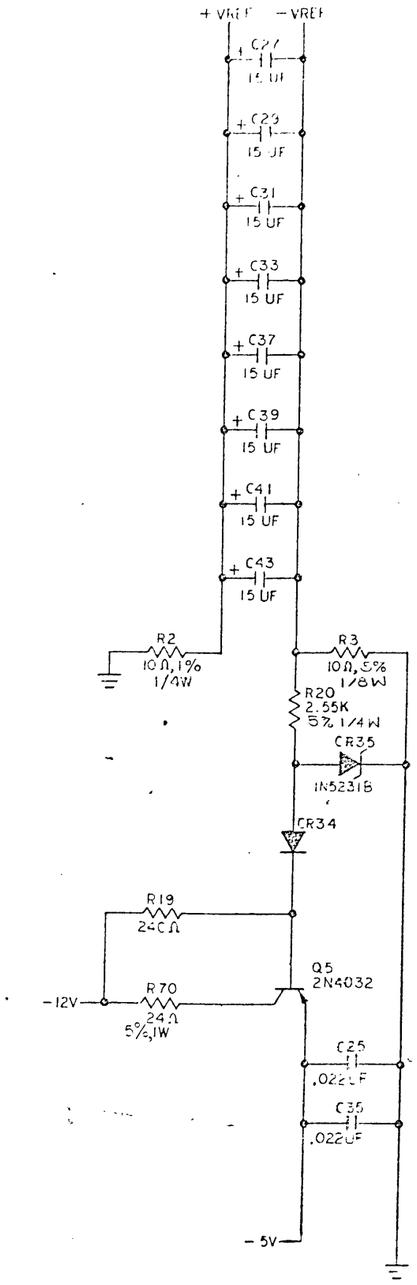








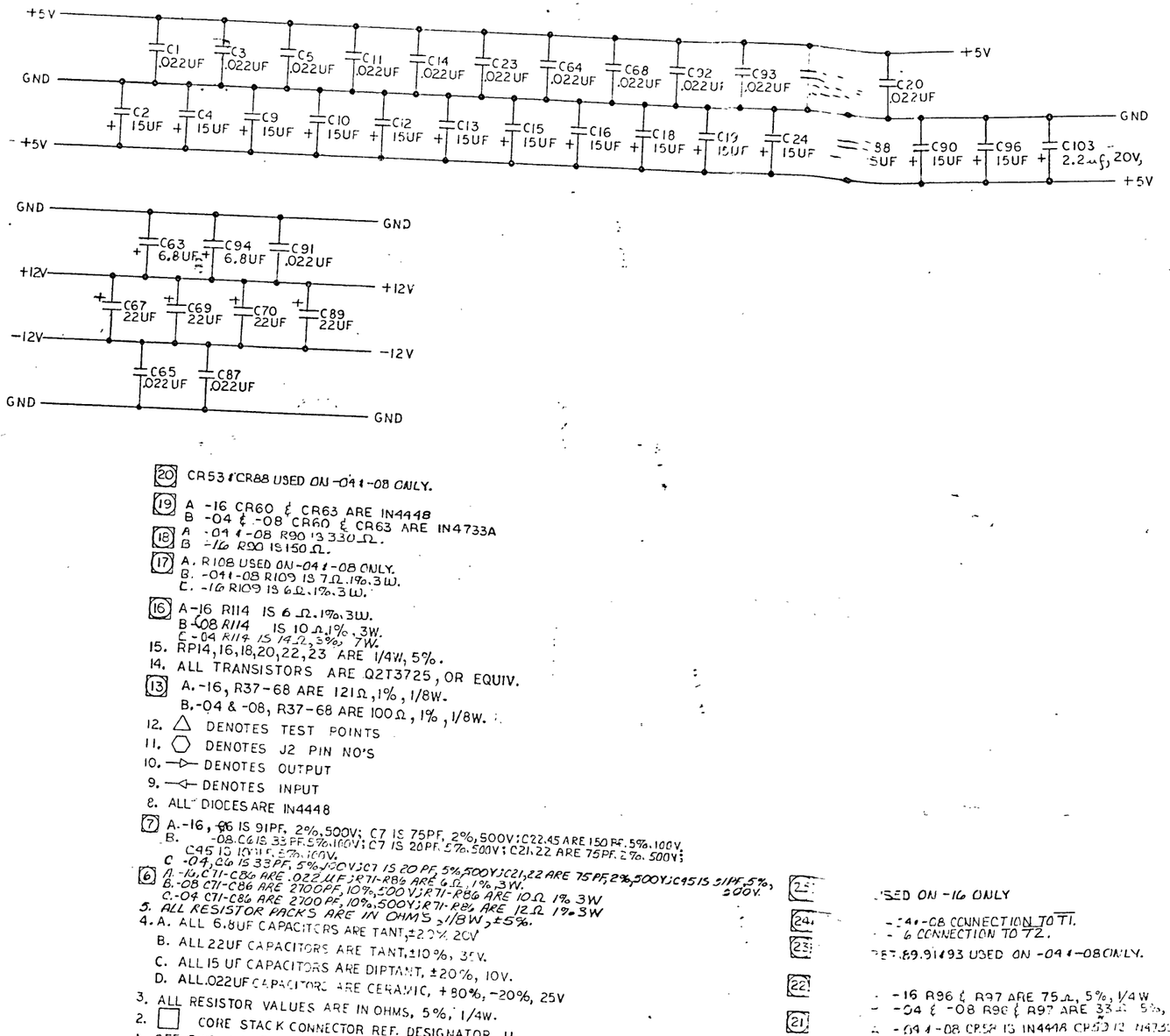




	SIZE		REV
	D	75-53526-XX	B15
	SCALE= ——	SHT. 10 OF 10	

TP1		SIGNAL	DIRECTION	LOCATION
PIN	1	DOSF-	▷	D14
	2	DOSL-		D14
	3	DOSU-		D14
	4	XRCST		B15
	5	DISF-		D14
	6	DISL-		D14
	7	DISU-		D14
	8	SMST-		C10
	9	SASTL		B13
	10	SASTU		B13
	11	MCLOCK-		A15
	12	YRCST		B15
	13	AIS-		B16
	14	WCST		C15
	15	VINH	▽	C15
PIN	16	GND	▷	B15

TP2		SIGNAL	DIRECTION	LOCATION
PIN	1	S3F	◁	B30
PIN	2	S3S	◁	B30



20. CR53 & CR88 USED ON -04 & -08 ONLY.
19. A -16 CR60 & CR63 ARE IN4448
    B -04 & -08 CR60 & CR63 ARE IN4733A
18. A -04 & -08 R90 IS 330 Ω.
    B -16 R90 IS 150 Ω.
17. A. R108 USED ON -04 & -08 ONLY.
    B. -04 & -08 R109 IS 7Ω .1%.3W.
    C. -16 R109 IS 6Ω .1%.3W.
16. A -16 R114 IS 6 Ω .1%.3W.
    B -08 R114 IS 10 Ω .1% .3W.
    C -04 R114 IS 14Ω .1% .7W.
15. RP14,16,18,20,22,23 ARE 1/4W, 5%.
14. ALL TRANSISTORS ARE Q2T3725, OR EQUIV.
13. A. -16, R37-68 ARE 121Ω, 1%, 1/8W.
    B. -04 & -08, R37-68 ARE 100Ω, 1%, 1/8W.
12. △ DENOTES TEST POINTS
11. ⬡ DENOTES J2 PIN NO'S
10. —▷ DENOTES OUTPUT
9. —◁ DENOTES INPUT
8. ALL DIODES ARE IN4448
7. A. -16, C6 IS 91PF, 2%, 500V; C7 IS 75PF, 2%, 500V; C22,45 ARE 150 PF, 5%, 100V.
   B. -08, C6 IS 33 PF, 5%, 100V; C7 IS 20PF, 5%, 500V; C21,22 ARE 75PF, 2%, 500V; C45 IS 10UF, 5%, 10V.
   C. -04, C6 IS 33PF, 5%, 500V; C7 IS 20 PF 5%, 500V; C21,22 ARE 75PF, 2%, 500V; C45 IS 3.3UF, 5%, 200V.
6. A. -16, C71-C86 ARE .022 UF; R71-R86 ARE 6 Ω 1%, 3W.
   B. -08 C71-C86 ARE 2700PF, 10%, 500V; R71-R86 ARE 10 Ω 1% 3W
   C. -04 C71-C86 ARE 2700 PF, 10%, 500V; R71-R86 ARE 12 Ω 1% 3W
5. ALL RESISTOR PACKS ARE IN OHMS, 1/8W, ±5%.
4. A. ALL 6.8UF CAPACITORS ARE TANT, ±20%, 20V
   B. ALL 22UF CAPACITORS ARE TANT, ±10%, 35V.
   C. ALL 15 UF CAPACITORS ARE DIPTANT, ±20%, 10V.
   D. ALL .022UF CAPACITORS ARE CERAMIC, +80%, -20%, 25V
3. ALL RESISTOR VALUES ARE IN OHMS, 5%, 1/4W.
2. □ CORE STACK CONNECTOR REF. DESIGNATOR J1.
1. SEE DWG. NO. 73-53526-XX FOR ASSEMBLY DWG.

NOTES UNLESS OTHERWISE SPECIFIED

25. USED ON -16 ONLY
24. -04 & -08 CONNECTION TO T1.
    -16 CONNECTION TO T2.
23. REF. 89,91,93 USED ON -04 & -08 ONLY.
22. -16 R96 & R97 ARE 75Ω, 5%, 1/4W
    -04 & -08 R96 & R97 ARE 33Ω 5%, 1/4W
21. -04 & -08 CR52 IS IN4448 CR53 IS IN4734A

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL

SIZE	—	REV
D	75 53526 XX	C22
SCALE=	SHT. 2 OF 10	

P1	SIGNAL	DIRECTION	LOCATION
PIN 101	GND	◁	
102	GND	◁	
103	+12V	◁	
104	+12V	◁	
105	+12V	◁	
106	+12V	◁	
107	-12V	NU	
108	-12V	NU	
109			
110			
111			
112			
113	+5V	◁	
114	+5V	◁	
115	MST-	◁	C11
116			
117	MACK-	▷	C13
118	RD-	◁	B16
119	FCLK-	NU	
120	SLB-	◁	B16
121	PFD-	NU	
122	MDIS-	◁	C10
123	AB08-	◁	C16
124	AB09-	◁	C16
125	AB10-	◁	D12
126	AB11-	◁	D12
127	GND	◁	
128	GND	◁	
129	AB12-	◁	C12
130	AB13-	◁	D12
131	AB14-	◁	D12
132	AB15-	◁	B16
133			
134			
135	STØP-	NU	
136	SACK-	NU	
137			
138			
139	DB00-	NU	
140	DB01-	NU	
141	DB02-	NU	
142	DB03-	NU	
143	+5V	◁	
144	+5V	◁	
145	DB04-	NU	
146	DB05-		
147	DB06-		
148	DB07-		
149	DB08-		
150	DB09-		
151	DB10-		
152	DB11-		
153	DB12-		
154	DB13-		
155	DB14-		
156	DB15-		
157	EXEC-		
158	IN-	NU	
159	GND	◁	
160	GND	◁	
161	IØCL-	NU	
162	ØUT-	NU	
163	CLK-	◁	B12
164	SER-	NU	
165	IUR-	▷	A10
166	ILI-	NU	
167	IAR-	NU	
PIN 168	IL2-	NU	

P	SIGNAL	DIRECTION	LOCATION
PIN 169	RST-	NU	
170	IUA-	NU	
171	PLSE-	NU	
172	ECHØ-	NU	
173	+5V	◁	
174	+5V	◁	
175	AB03-		C16
176	AB04-		C16
177	AB05-		C16
178	AB06-		C16
179	AB07-		C16
180	AB00-		A10
181	AB01-		C16
182	AB02-		C16
183	PRIN-	◁	A11
184	PRØT-	▷	A11
185	GND	◁	
PIN 186	GND	◁	

P2	SIGNAL	DIRECTION	LOCATION
PIN 201	GND	◁	
202	GND	◁	
203	+12V	NU	
204	+12V	NU	
205	+12V	NU	
206	+12V	NU	
207	-12V	◁	
208	-12V	◁	
209	DPIN-	◁	A11
210	DPØT-	▷	A11
211	EBSEL-	◁	C11
212			
213	+5V	◁	
214	+5V	◁	
215	MST-	NU	
216			
217	MACK-		
218	RD-		
219	FCLK-		
220	SLB-		
221	PFD-		
222	MDIS-	NU	
223	AB08-	NU	
224	AB09-	NU	
225	AB10-	NU	
226	AB11-	NU	
227	GND	◁	
228	GND	◁	
229	AB12-	NU	
230	AB13-		
231	AB14-		
232	AB15-		
233			
234			
235	STØP-		
236	SACK-	NU	
237	MBIN	◁	C10
238	MBØT	▷	A10
239	DB00-	▷◁	A39
240	DB01-	▷◁	A39
241	DB02-	▷◁	A39
242	DB03-	▷◁	A39
243	+5V	◁	
244	+5V	◁	
245	DB04-	▷◁	A38
246	DB05-	▷◁	A38
247	DB06-	▷◁	A38
PIN 248	DB07-	▷◁	A38

P2	SIGNAL	DIRECTION	LOCATION
PIN 249	DB08-	▷◁	C39
250	DB09-	▷◁	C39
251	DB10-	▷◁	C39
252	DB11-	▷◁	C39
253	DB12-	▷◁	C38
254	DB13-	▷◁	C38
255	DB14-	▷◁	C38
256	DB15-	▷◁	C38
257	EXEC-	NU	
258	IN-	NU	
259	GND	◁	
260	GND	◁	
261	IØCL-	NU	
262	ØUT-	NU	
263	CLK-	NU	
264	SER-	NU	
265	IUR-	NU	
266	ILI-	NU	
267	IAR-	NU	
268	IL2-	NU	
269	RST-		
270	IUA-		
271	PLSE-		
272	ECHØ-	NU	
273	+5V	◁	
274	+5V	◁	
275	AB03-	NU	
276	AB04-		
277	AB05-		
278	AB06-		
279	AB07-		
280	AB00-		
281	AB01-		
282	AB02-	NU	
283	PRIN-	◁	A11
284	PRØT-	▷	A11
285	GND	◁	
PIN 286	GND	◁	

J1	SIGNAL	DIRECTION	LOCATION
PIN A01	SASTU	▷	B13
A02	XS8		A21
A03	XS9		A21
A04	XS10		B21
A05	XS11		B21
A06	XCC0		A23
A07	XCA0		A23
A08	YCC0		A27
A09	YCA0		A27
A10	YCC2		B27
A11	YCA2		B27
A12	YCC4		C27
A13	YCA4		C27
A14	YCC6		D27
A15	YCA6		D27
A16	XCC6		D23
A17	XCA6		D23
A18	GND		C28
A19	GND	▷	C28
A20	RT1	◁	C18
A21	RT2	◁	C18
A22	SPARE		
A23	S0C	◁	A32
A24	S1S	◁	B32
A25	S1F	◁	B32
A26	S2C	▷	A30
PIN A27	S3S	◁	B30

J1	SIGNAL	DIRECTION	LOCATION
PIN A28	S3F	◁	B30
A29	S8C	▷	C32
A30	S9S	◁	C32
A31	S9F	◁	D32
A32	S10C	▷	C30
A33	S17S	NU	
A34	S17F	NU	
A35	S11C	▷	D30
A36	S4S	◁	A36
A37	S4F	◁	A36
A38	S16C	NU	
A39	S5S	◁	B36
A40	S5F	◁	B36
A41	S6C	▷	A34
A42	S7S	◁	B34
A43	S7F	◁	B34
A44	S12C	▷	C36
A45	S13S	◁	C36
A46	S13F	◁	D36
A47	S14C	▷	C34
A48	S15S	◁	C34
A49	S15F	◁	D34
A50	NU	NU	
A51	YS15	▷	C25
A52	YS14	▷	D25
A53	YS12	▷	B25
A54	XCC7	▷	C23
A55	XCA7		D23
A56	YCC7		C27
A57	YCA7		D27
A58	YCC5		B27
A59	YCA5		C27
A60	YCC3		B27
A61	YCA3		B27
A62	YCA1		A27
A63	YCC1		A27
A64	XCC1		A23
PIN A65	XCA1	▷	A23
PIN B01	MST-	NU	
B02	XS12	▷	B21
B03	XS13		C21
B04	XS14		C21
B05	XS15		D21
B06	XCC2		B23
B07	XCA2		B23
B08	XCC4		C23
B09	XCA4		C23
B10	YS7		D26
B11	YS6		C26
B12	YS5		C26
B13	YS4		B26
B14	YS3		B26
B15	YS2		B26
B16	YS1		A26
B17	YS0	▷	A26
B18	YS11	◁	B25
B19	YS8	◁	A25
B20	YS9	◁	A25
B21	YS10	◁	B25
B22	GND	▷	C28
B23	S0S	◁	A32
B24	S0F	◁	A32
B25	S1C	▷	B32
B26	S2S	◁	A30
B27	S2F	◁	B30
B28	S3C	▷	B30
B29	S8S	◁	C32
PIN B30	S8F	[illegible]	C32

J1	SIGNAL	DIRECTION	LOCATION
PIN B31	S9C	◁	C32
B32	S10S	◁	C30
B33	S10F	◁	C30
B34	S17C	NU	
B35	S11S	◁	C30
B36	S11F	◁	C30
B37	S4C	◁	A36
B38	S16S	NU	
B39	S16F	NU	
B40	S5C	◁	
B41	S6S	◁	A34
B42	S6F	◁	B34
B43	S7C	◁	B34
B44	S12S	◁	C36
B45	S12F	◁	C36
B46	S13C	▷	D36
B47	S14S	◁	C34
B48	S14F	◁	C34
B49	S15C	▷	D34
B50	GND		C28
B51	YS13		A25
B52	GND		C28
B53	GND		C28
B54	XS7		D22
B55	XS6		C22
B56	XS5		C22
B57	XS4		B22
B58	XS3		B22
B59	XS2		B22
B60	XS1		A22
B61	XSØ		A22
B62	XCC5		B23
B63	XCA5		C23
B64	XCC3		B23
PIN B65	XCA3	▷	B23

J2	SIGNAL	DIRECTION	LOCATION
PIN 1	SPARE		
2	SPARE		
3	SPARE		
4	RWS-	◁	B14
5	INTER-	◁	B12
6	ØDD-	◁	B12
7	E.LØW	◁	C12
8	E.HIGH	◁	C12
9	GND	◁	C12
10	GND	◁	C12
11	GND	◁	B12
12	GND	◁	B12
13	SPARE		
14	SPARE		
PIN 15	SPARE		
PIN 16	SPARE		

REVISIONS

REV	DESCRIPTION	DR	CH	DATE	APPROVED
C0	ENGINEERING RELEASE	[illegible]	[illegible]		
C1	CHANGED PER EN [illegible]	[illegible]	[illegible]		[illegible]
C2	SEE EN 2046	[illegible]	[illegible]		
C3	PRODUCTION REL PER EN 2181	[illegible]	[illegible]	[illegible]	[illegible]
C4	CHANGED PER EN 2695	bc			
C5	CHANGED PER EN 3036	bc			
C6	CHANGED PER EN 3053	bc			
C7	CHANGED PER EN 3099	bc			
C8	CHANGED PER EN 3180	bc			
C9	CHANGED PER EN 3181	bc			
C10	CHANGED PER EN 3374	bc			
C11	CHANGED PER EN 3491	bc			
C12	CHANGED PER EN 3503	bc		[illegible]	[illegible]
C13	CHANGED PER EN 3811	GS	[illegible]	[illegible]	[illegible]
C14	CHANGED PER EN 3842	GS	[illegible]	[illegible]	[illegible]
C15	INCORPORATE EN [illegible]	EOC	[illegible]	[illegible]	[illegible]
C16	INCORPORATE EN [illegible]	[illegible]	[illegible]		
C17	INCORPORATE EN [illegible]	[illegible]	[illegible]		
C18	INCORPORATE EN [illegible]	[illegible]	[illegible]		
C19	INCORPORATE EN [illegible]	[illegible]	[illegible]		[illegible]
C20	INCORPORATE EN 4743	RG	[illegible]	[illegible]	[illegible]
C21	INCORPORATE EN 4749	RG	[illegible]	[illegible]	[illegible]
C22	INCORPORATE EN 4967	RG	[illegible]	[illegible]	[illegible]

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NOTES UNLESS SPECIFIED
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2. BREAK ALL SHARP EDGES .010 APPROX.
3. ALL DIM. IN INCHES

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DR. CHK. DSG. ENGR.

COMPUTER AUTOMATION INC.
18651 VON KARMAN, IRVINE, CAL 92664

TITLE: LOGIC DIAGRAM, MEMORY

SIZE D | DWG. NO. 75-53526-XX | REV C22

DO NOT SCALE DRAWING | SCALE = | SHT. 1 OF [illegible]

75-53526-XX C22

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CONTAINS PROPRIETARY INFORMATION

REV	DESCRIPTION	DR	CH	DATE	APPROVAL

RP1 10Ω
RP1 10Ω
RP1 10Ω
8K
4K
(C12,C22) MRC
(C12,C26) MRD
(C12) EN4
(C12) EN8
(C12) EN16
(D12) EN32
(B10) MRE
MRI2 (D15)
MRI3 (D15)
J2 (B10)
J1 (B10)
ABI2 (C12)
ABI3 (D12)
ABI4 (D12)
(183) PRIN-
(184) PRØT-
(283) PPIN-
(284) PRØT-
(209) DPIN-
(210) DPØT-
+5V
RP2-10 1K
ØDD-(A10,B10)
J2 6
(B11) PUP
ØDD (B10)
7486
J2 11
(163) CLK-
(C10) ICLK-
+5V
RP2-3 1K
INTER-(B10)
J2 5
INTER (B10)
PUP (B11)
C104 24
J2 12
RP2-4 1K
RP2-5 1K
RP2-6 1K
PUP(A10,C10,A11,C11,D11,B12)
+5V
RP2-8 1K
ENABLE HIGH
J2 8
J2 7
ENABLE LØW
J2 10
J2 9
74H05
RI06 1K
RP2-2 1K
ENABLE (C11,B10)
(A12) MRD
MRD-(C27)
(A12) MRC
MRC-(C23)
(129) ABI2-
ABI2 (D16,A12,D11,C11)
(130) ABI3-
ABI3 (D16,A12,C11 D11)
(131) ABI4-
ABI4 (B11, C11)
(125) ABI0-
ABI0 (B11, C11, C16)
(126) ABI1-
ABI1 (B11, D11, C16)
74H04
74HC4
(A12) EN4
(B10) LI2
(A12) EN8
(B10) LI3
(A12) EN16
(B10) LI4
(A12) EN32
LI5 (10)
7483 12
C4
N/C
U12 (A11, D11)
U13 (A11, D11)
U14 (A11, C11)
U15 (A11, C11)
(C9) FULL
+5V
R69 390Ω
7474 68
CK CLR Q
(C10) MDIS-1-
(B10) LI4
(D12) ABI4
(C10) LI5
7485 31A
7485 31B
(B10) LI0
(D12) ABI0
(B10) LI1
(D12) ABI1
(B10) LI2
(D12) ABI2
(B10) LI3
(D12) ABI3
A<B OUT
A=B OUT
A>B OUT
A<B IN
A=B IN
A>B IN
(B11) PUP
N/C
(B10) LI0
(B10) LI1
(C11) U12
(C11) U.3
(D11) U14
(D11) U15
(B11) PUP
74165 27
SHIFT
CLK
CLKI
IN
74H05
IUP-(I65)
MBØT (238)
(B11) PUP
(B12) ØDD-
7486
ABØØ-(180)
74H04
(A12) MRE
74153 33
2CØ
2C1
2C2
2C3
2G
1Y
2Y
IBIT (C10)
LSB (C16)
INTER (B12)
(B12) INTER
(B12) ØDD
(C12) ENABLE
74S20
J1 (A12)
(B12) ØDD-
(C12) ENABLE
(B12) INTER
74H10
(B12) INTER-
(C12) ENABLE
(B11) PUP
J2 (A12)
(237) MBIN
74164 45
QA LI0 (A11, B11, C11)
QB LI1 (A11 B11 C11)
QC LI2 (C11,C12)
QD LI3 (C11,C12)
QE LI4 (B11,D12)
QF LI5 (D12,B11)
QG
QH N/C
CLK
(B11) ICLK-
74H00
(A19,A20) (122) MDIS-
+5V
RP2-7 1K 5%, 1/4 W
(211) EBSELC
(C12) ENABLE
(A10)
IBIT
SMST-(C14 A16)
TP1
MST-(C19)
(115) MST-
74S04
MDIS-1 (A14)
MDIS-1-(C14. B11)
FULL (B11)

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D	75-53526-XX	C22
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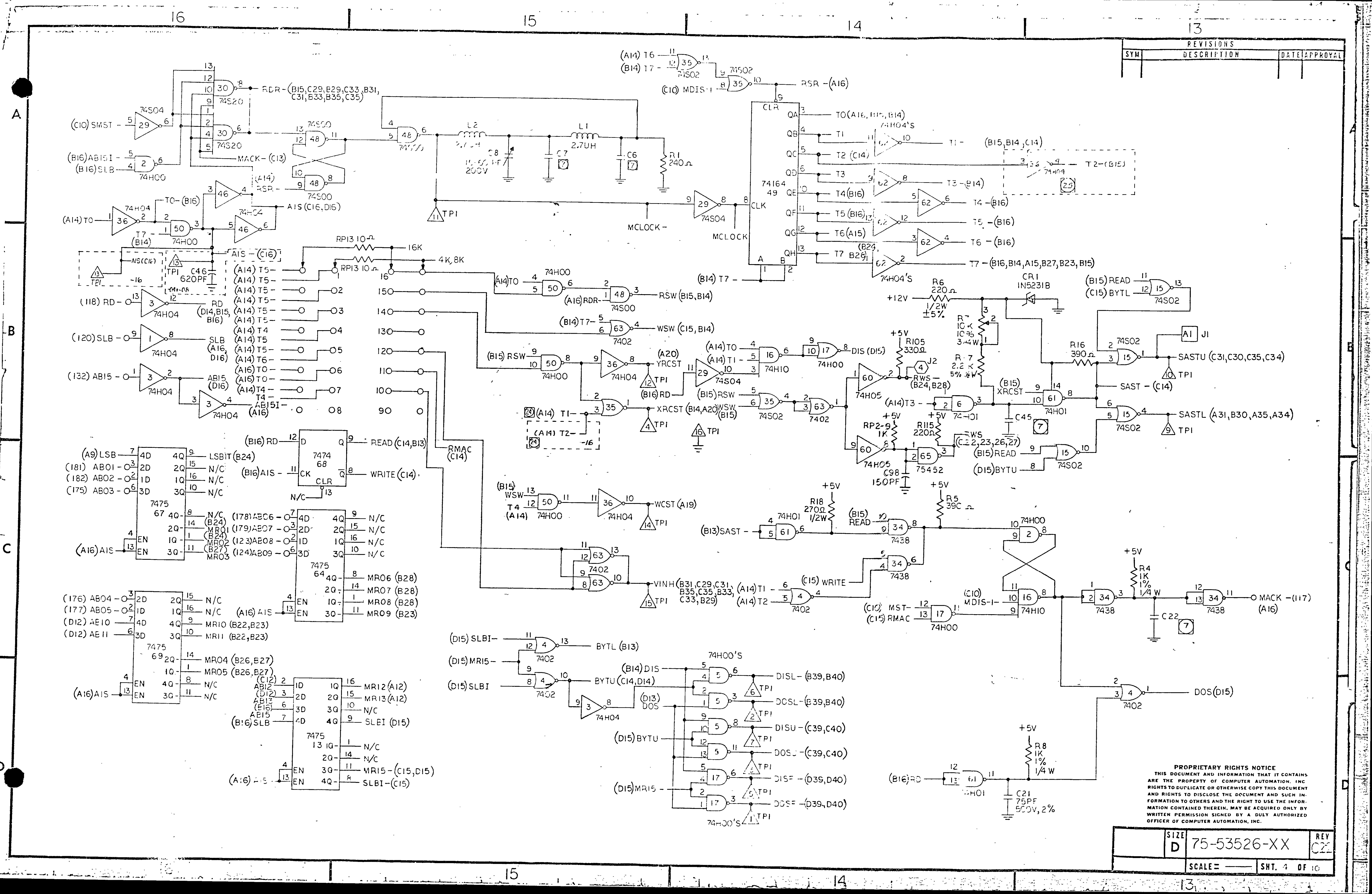
REVISIONS
SYM
DESCRIPTION
DATE
APPROVAL
16
15
14
13
A
B
C
D
(C10) SMST
(B16) AB15I
(B16) SLB
74H00
74S04
74S20
74S00
RDR-(B15,C29,B29,C33,B31, C31,B33,B35,C35)
MACK-(C13)
(A14) RSR
AIS (C16,D15)
(A14) T0
T0-(B16)
T7
(B14)
AIS-(C16)
TPI
C46
620PF
(118) RD
RD (D14,B15, B16)
(120) SLB
SLB (A16, D16)
(132) AB15
AB15 (D16)
AB15I
(A16)
74H04
L2
L1
2.7UH
C8
C7
C6
R1
240Ω
200V
TPI
MCLOCK
(A14) T6
(B14) T7
(C10) MDIS-I
RSR-(A16)
74S02
CLR
QA
QB
QC
QD
QE
QF
QG
QH
CLK
74164
49
T0(A16,B15,B14)
T1
T2 (C14)
T3
T4(B16)
T5(B16)
T6(A15)
T7
74H04'S
T1 (B15,B14,C14)
T2-(B16)
74H09
T3-(B14)
T4-(B16)
T5-(B16)
T6-(B16)
T7-(B16,B14,A15,B27,B23,B15)
(B14) T7
RP13 10Ω
16K
4K,8K
(A14) T5
(A14) T4
(A14) T6
(A16) T0
(A14) T4
T4
(A14) T0
74H00
(A16) RDR
RSW (B15,B14)
(B14) T7
WSW (C15,B14)
7402
(B15) RSW
(A20) YRCST
(B16) RD
(A14) T1
(A14) T2
XRCST (B14,A20)
(A14) T0
(A14) T1
74H10
74S04
DIS (D15)
(B15) RSW
WSW (B15)
+5V
R105 330Ω
J2
RWS
(B24,B28)
74H05
+12V
R6 220Ω 1/2W ±5%
CR1 1N5231B
R7 10K 10% 3/4W
R17 2.2K 5% 1/4W
(B15) XRCST
(A14) T3
74H01
C45
RP2-9 1K
R115 220Ω
RWS (C22,23,26,27)
C98 150PF
75452
(B15) READ
(C15) BYTL
R16 390Ω
A1
J1
SASTU (C31,C30,C35,C34)
SAST-(C14)
SASTL (A31,B30,A35,A34)
(B15) READ
(D15) BYTU
(A9) LSB
(181) AB01
(182) AB02
(175) AB03
7475
67
LSBIT (B24)
N/C
MR01 (B24)
MR02 (B24)
MR03 (B27)
(A16) AIS
(B16) RD
7474
68
READ (C14,B13)
WRITE (C14)
(B16) AIS
N/C
RMAC (C14)
(B15) WSW
T4 (A14)
WCST (A19)
(178) AB06
(179) AB07
(123) AB08
(124) AB09
7475
64
MR06 (B28)
MR07 (B28)
MR08 (B28)
MR09 (B23)
VINH (B31,C29,C31, B35,C35,B33, C33,B29)
(176) AB04
(177) AB05
(D12) AE10
(D12) AE11
7475
69
MR10 (B22,B23)
MR11 (B22,B23)
MR04 (B26,B27)
MR05 (B26,B27)
+5V
R18 270Ω 1/2W
(B13) SAST
(B15) READ
7438
(C15) WRITE
(A14) T1
(A14) T2
R5 390Ω
(C10) MDIS-I
(C10) MST
(C15) RMAC
R4 1K 1% 1/4W
C22
MACK-(117) (A16)
(D15) SLBI
(D15) MR15
(D15) SLBI
BYTL (B13)
BYTU (C14,D14)
(B14) DIS
(D13) DOS
(D15) BYTU
(D15) MR15
74H00'S
DISL-(B39,B40)
DOSL-(B39,B40)
DISU-(C39,C40)
DOSU-(C39,C40)
DISF-(D39,D40)
DOSF-(D39,D40)
(C12) AB12
(D12) AB13
(E15) AB15
(B16) SLB
7475
13
MR12 (A12)
MR13 (A12)
SLEI (D15)
MR15-(C15,D15)
SLBI-(C15)
DOS (D15)
+5V
R8 1K 1% 1/4W
(B16) RD
C21 75PF 500V, 2%

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D	75-53526-XX	C2
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REVISIONS			
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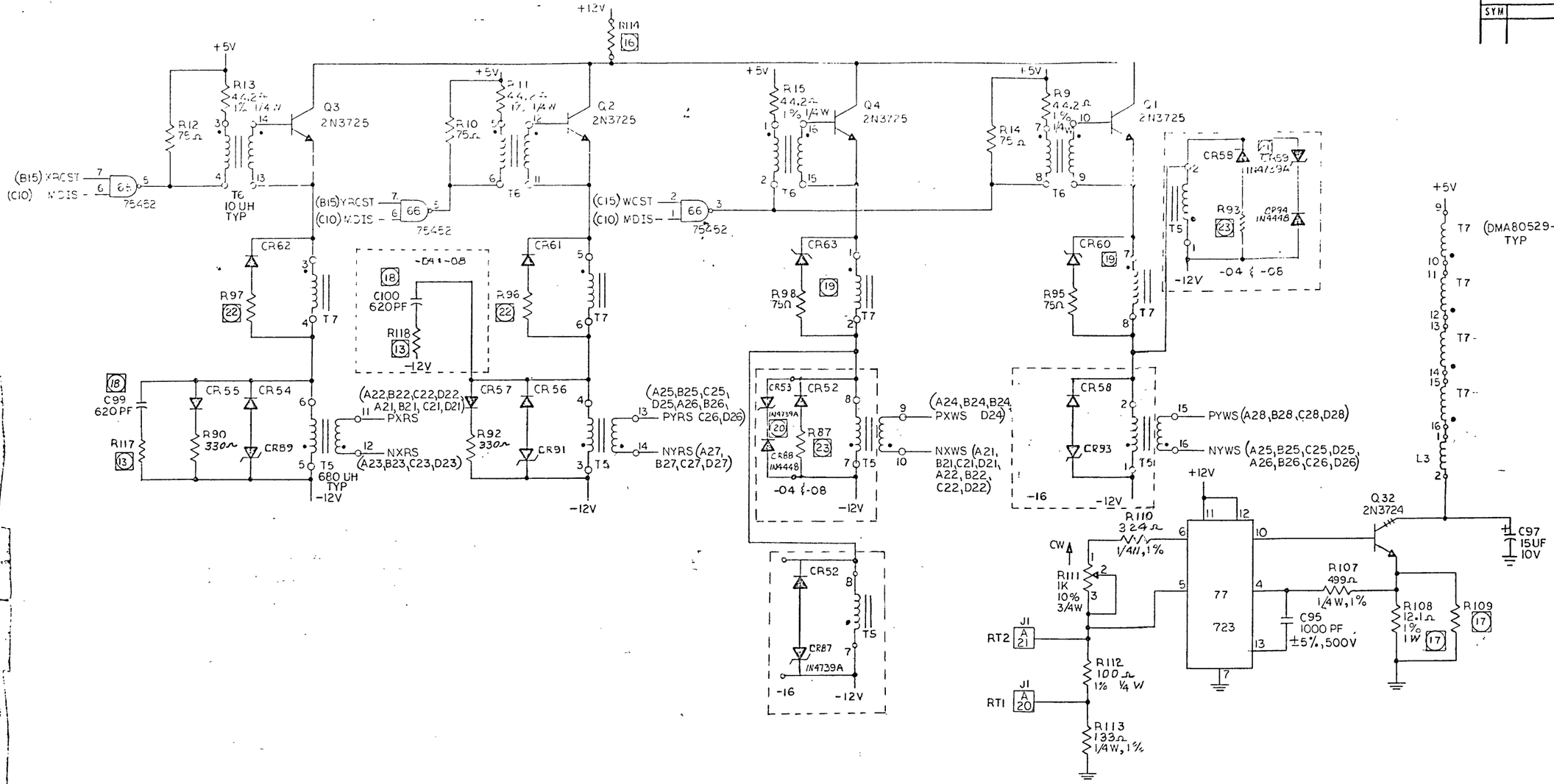

SIZE		REV
D	75-55526-XX	C22
SCALE= —	SHT. 5 OF 6	

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL

(A24, B24, C24, D24) DM18-2
XDP (B18) PXWS
+5V R100 44.2, 1% RP22-1 220Ω
T32 100UH TYP
Q30
A64 XCC1
A7 XCA0
NXRS (B20)
DM17-2
PIN 1 TYP
RP24-3
PIN 1 TYP
DM18-3
(B18) PXWS
A6 XCC0
PIN 1 TYP (A24) XDP
RP22-8 220Ω
Q30
A65 XCA1
NXRS (B20)
RP24-4
DM18-4
(B18) PXWS
B64 XCC3
(A24) XDP
RP22-7 220Ω
Q30
B7 XCA2
NXRS (B20)
DM17-4
RP24-5
DM18-5
(B18) PXWS
B6 XCC2
(A24) XDP
RP22-6 220Ω
Q30
B65 XCA3
NXRS (B20)
DM17-5
RP24-6
DM18-6
(B18) PXWS
B62 XCC5
(A24) XDP
RP22-5 220Ω
T33 10UH TYP
Q31
B9 XCA4
NXRS (B20)
DM17-6
RP24-7
DM18-7
(B18) PXWS
B8 XCC4
(A24) XDP
RP22-4 220Ω
Q31
B63 XCA5
NXRS (B20)
DM17-7
RP24-8
DM18-8
(B18) PXWS
A54 XCC7
(A24) XDP
RP22-3 220Ω
Q31
A17 XCA6
NXRS (B20)
DM17-8
RP24-9
DM18-9
(B18) PXWS
A16 XCC6
(A24) XDP
RP22-2 220Ω
Q31
A55 XCA7
NXRS (B20)
DM17-9
RP24-10 100Ω TYP
C102 1200PF
NXWS (D22)

(C16) LSBIT T7 (B14)
74S86
(C16) MR01
(C16) MR02
74145 75
(B14) RWS-

(C15) MR09 T7- (B14)
74S86 (B22) MA09
(D16) MR10
(D16) MR11
74145 74
(C12) MRC- RWS (B14)
74H00

(A23, B23, C23, D23)
XSPA
+5V R101 44.2, 1%
(B20) PXRS
RP20-9 220Ω
T30 20UH TYP
DM14-2
Q28
DM13-2
N/WS (B18)
DM15-1
(A22) XSØ
RP21-2 1K 1/4W
PIN 1 TYP (B20) PXRS
DM14-3
DM15-2
RP21-3 1K 1/4W
PIN 1 TYP (A23) XSPA
RP20-8 220Ω
Q28
DM13-3
(B18) N/WS
DM15-4
N/Ø (A22)
(B20) PXRS
DM14-4
DM15-10
(B22) XS2
RP21-4 1K 1/4W
(A23) XSPA
RP20-7 220Ω
Q28
DM13-4
N/WS (B18)
DM15-5
XS3
(B20) PXRS
DM14-5
DM15-11
RP21-5 1K 1/4W
(A23) XSPA
RP20-6 220Ω
Q28
DM13-5
(B18) N/WS
DM15-8
XS2 (B22)
(B20) PXRS
DM14-6
DM16-14
(C22) XS4
RP21-7 1K 1/4W
(A23) XSPA
RP20-5 220Ω
T31 20UH TYP
Q29
DM13-6
N/WS (B18)
DM16-1
XS5
(B20) PXRS
DM14-7
DM16-15
RP21-8 1K 1/4W
(A23) XSPA
RP20-4 220Ω
Q29
DM13-7
N/WS (B18)
DM16-4
XS4 (B22)
(B20) PXRS
DM14-8
DM16-10
XS6 (D22)
RP21-9 1K 1/4W
(A23) XSPA
RP20-3 220Ω
T31
Q29
DM13-8
N/WS
DM16-5
XS7
(B20) PXRS
DM14-9
DM16-11
RP21-10 1K 1/4W
PIN 1 TYP
(A23) XSPA
RP20-2 220Ω
T31
Q29
DM13-9
N/WS (B18, D23)
DM16-8
XS6 (C22)

(A12) MRC (B14) RWS
74H00

(A21, B21,) (C21, D21)
XSPB
(B20) PXRS
+5V R102 44.2, 1%
RP14-9 220Ω
T24 20UH TYP
Q22
DM2-2
DM3-14
A2 XS8 (B21)
RP15-2 1K 1/4W
DM1-2
NXWS (B18)
DM3-1
A3 XS9
PIN 1 TYP (B20) PXRS
DM2-3
DM3-15
RP15-3 1K 1/4W
PIN 1 TYP (A21) XSPB
RP14-8 220Ω
Q22
DM1-3
NXWS (B18)
DM3-13
XS8 (A21)
(B20) PXRS
DM2-4
DM3-7
A4 XS10 (B21)
RP15-4 1K 1/4W
(A21) XSPB
RP14-7 220Ω
Q22
DM1-4
NXWS (B18)
DM3-12
A5 XS11
(B20) PXRS
DM2-5
DM3-6
RP15-5 1K 1/4W
(A21) XSPB
RP14-6 220Ω
Q22
DM1-5
NXWS (B18)
DM3-9
XS10 (B21)
(B20) PXRS
DM2-6
DM4-3
B2 XS12 (C21)
RP15-7 1K 1/4W
(A21) XSPB
RP14-5 220Ω
T25 20UH TYP
Q23
DM1-6
NXWS (B18)
DM4-16
B3 XS13
(B20) PXRS
DM2-7
DM4-2
RP15-8 1K 1/4W
(A21) XSPB
RP14-4 220Ω
Q23
DM1-7
NXWS (B18)
DM4-13
XS12 (B21)
(B20) PXRS
DM2-8
DM4-7
B4 XS14 (D21)
RP15-9 1K 1/4W
(A21) XSPB
RP14-3 220Ω
Q23
DM1-8
NXWS (B18)
DM4-12
B5 XS15
(B20) PXRS
DM2-9
DM4-6
RP15-10 1K 1/4W
PIN 1 TYP
(A21) XSPB
RP14-2 220Ω
Q23
DM1-9
PIN 1 TYP NXWS (B18)
DM4-9
XS14 (C21)

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SIZE	75-53526-XX	REV
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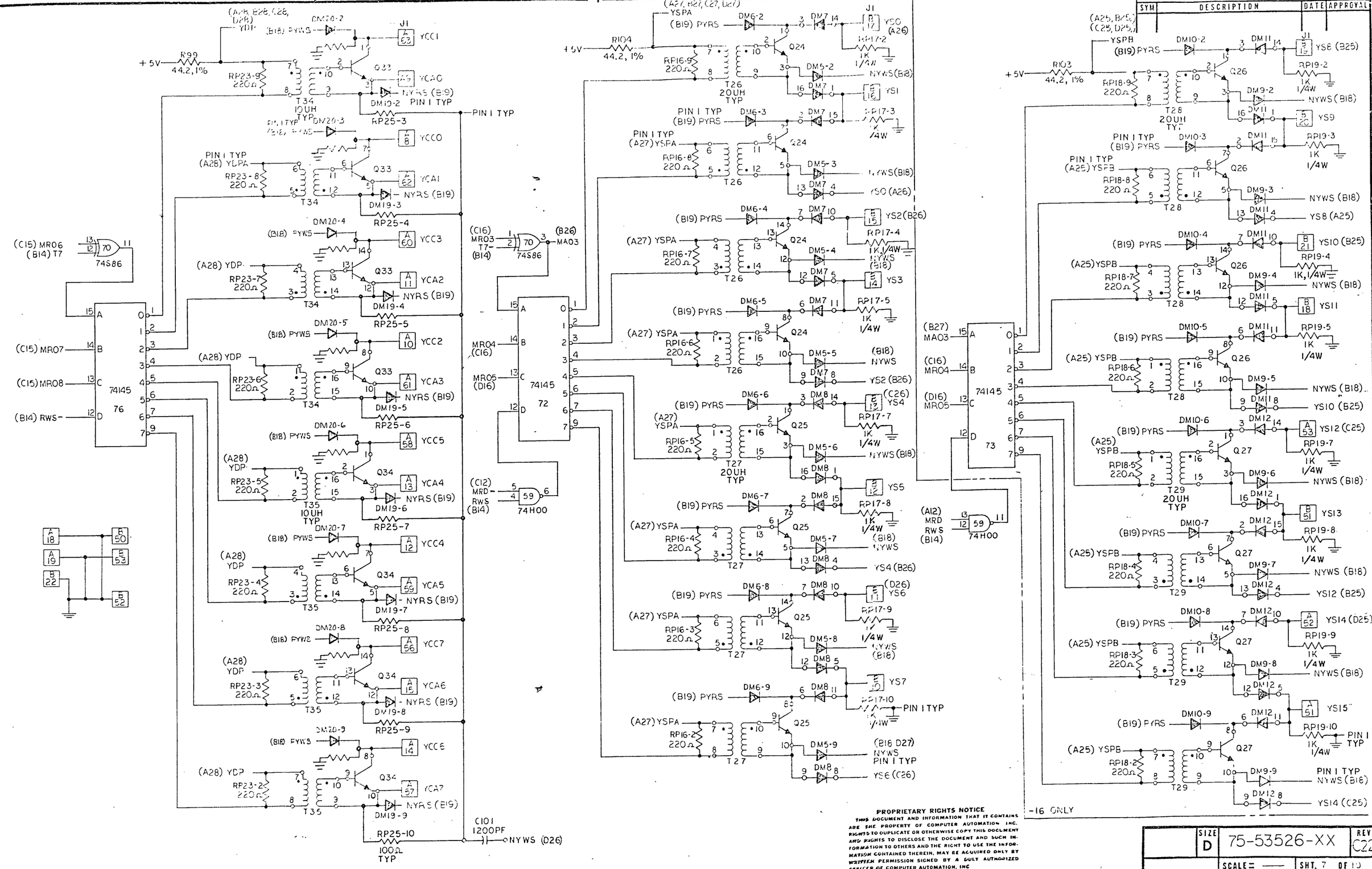
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL



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REVISIONS			
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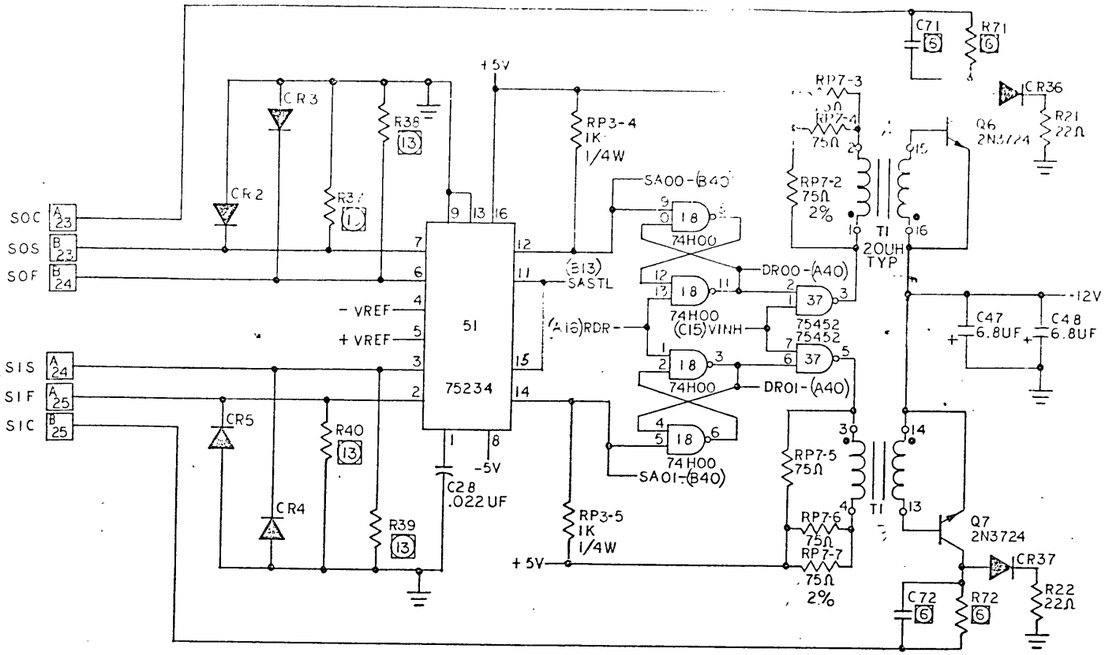

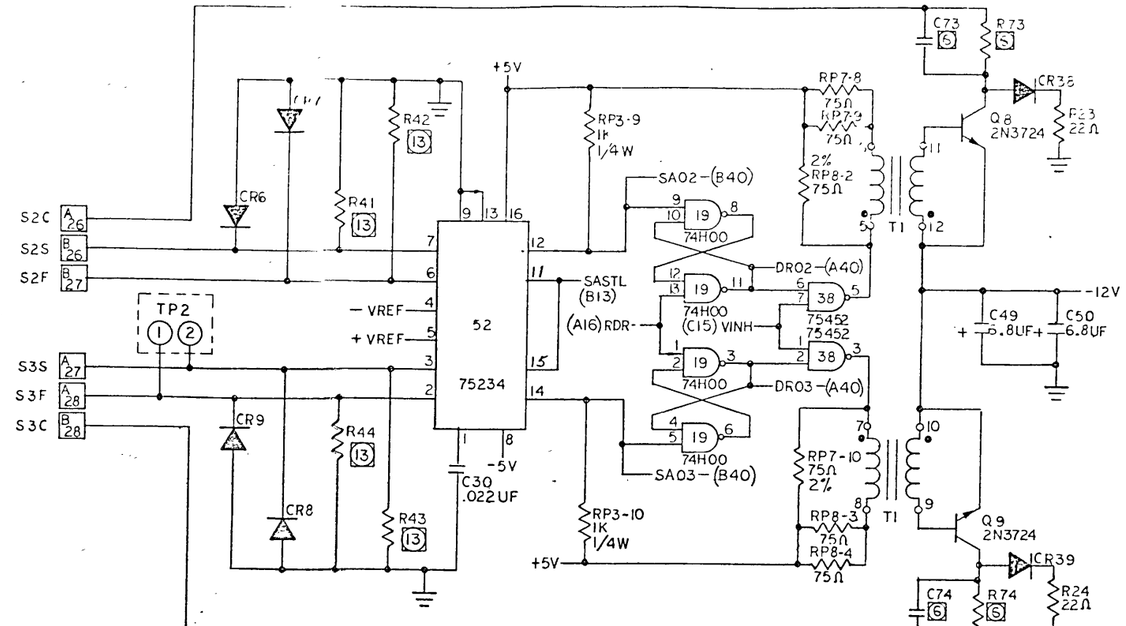

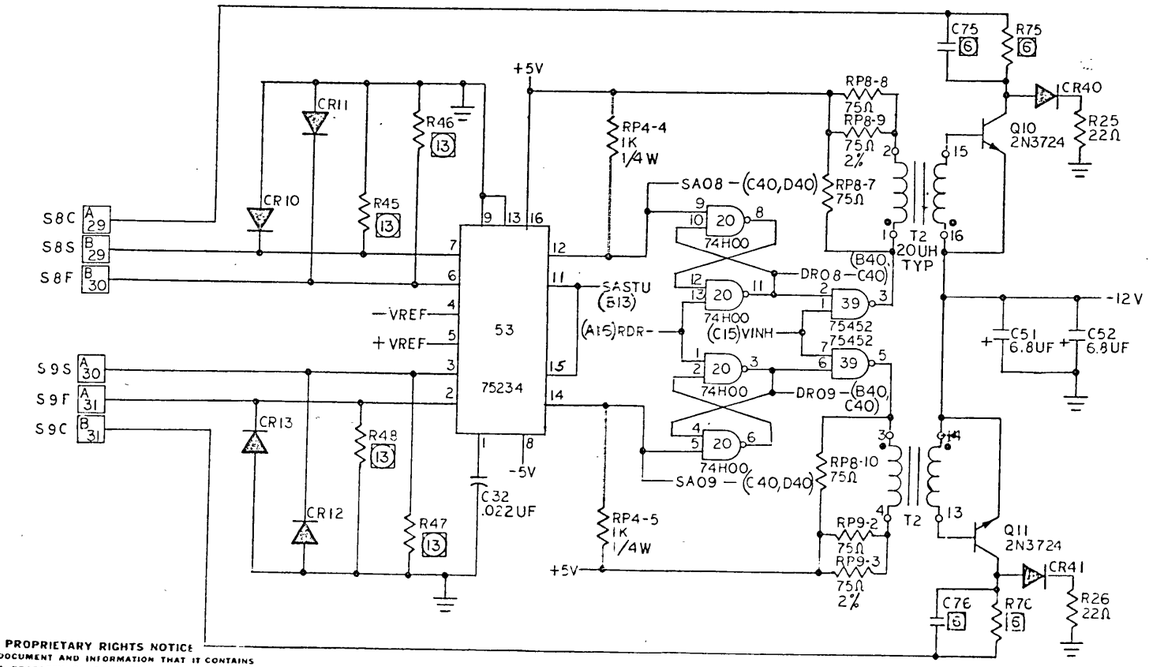

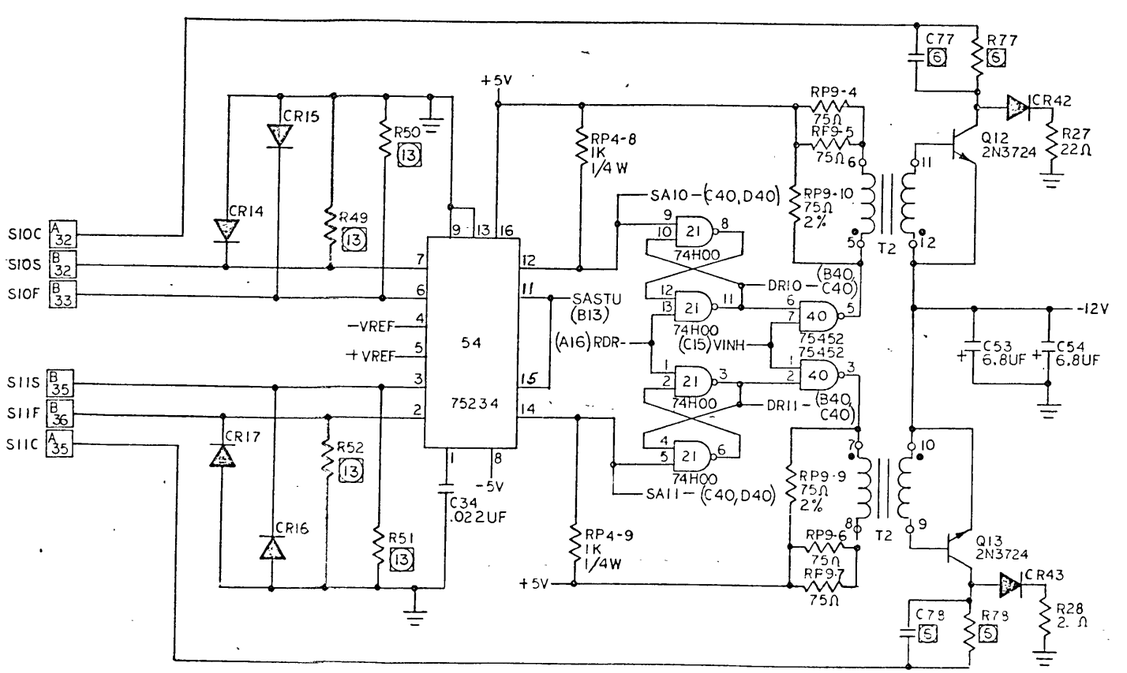

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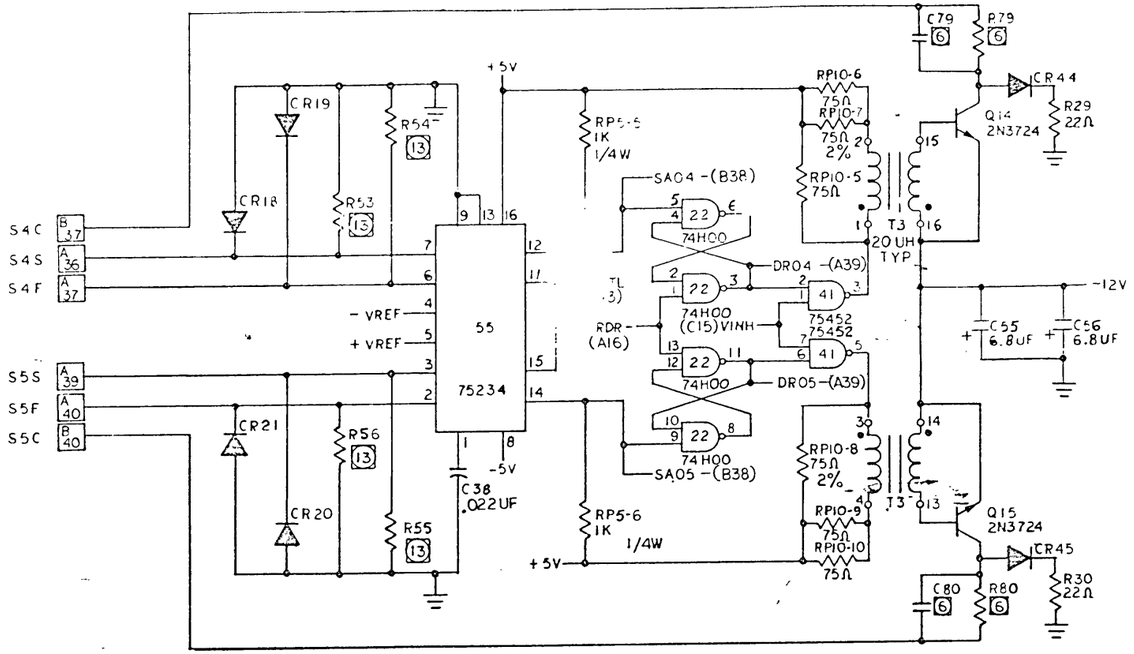

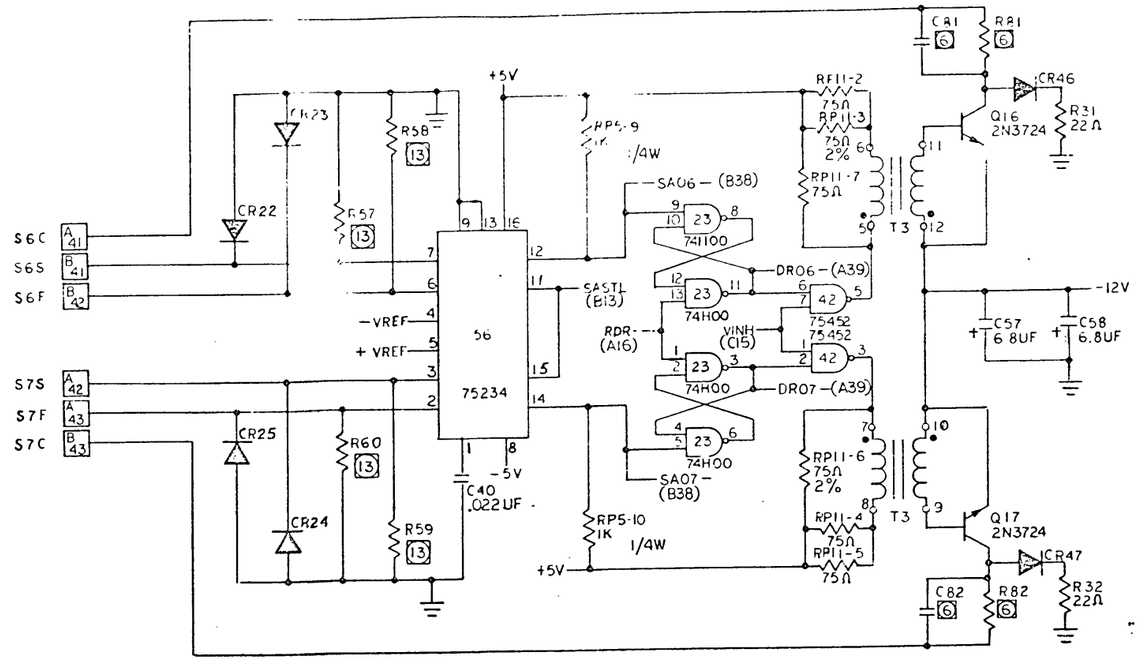

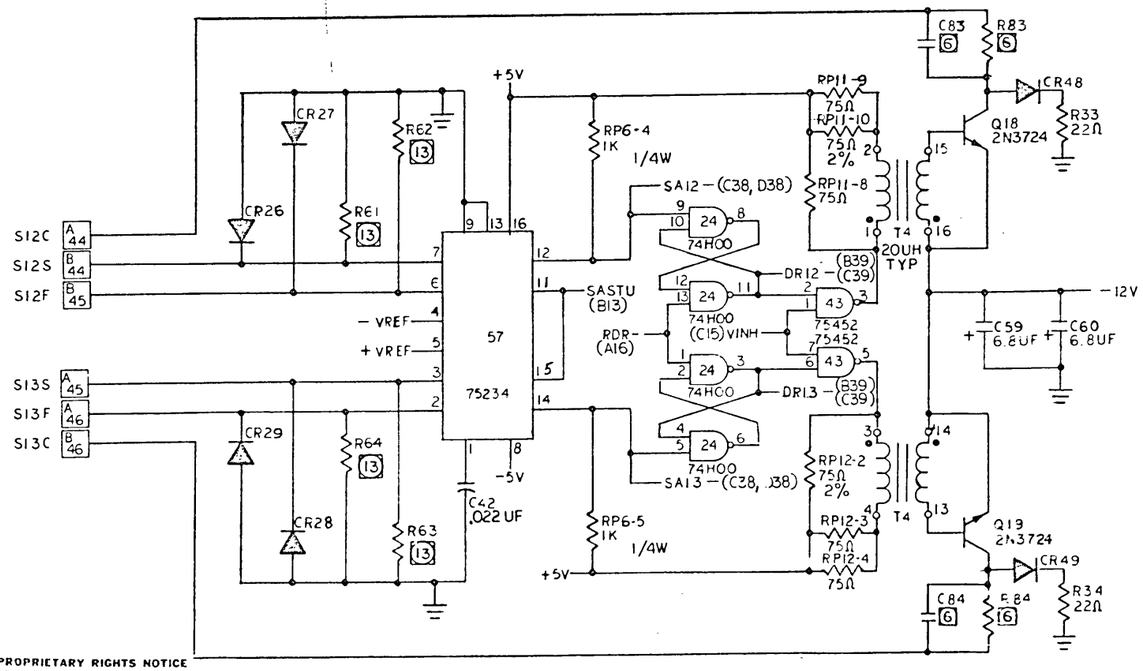

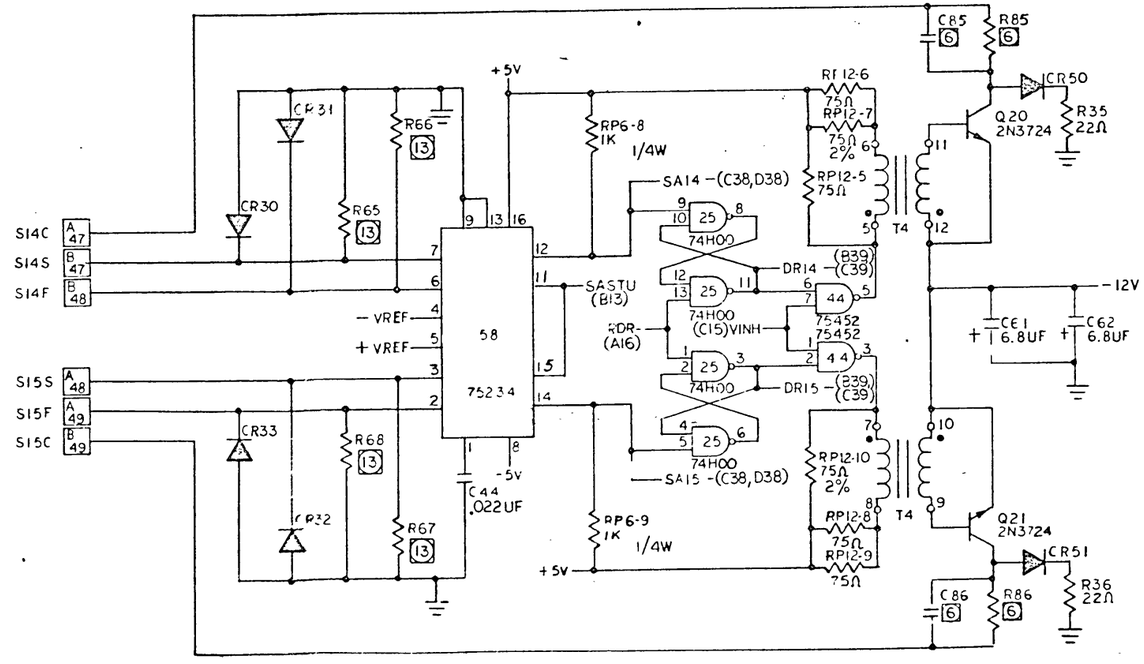

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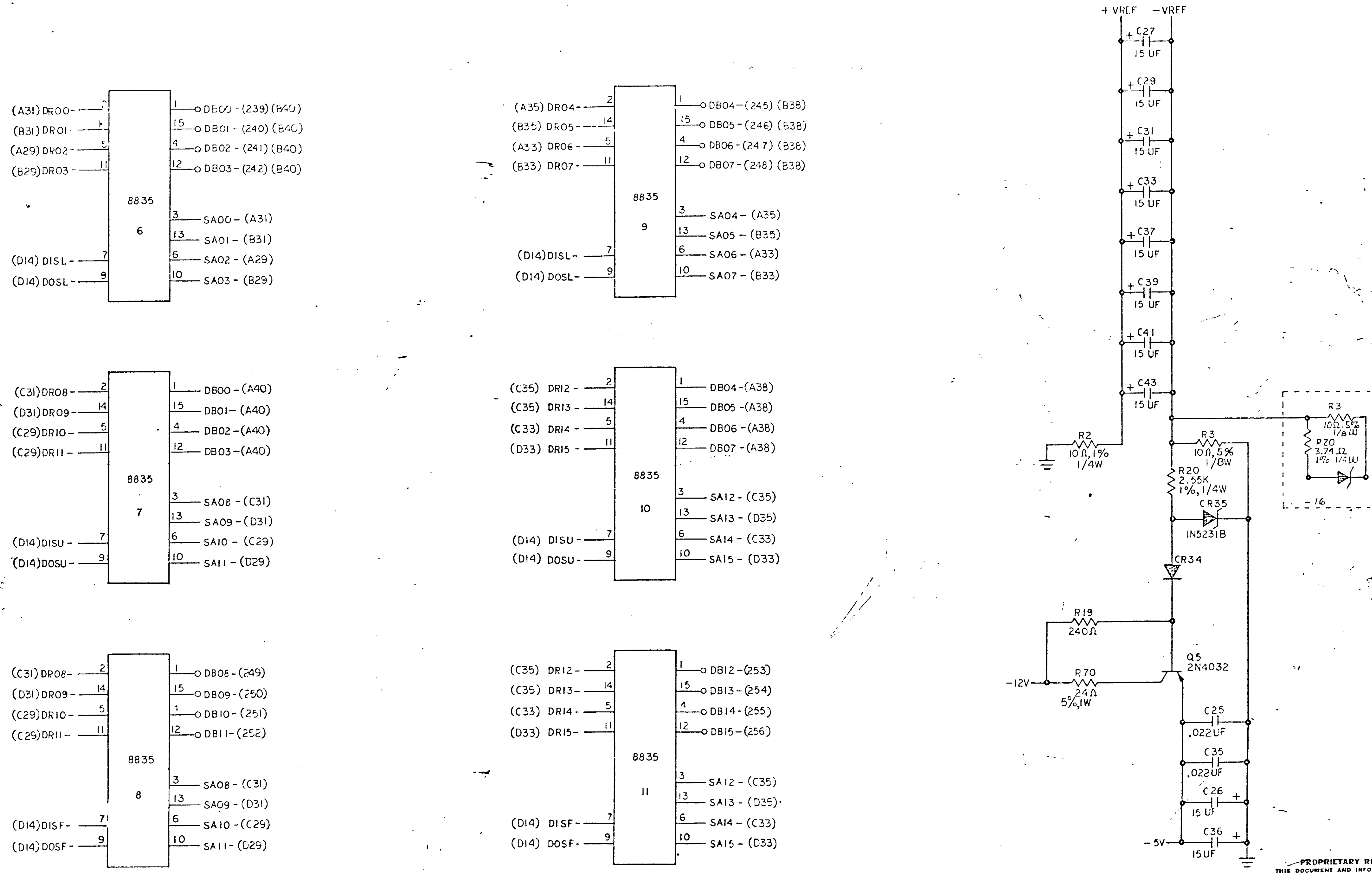

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SCALE — SHT. 10 OF 10