UNIVAC | 1900/10 KEYSTATION TYPE 3555
MM-3555-00,-01 | BOOK ____
OF ________

DESIGN REFERENCE MANUAL
1900/10 CADE SYSTEM
MODEL 3555 KEYSTATION

PERTEC

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111537

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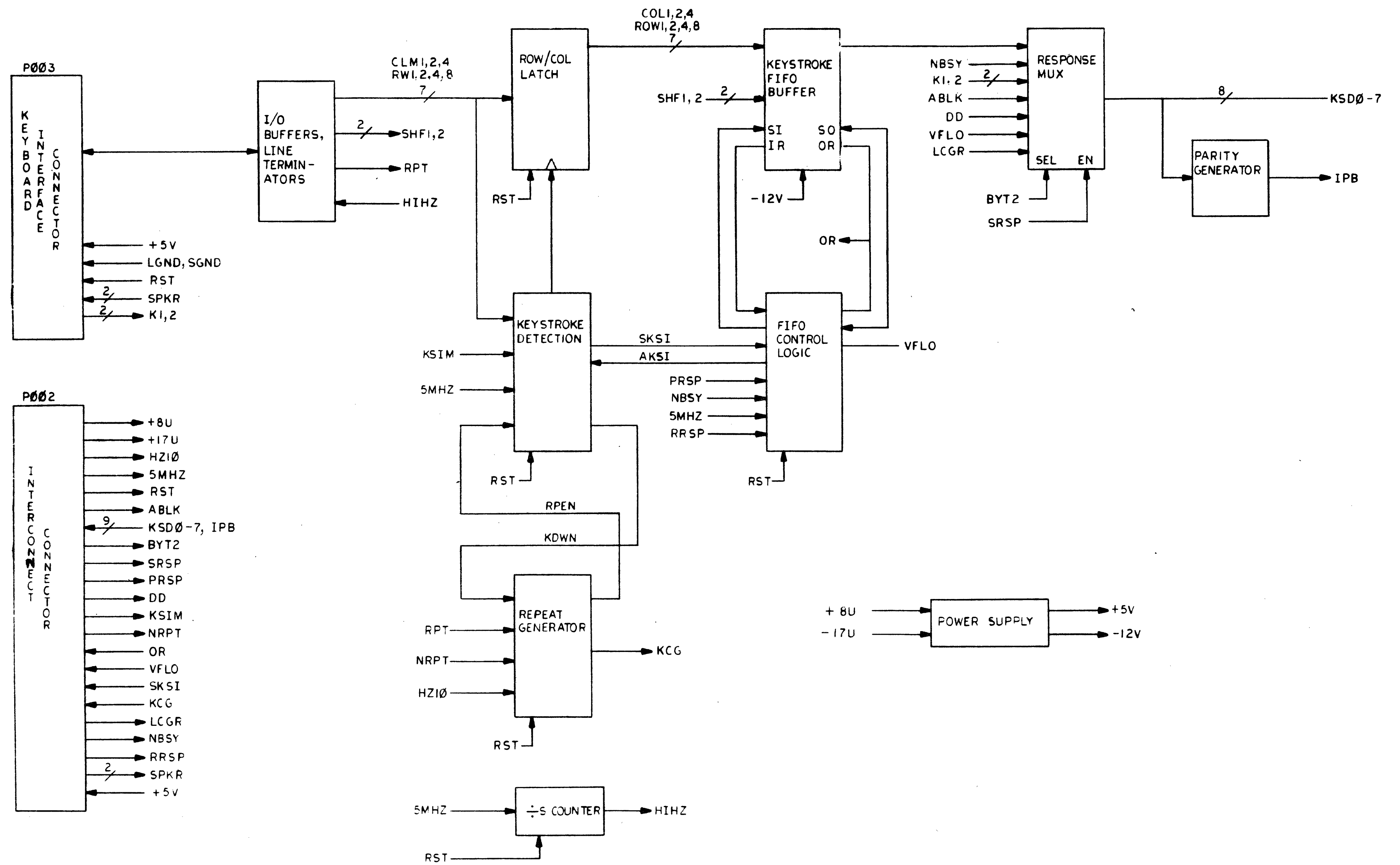
MANUAL 111537-02
April 28, 1980

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 285-77		EB	4/13/77
02	ADDED REF DESIGNATIONS		TS EB	5/9/77
03	REDRAWN TO PERTEC FORMAT	[illegible]	TS EB	7/22/77
04	REVISED PER ENG. INPUT	MP	TS EB	11/22/77
05	CODE 05 REL W/O CHG PER DRO [illegible]	DW	EB	1/18/78
06	CODE 06 REL W/CHANGE PER DCO 06865	TC	EB	2/17/78
07	INCORP DCO 06890	TC	TLR EB	3/17/78
08	INCORP DCO 7976	F.C.	TLR EB	9/14/78
09	INCORP. DCO 08697	LW	EB	2/15/79
10	CODE 10 RELEASE W/O CHANGE PER DCO 10869	KA	EB	6/19/80



KEYBOARD INTERFACE FUNCTIONAL BLOCK DIAGRAM

NOTE: UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE IN OHMS, ±10%, 1/4W
2. 5B SHOWN AS REF FOR POSSIBLE FUTURE REQUIREMENTS

REV STATUS OF SHEETS	SHEET	1	2	3	4	5
	REV	10	10	10	10	10

		3143	—
26057	1	4143	—
NEXT ASSY	QTY	MODEL	QTY

APPLICATION

DRAWN	L. NOTAR	4-13-77
CHECK	H. ATWELL	4-1-
APPR	T. STEPHENSON	4-13-77
RELEASE	G. [illegible]	4-13-77

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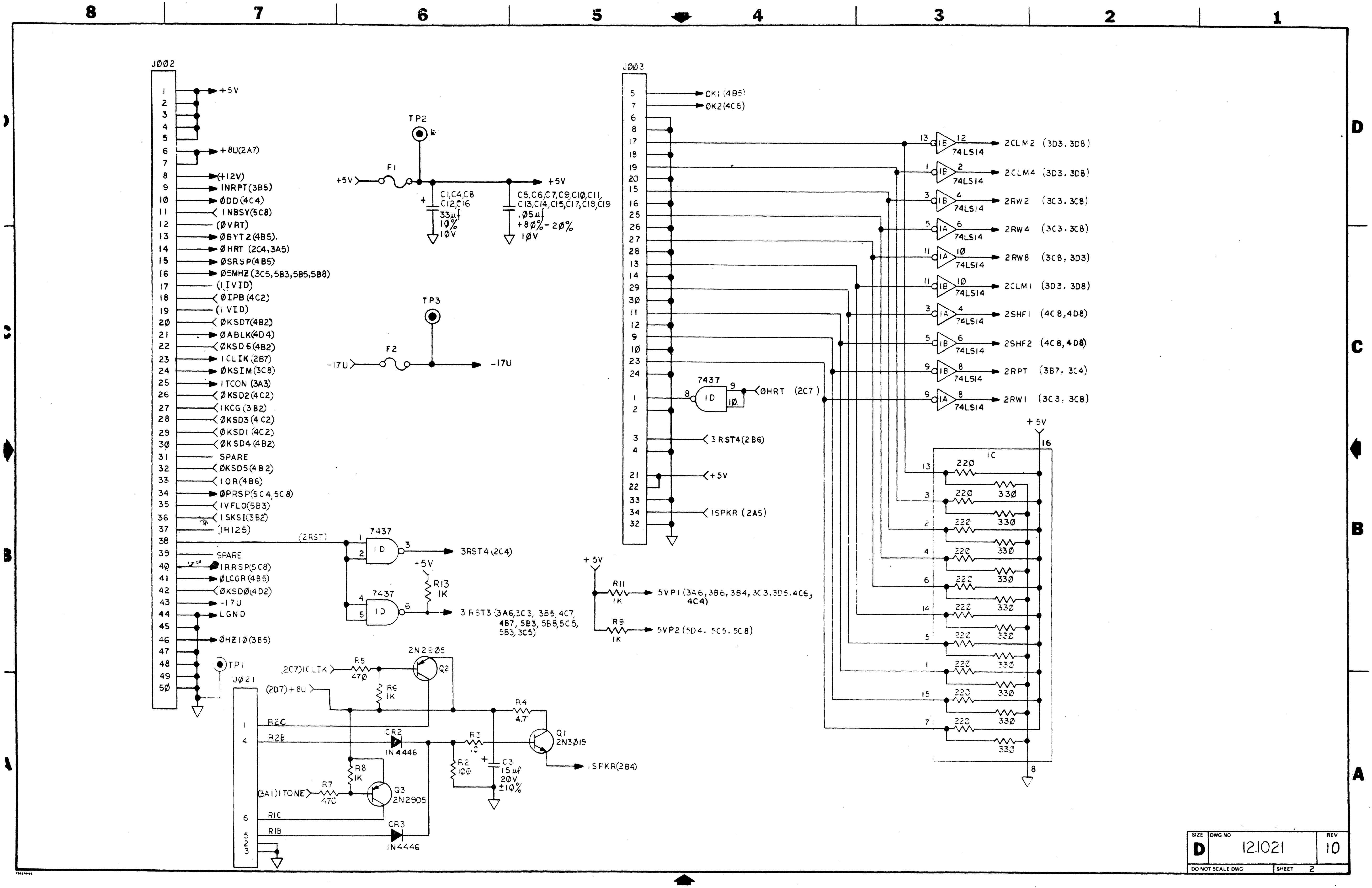
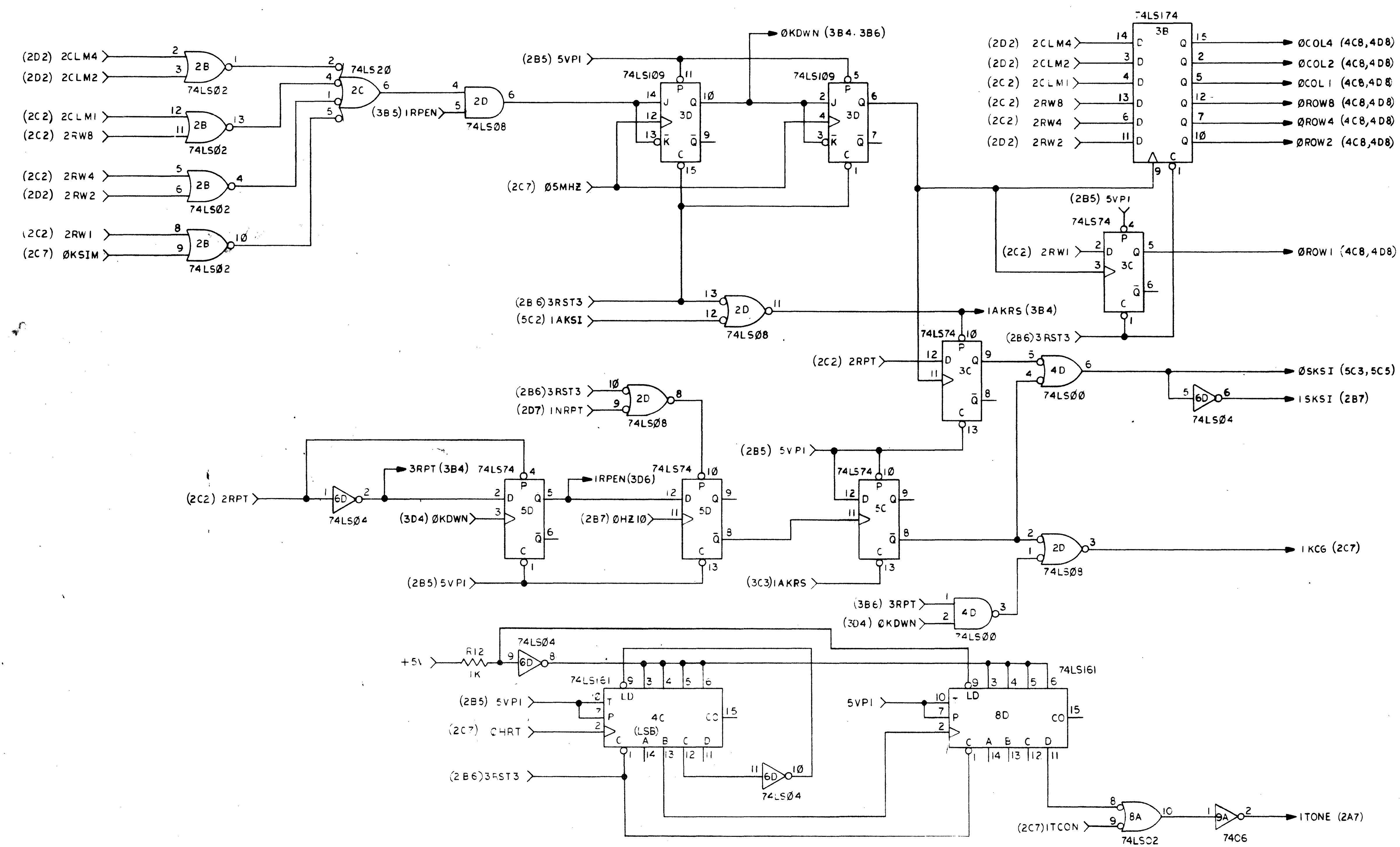
PBS BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE SCHEMATIC. KEYBOARD INTERFACE

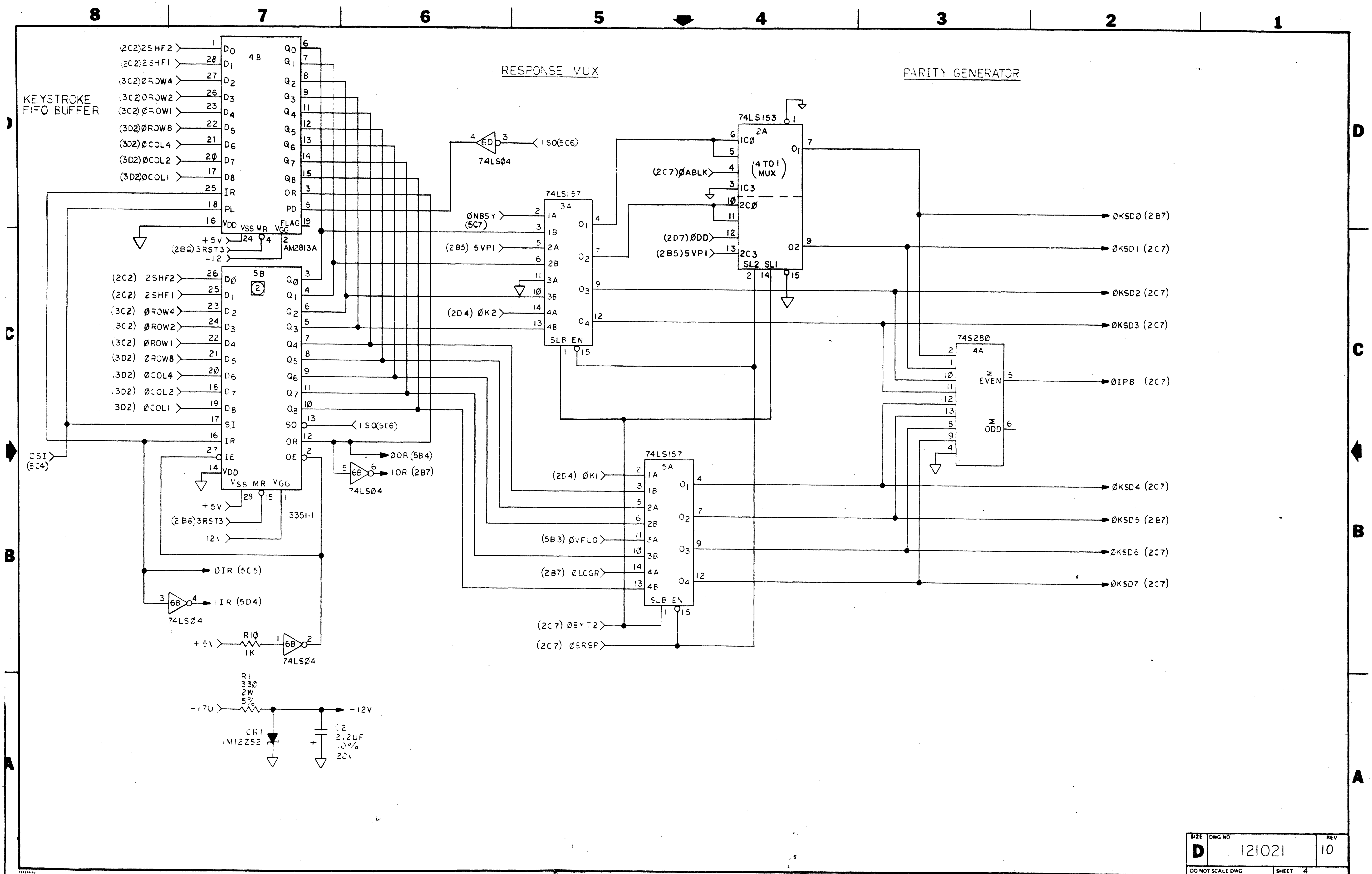
CODE IDENT. NO. | DC CODE 10 | SIZE D | DWG NO 121021 | REV 10

SCALE — | DO NOT SCALE DWG | SHEET 1 OF 5


8 7 6 5 4 3 2 1
D C B A
J002
1 2 3 4 5 +5V
6 7 +8U(2A7)
8 (+12V)
9 INRPT(3B5)
10 ØDD(4C4)
11 INBSY(5C8)
12 (ØVRT)
13 ØBYT2(4B5)
14 ØHRT (2C4,3A5)
15 ØSRSP(4B5)
16 Ø5MHZ(3C5,5B3,5B5,5B8)
17 (I IVID)
18 ØIPB(4C2)
19 (I VID)
20 ØKSD7(4B2)
21 ØABLK(4D4)
22 ØKSD6(4B2)
23 ICLIK (2B7)
24 ØKSIM(3C8)
25 ITCON (3A3)
26 ØKSD2(4C2)
27 IKCG(3B2)
28 ØKSD3(4C2)
29 ØKSD1 (4C2)
30 ØKSD4(4B2)
31 SPARE
32 ØKSD5(4B2)
33 IOR(4B6)
34 ØPRSP(5C4,5C8)
35 IVFLO(5B3)
36 ISKSI(3B2)
37 (IH125)
38 (2RST)
39 SPARE
40 IRRSP(5C8)
41 ØLCGR(4B5)
42 ØKSDØ(4D2)
43 -17U
44 45 LGND
46 ØHZ10(3B5)
47 48 49 50
TP1
TP2
+5V F1 +5V
C1,C4,C8 C12,C16 33µf 10% 10V
C5,C6,C7,C9,C10,C11, C13,C14,C15,C17,C18,C19 .05µf +80%-20% 10V
TP3
-17U F2 -17U
7437 1D 3RST4(2C4)
+5V R13 1K
7437 1D 3RST3(3A6,3C3,3B5,4C7, 4B7,5B3,5B8,5C5, 5B3,3C5)
J021
(2C7)ICLIK R5 470 R6 1K 2N2905 Q2
(2D7)+8U
R4 4.7
R2C R2B CR2 1N4446 R3 10 R2 100 C3 15µf 20V ±10%
Q1 2N3015 SFKR(2B4)
R8 1K
(3A1)ITONE R7 470 Q3 2N2905
R1C R1B CR3 1N4446
J003
5 ØK1(4B5)
7 ØK2(4C6)
7437 1D ØHRT (2C7)
3 RST4(2B6)
+5V
ISPKR (2A5)
+5V R11 1K 5VP1(3A6,3B6,3B4,3C3,3D5,4C6, 4C4)
R9 1K 5VP2(5D4,5C5,5C8)
74LS14 2CLM2 (3D3,3D8)
74LS14 2CLM4 (3D3,3D8)
74LS14 2RW2 (3C3,3C8)
74LS14 2RW4 (3C3,3C8)
74LS14 2RW8 (3C8,3D3)
74LS14 2CLM1 (3D3,3D8)
74LS14 2SHF1 (4C8,4D8)
74LS14 2SHF2 (4C8,4D8)
74LS14 2RPT (3B7,3C4)
74LS14 2RW1 (3C3,3C8)
+5V 1C 220 330
SIZE D DWG NO 121021 REV 10
DO NOT SCALE DWG SHEET 2



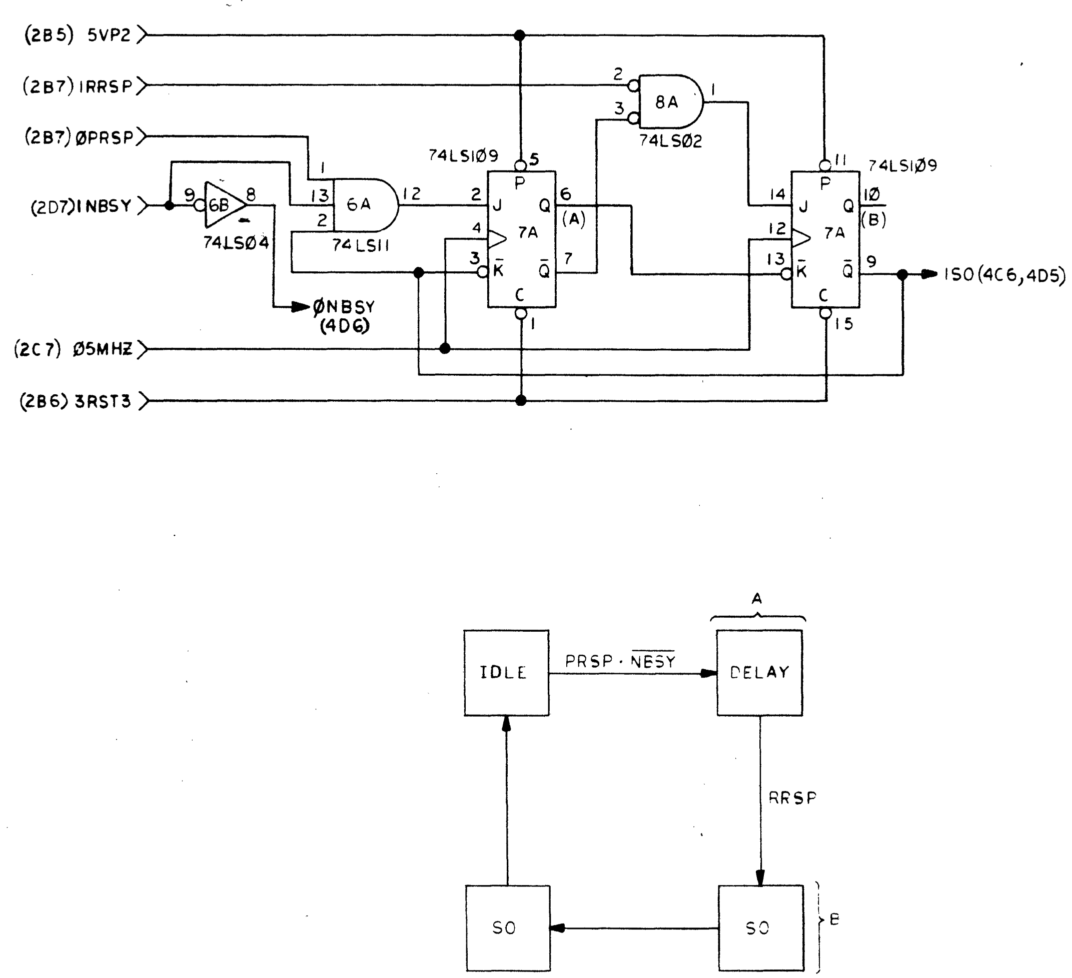
SIZE	DWG NO	REV
D	121021	10
DO NOT SCALE DWG	SHEET 3	



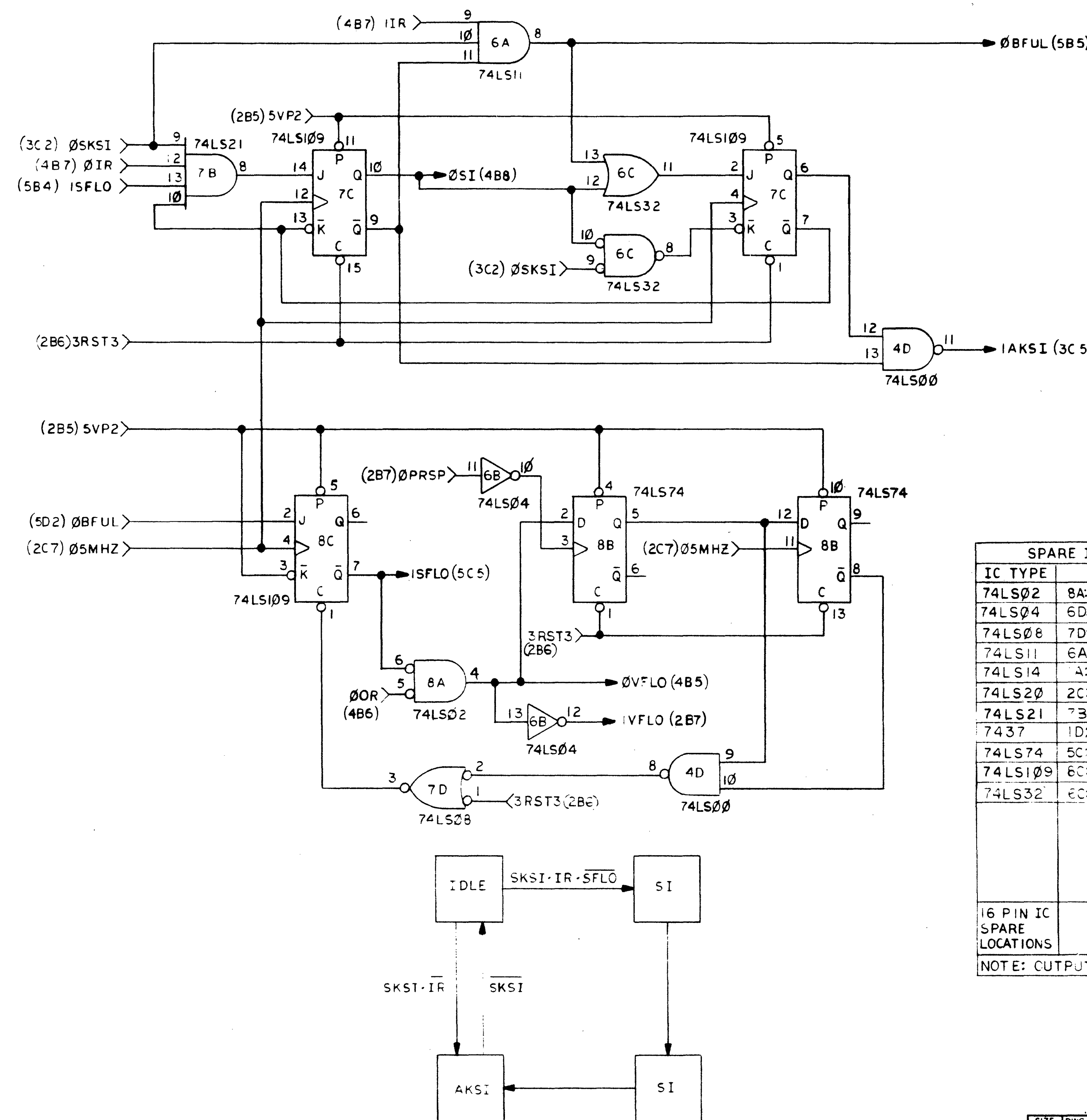
SIZE	DWG NO	REV
D	121021	10

DO NOT SCALE DWG SHEET 4

FIFO OUTPUT CONTROL



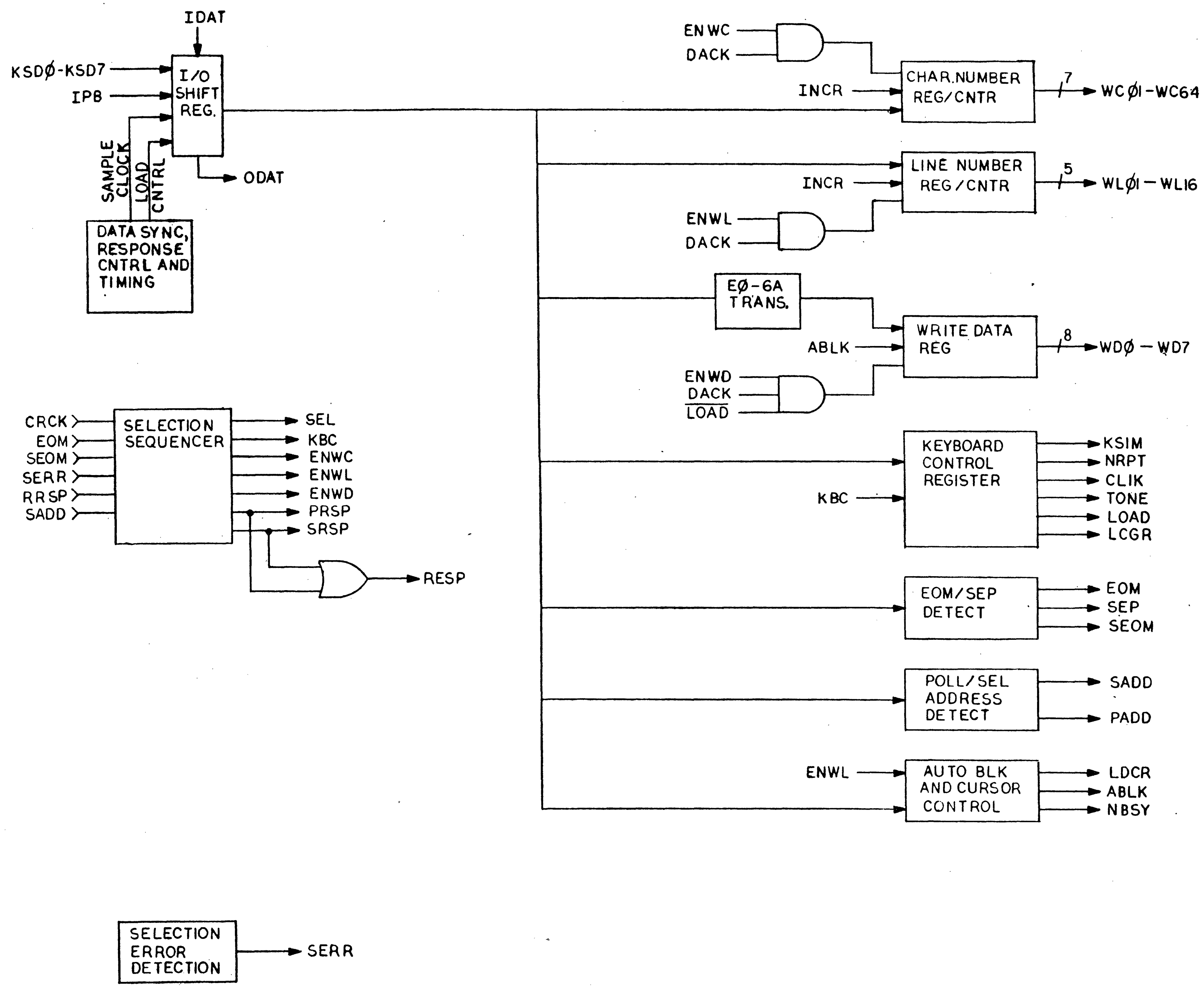
FIFO INPUT CONTROL



SPARE IC BLOCK	
IC TYPE	SPARE GATES
74LSØ2	8A: 11, 12, 13
74LSØ4	6D: 13, 12
74LSØ8	7D: 4, 5, 6; 13, 12, 11; 1Ø, 9, 8
74LS11	6A: 3, 4, 5, 6
74LS14	A: 1, 2; 13, 12
74LS2Ø	2C: 13, 12, 1Ø, 9, 8
74LS21	7B: 1, 2, 4, 5, 6
7437	1D: 13, 12, 11
74LS74	5C: 1, 2, 3, 4, 5, 6
74LS1Ø9	6C: 15, 14, 13, 12, 11, 1Ø, 9
74LS32	6C: 1, 2, 3; 4, 5, 6
16 PIN IC SPARE LOCATIONS	9B, 9C, 9D
NOTE: OUTPUT PIN IS CIRCLED	

SIZE	DWG NO	REV
D	121021	10
DO NOT SCALE DWG	SHEET 5	

BLOCK DIAGRAM – COAX INTERFACE



REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 270-77		EB	4-7-77
02	ADDED REF DESIGNATIONS AND REVISED PIN NOS.	NK	EB TS	7-12-77
03	REDRAWN TO PERTEC FORMAT. ADDED BLOCK DIAGRAM ON SHT 1, NO OTHER CHANGES	RN	TUR TS EB	9/15/77
04	REVISED PER ENG RED LINE	EN	TS EB	11/17/77
05	CODE 06 REL WITH CHANGES PER DCO 06885	T.C.	TUR EB	3/15/78
06	INCORP DCO 07043	[illegible]	EB	4/12/78
07	INCORP DCO 07719	[illegible]	EB	2/4/78
08	INCORP DCO 07832	[illegible]	EB	3/14/78
09	INCORP DCO 08072	[illegible]	TUR EB	10/19/78
10	INCORP DCO 08957	MV	EB	3/30/79
11	INCORP DCO 09458	[illegible]	EB	9/11/79

NOTE: UNLESS OTHERWISE SPECIFIED

1 ALL RESISTORS ARE IN OHMS 10% 1/4W

REV STATUS OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9
	REV	11	10	07	06	09	11	09	11	06

DRAWN	L. NOTAR	4/7/77
CHECK	H ATWELL	4/7/77
APPR	T STEPHENSON	4/7
RELEASE	C BRINK	4/7/77

NEXT ASSY	QTY	MODEL	QTY
261061	1	4143	1

APPLICATION

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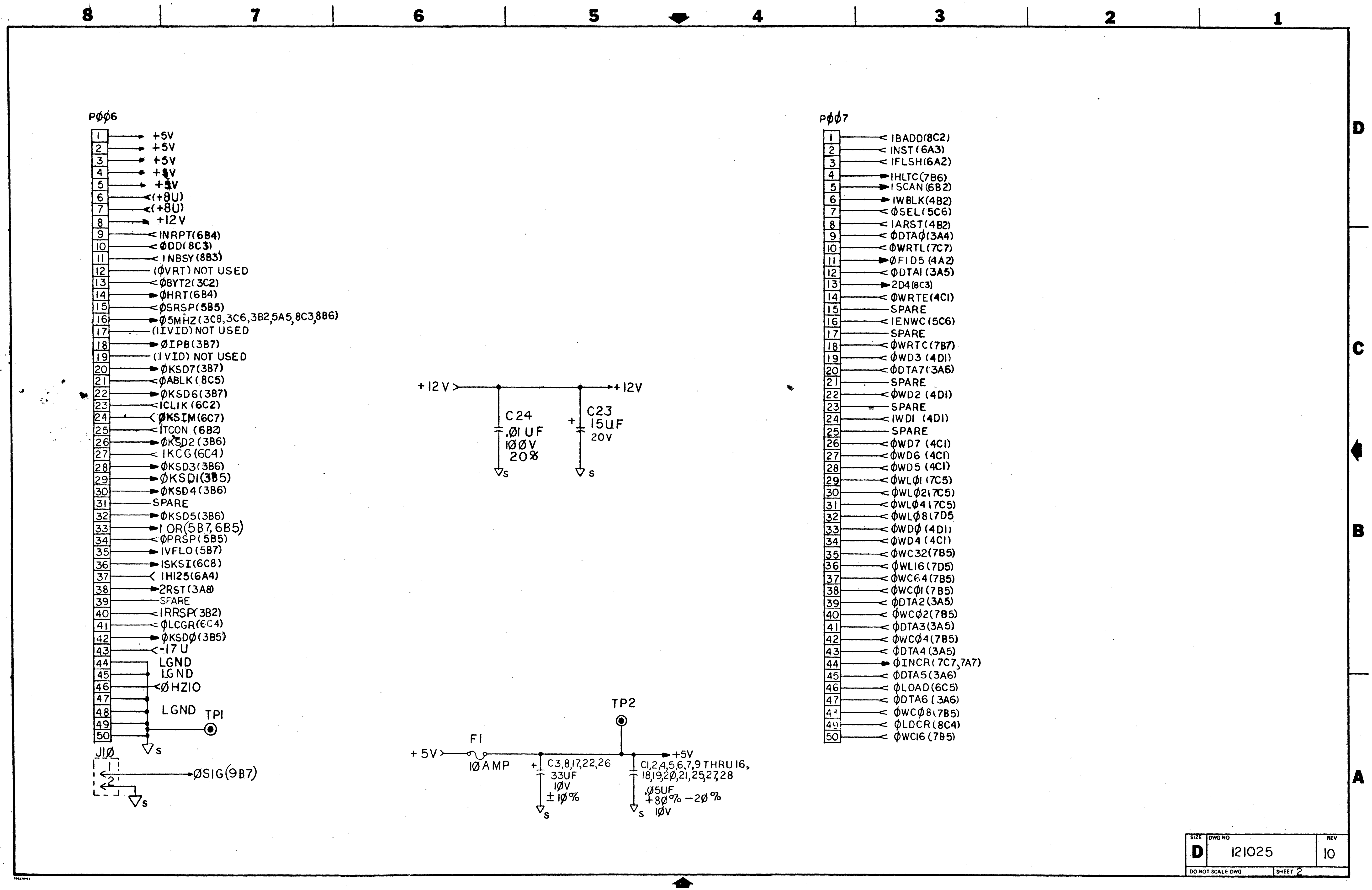
PEC BUSINESS SYSTEMS

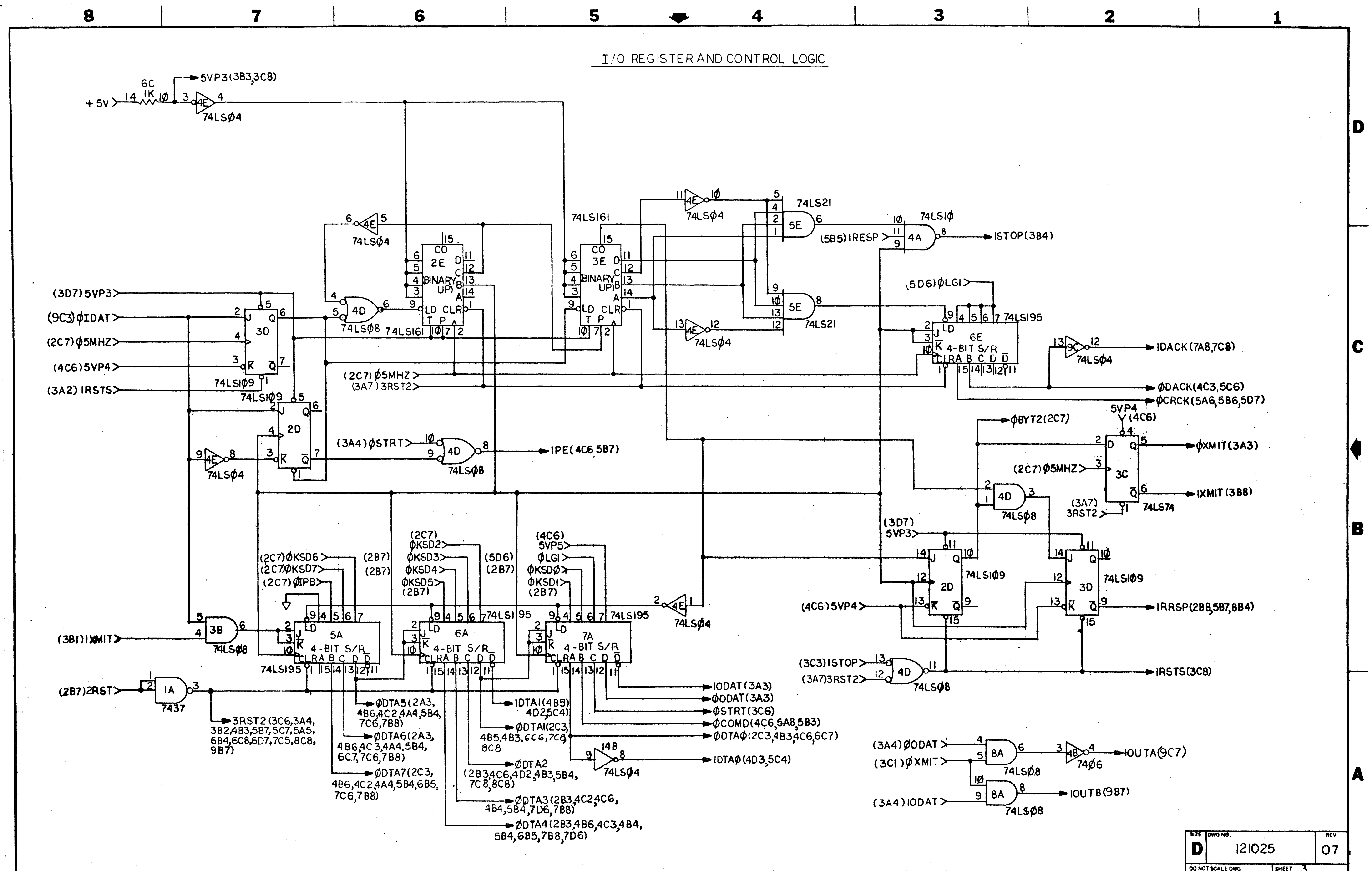
TITLE SCHEMATIC, PC BA COAX INTERFACE

CODE IDENT. NO. | DC CODE 06 | SIZE D | DWG NO 121025 | REV 11

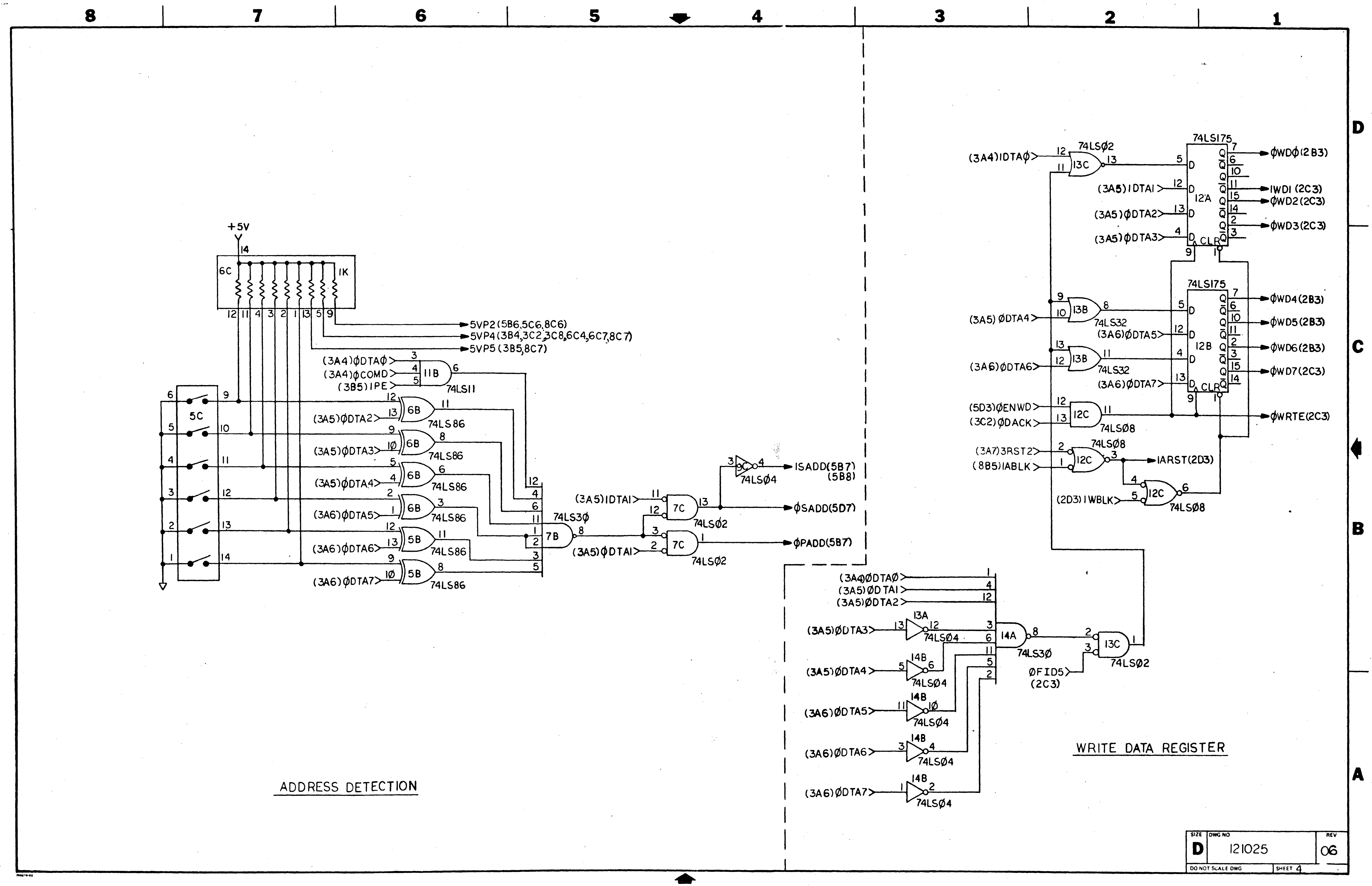
SCALE — | DO NOT SCALE DWG | SHEET 1 OF 9



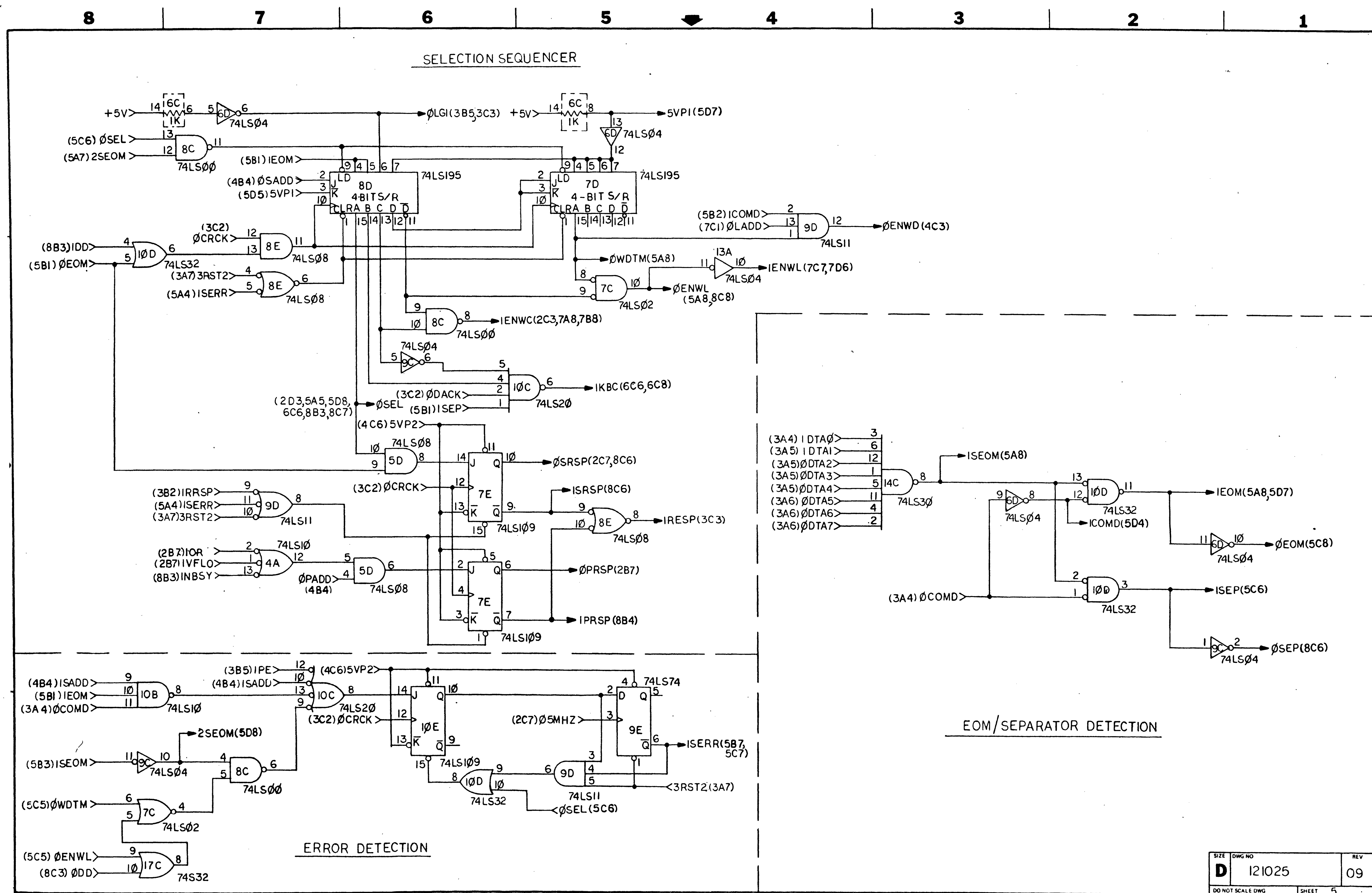
8 7 6 5 4 3 2 1
D C B A
PØØ6
1 +5V
2 +5V
3 +5V
4 +5V
5 +5V
6 (+8U)
7 (+8U)
8 +12V
9 INRPT(6B4)
10 ØDD(8C3)
11 INBSY(8B3)
12 (ØVRT) NOT USED
13 ØBYT2(3C2)
14 ØHRT(6B4)
15 ØSRSP(5B5)
16 Ø5MHZ(3C8,3C6,3B2,5A5,8C3,8B6)
17 (IIVID) NOT USED
18 ØIPB(3B7)
19 (1VID) NOT USED
20 ØKSD7(3B7)
21 ØABLK(8C5)
22 ØKSD6(3B7)
23 ICLIK(6C2)
24 ØKSIM(6C7)
25 ITCON (6B2)
26 ØKSD2(3B6)
27 IKCG(6C4)
28 ØKSD3(3B6)
29 ØKSDI(3B5)
30 ØKSD4(3B6)
31 SPARE
32 ØKSD5(3B6)
33 1 OR(5B7,6B5)
34 ØPRSP(5B5)
35 IVFLO(5B7)
36 ISKSI(6C8)
37 IHI25(6A4)
38 2RST(3A8)
39 SPARE
40 IRRSP(3B2)
41 ØLCGR(6C4)
42 ØKSDØ(3B5)
43 -17U
44 LGND
45 LGND
46 ØHZIO
47
48 LGND
49
50
TP1
S
J1Ø
1
2
ØSIG(9B7)
S
+12V
+12V
C24
.Ø1UF
1ØØV
20%
C23
15UF
20V
S
S
TP2
+5V
F1
1ØAMP
+5V
C3,8,17,22,26
33UF
1ØV
±1Ø%
C1,2,4,5,6,7,9 THRU 16,
18,19,2Ø,21,25,27,28
.Ø5UF
+8Ø% -2Ø%
1ØV
S
S
PØØ7
1 IBADD(8C2)
2 INST(6A3)
3 IFLSH(6A2)
4 IHLTC(7B6)
5 ISCAN(6B2)
6 IWBLK(4B2)
7 ØSEL(5C6)
8 IARST(4B2)
9 ØDTAØ(3A4)
10 ØWRTL(7C7)
11 ØFID5(4A2)
12 ØDTA1(3A5)
13 2D4(8C3)
14 ØWRTE(4C1)
15 SPARE
16 IENWC(5C6)
17 SPARE
18 ØWRTC(7B7)
19 ØWD3(4D1)
20 ØDTA7(3A6)
21 SPARE
22 ØWD2(4D1)
23 SPARE
24 IWD1(4D1)
25 SPARE
26 ØWD7(4C1)
27 ØWD6(4C1)
28 ØWD5(4C1)
29 ØWLØ1(7C5)
30 ØWLØ2(7C5)
31 ØWLØ4(7C5)
32 ØWLØ8(7D5)
33 ØWDØ(4D1)
34 ØWD4(4C1)
35 ØWC32(7B5)
36 ØWL16(7D5)
37 ØWC64(7B5)
38 ØWCØ1(7B5)
39 ØDTA2(3A5)
40 ØWCØ2(7B5)
41 ØDTA3(3A5)
42 ØWCØ4(7B5)
43 ØDTA4(3A5)
44 ØINCR(7C7,7A7)
45 ØDTA5(3A6)
46 ØLOAD(6C5)
47 ØDTA6(3A6)
48 ØWCØ8(7B5)
49 ØLDCR(8C4)
50 ØWC16(7B5)
SIZE D
DWG NO 121025
REV 10
DO NOT SCALE DWG
SHEET 2



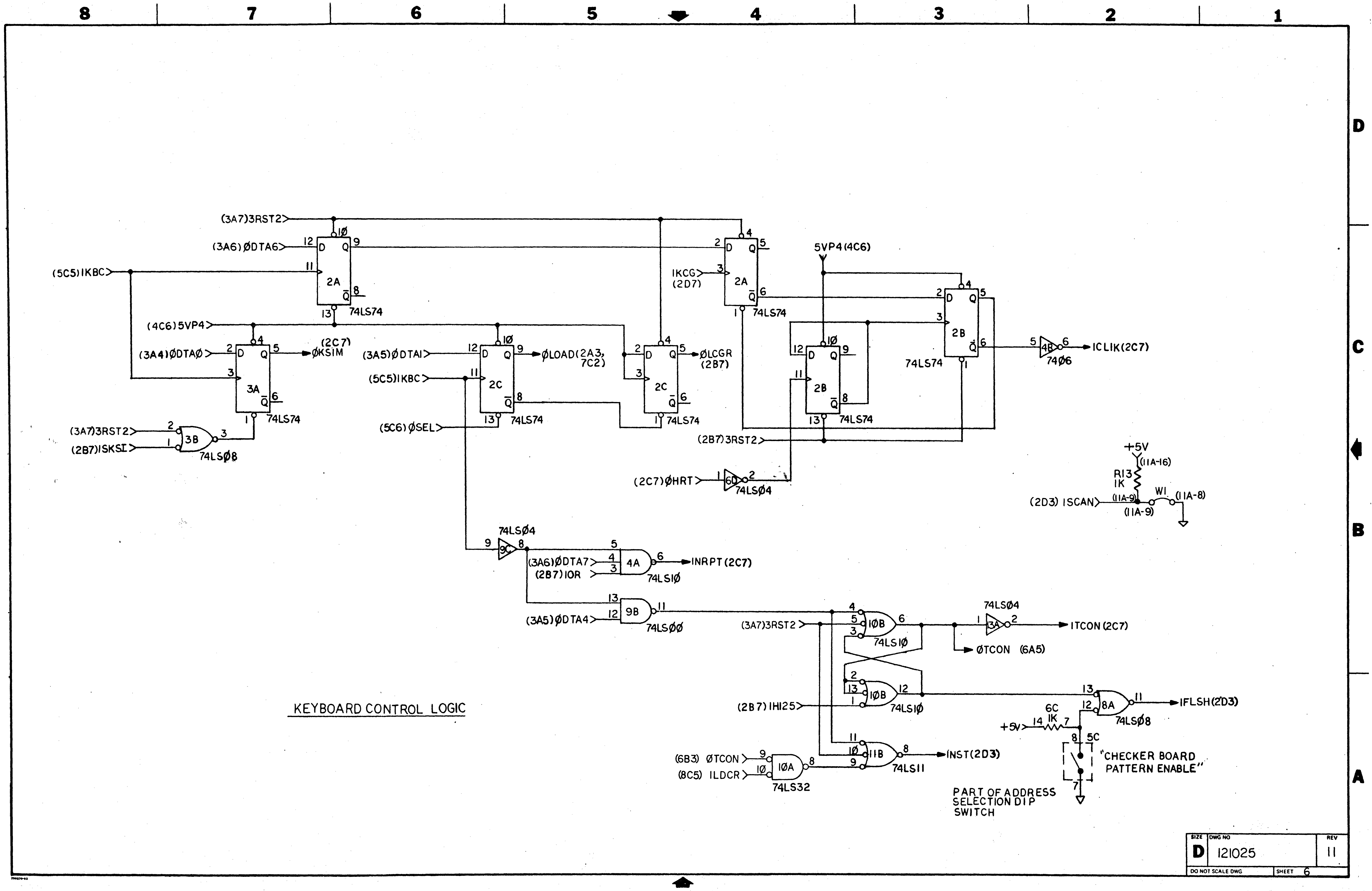
8
7
6
5
4
3
2
1
D
C
B
A
I/O REGISTER AND CONTROL LOGIC
+5V
6C
1K
5VP3(3B3,3C8)
74LSØ4
74LS161
74LS21
74LS1Ø
(5B5)IRESP
ISTOP(3B4)
(3D7)5VP3
(9C3)ØIDAT
(2C7)Ø5MHZ
(4C6)5VP4
(3A2) IRSTS
74LS1Ø9
74LSØ8
(3A4)ØSTRT
IPE(4C6,5B7)
(5D6)ØLGI
74LS195
4-BIT S/R
IDACK(7A8,7C8)
ØDACK(4C3,5C6)
ØCRCK(5A6,5B6,5D7)
(2C7)Ø5MHZ
(3A7)3RST2
ØBYT2(2C7)
5VP4
(4C6)
ØXMIT(3A3)
IXMIT(3B8)
74LS74
(3D7)
5VP3
IRRSP(2B8,5B7,8B4)
(3C3)ISTOP
(3A7)3RST2
IRSTS(3C8)
(3B1)IXMIT
(2B7)2RST
7437
3RST2(3C6,3A4,3B2,4B3,5B7,5C7,5A5,6B4,6C8,6D7,7C5,8C8,9B7)
(2C7)ØKSD6
(2C7)ØKSD7
(2C7)ØIPB
(2B7)
(2C7)
ØKSD2
ØKSD3
ØKSD4
ØKSD5
(5D6)
(4C6)
5VP5
ØLGI
ØKSDØ
ØKSD1
ØDTA5(2A3,4B6,4C2,4A4,5B4,7C6,7B8)
ØDTA6(2A3,4B6,4C3,4A4,5B4,6C7,7C6,7B8)
ØDTA7(2C3,4B6,4C2,4A4,5B4,6B5,7C6,7B8)
IDTA1(4B5,4D2,5C4)
ØDTA1(2C3,4B5,4B3,6C6,7C6,8C8)
ØDTA2(2B3,4C6,4D2,4B3,5B4,7C8,8C8)
ØDTA3(2B3,4C2,4C6,4B4,5B4,7D6,7B8)
ØDTA4(2B3,4B6,4C3,4B4,5B4,6B5,7B8,7D6)
IODAT(3A3)
ØODAT(3A3)
ØSTRT(3C6)
ØCOMD(4C6,5A8,5B3)
ØDTAØ(2C3,4B3,4C6,6C7)
IDTAØ(4D3,5C4)
(3A4)ØODAT
(3C1)ØXMIT
(3A4)IODAT
74Ø6
IOUTA(9C7)
IOUTB(9B7)
SIZE D
DWG NO. 121025
REV 07
DO NOT SCALE DWG
SHEET 3



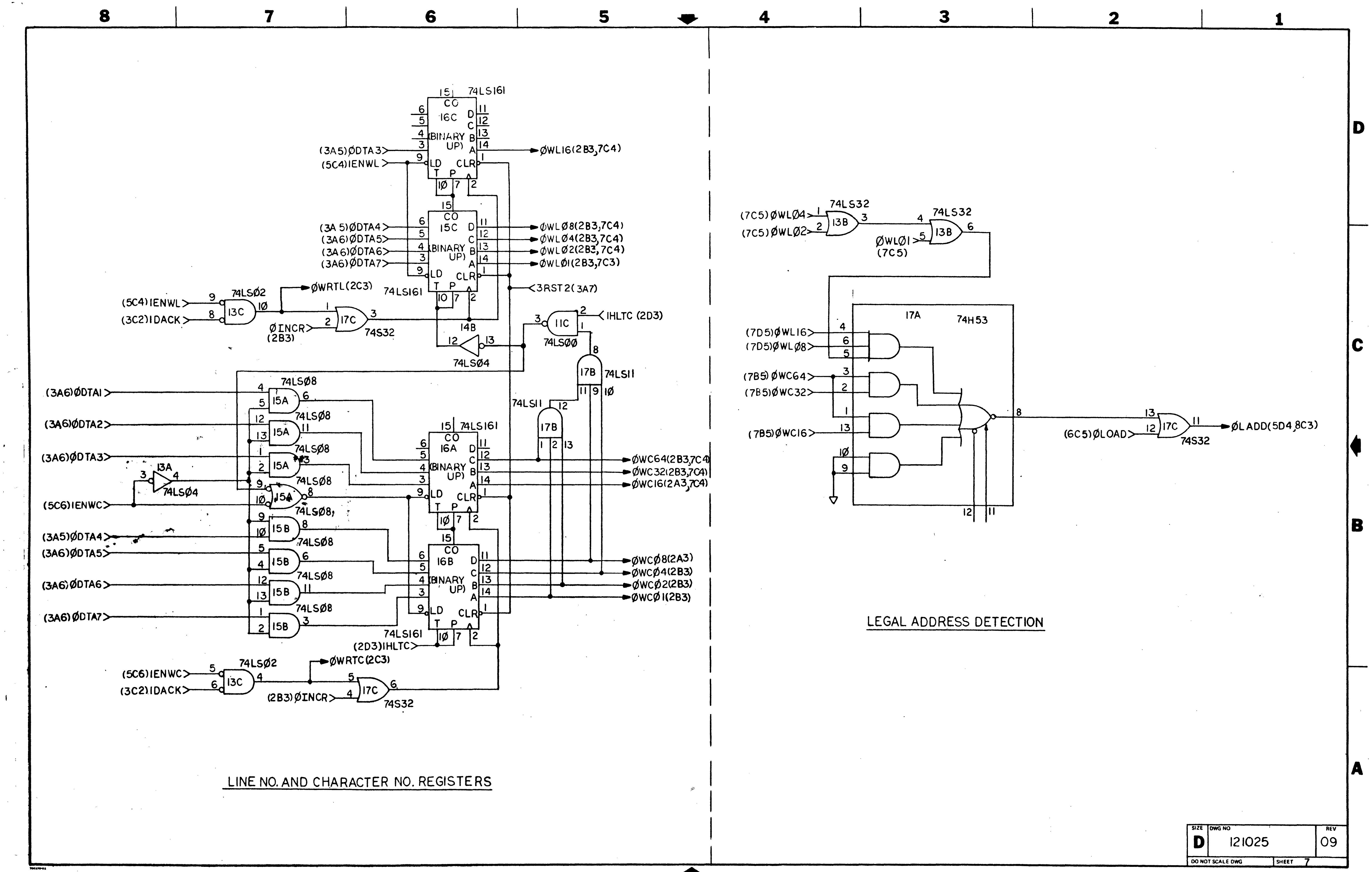
ADDRESS DETECTION
+5V
6C
1K
5C
5VP2 (5B6,5C6,8C6)
5VP4 (3B4,3C2,3C8,6C4,6C7,8C7)
5VP5 (3B5,8C7)
(3A4)ØDTAØ
(3A4)ØCOMD
(3B5)IPE
11B
74LS11
(3A5)ØDTA2
(3A5)ØDTA3
(3A5)ØDTA4
(3A6)ØDTA5
(3A6)ØDTA6
(3A6)ØDTA7
6B
5B
74LS86
74LS3Ø
7B
(3A5)IDTAI
(3A5)ØDTAI
7C
74LSØ2
74LSØ4
ISADD(5B7)
(5B8)
ØSADD(5D7)
ØPADD(5B7)
WRITE DATA REGISTER
(3A4)IDTAØ
74LSØ2
13C
74LS175
12A
(3A5)IDTAI
(3A5)ØDTA2
(3A5)ØDTA3
CLR
ØWDØ(2B3)
IWDI (2C3)
ØWD2(2C3)
ØWD3(2C3)
13B
74LS32
(3A5)ØDTA4
(3A6)ØDTA5
(3A6)ØDTA6
(3A6)ØDTA7
12B
ØWD4(2B3)
ØWD5(2B3)
ØWD6(2B3)
ØWD7(2C3)
(5D3)ØENWD
(3C2)ØDACK
12C
74LSØ8
ØWRTE(2C3)
(3A7)3RST2
(8B5)IABLK
IARST(2D3)
(2D3)IWBLK
(3A4)ØDTAØ
(3A5)ØDTAI
(3A5)ØDTA2
(3A5)ØDTA3
13A
14B
74LSØ4
(3A5)ØDTA4
(3A6)ØDTA5
(3A6)ØDTA6
(3A6)ØDTA7
14A
74LS3Ø
ØFID5
(2C3)
13C
74LSØ2
SIZE D
DWG NO 121025
REV 06
DO NOT SCALE DWG
SHEET 4



SELECTION SEQUENCER
ERROR DETECTION
EOM/SEPARATOR DETECTION
ØLGI(3B5,3C3)
5VPI(5D7)
ØENWD(4C3)
ØWDTM(5A8)
IENWL(7C7,7D6)
ØENWL (5A8,8C8)
IENWC(2C3,7A8,7B8)
IKBC(6C6,6C8)
ØSRSP(2C7,8C6)
ISRSP(8C6)
IRESP(3C3)
ØPRSP(2B7)
IPRSP(8B4)
ISEOM(5A8)
IEOM(5A8,5D7)
ICOMD(5D4)
ØEOM(5C8)
ISEP(5C6)
ØSEP(8C6)
2SEOM(5D8)
ISERR(5B7, 5C7)
74LS195
74LS00
74LS04
74LS08
74LS32
74LS11
74LS02
74LS20
74LS109
74LS10
74LS74
74LS30
74S32
D
121025
09
SHEET 5
DO NOT SCALE DWG



8 7 6 5 4 3 2 1
D C B A
(3A7)3RST2
(3A6)ØDTA6
(5C5)IKBC
(4C6)5VP4
(3A4)ØDTAØ
(2C7) ØKSIM
2A 74LS74
3A 74LS74
(3A7)3RST2
(2B7)ISKSI
3B 74LS08
(3A5)ØDTA1
(5C5)IKBC
(5C6)ØSEL
2C 74LS74
ØLOAD(2A3, 7C2)
ØLCGR (2B7)
IKCG (2D7)
5VP4(4C6)
2B 74LS74
4B 7406
ICLIK(2C7)
(2B7)3RST2
(2C7)ØHRT
6D 74LS04
+5V
(11A-16)
R13 1K
(11A-9)
W1
(11A-8)
(2D3) ISCAN
74LS04
9C
(3A6)ØDTA7
(2B7)IOR
4A 74LS10
INRPT(2C7)
9B 74LS00
(3A5)ØDTA4
(3A7)3RST2
10B 74LS10
74LS04 3A
ITCON(2C7)
ØTCON (6A5)
(2B7) IHI25
8A 74LS08
IFLSH(2D3)
6C 1K
+5V
5C
"CHECKER BOARD PATTERN ENABLE"
PART OF ADDRESS SELECTION DIP SWITCH
(6B3) ØTCON
(8C5) ILDCR
10A 74LS32
11B 74LS11
INST(2D3)
KEYBOARD CONTROL LOGIC
SIZE D
DWG NO 121025
REV 11
DO NOT SCALE DWG
SHEET 6



LINE NO. AND CHARACTER NO. REGISTERS

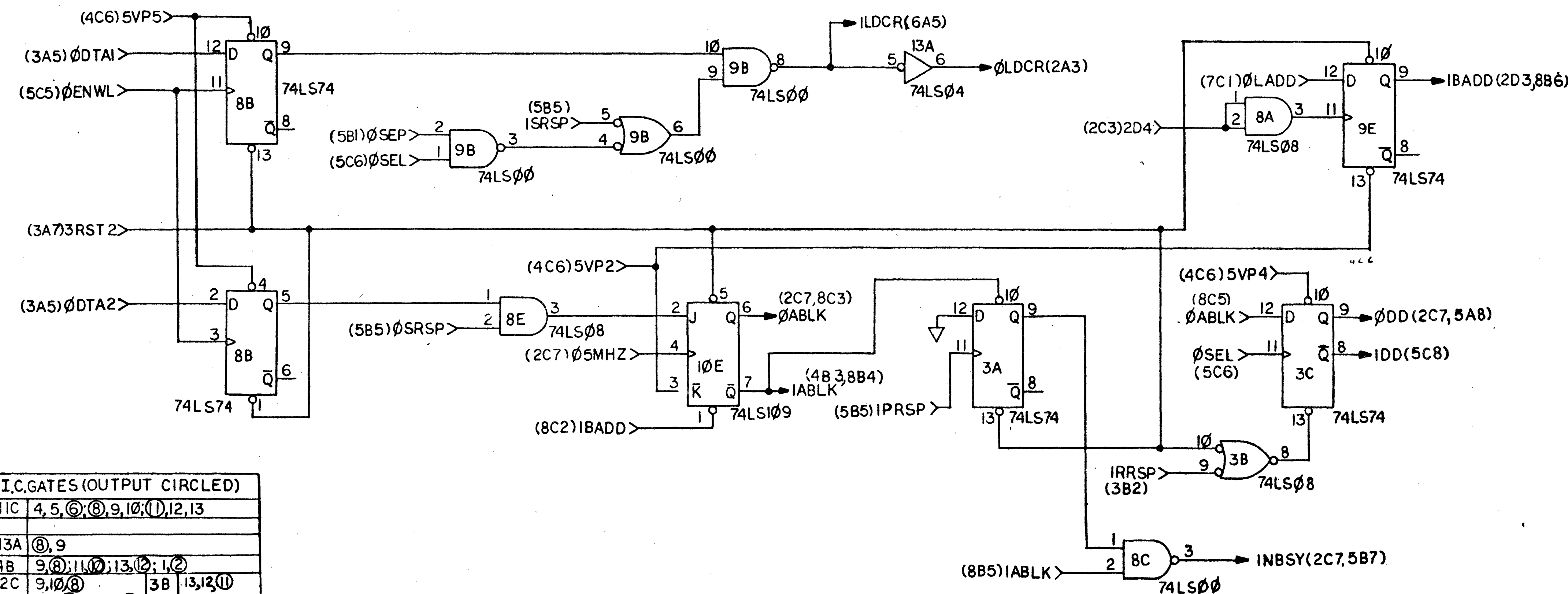
LEGAL ADDRESS DETECTION

SIZE	DWG NO	REV
D	121025	09

DO NOT SCALE DWG — SHEET 7

8 7 6 5 4 3 2 1

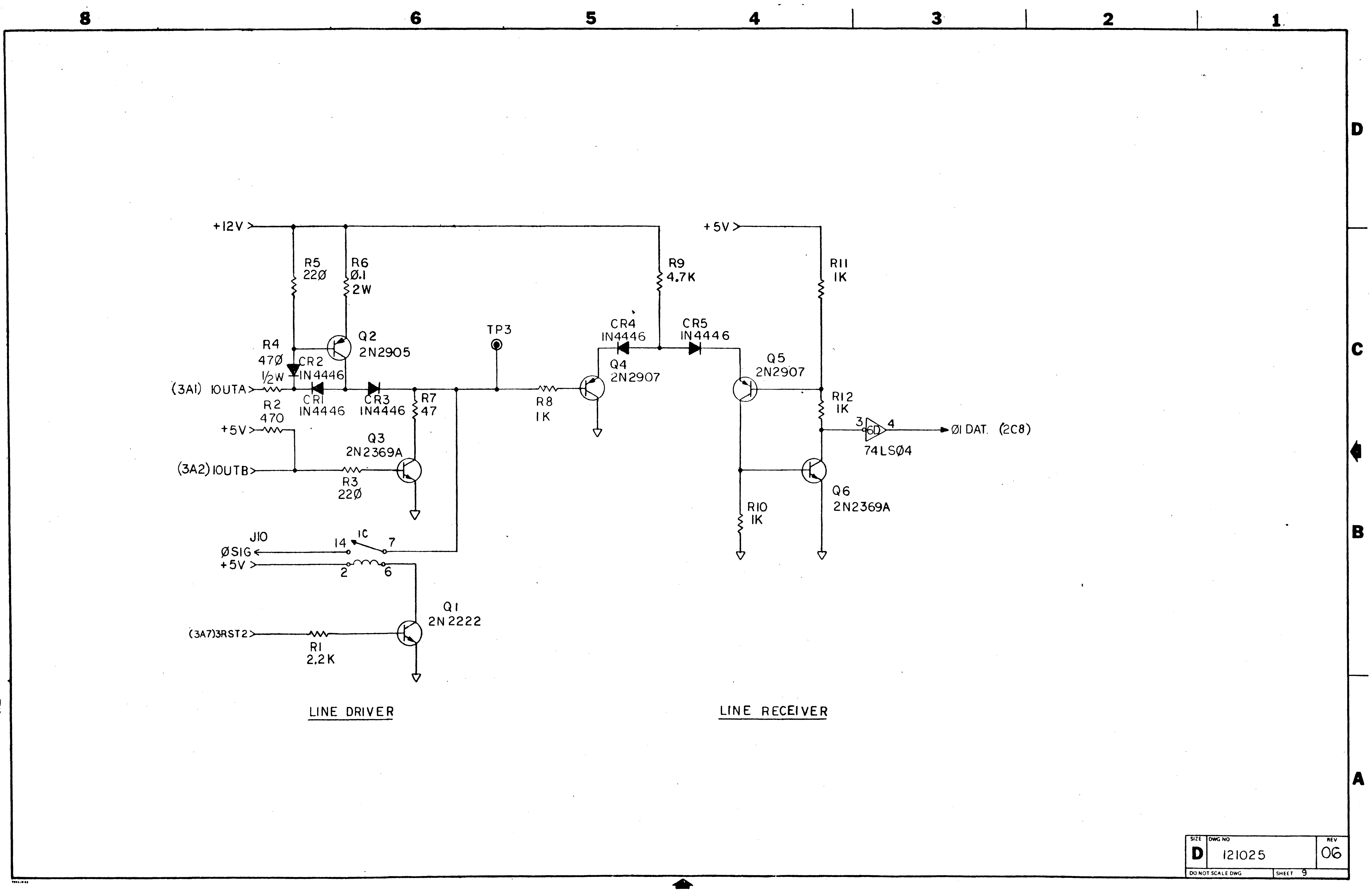
D C B A



SPARE I.C.GATES (OUTPUT CIRCLED)				
74LSØØ	11C	4,5,6;8,9,1Ø;11,12,13		
74LSØ4	13A	8,9		
74Ø6	4B	9,8;11,1Ø;13,12;1,2		
74LSØ8	12C 5D	9,1Ø,8 1,2,3;12,13,11	3B	13,12,11
74LS11	11B 17B	1,2,13,12 3,4,5,6		
74LS32	1ØA	1,2,3;4,5,6;11,12,13		
74LS86	5B	1,2,3;4,5,6		
SPARE I.C LOCATIONS				
14 PIN	4C			
16 PIN	9A,1ØA,11A,1D,16D,17D,15E,16E			

AUTO BLANK AND CURSOR CONTROL

SIZE	DWG NO	REV
D	121025	11
DO NOT SCALE DWG	SHEET 8	



8
6
5
4
3
2
1
D
C
B
A
+12V
R5
22Ø
R6
Ø.1
2W
R9
4.7K
+5V
R11
1K
R4
47Ø
1/2W
Q2
2N2905
CR2
1N4446
TP3
CR4
1N4446
CR5
1N4446
Q4
2N2907
Q5
2N2907
(3A1) 1OUTA
CR1
1N4446
CR3
1N4446
R7
47
R8
1K
R12
1K
R2
470
+5V
Q3
2N2369A
3
4
6D
ØI DAT. (2C8)
74LSØ4
(3A2) 1OUTB
R3
22Ø
Q6
2N2369A
R10
1K
J10
ØSIG
14
1C
7
+5V
2
6
Q1
2N2222
(3A7)3RST2
R1
2.2K
LINE DRIVER
LINE RECEIVER
SIZE
D
DWG NO
121025
REV
06
DO NOT SCALE DWG
SHEET 9

SPARE IC CHART

NOTE: CIRCLED PIN NUMBERS ARE OUTPUTS

TYPE	LOCATION	PINS
74SØ4	12B	3,4;1Ø,11;12,13
74LSØ4	2D	1Ø,11;12,13
	15D	5,6;8,9;1Ø,11;12,13
7437	1B	1,2,3; 4,5,6
74LS86	7D	4,5,6;11,12,13
74S112	1ØA	1,2,3,4,5,6,15
SPARE LOCATION	1D	

REVISIONS

SYM	DESCRIPTION	DRFTG	APPROVED	DATE
	RELEASE PER DRO 35777		EB	4-5-77
C2	CHG SH 8 ZWDIWA . . WDI	JDS	EB	4-7-77
03	CHANGE ADDED GATES IIVIDWAS IHINT . . . . . IGNAL RC	JDS	EB	4-1?-77
04	ADDED 12C 2C PINCHIP, 11B WAS 12C CHGD PINS F5	JDS	EB	
05	REV≠ REDRAWN		TS EB	8/19/77
06	REVISED TO REFLECT NEW ETCH		TS EB	11/17/77
07	REVISED SH. 9. ZONE C2 AT 6F; FROM: 74LS161 TO: 74LS163		TS EB	12/5/77
C8	CODE 06 REL WITH CHANGES PER DCD 06939	TC	EB	3/15/78
D9	INCORP DCD 07043		EB	4/12/78
10	INCORP DCO 07863	DD	TLR EB	6/21/78
11	INCORP DCO 07940	DD	EB	7/15/78
12	INCORP DCO 08170	DD	TLR EB	10/13/78
13	INCORP DCO 08414	BM	EB	1/5/79
14	INCORP DCD 08907	MV	EB	3/27/79
15	INCORP DCO 09254	BM	TLR EB	10/17/79
16	INCORP DCO 10572	BM	EB	3/28/80

NOTE: UNLESS OTHERWISE SPECIFIED

REV STATUS OF SHEETS											
	SHEET	1	2	3	4	5	6	7	8	9	10
	REV	16	16	13	16	09	09	14	14	14	10

UNLESS OTHERWISE SPECIFIED

1. TOLERANCES .xx ±.030 .xxx ±.010 ANGULAR 0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES 010 APPROX
4. MACH SURFACES 125 ✓ OR BETTER
5. INTERPRET DWG PER MIL-D-1000
6. DIM ARE IN INCHES

DRAWN	L. NOTAR	3-21-77
CHECK	H. ATWELL	3/21/77
APPR	J. STEPHENS	3/21/77
RELEASE	G. ERNK	4/5/77

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PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE: SCHEMATIC PCBA DISPLAY LOGIC

NEXT ASSY	QTY	MODEL	QTY
261062		4143	

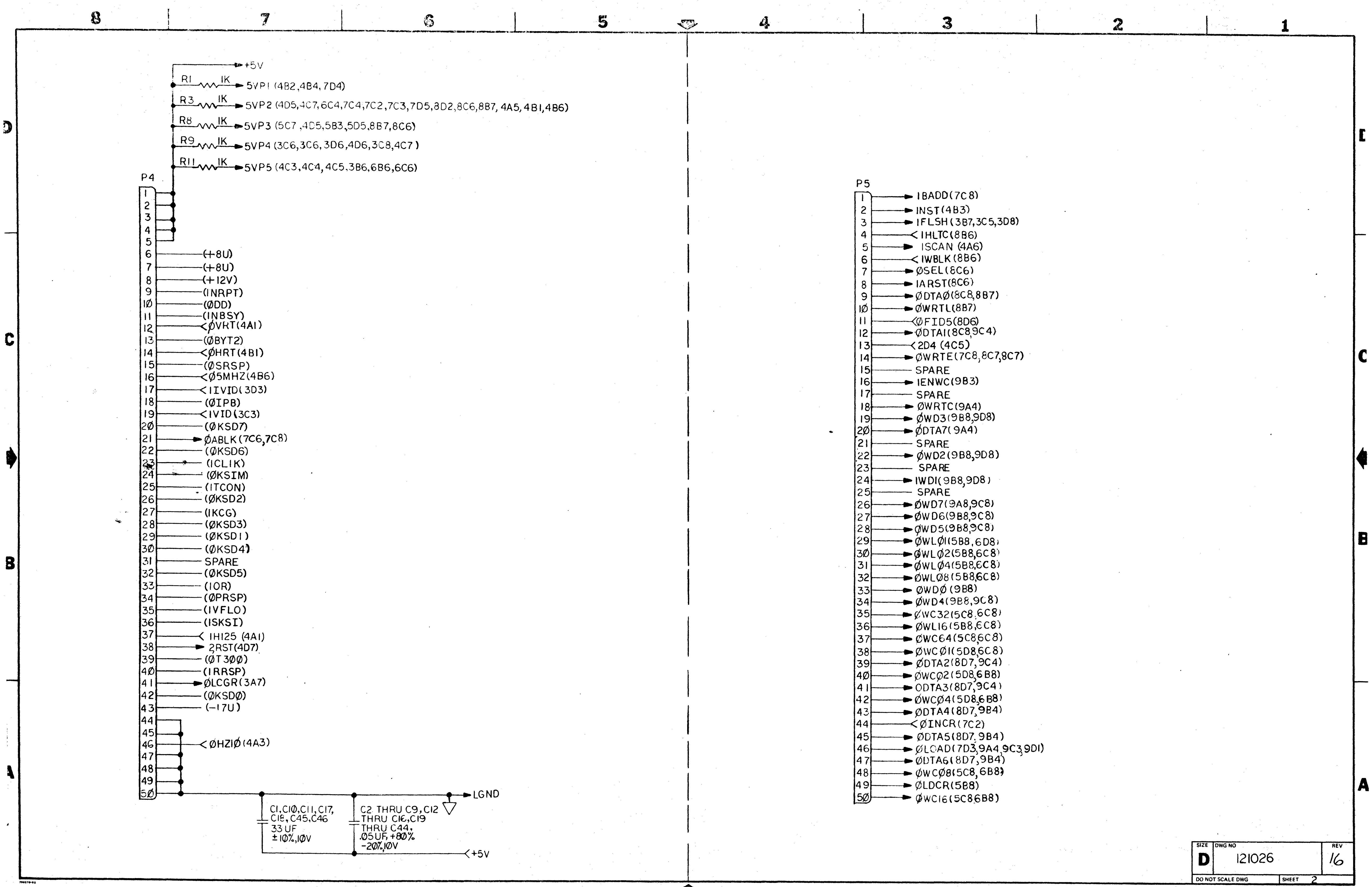
APPLICATION

MATERIAL:

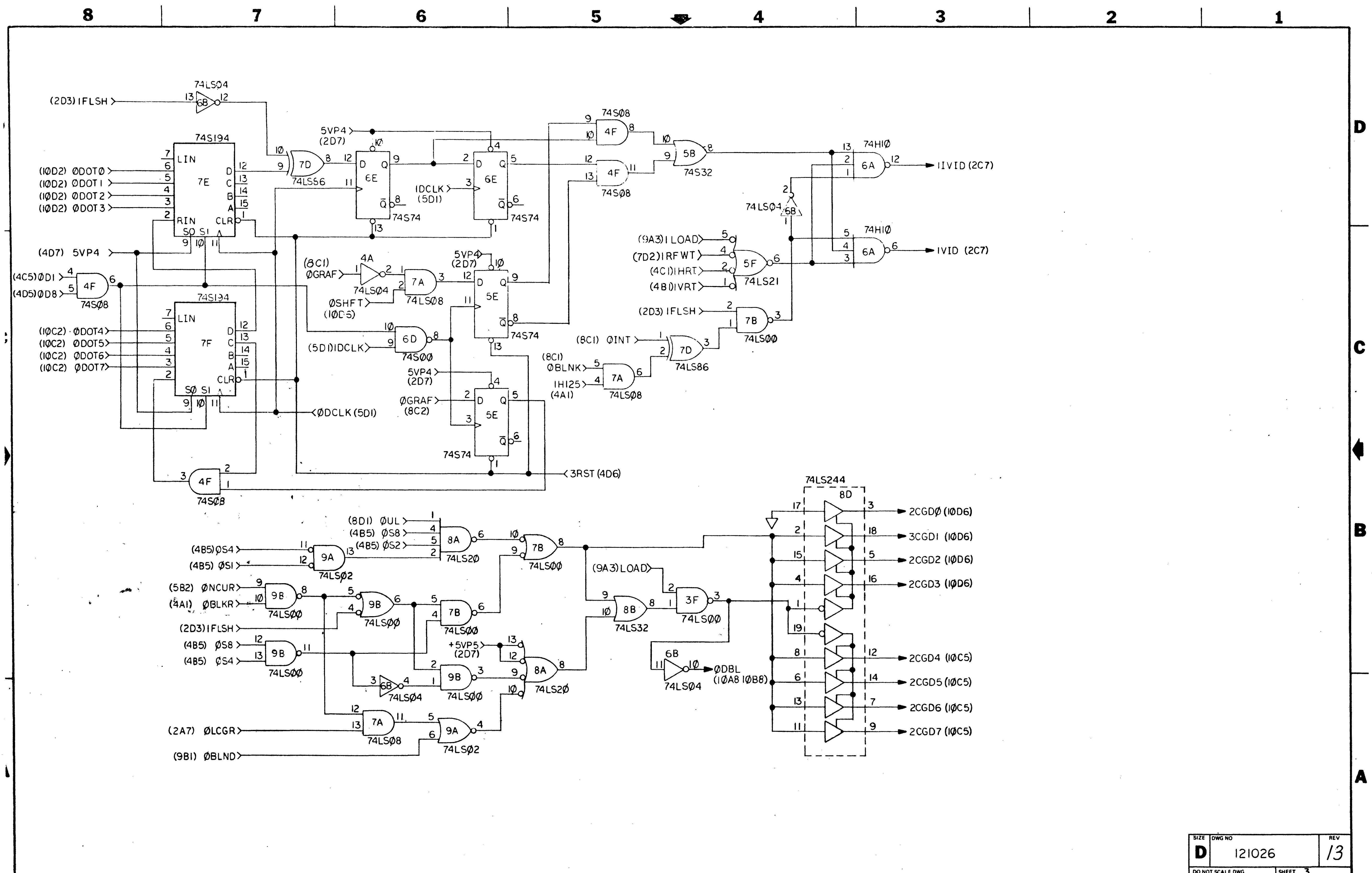
FINISH:

CODE IDENT NO.	SIZE	DWG NO	REV
DC CODE 06	D	121026	16

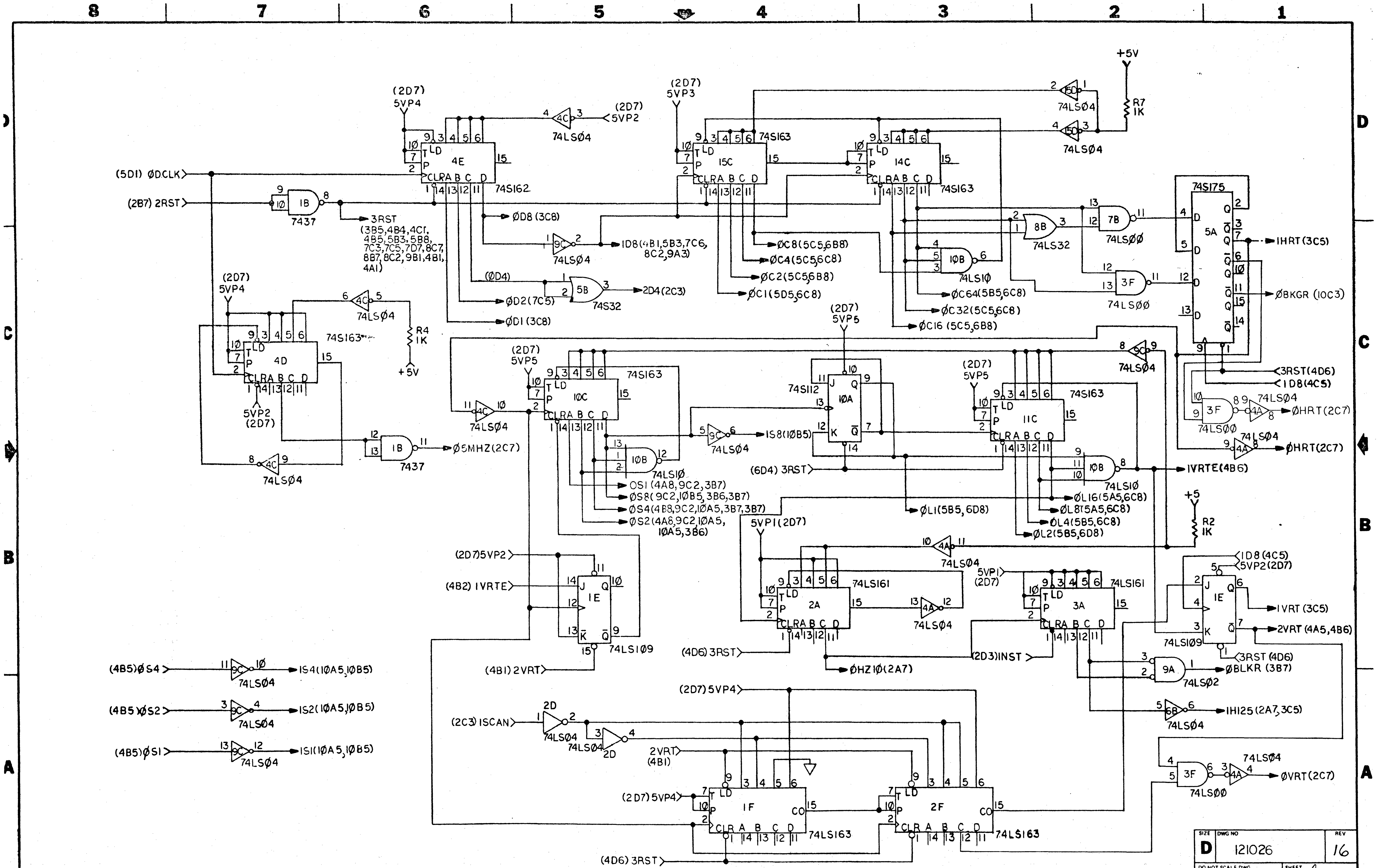
SCALE — DO NOT SCALE DWG SHEET 1 OF 10



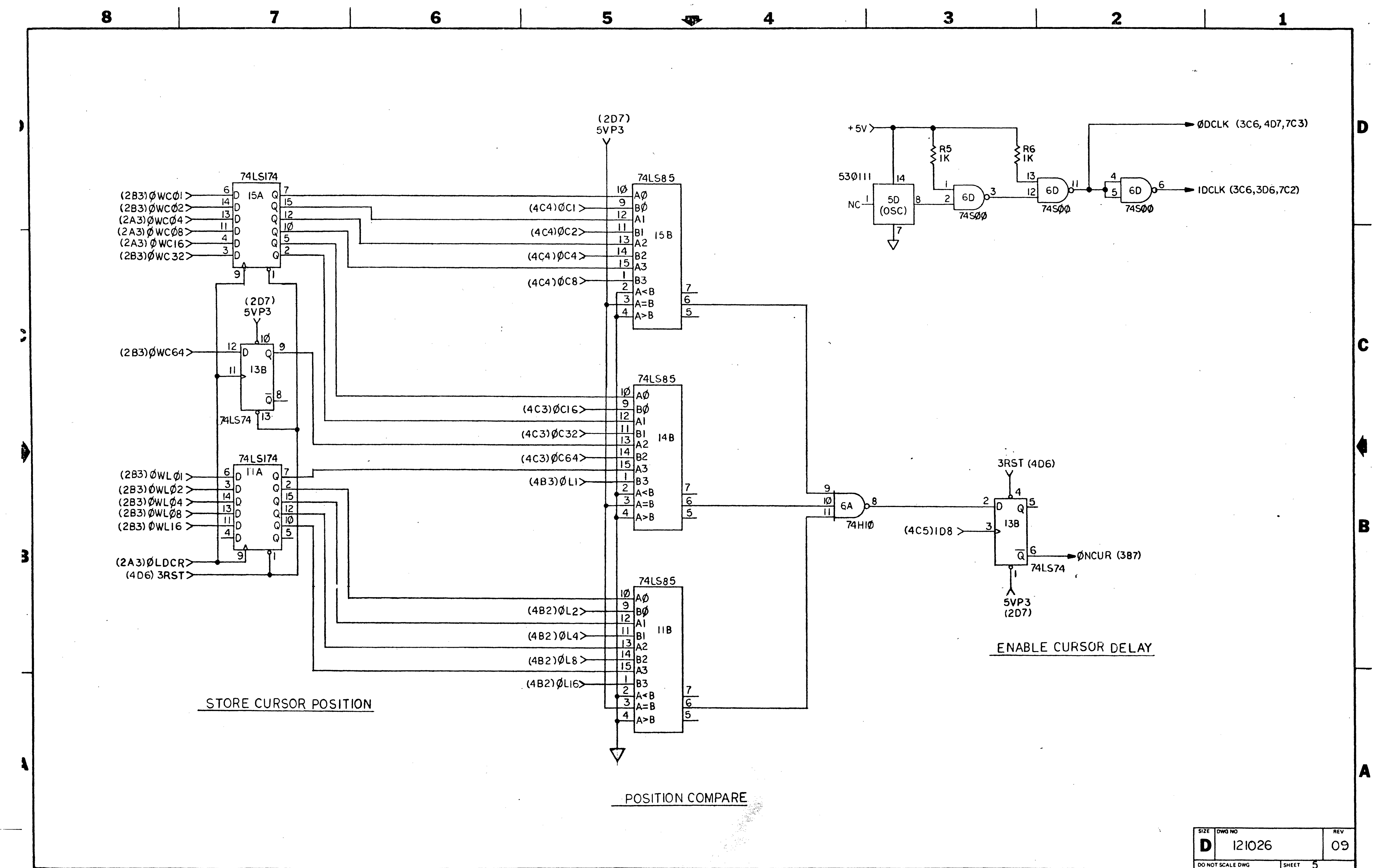
8 7 6 5 4 3 2 1
D C B A
+5V
R1 1K 5VP1 (4B2,4B4,7D4)
R3 1K 5VP2 (4D5,4C7,6C4,7C4,7C2,7C3,7D5,8D2,8C6,8B7, 4A5, 4B1,4B6)
R8 1K 5VP3 (5C7,4C5,5B3,5D5,8B7,8C6)
R9 1K 5VP4 (3C6,3C6,3D6,4D6,3C8,4C7)
R11 1K 5VP5 (4C3,4C4,4C5,3B6,6B6,6C6)
P4
6 (+8U)
7 (+8U)
8 (+12V)
9 (INRPT)
1Ø (ØDD)
11 (INBSY)
12 ØVRT(4A1)
13 (ØBYT2)
14 ØHRT(4B1)
15 (ØSRSP)
16 Ø5MHZ(4B6)
17 IIVID(3D3)
18 (ØIPB)
19 IVID(3C3)
2Ø (ØKSD7)
21 ØABLK(7C6,7C8)
22 (ØKSD6)
23 (ICLIK)
24 (ØKSIM)
25 (ITCON)
26 (ØKSD2)
27 (IKCG)
28 (ØKSD3)
29 (ØKSD1)
3Ø (ØKSD4)
31 SPARE
32 (ØKSD5)
33 (IOR)
34 (ØPRSP)
35 (IVFLO)
36 (ISKSI)
37 IH125 (4A1)
38 2RST(4D7)
39 (ØT3ØØ)
4Ø (IRRSP)
41 ØLCGR(3A7)
42 (ØKSDØ)
43 (-17U)
44 45 46 47 48 49 5Ø
ØHZ1Ø (4A3)
LGND
C1,C1Ø,C11,C17, C18,C45,C46 33UF ±10%,1ØV
C2 THRU C9,C12 THRU C16,C19 THRU C44, .05UF,+80% -20%,1ØV
+5V
P5
1 IBADD(7C8)
2 INST(4B3)
3 IFLSH(3B7,3C5,3D8)
4 IHLTC(8B6)
5 ISCAN (4A6)
6 IWBLK(8B6)
7 ØSEL(8C6)
8 IARST(8C6)
9 ØDTAØ(8C8,8B7)
1Ø ØWRTL(8B7)
11 ØFID5(8D6)
12 ØDTA1(8C8,9C4)
13 2D4 (4C5)
14 ØWRTE(7C8,8C7,8C7)
15 SPARE
16 IENWC(9B3)
17 SPARE
18 ØWRTC(9A4)
19 ØWD3(9B8,9D8)
2Ø ØDTA7(9A4)
21 SPARE
22 ØWD2(9B8,9D8)
23 SPARE
24 IWD1(9B8,9D8)
25 SPARE
26 ØWD7(9A8,9C8)
27 ØWD6(9B8,9C8)
28 ØWD5(9B8,9C8)
29 ØWLØ1(5B8,6D8)
3Ø ØWLØ2(5B8,6C8)
31 ØWLØ4(5B8,6C8)
32 ØWLØ8(5B8,6C8)
33 ØWDØ (9B8)
34 ØWD4(9B8,9C8)
35 ØWC32(5C8,6C8)
36 ØWL16(5B8,6C8)
37 ØWC64(5C8,6C8)
38 ØWCØ1(5D8,6C8)
39 ØDTA2(8D7,9C4)
4Ø ØWCØ2(5D8,6B8)
41 ODTA3(8D7,9C4)
42 ØWCØ4(5D8,6B8)
43 ØDTA4(8D7,9B4)
44 ØINCR(7C2)
45 ØDTA5(8D7,9B4)
46 ØLOAD(7D3,9A4,9C3,9D1)
47 ØDTA6(8D7,9B4)
48 ØWCØ8(5C8,6B8)
49 ØLDCR(5B8)
5Ø ØWC16(5C8,6B8)
SIZE D
DWG NO 121026
REV 16
DO NOT SCALE DWG
SHEET 2



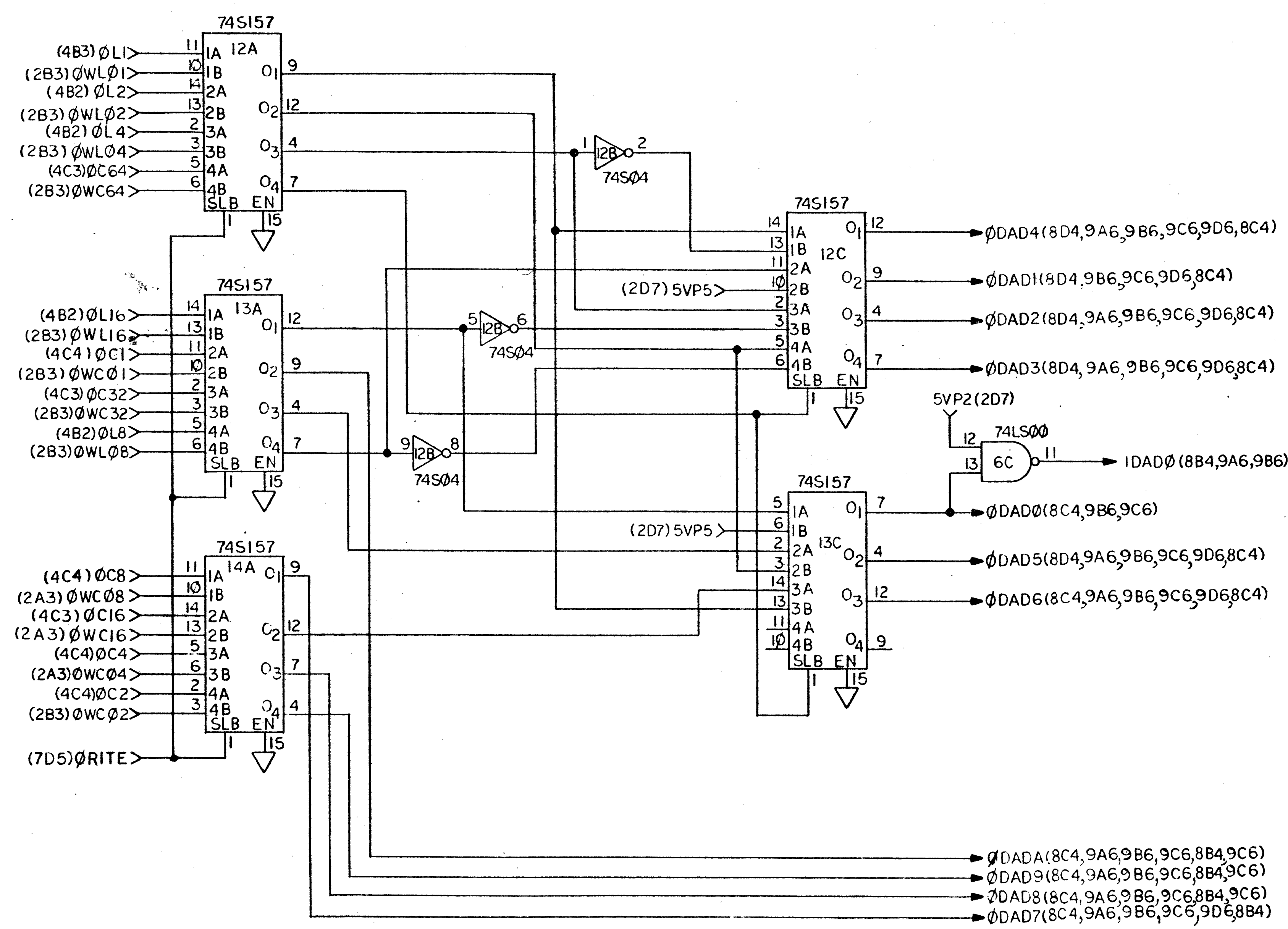
8
7
6
5
4
3
2
1
D
C
B
A
(2D3) IFLSH
74LS04
6B
74S194
7E
LIN
RIN
CLR
S0 S1
(1ØD2) ØDOTØ
(1ØD2) ØDOT1
(1ØD2) ØDOT2
(1ØD2) ØDOT3
(4D7) 5VP4
(4C5)ØD1
(4D5)ØD8
4F
74SØ8
74S194
7F
(1ØC2) ØDOT4
(1ØC2) ØDOT5
(1ØC2) ØDOT6
(1ØC2) ØDOT7
7D
74LS86
5VP4
(2D7)
6E
74S74
IDCLK
(5D1)
(8C1)
ØGRAF
4A
74LS04
7A
74LS08
ØSHFT
(1ØC5)
5E
(5D1)IDCLK
6D
74S00
5VP4
(2D7)
ØGRAF
(8C2)
ØDCLK (5D1)
3RST (4D6)
4F
74SØ8
5B
74S32
74H1Ø
6A
11VID (2C7)
1VID (2C7)
(9A3) 1 LOAD
(7D2) 1RFWT
(4C1) 1HRT
(4B1) 1VRT
5F
74LS21
(2D3) IFLSH
7B
74LS00
(8C1) ØINT
7D
74LS86
(8C1)
ØBLNK
1H125
(4A1)
7A
74LSØ8
(8D1) ØUL
(4B5) ØS8
(4B5) ØS2
8A
74LS2Ø
(4B5)ØS4
(4B5) ØS1
9A
74LSØ2
7B
74LSØØ
(5B2) ØNCUR
(4A1) ØBLKR
9B
74LSØØ
(2D3)IFLSH
(4B5) ØS8
(4B5) ØS4
+5VP5
(2D7)
6B
74LS04
(2A7) ØLCGR
(9B1) ØBLND
(9A3) LOAD
8B
74LS32
3F
74LSØØ
ØDBL
(1ØA8 1ØB8)
74LS244
8D
2CGDØ (1ØD6)
3CGD1 (1ØD6)
2CGD2 (1ØD6)
2CGD3 (1ØD6)
2CGD4 (1ØC5)
2CGD5 (1ØC5)
2CGD6 (1ØC5)
2CGD7 (1ØC5)
SIZE
D
DWG NO
121026
REV
13
DO NOT SCALE DWG
SHEET 3



(5D1) ØDCLK
(2B7) 2RST
3RST
(3B5,4B4,4C1,4B5,5B3,5B8,7C3,7C5,7D7,8C7,8B7,8C2,9B1,4B1,4A1)
74S162
74S163
74S112
74S175
74LS04
74LS00
74LS32
74LS10
74S32
7437
74LS109
74LS161
74LS163
74LS02
ØD8 (3C8)
1D8(4B1,5B3,7C6,8C2,9A3)
2D4(2C3)
ØD2(7C5)
ØD1 (3C8)
ØC8(5C5,6B8)
ØC4(5C5,6C8)
ØC2(5C5,6B8)
ØC1(5D5,6C8)
ØC64(5B5,6C8)
ØC32(5C5,6C8)
ØC16 (5C5,6B8)
1HRT (3C5)
ØBKGR (10C3)
3RST(4D6)
1D8(4C5)
ØHRT(2C7)
Ø5MHZ(2C7)
1S8(10B5)
(6D4) 3RST
1VRTE(4B6)
ØL16(5A5,6C8)
ØL8(5A5,6C8)
ØL4(5B5,6C8)
ØL2(5B5,6D8)
ØL1(5B5, 6D8)
OS1 (4A8,9C2,3B7)
ØS8(9C2,10B5,3B6,3B7)
ØS4(4B8,9C2,10A5,3B7,3B7)
ØS2(4A8,9C2,10A5,10A5,3B6)
(2D7)5VP2
(4B2) 1VRTE
(4B1) 2VRT
5VP1(2D7)
(4D6) 3RST
ØHZ10(2A7)
(2D3)INST
1VRT (3C5)
2VRT (4A5,4B6)
3RST (4D6)
ØBLKR (3B7)
1H125(2A7,3C5)
(4B5)ØS4
1S4(10A5,10B5)
(4B5)ØS2
1S2(10A5,10B5)
(4B5)ØS1
1S1(10A5,10B5)
(2C3) 1SCAN
2VRT (4B1)
(2D7) 5VP4
ØVRT(2C7)
+5V
R7 1K
R4 1K
R2 1K
SIZE D
DWG NO 121026
REV 16
DO NOT SCALE DWG
SHEET 4

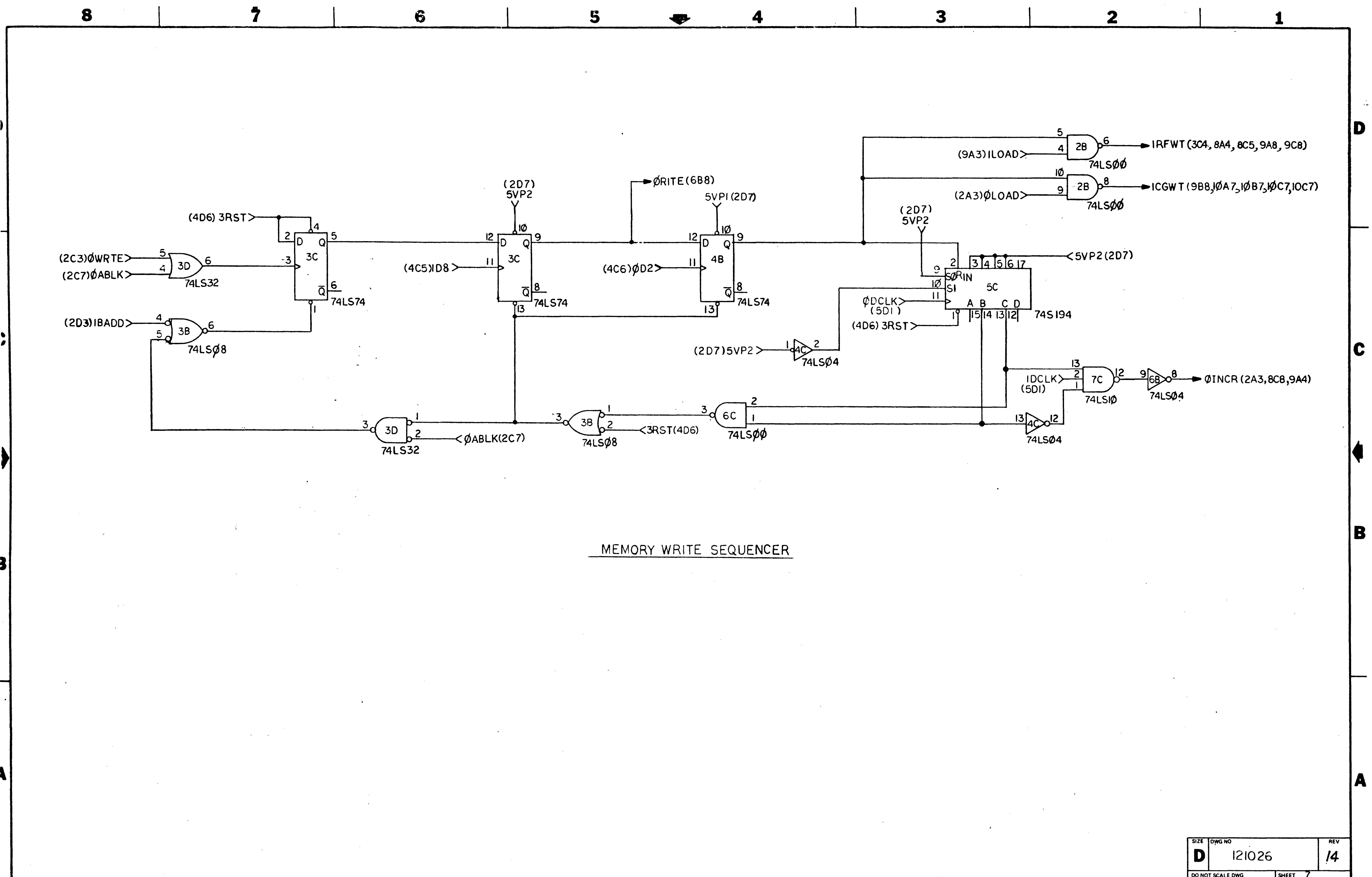


STORE CURSOR POSITION
POSITION COMPARE
ENABLE CURSOR DELAY
74LS174
15A
11A
74LS74
13B
74LS85
15B
14B
11B
74H10
6A
74S00
6D
5D (OSC)
530111
R5 1K
R6 1K
+5V
ØDCLK (3C6,4D7,7C3)
1DCLK (3C6,3D6,7C2)
ØNCUR (3B7)
3RST (4D6)
(4C5)1D8
(2D7) 5VP3
(2B3)ØWCØ1
(2B3)ØWCØ2
(2A3)ØWCØ4
(2A3)ØWCØ8
(2A3)ØWC16
(2B3)ØWC32
(2B3)ØWC64
(2B3)ØWLØ1
(2B3)ØWLØ2
(2B3)ØWLØ4
(2B3)ØWLØ8
(2B3)ØWL16
(2A3)ØLDCR
(4D6) 3RST
(4C4)ØC1
(4C4)ØC2
(4C4)ØC4
(4C4)ØC8
(4C3)ØC16
(4C3)ØC32
(4C3)ØC64
(4B3)ØL1
(4B2)ØL2
(4B2)ØL4
(4B2)ØL8
(4B2)ØL16
D 121026 09
DO NOT SCALE DWG
SHEET 5



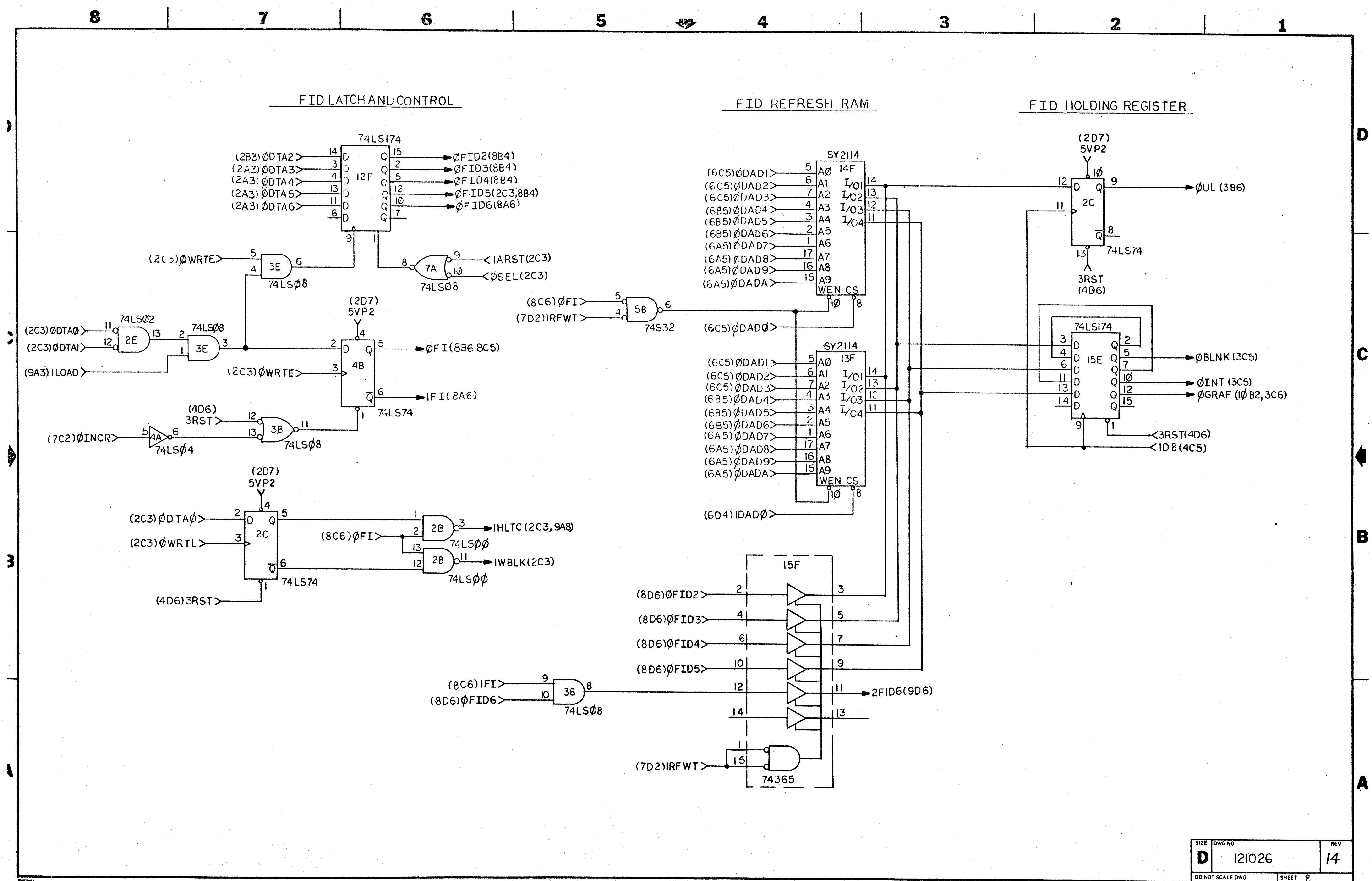
ADDRESS TRANSLATION

SIZE	DWG NO	REV
D	121026	09
DO NOT SCALE DWG	SHEET 6	



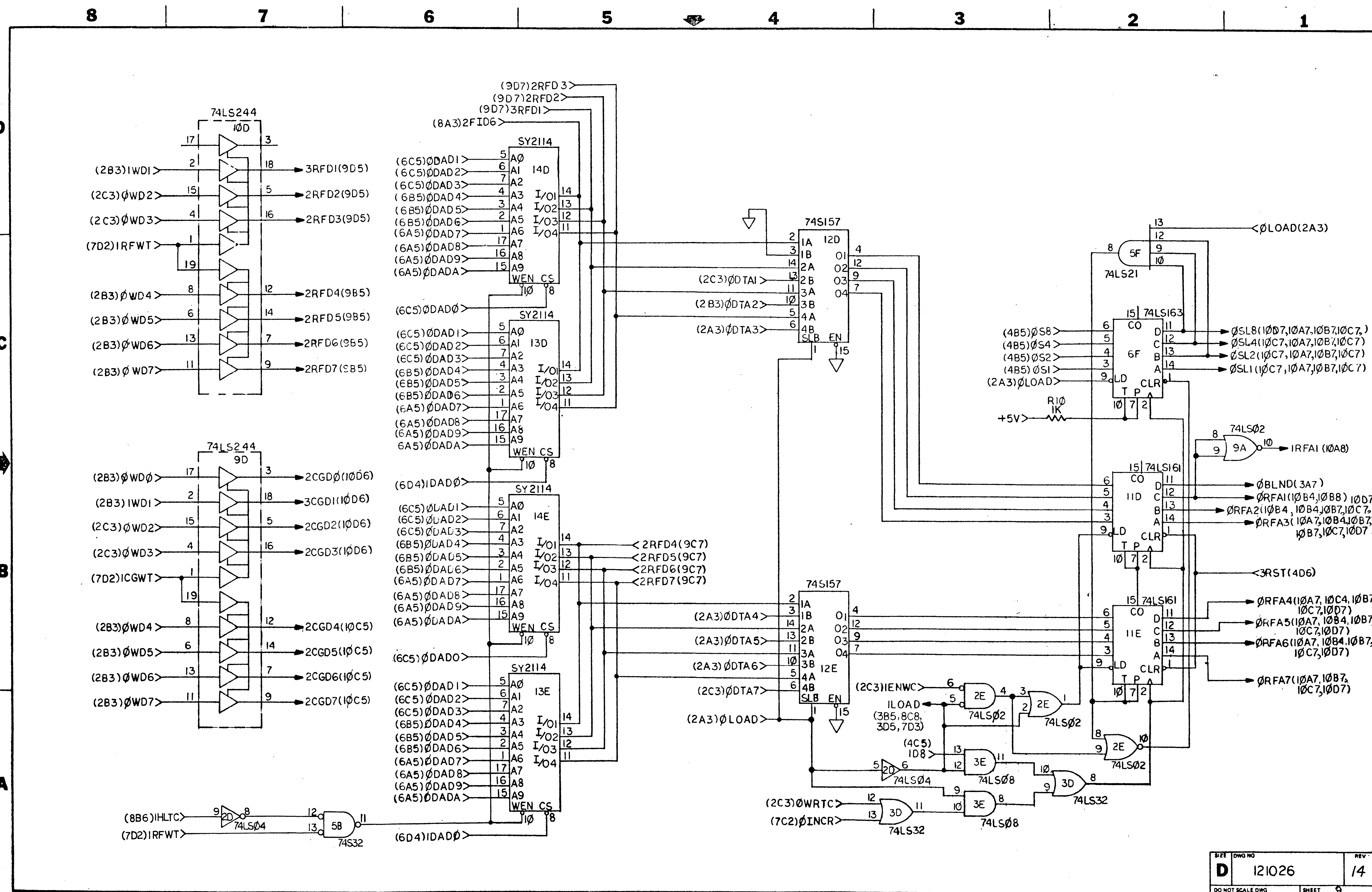
MEMORY WRITE SEQUENCER

SIZE	DWG NO	REV
D	121026	14
DO NOT SCALE DWG	SHEET 7	



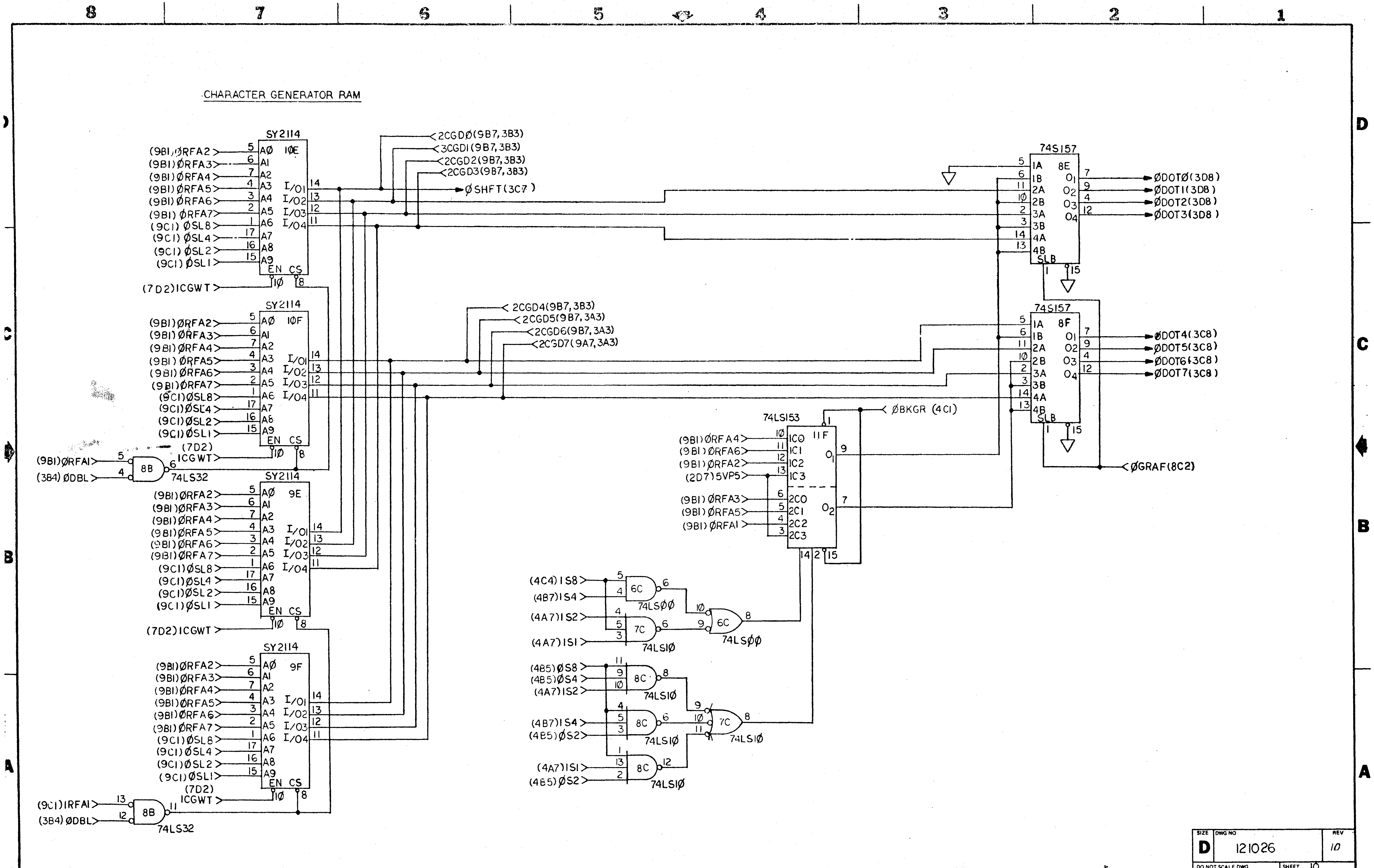
SIZE	DWG NO	REV
D	121026	14

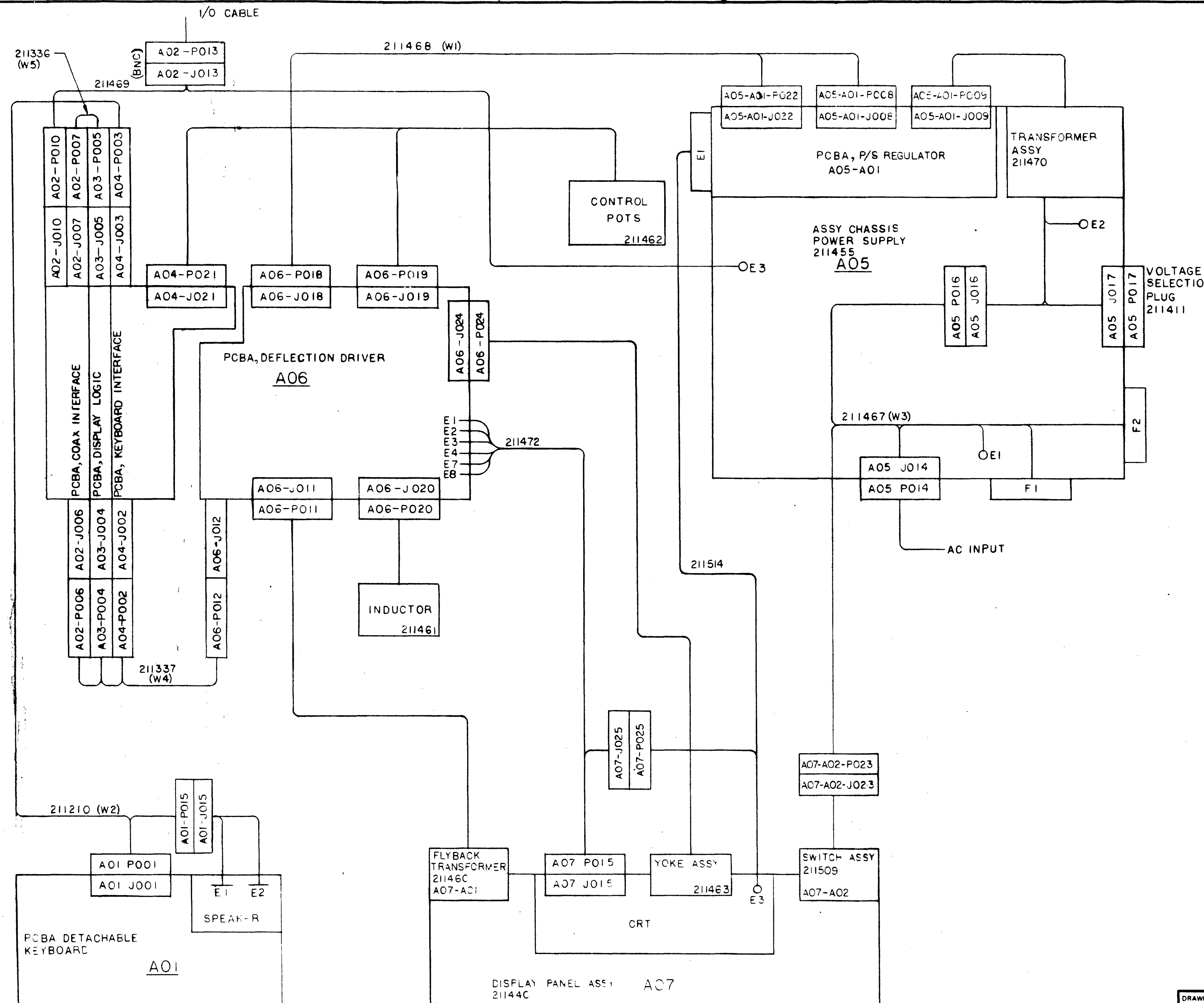
DO NOT SCALE DWG SHEET 8



74LS244
10D
(2B3)1WD1
(2C3)ØWD2
(2C3)ØWD3
(7D2)1RFWT
(2B3)ØWD4
(2B3)ØWD5
(2B3)ØWD6
(2B3)ØWD7
3RFD1(9D5)
2RFD2(9D5)
2RFD3(9D5)
2RFD4(9B5)
2RFD5(9B5)
2RFD6(9B5)
2RFD7(9B5)
74LS244
9D
(2B3)ØWDØ
(2B3)1WD1
(2C3)ØWD2
(2C3)ØWD3
(7D2)1CGWT
(2B3)ØWD4
(2B3)ØWD5
(2B3)ØWD6
(2B3)ØWD7
2CGDØ(1ØD6)
3CGD1(1ØD6)
2CGD2(1ØD6)
2CGD3(1ØD6)
2CGD4(1ØC5)
2CGD5(1ØC5)
2CGD6(1ØC5)
2CGD7(1ØC5)
(9D7)2RFD3
(9D7)2RFD2
(9D7)3RFD1
(8A3)2FID6
SY2114
14D
13D
14E
13E
(6C5)ØDAD1
(6C5)ØDAD2
(6C5)ØDAD3
(6B5)ØDAD4
(6B5)ØDAD5
(6B5)ØDAD6
(6A5)ØDAD7
(6A5)ØDAD8
(6A5)ØDAD9
(6A5)ØDADA
(6C5)ØDADØ
(6D4)1DADØ
2RFD4(9C7)
2RFD5(9C7)
2RFD6(9C7)
2RFD7(9C7)
(8B6)1HLTC
(7D2)1RFWT
2D
74LSØ4
5B
74S32
74S157
12D
12E
(2C3)ØDTA1
(2B3)ØDTA2
(2A3)ØDTA3
(2A3)ØDTA4
(2A3)ØDTA5
(2A3)ØDTA6
(2C3)ØDTA7
(2A3)ØLOAD
(2C3)1ENWC
1LOAD
(3B5,8C8,3D5,7D3)
(4C5)1D8
(2C3)ØWRTC
(7C2)ØINCR
2E
74LSØ2
3E
74LSØ8
3D
74LS32
74LS21
5F
ØLOAD(2A3)
74LS163
6F
(4B5)ØS8
(4B5)ØS4
(4B5)ØS2
(4B5)ØS1
(2A3)ØLOAD
ØSL8(1ØD7,1ØA7,1ØB7,1ØC7)
ØSL4(1ØC7,1ØA7,1ØB7,1ØC7)
ØSL2(1ØC7,1ØA7,1ØB7,1ØC7)
ØSL1(1ØC7,1ØA7,1ØB7,1ØC7)
R1Ø 1K
+5V
74LSØ2
9A
1RFA1(1ØA8)
74LS161
11D
11E
ØBLND(3A7)
ØRFA1(1ØB4,1ØB8) 1ØD7
ØRFA2(1ØB4,1ØB4,1ØB7,1ØC7)
ØRFA3(1ØA7,1ØB4,1ØB7,1ØC7,1ØD7)
3RST(4D6)
ØRFA4(1ØA7,1ØC4,1ØB7,1ØC7,1ØD7)
ØRFA5(1ØA7,1ØB4,1ØB7,1ØC7,1ØD7)
ØRFA6(1ØA7,1ØB4,1ØB7,1ØC7,1ØD7)
ØRFA7(1ØA7,1ØB7,1ØC7,1ØD7)
SIZE D
DWG NO 121026
REV 14
DO NOT SCALE DWG
SHEET 9

CHARACTER GENERATOR RAM





NOTE: UNLESS OTHERWISE SPECIFIED

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 66C-77		SB	11/30/77
02	ADDED DISPLAY PNL ASSY & CABLING	TC	EE	2/1/78
03	CODE 06 REL W/O CHANGE PER DRC 129-78		EE	3/15/78
04	INCORP DCO 08061	F.C.	EB	10/2/79
05	CODE 10 RELEASE W/O CHANGE PER DCO 10869	K.A.	EE	4/19/80

		3143	—
203315		4143	—
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN		8-8-77
CHECK		
APPR		11 27 77
RELEASE		11/30/77

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PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

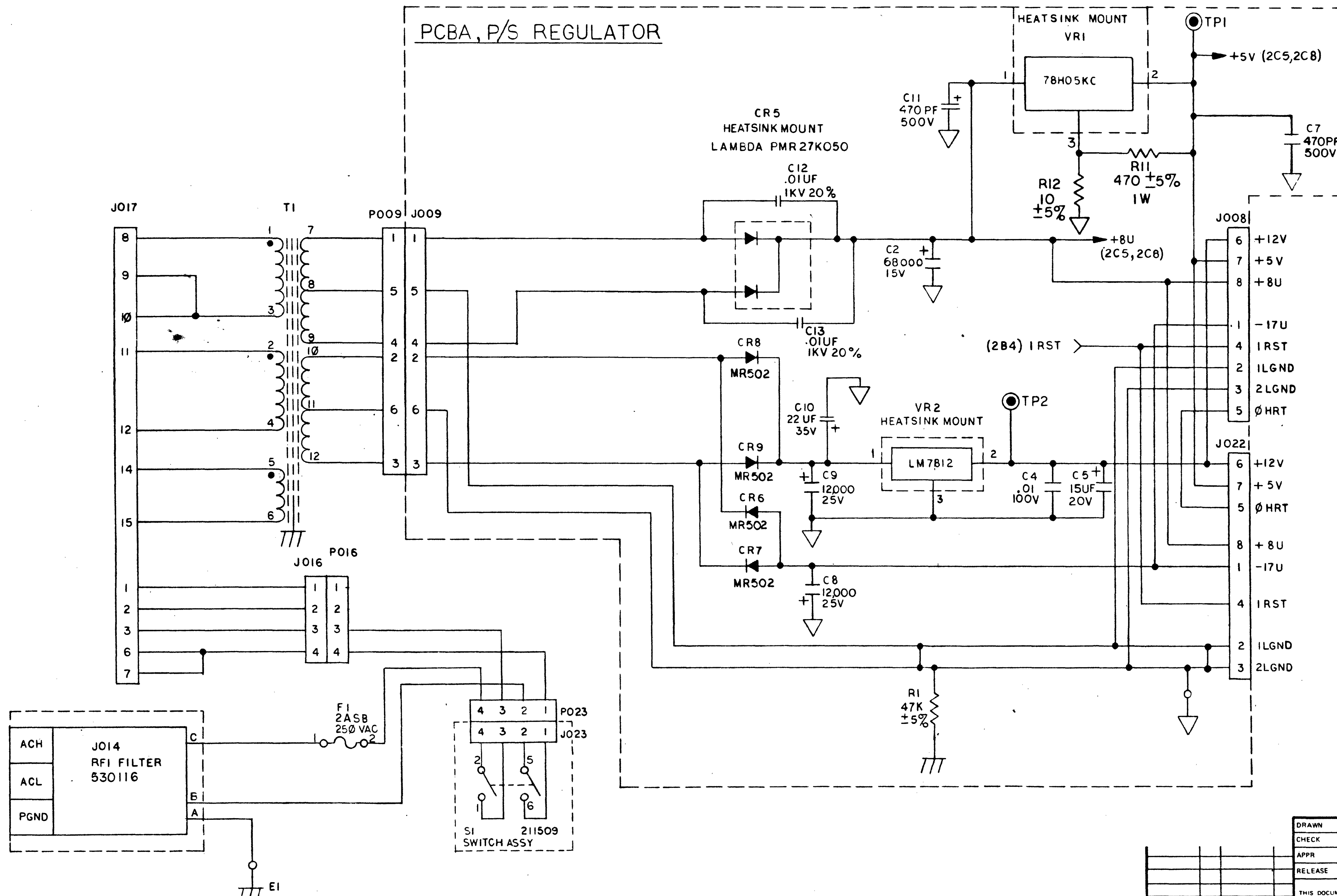
TITLE CABLE DIAGRAM, DISPLAY STATION

CODE IDENT. NO.	SIZE	DWG NO	REV
DC CODE 10	D	121050	05
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 1	

8	7	6	5	4	3	2	1

REVISIONS

SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO [illegible]		EB	[illegible]
02	REVISED PER ENG. INPUT	SW	[illegible]	[illegible]
03	CODE 06 REL W/CHANGES PER DCO 06930	[illegible]	EB	[illegible]
04	INCORP DCO 07385	[illegible]	EB	6/12/78
05	INCORP DCO 08061	F.C.	TLR EB	10/2/78
06	INCORP DCO 08180	MV	EB	10/[illegible]/78
07	INCORP DCO 08174	DD	TLR EB	11/8/78
08	INCORP DCO 08217	BM	TLR EB	11/10/78
09	INCORP DCO 08416	BM	EB	1/18/79
10	INCORP DCO 08595	LW	TLR EB	[illegible]
11	INCORP DCO 08929	BM	EB	5/8/79
12	INCORP DCO 09126	DD	EB	7/20/79
13	INCORP DCO 10293	DD	EB	9/22/80



NOTE : UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE IN OHMS ±10%, 1/4W.

261060	1	4143	
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	PEG-WALLACE	10-11-77
CHECK	TL ROGUENZE	11-14-77
APPR	[illegible]	11-17-77
RELEASE	G. [illegible]	[illegible]

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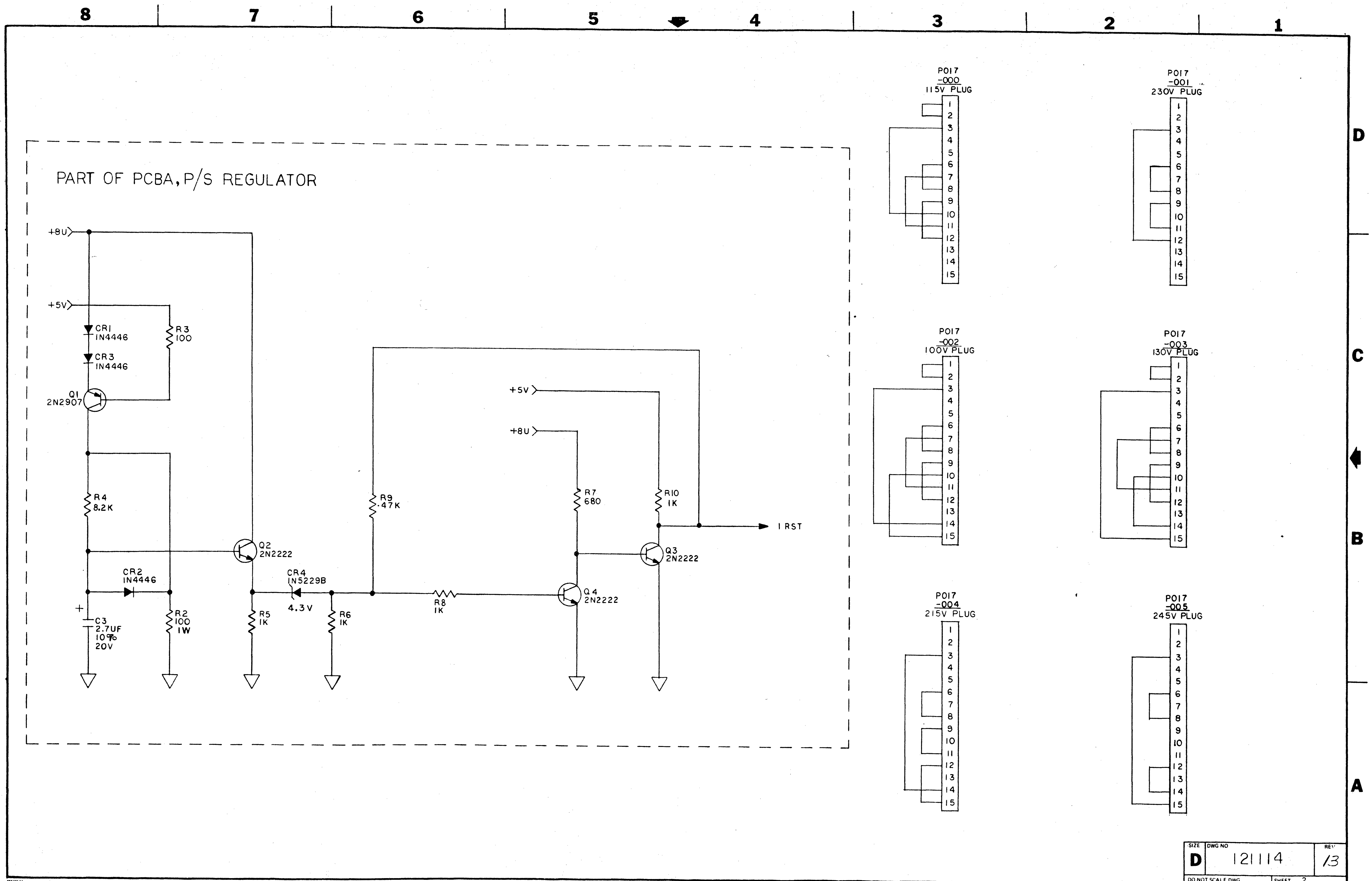
PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

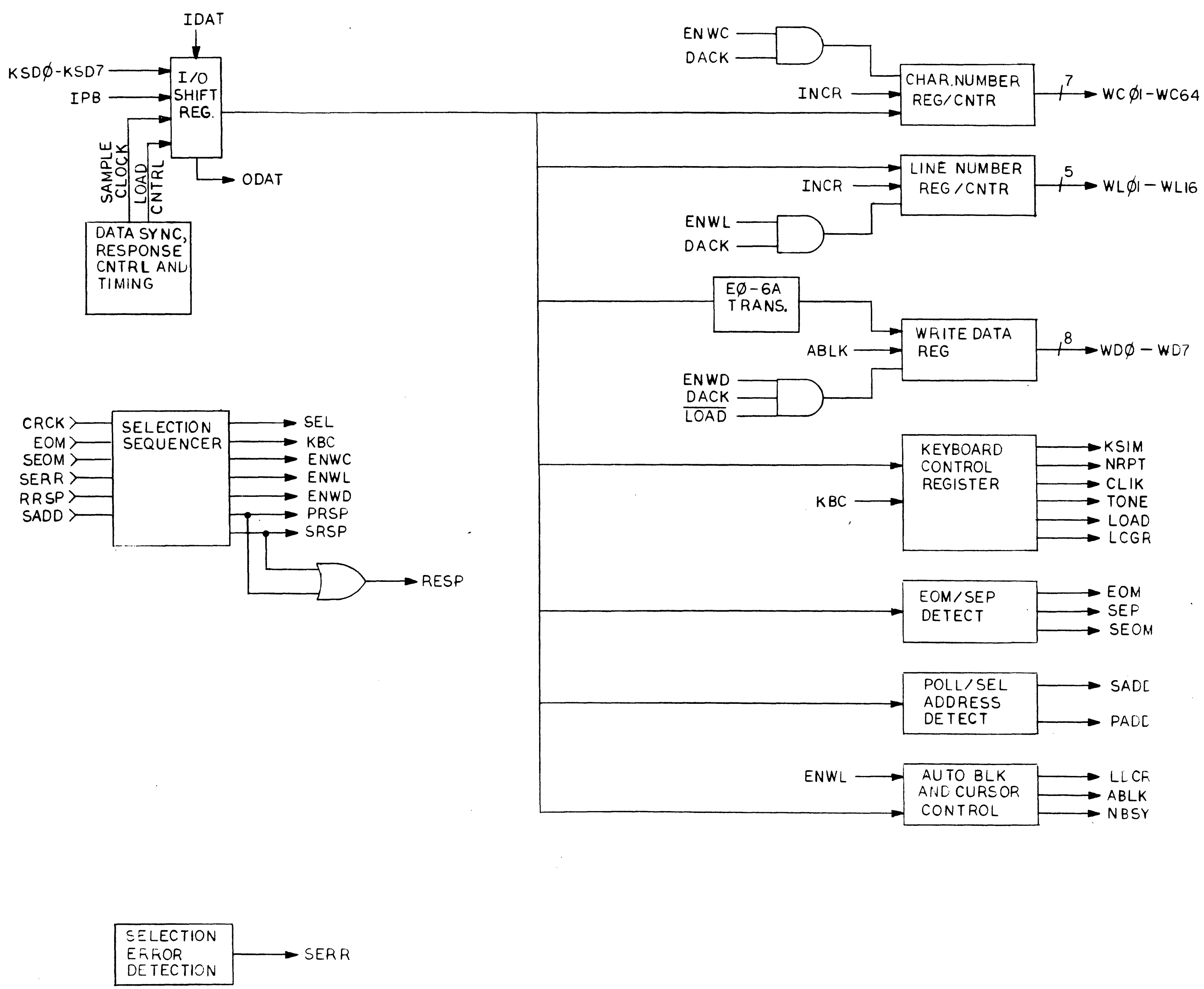
TITLE SCHEM, POWER SUPPLY CRT MONITOR

CODE IDENT. NO.	SIZE	DWG NO.	REV
DC CODE 06	D	121114	13
SCALE ——	DO NOT SCALE DWG	SHEET 1 OF 2	



8
7
6
5
4
3
2
1
D
C
B
A
PART OF PCBA, P/S REGULATOR
+8U
+5V
CR1 1N4446
CR3 1N4446
R3 100
Q1 2N2907
R4 8.2K
CR2 1N4446
C3 2.7UF 10% 20V
R2 100 1W
Q2 2N2222
R5 1K
CR4 1N5229B
4.3V
R6 1K
R9 .47K
R8 1K
+5V
+8U
R7 680
Q4 2N2222
R10 1K
Q3 2N2222
1 RST
P017 -000 115V PLUG
P017 -001 230V PLUG
P017 -002 100V PLUG
P017 -003 130V PLUG
P017 -004 215V PLUG
P017 -005 245V PLUG
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
SIZE D
DWG NO 121114
REV 13
DO NOT SCALE DWG
SHEET 2

BLOCK DIAGRAM — COAX INTERFACE



REVISIONS

SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 262-76		EB	3/17/76
02	INCORP DCO 07719		EB	9/1/76
03	INCORP DCO 07832		EB	9/16/76
04	INCORP DCO 08072		EB	10/19/76
05	INCORP DCO 08957	MV	EB	3/30/77
06	INCORP DCO 09458		EB	7/1/77
07	CODE 10 RELEASE W/O CHANGE PER DCO 10869		EB	

NOTE: UNLESS OTHERWISE SPECIFIED

1 ALL RESISTORS ARE IN OHMS 10% 1/4W

REV STATUS OF SHEETS	SHEET		2	3	4	5	6	7	8	9
	REV	07	07	07	07	07	07	07	07	07

NEXT ASSY	QTY	MODEL	QTY
		3143	
610601	1	3143	1

APPLICATION

DRAWN
CHECK
APPR
RELEASE

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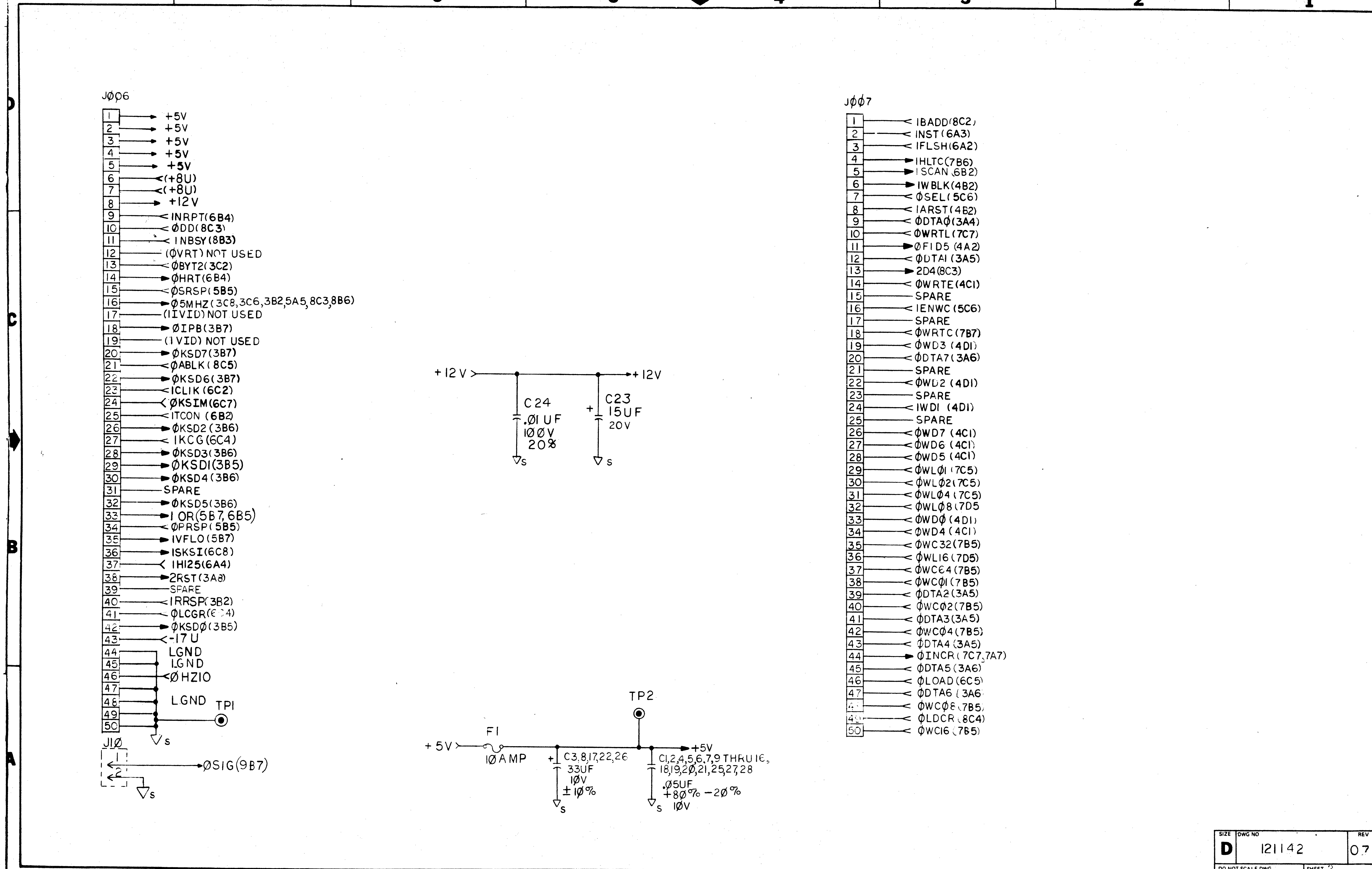
BUSINESS SYSTEMS

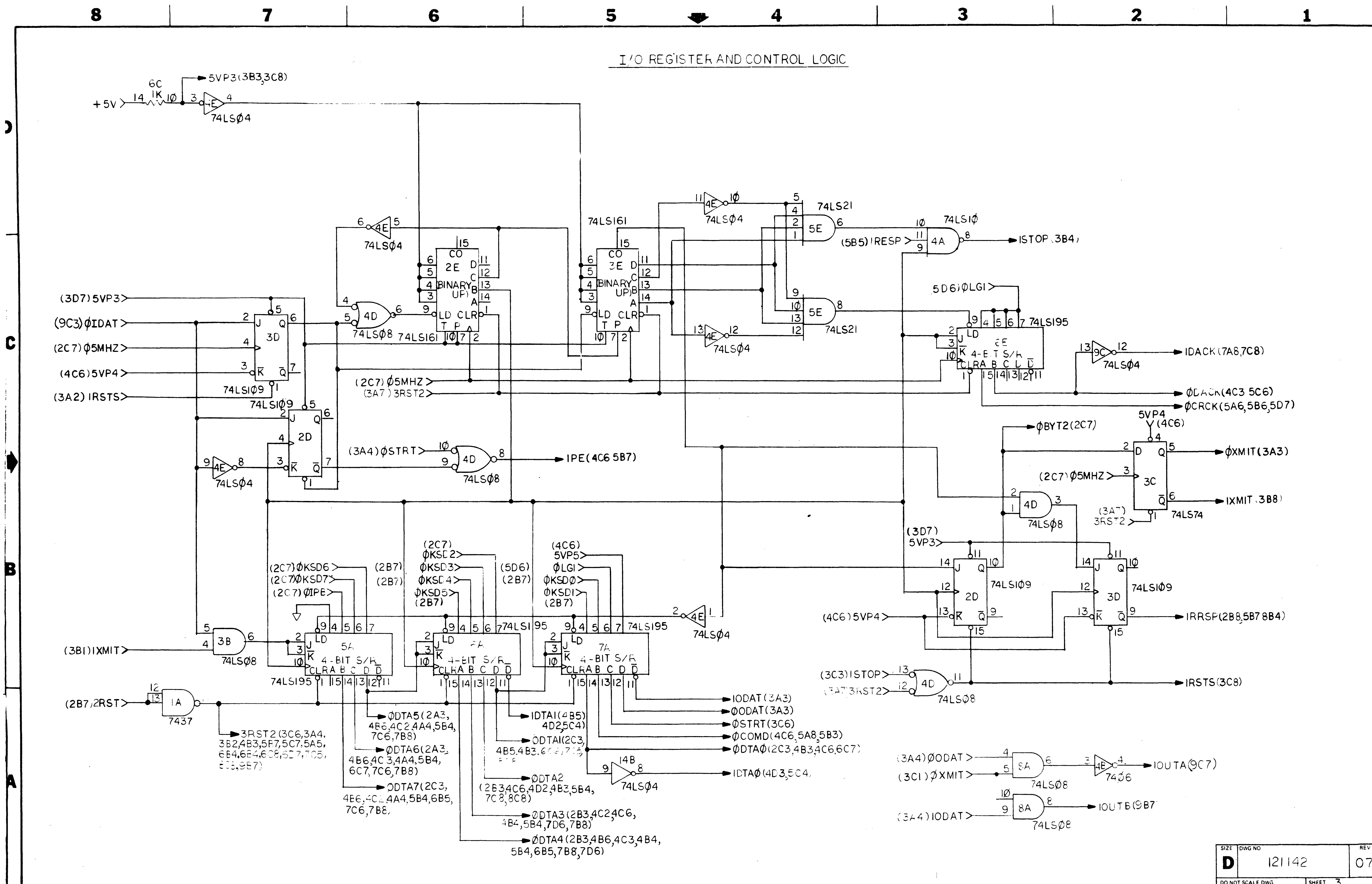
TITLE SCHEMATIC, PCBA COAX INTERFACE

CODE IDENT NO. | DC CODE 10 | SIZE D | DWG NO 121142 | REV 07

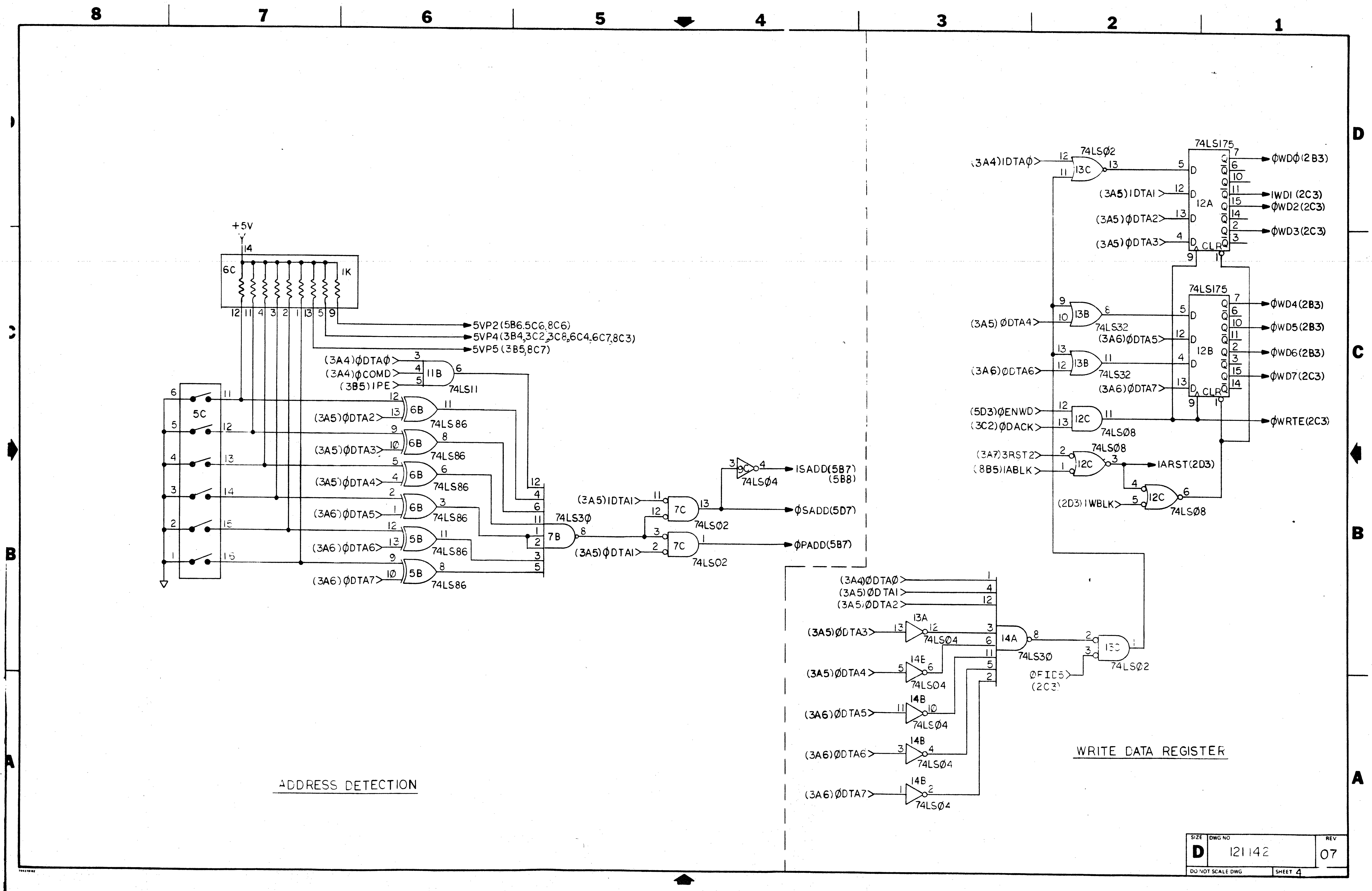
SCALE — | DO NOT SCALE DWG | SHEET 1 OF 9



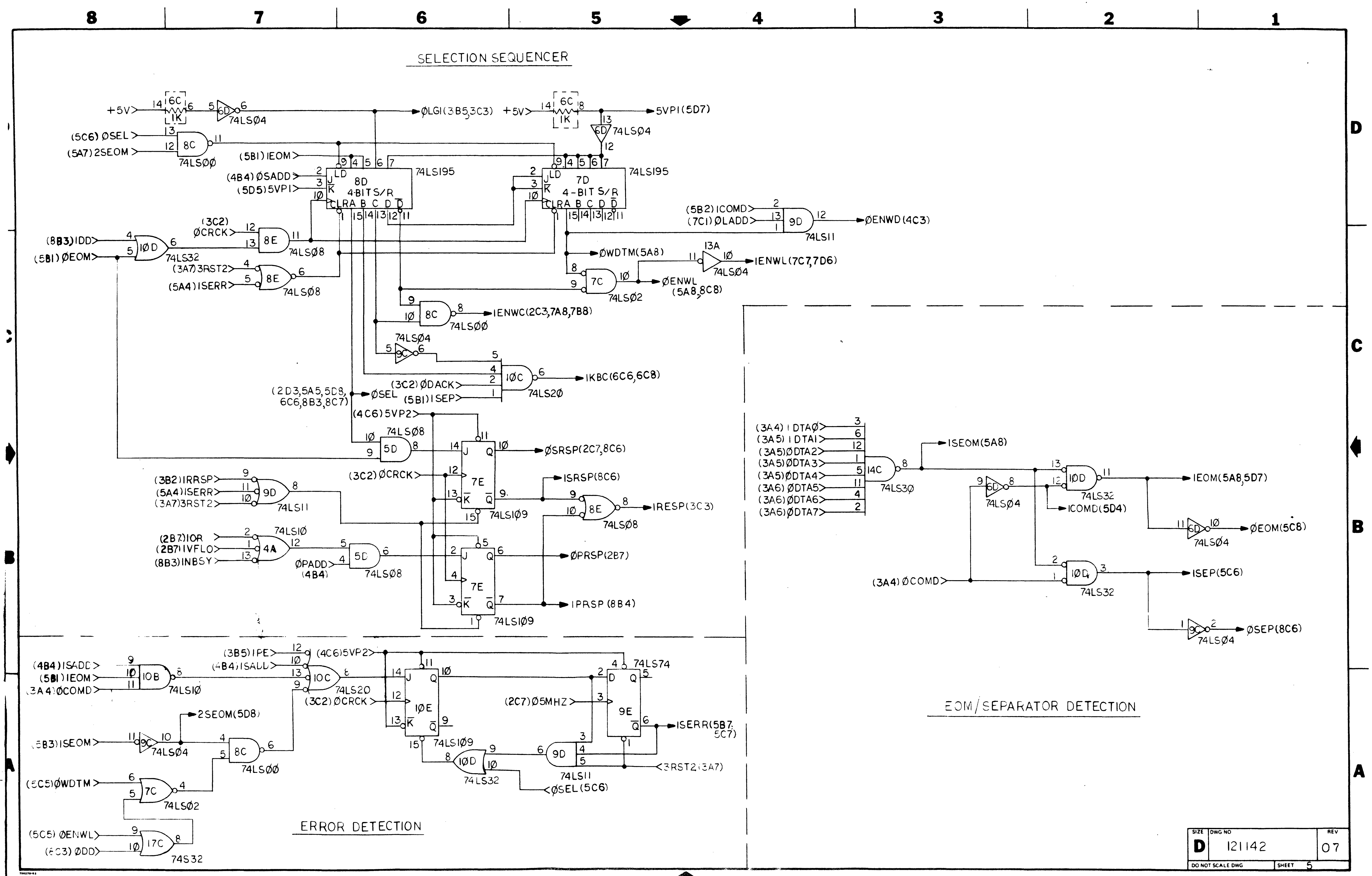
8 7 6 5 4 3 2 1
D C B A
J006
1 +5V
2 +5V
3 +5V
4 +5V
5 +5V
6 (+8U)
7 (+8U)
8 +12V
9 INRPT(6B4)
10 ØDD(8C3)
11 INBSY(8B3)
12 (ØVRT) NOT USED
13 ØBYT2(3C2)
14 ØHRT(6B4)
15 ØSRSP(5B5)
16 Ø5MHZ(3C8,3C6,3B2,5A5,8C3,8B6)
17 (IIVID) NOT USED
18 ØIPB(3B7)
19 (IVID) NOT USED
20 ØKSD7(3B7)
21 ØABLK(8C5)
22 ØKSD6(3B7)
23 ICLIK(6C2)
24 ØKSIM(6C7)
25 ITCON (6B2)
26 ØKSD2(3B6)
27 IKCG(6C4)
28 ØKSD3(3B6)
29 ØKSDI(3B5)
30 ØKSD4(3B6)
31 SPARE
32 ØKSD5(3B6)
33 I OR(5B7,6B5)
34 ØPRSP(5B5)
35 IVFLO(5B7)
36 ISKSI(6C8)
37 IHI25(6A4)
38 2RST(3A8)
39 SPARE
40 IRRSP(3B2)
41 ØLCGR
42 ØKSDØ(3B5)
43 -17U
44 LGND
45 LGND
46 ØHZIO
47
48 LGND
49
50
TPI
S
J1Ø
1
2
ØSIG(9B7)
S
+12V
+12V
C24
.Ø1UF
1ØØV
20%
C23
15UF
20V
S
S
TP2
+5V
F1
1ØAMP
+5V
C3,8,17,22,26
33UF
1ØV
±1Ø%
C1,2,4,5,6,7,9 THRU 16,
18,19,2Ø,21,25,27,28
.Ø5UF
+8Ø% -2Ø%
1ØV
S
S
J007
1 IBADD(8C2)
2 INST(6A3)
3 IFLSH(6A2)
4 IHLTC(7B6)
5 ISCAN(6B2)
6 IWBLK(4B2)
7 ØSEL(5C6)
8 IARST(4B2)
9 ØDTAØ(3A4)
10 ØWRTL(7C7)
11 ØFID5(4A2)
12 ØDTAI(3A5)
13 2D4(8C3)
14 ØWRTE(4C1)
15 SPARE
16 IENWC(5C6)
17 SPARE
18 ØWRTC(7B7)
19 ØWD3(4D1)
20 ØDTA7(3A6)
21 SPARE
22 ØWD2(4D1)
23 SPARE
24 IWDI(4D1)
25 SPARE
26 ØWD7(4C1)
27 ØWD6(4C1)
28 ØWD5(4C1)
29 ØWLØ1(7C5)
30 ØWLØ2(7C5)
31 ØWLØ4(7C5)
32 ØWLØ8(7D5)
33 ØWDØ(4D1)
34 ØWD4(4C1)
35 ØWC32(7B5)
36 ØWL16(7D5)
37 ØWC64(7B5)
38 ØWCØ1(7B5)
39 ØDTA2(3A5)
40 ØWCØ2(7B5)
41 ØDTA3(3A5)
42 ØWCØ4(7B5)
43 ØDTA4(3A5)
44 ØINCR(7C7,7A7)
45 ØDTA5(3A6)
46 ØLOAD(6C5)
47 ØDTA6(3A6)
48 ØWCØ8(7B5)
49 ØLDCR(8C4)
50 ØWC16(7B5)
SIZE D
DWG NO 121142
REV 07
DO NOT SCALE DWG
SHEET 2



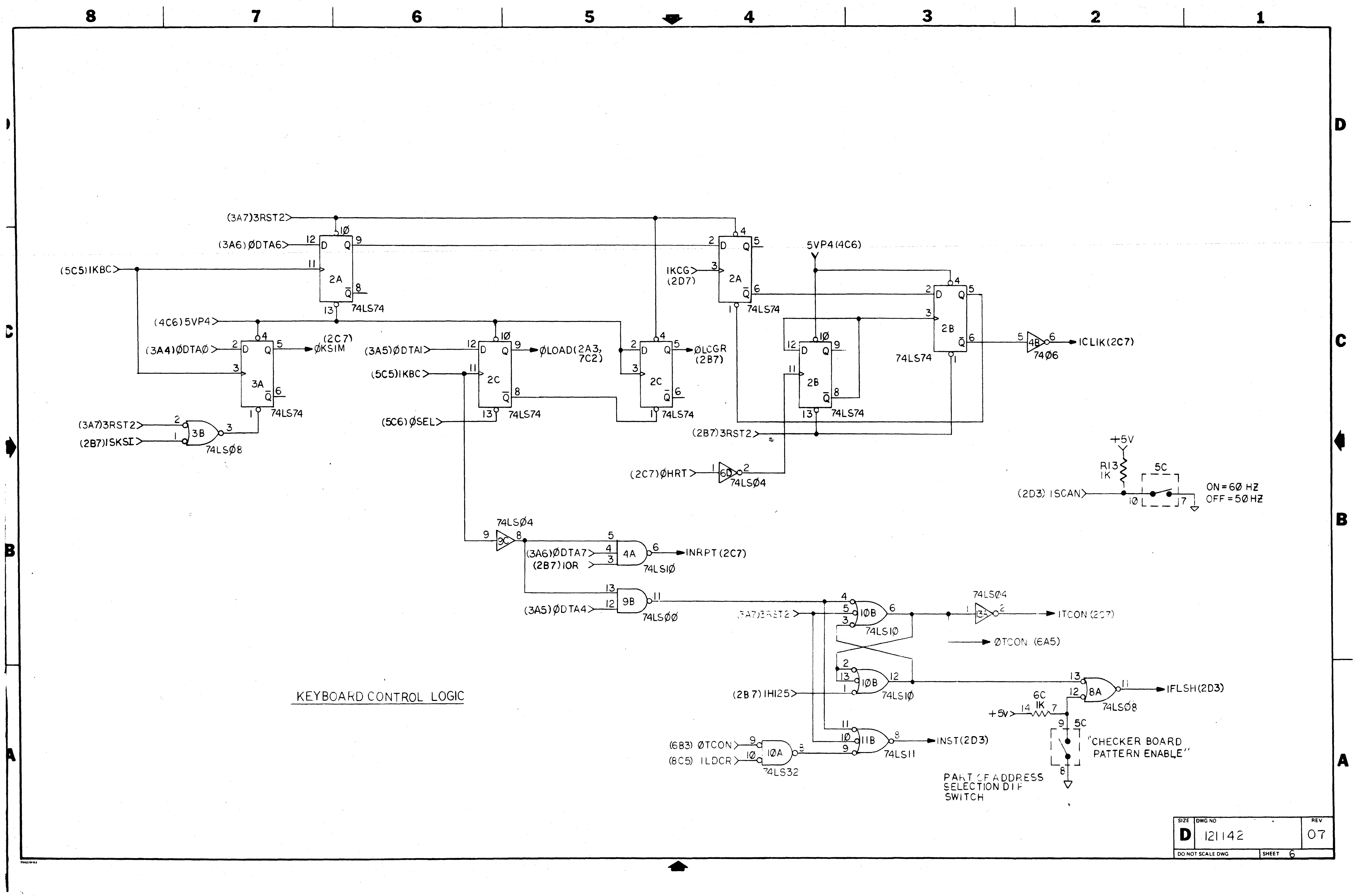
I/O REGISTER AND CONTROL LOGIC
8
7
6
5
4
3
2
1
D
C
B
A
+5V
6C
1K
5VP3(3B3,3C8)
74LS04
74LS161
2E
BINARY UP
3E
74LS21
5E
74LS10
4A
(5B5) IRESP
ISTOP (3B4)
5D6) ØLGI
74LS195
8E
4-BIT S/R
IDACK (7A8,7C8)
ØDACK (4C3 5C6)
ØCRCK (5A6,5B6,5D7)
(3D7) 5VP3
(9C3) ØIDAT
(2C7) Ø5MHZ
(4C6) 5VP4
(3A2) IRSTS
3D
74LS109
2D
4D
74LS08
(2C7) Ø5MHZ
(3A7) 3RST2
(3A4) ØSTRT
IPE (4C6 5B7)
ØBYT2 (2C7)
5VP4 (4C6)
ØXMIT (3A3)
3C
IXMIT (3B8)
74LS74
(3D7) 5VP3
IRRSP (2B8,5B7,8B4)
(4C6) 5VP4
(3C3) ISTOP
(3A7) 3RST2
IRSTS (3C8)
(2C7) ØKSD6
(2C7) ØKSD7
(2C7) ØIPE
(2B7)
(2C7) ØKSD2
ØKSD3
ØKSD4
ØKSD5
(4C6) 5VP5
ØLGI
ØKSD0
ØKSD1
(5D6)
3B
(3B1) IXMIT
5A
6A
7A
(2B7) 2RST
1A
7437
3RST2 (3C6,3A4,3B2,4B3,5B7,5C7,5A5,6B4,6B4,6C8,6C7,7C5,8C6,8B7)
ØDTA5 (2A3,4B6,4C2,4A4,5B4,7C6,7B8)
ØDTA6 (2A3,4B6,4C3,4A4,5B4,6C7,7C6,7B8)
ØDTA7 (2C3,4B6,4C3,4A4,5B4,6B5,7C6,7B8)
IDTA1 (4B5) 4D2,5C4)
ØDTA1 (2C3,4B5,4B3)
ØDTA2 (2B3,4C6,4D2,4B3,5B4,7C8,8C8)
ØDTA3 (2B3,4C2,4C6,4B4,5B4,7D6,7B8)
ØDTA4 (2B3,4B6,4C3,4B4,5B4,6B5,7B8,7D6)
IODAT (3A3)
ØODAT (3A3)
ØSTRT (3C6)
ØCOMD (4C6,5A8,5B3)
ØDTA0 (2C3,4B3,4C6,6C7)
14B
IDTA0 (4D3,5C4)
(3A4) ØODAT
(3C1) ØXMIT
8A
7406
IOUTA (9C7)
(3A4) IODAT
IOUTB (9B7)
SIZE D
DWG NO 121142
REV 07
DO NOT SCALE DWG
SHEET 3



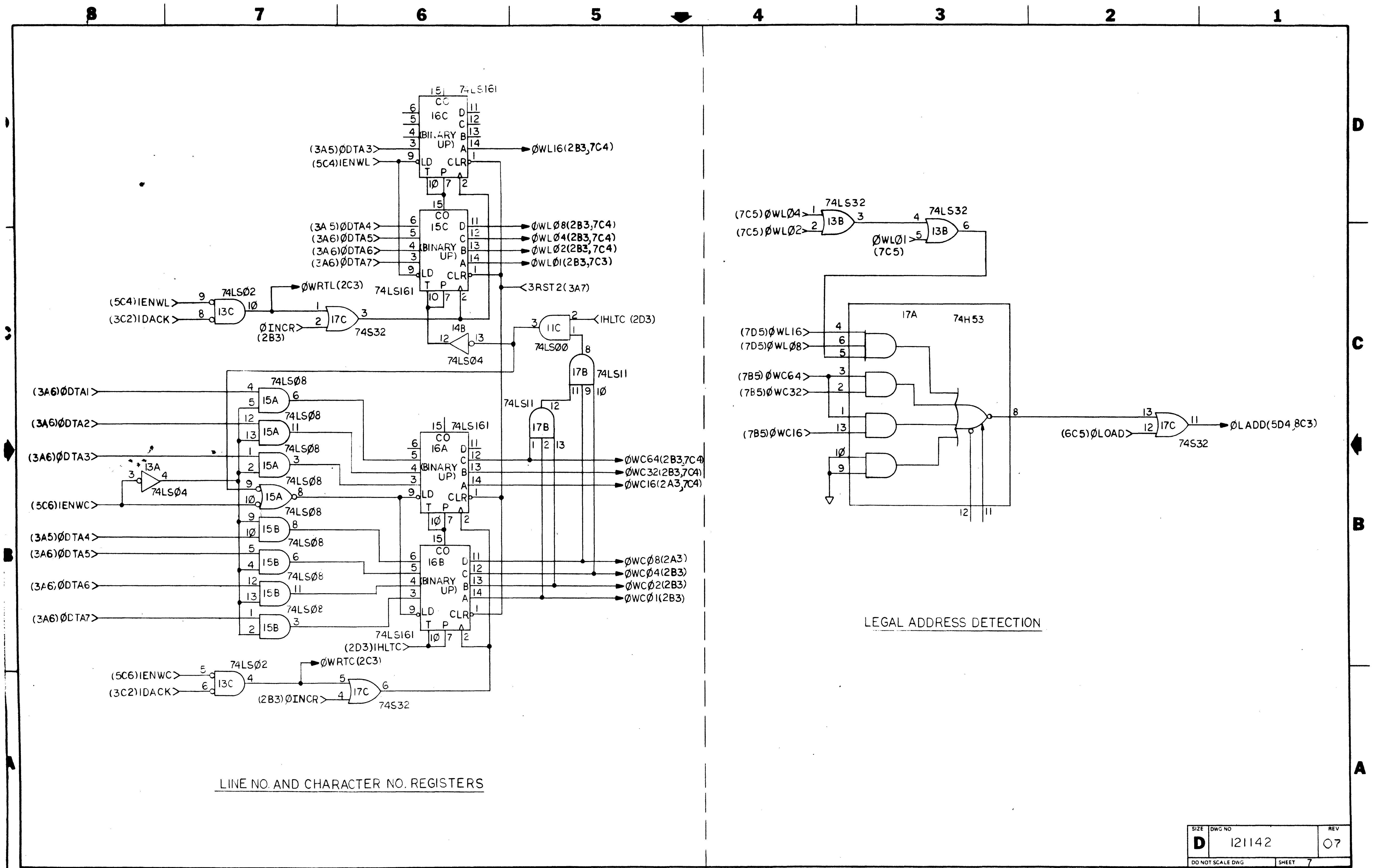
SIZE	DWG NO	REV
D	121142	07
DO NOT SCALE DWG	SHEET 4	

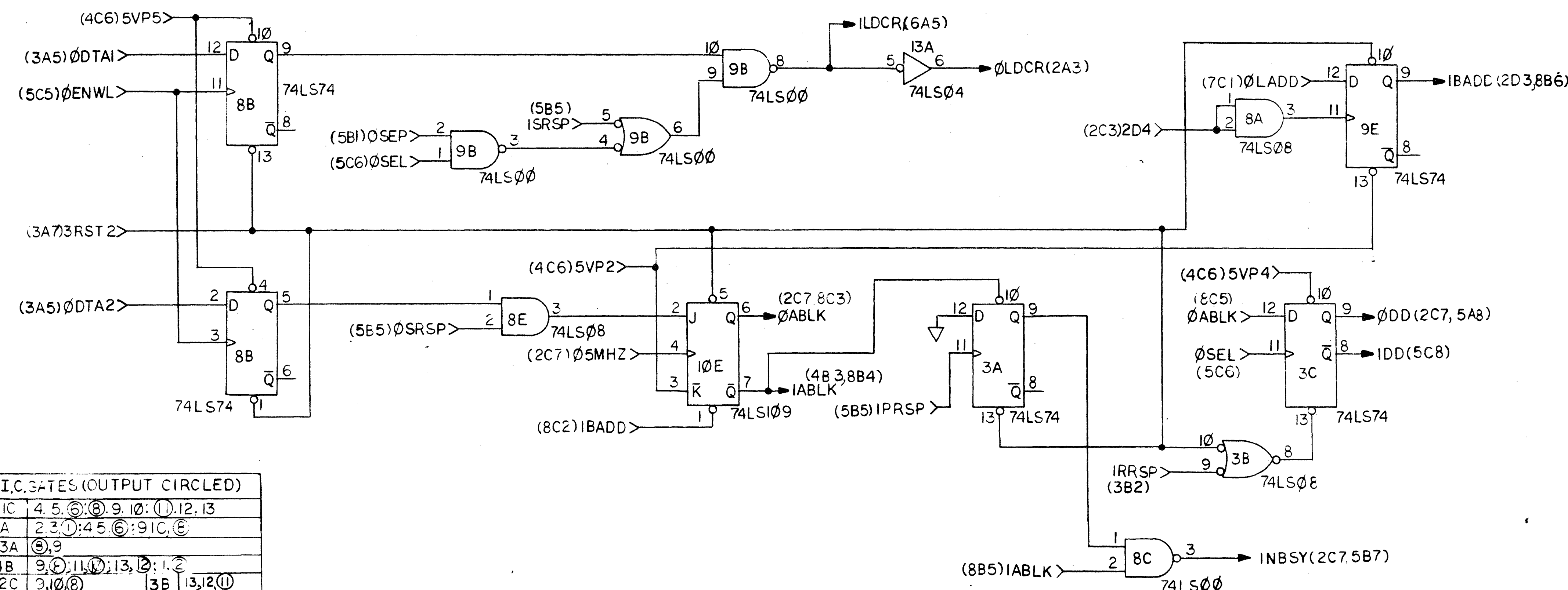


8
7
6
5
4
3
2
1
D
C
B
A
SELECTION SEQUENCER
+5V
6C
1K
6D
74LSØ4
ØLGI(3B5,3C3)
5VPI(5D7)
(5C6) ØSEL
(5A7) 2SEOM
8C
74LSØØ
(5B1) IEOM
(4B4) ØSADD
(5D5) 5VPI
8D
4-BITS/R
74LS195
7D
4-BIT S/R
(5B2) ICOMD
(7C1) ØLADD
9D
74LS11
ØENWD(4C3)
(3C2) ØCRCK
8E
74LSØ8
(8B3) IDD
(5B1) ØEOM
10D
74LS32
(3A7) 3RST2
(5A4) ISERR
ØWDTM(5A8)
13A
IENWL(7C7,7D6)
7C
74LSØ2
ØENWL (5A8,8C8)
IENWC(2C3,7A8,7B8)
9C
10C
74LS20
(3C2) ØDACK
(5B1) ISEP
IKBC(6C6,6C8)
(2D3,5A5,5D8, 6C6,8B3,8C7)
ØSEL
(4C6) 5VP2
5D
7E
74LS1Ø9
ØSRSP(2C7,8C6)
ISRSP(8C6)
IRESP(3C3)
(3B2) IRRSP
(5A4) ISERR
(3A7) 3RST2
(2B7) IOR
(2B7) IVFLO
(8B3) INBSY
4A
74LS1Ø
ØPADD (4B4)
ØPRSP(2B7)
IPRSP (8B4)
(3A4) IDTAØ
(3A5) IDTA1
(3A5) ØDTA2
(3A5) ØDTA3
(3A5) ØDTA4
(3A6) ØDTA5
(3A6) ØDTA6
(3A6) ØDTA7
14C
74LS3Ø
ISEOM(5A8)
IEOM(5A8,5D7)
ICOMD(5D4)
ØEOM(5C8)
(3A4) ØCOMD
ISEP(5C6)
ØSEP(8C6)
(4B4) ISADD
(5B1) IEOM
(3A4) ØCOMD
10B
(3B5) IPE
(4B4) ISADD
10E
74LS74
(2C7) Ø5MHZ
9E
ISERR(5B7, 5C7)
(5B3) ISEOM
2SEOM(5D8)
(5C5) ØWDTM
3RST2 (3A7)
ØSEL (5C6)
(5C5) ØENWL
(6C3) ØDD
17C
74S32
ERROR DETECTION
EOM/SEPARATOR DETECTION
SIZE
D
DWG NO
121142
REV
07
DO NOT SCALE DWG
SHEET 5



8 7 6 5 4 3 2 1
D C B A
(3A7)3RST2
(3A6)ØDTA6
(5C5)IKBC
2A
74LS74
(4C6)5VP4
(3A4)ØDTAØ
3A
ØKSIM
(2C7)
(3A7)3RST2
(2B7)ISKSI
3B
74LS08
(3A5)ØDTA1
(5C5)IKBC
2C
ØLOAD(2A3, 7C2)
(5C6)ØSEL
ØLCGR (2B7)
IKCG (2D7)
5VP4(4C6)
2B
4B
7406
ICLIK(2C7)
(2B7)3RST2
(2C7)ØHRT
6D
74LSØ4
+5V
R13 1K
5C
(2D3) ISCAN
ON=6Ø HZ
OFF=5Ø HZ
74LSØ4
9C
(3A6)ØDTA7
(2B7)IOR
4A
74LS1Ø
INRPT(2C7)
9B
(3A5)ØDTA4
74LSØØ
(3A7)3RST2
10B
74LS1Ø
13
ITCON(2C7)
ØTCON (6A5)
(2B7)IHI25
8A
74LSØ8
IFLSH(2D3)
+5V
6C 1K
"CHECKER BOARD PATTERN ENABLE"
(6B3) ØTCON
(8C5) ILDCR
1ØA
74LS32
11B
74LS11
INST(2D3)
PART OF ADDRESS SELECTION DIP SWITCH
KEYBOARD CONTROL LOGIC
SIZE D
DWG NO 121142
REV 07
DO NOT SCALE DWG
SHEET 6

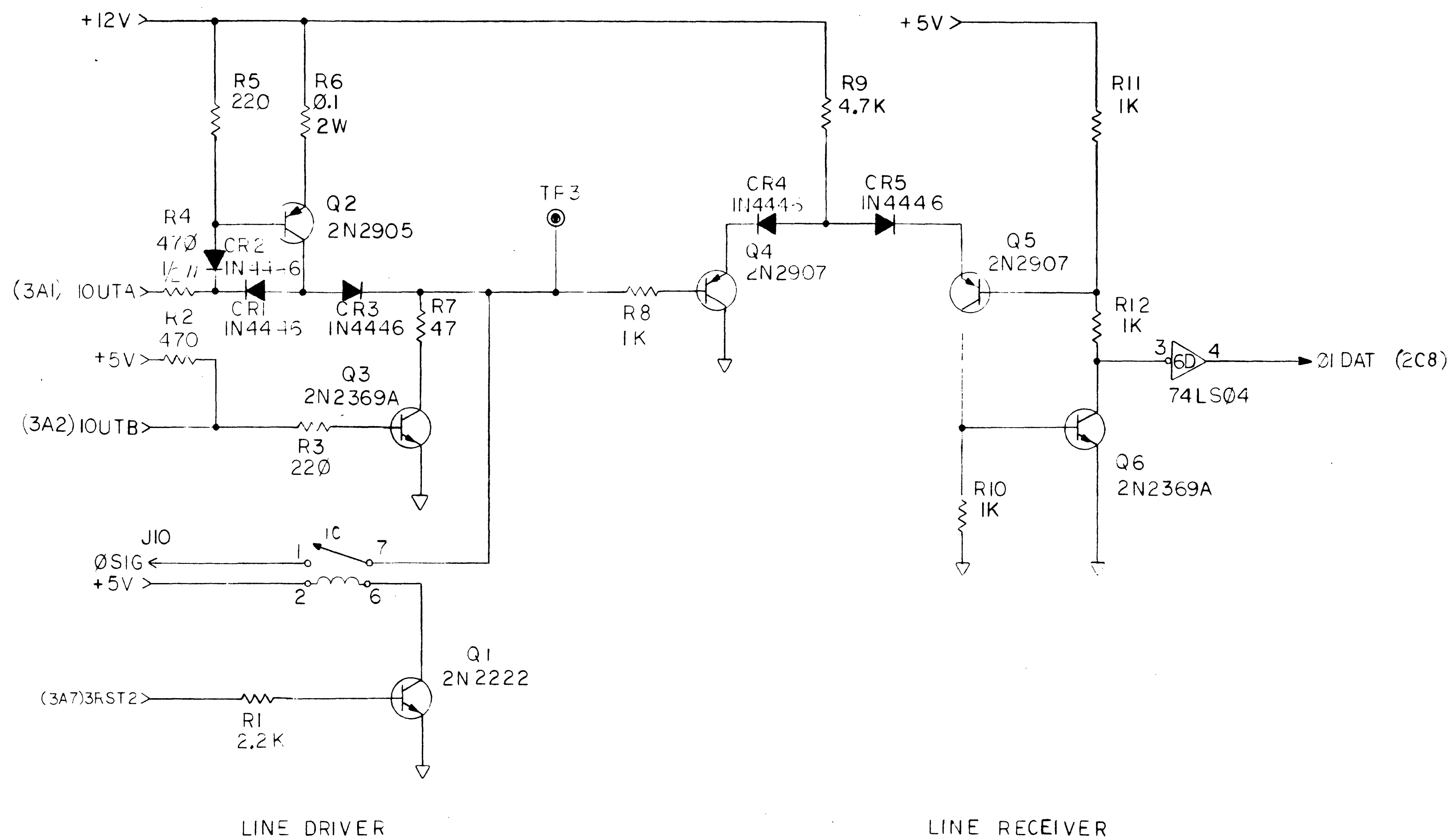

(3A5)ØDTA3
(5C4)IENWL
16C
BINARY UP
74LS161
ØWL16(2B3,7C4)
(3A5)ØDTA4
(3A6)ØDTA5
(3A6)ØDTA6
(3A6)ØDTA7
15C
ØWLØ8(2B3,7C4)
ØWLØ4(2B3,7C4)
ØWLØ2(2B3,7C4)
ØWLØ1(2B3,7C3)
3RST2(3A7)
(5C4)IENWL
(3C2)IDACK
74LSØ2
13C
ØWRTL(2C3)
ØINCR (2B3)
17C
74S32
14B
74LSØ4
11C
74LSØØ
IHLTC (2D3)
17B
74LS11
(3A6)ØDTA1
(3A6)ØDTA2
(3A6)ØDTA3
13A
74LSØ4
(5C6)IENWC
(3A5)ØDTA4
(3A6)ØDTA5
(3A6)ØDTA6
(3A6)ØDTA7
74LSØ8
15A
15B
16A
16B
ØWC64(2B3,7C4)
ØWC32(2B3,7C4)
ØWC16(2A3,7C4)
ØWCØ8(2A3)
ØWCØ4(2B3)
ØWCØ2(2B3)
ØWCØ1(2B3)
(2D3)IHLTC
(5C6)IENWC
(3C2)IDACK
ØWRTC(2C3)
(2B3)ØINCR
LINE NO. AND CHARACTER NO. REGISTERS
(7C5)ØWLØ4
(7C5)ØWLØ2
74LS32
13B
ØWLØ1 (7C5)
17A
74H53
(7D5)ØWL16
(7D5)ØWLØ8
(7B5)ØWC64
(7B5)ØWC32
(7B5)ØWC16
(6C5)ØLOAD
ØLADD(5D4,8C3)
LEGAL ADDRESS DETECTION
SIZE D
DWG NO 121142
REV 07
DO NOT SCALE DWG
SHEET 7



SPARE I.C. GATES (OUTPUT CIRCLED)				
74LS22	11C	4.5.6:8.9.1Ø:11.12.13		
7437	A	2.3.1:4.5.6:9.1C.8		
74LSØ4	13A	8,9		
74Ø6	4B	9,8;11,1Ø;13,12;1,2		
74LSØ8	12C	9,1Ø,8	3B	13,12,11
	5D	1,2,3;12,13,11		
74LS11	11B	1,2,13,12		
	17B	3,4,5,6		
74LS32	1ØA	1.2,3:4.5,6;11.12.13		
74LS86	5B	1,2,3:4,5,6		
SPARE IC LOCATIONS				
14 PIN	4C			
16 PIN	3A,1ØA, 1D,16D,17D,15E,16E			

AUTO BLANK AND CURSOR CONTROL

SIZE	DWG NO	REV
D	121142	07
DO NOT SCALE DWG	SHEET 8	



SIZE	DWG NO	REV
D	121142	07
DO NOT SCALE DWG	SHEET 9	

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 4112-78		EB	5/31/78
02	INCORP DCO 07863	DD	TLR EB	8/21/78
03	INCORP DCO 07940	DD	EB	9/15/78
04	INCORP DCO 08170	DD	TLR EB	10/13/78
05	INCORP DCO 08414	BM	TD EB	1/5/79
06	INCORP DCO 08907	MV	EB	3/27/79
07	INCORP DCO 09254	BM	TLR EB	10/17/79
08	INCORP DCO 10572	BM	EB	3/28/80
09	CODE 10 RELEASE W/O CHANGE PER DCO 10869	KA	EB	6/15/80

NOTE: UNLESS OTHERWISE SPECIFIED

SPARE IC CHART

NOTE: CIRCLED PIN NUMBERS ARE OUTPUTS		
TYPE	LOCATION	PINS
74LS00	15B	8,9,10
74LS04	5B	5,6
74S04	14B	3,4; 10,11
74LS08	15D	1,2,3; 4,5,6
74LS10	6B 8C	1,2,12,13 1,2,12,13
74LS32	1E	11,12,13
74LS86	7E	4,5,6; 8,9,10
7437	4B	8,9,10; 11,12,13
74H10	5D	8,9 10 11
74S112	7A	1,2,3,4,5,6,15
SPARE LOCATIONS	1A, 15A	

SHEET											
REV											
REV STATUS OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10
	REV	09	09	09	09	09	09	09	09	09	09

		3143	–
261062		4143	–
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	J. MINTZER	5-1-78
CHECK		5-1-78
APPR		5-23-78
RELEASE		5/31/78

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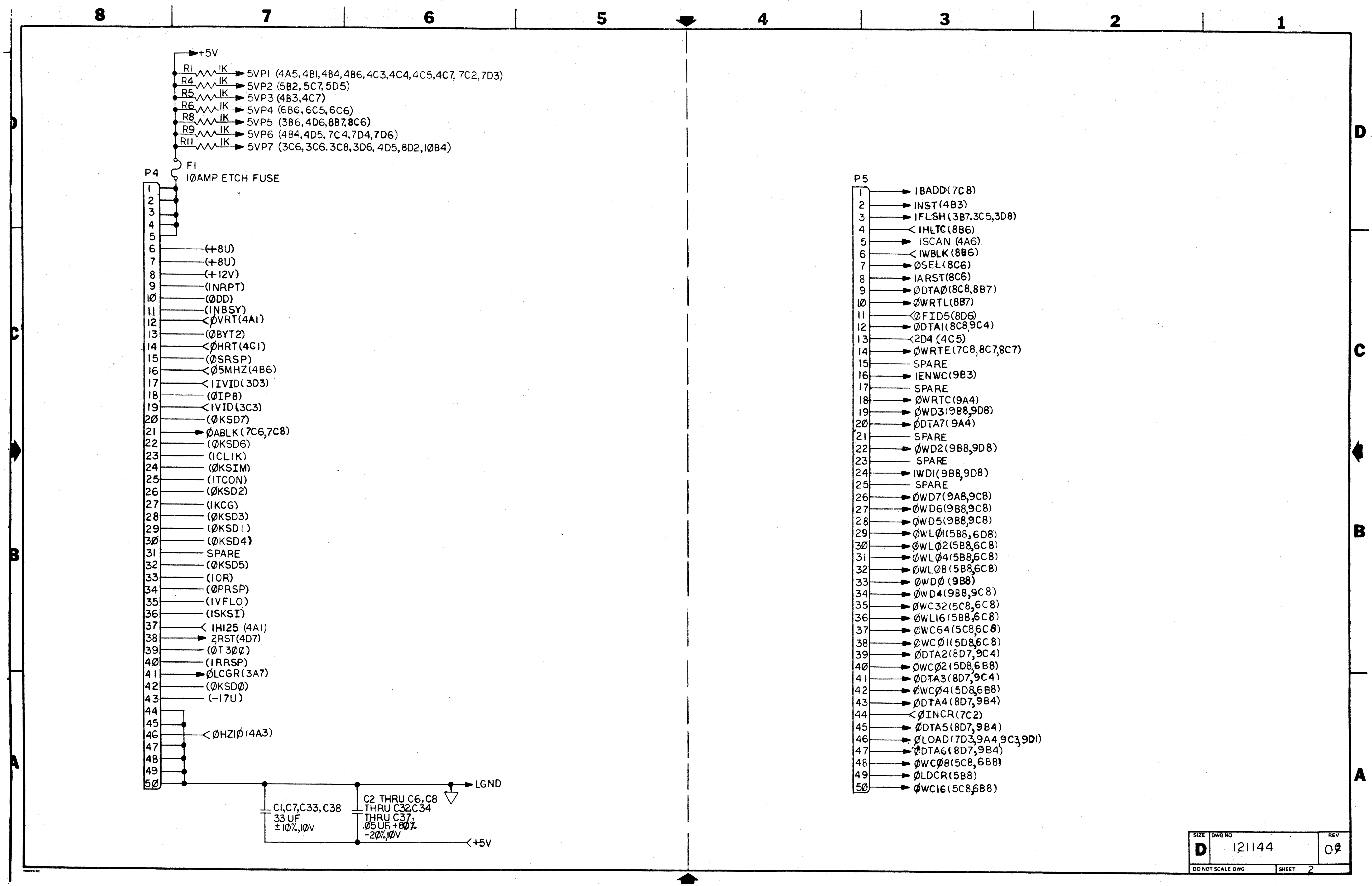
PCC BUSINESS SYSTEMS

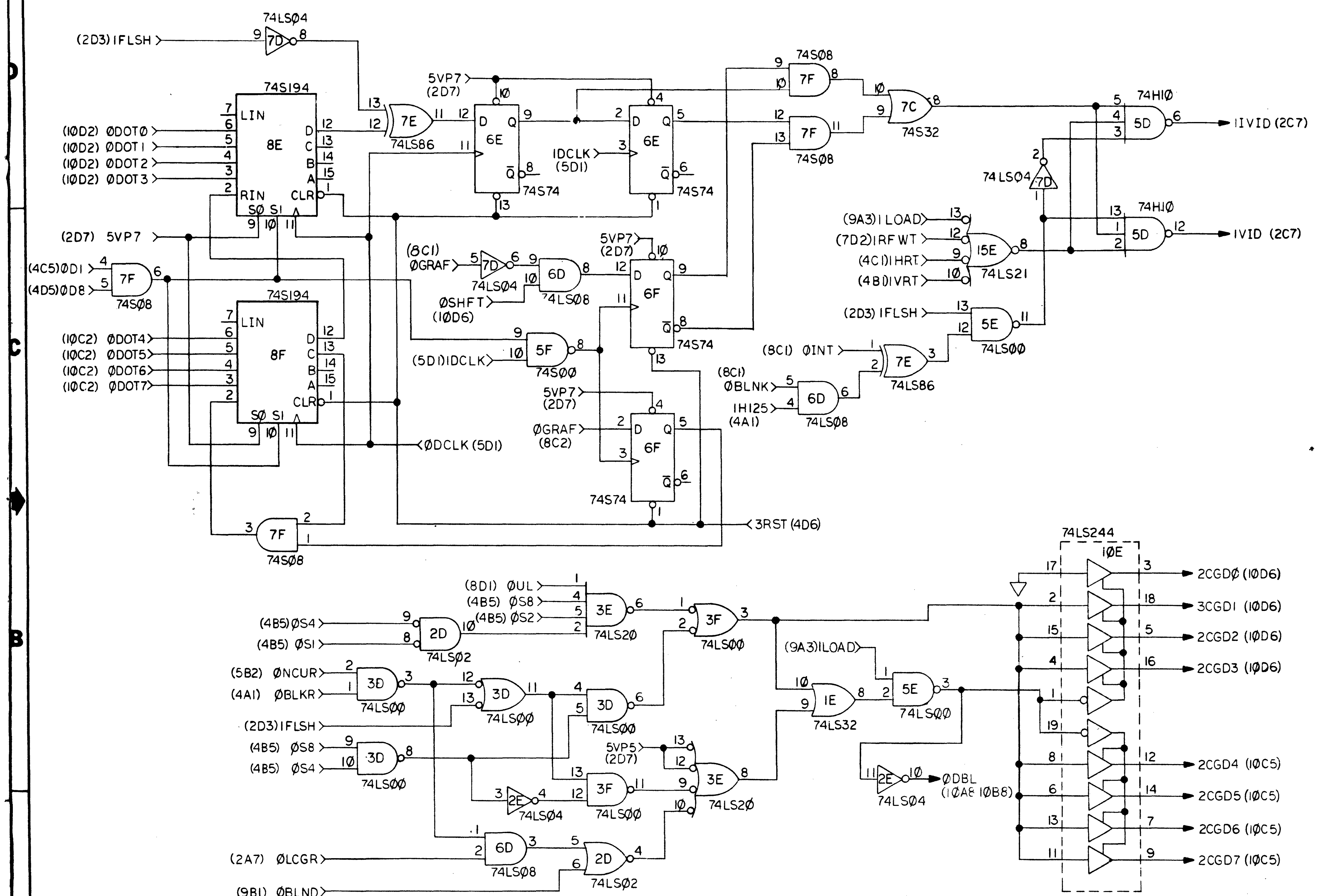
a Division of Pertec Computer Corporation

TITLE SCHEM, PCBA DISPLAY LOGIC

CODE IDENT. NO.	SIZE	DWG NO	REV
DC CODE 10	D	121144	09
SCALE —	DO NOT SCALE DWG	SHEET 1	OF 10

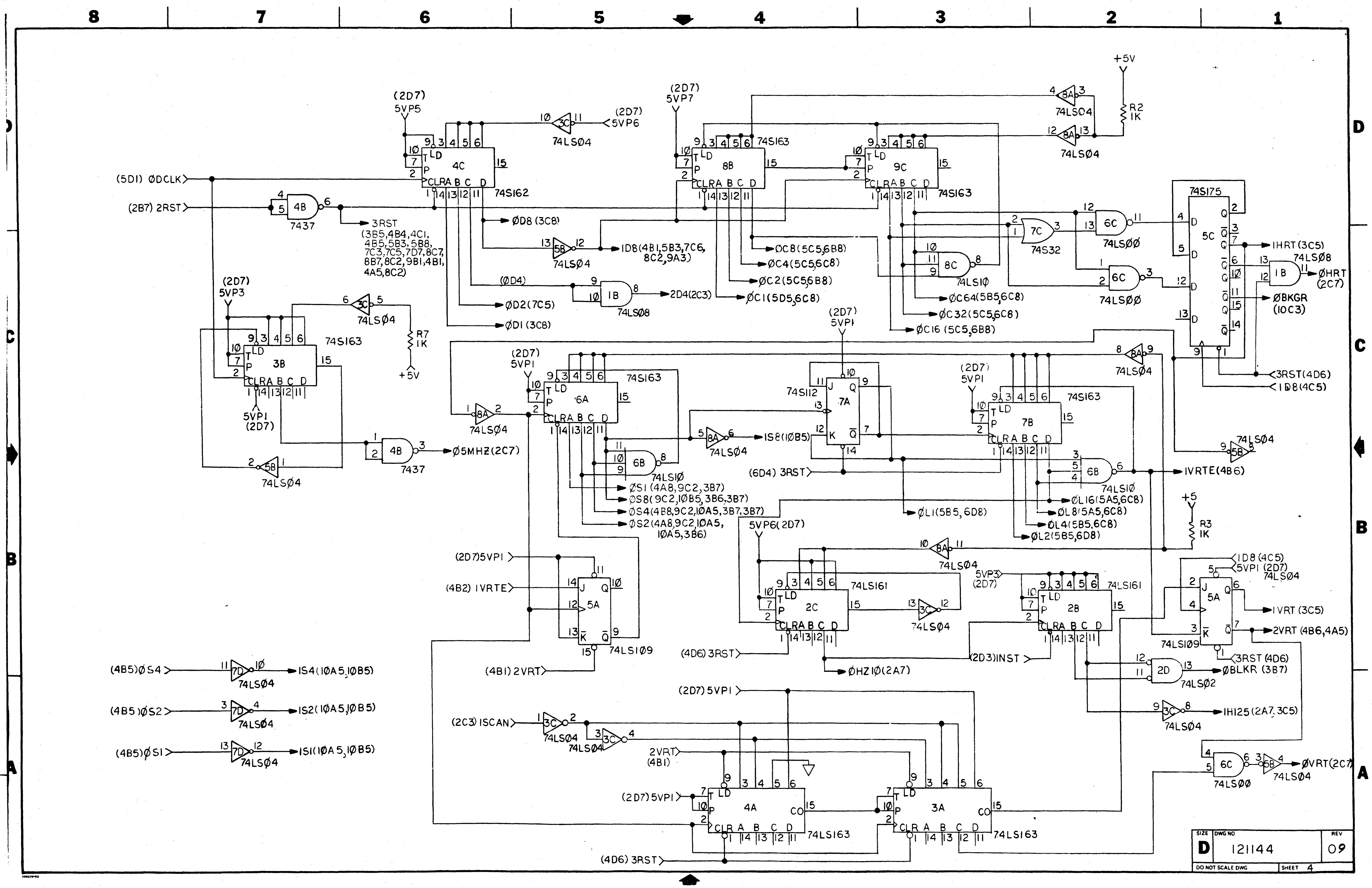


8 7 6 5 4 3 2 1
D C B A
+5V
R1 IK 5VP1 (4A5, 4B1, 4B4, 4B6, 4C3, 4C4, 4C5, 4C7, 7C2, 7D3)
R4 IK 5VP2 (5B2, 5C7, 5D5)
R5 IK 5VP3 (4B3, 4C7)
R6 IK 5VP4 (6B6, 6C5, 6C6)
R8 IK 5VP5 (3B6, 4D6, 8B7, 8C6)
R9 IK 5VP6 (4B4, 4D5, 7C4, 7D4, 7D6)
R11 IK 5VP7 (3C6, 3C6. 3C8, 3D6, 4D5, 8D2, 10B4)
F1
10AMP ETCH FUSE
P4
1 2 3 4 5
6 (+8U)
7 (+8U)
8 (+12V)
9 (INRPT)
10 (ØDD)
11 (INBSY)
12 ØVRT(4A1)
13 (ØBYT2)
14 ØHRT(4C1)
15 (ØSRSP)
16 Ø5MHZ(4B6)
17 IIVID(3D3)
18 (ØIPB)
19 IVID(3C3)
20 (ØKSD7)
21 ØABLK(7C6, 7C8)
22 (ØKSD6)
23 (ICLIK)
24 (ØKSIM)
25 (ITCON)
26 (ØKSD2)
27 (IKCG)
28 (ØKSD3)
29 (ØKSD1)
30 (ØKSD4)
31 SPARE
32 (ØKSD5)
33 (IOR)
34 (ØPRSP)
35 (IVFLO)
36 (ISKSI)
37 IHI25 (4A1)
38 2RST(4D7)
39 (ØT300)
40 (IRRSP)
41 ØLCGR(3A7)
42 (ØKSD0)
43 (-17U)
44 45 46 47 48 49 50
ØHZ10 (4A3)
LGND
C1, C7, C33, C38
33 UF
±10%, 10V
C2 THRU C6, C8
THRU C32, C34
THRU C37,
.05UF, +80%
-20%, 10V
+5V
P5
1 IBADD(7C8)
2 INST(4B3)
3 IFLSH(3B7, 3C5, 3D8)
4 IHLTC(8B6)
5 ISCAN (4A6)
6 IWBLK(8B6)
7 ØSEL(8C6)
8 IARST(8C6)
9 ØDTA0(8C8, 8B7)
10 ØWRTL(8B7)
11 ØFID5(8D6)
12 ØDTA1(8C8, 9C4)
13 2D4 (4C5)
14 ØWRTE(7C8, 8C7, 8C7)
15 SPARE
16 IENWC(9B3)
17 SPARE
18 ØWRTC(9A4)
19 ØWD3(9B8, 9D8)
20 ØDTA7(9A4)
21 SPARE
22 ØWD2(9B8, 9D8)
23 SPARE
24 IWD1(9B8, 9D8)
25 SPARE
26 ØWD7(9A8, 9C8)
27 ØWD6(9B8, 9C8)
28 ØWD5(9B8, 9C8)
29 ØWL01(5B8, 6D8)
30 ØWL02(5B8, 6C8)
31 ØWL04(5B8, 6C8)
32 ØWL08(5B8, 6C8)
33 ØWD0 (9B8)
34 ØWD4(9B8, 9C8)
35 ØWC32(5C8, 6C8)
36 ØWL16(5B8, 6C8)
37 ØWC64(5C8, 6C8)
38 ØWC01(5D8, 6C8)
39 ØDTA2(8D7, 9C4)
40 ØWC02(5D8, 6B8)
41 ØDTA3(8D7, 9C4)
42 ØWC04(5D8, 6B8)
43 ØDTA4(8D7, 9B4)
44 ØINCR(7C2)
45 ØDTA5(8D7, 9B4)
46 ØLOAD(7D3, 9A4, 9C3, 9D1)
47 ØDTA6(8D7, 9B4)
48 ØWC08(5C8, 6B8)
49 ØLDCR(5B8)
50 ØWC16(5C8, 6B8)
SIZE D
DWG NO 121144
REV 09
DO NOT SCALE DWG
SHEET 2

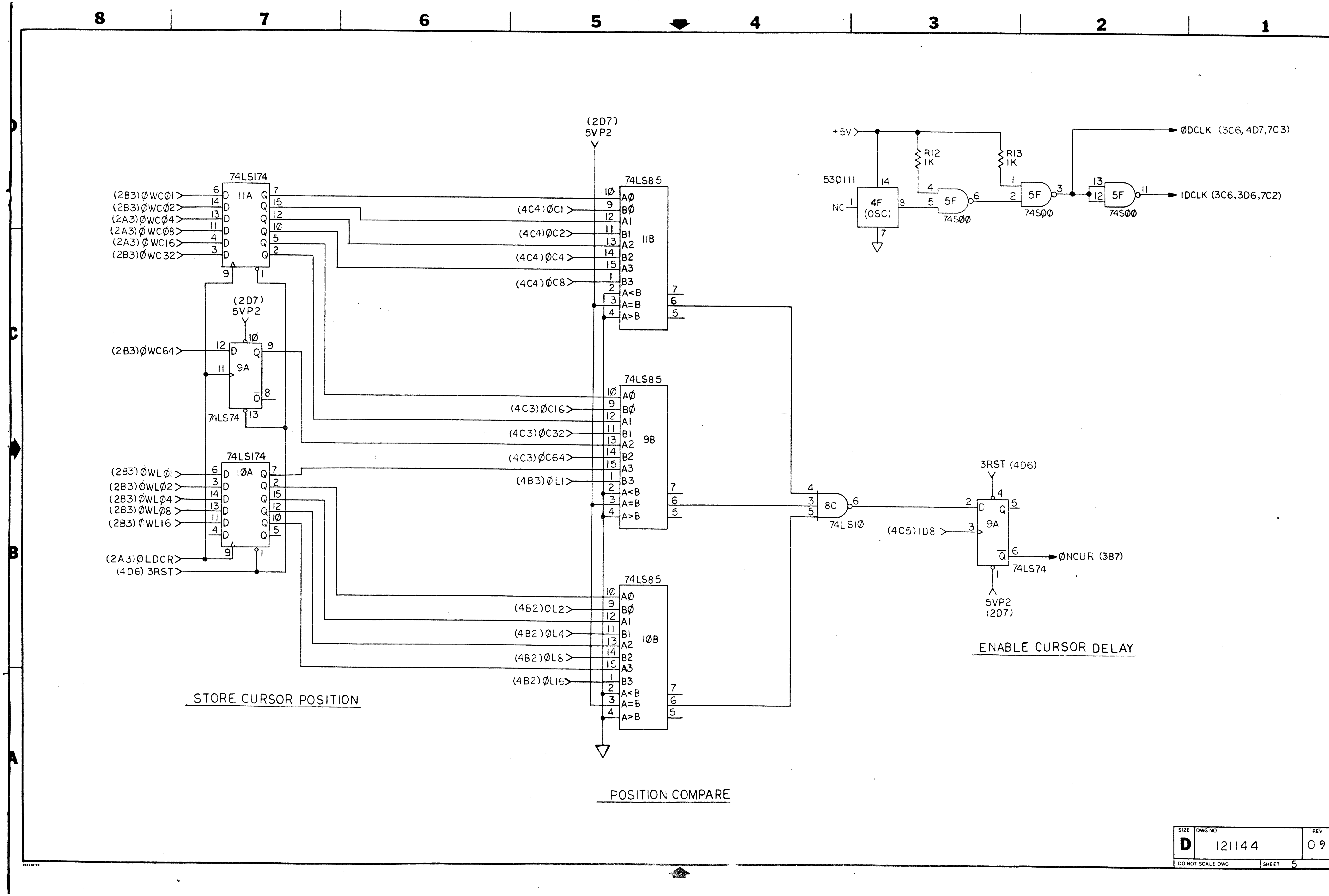


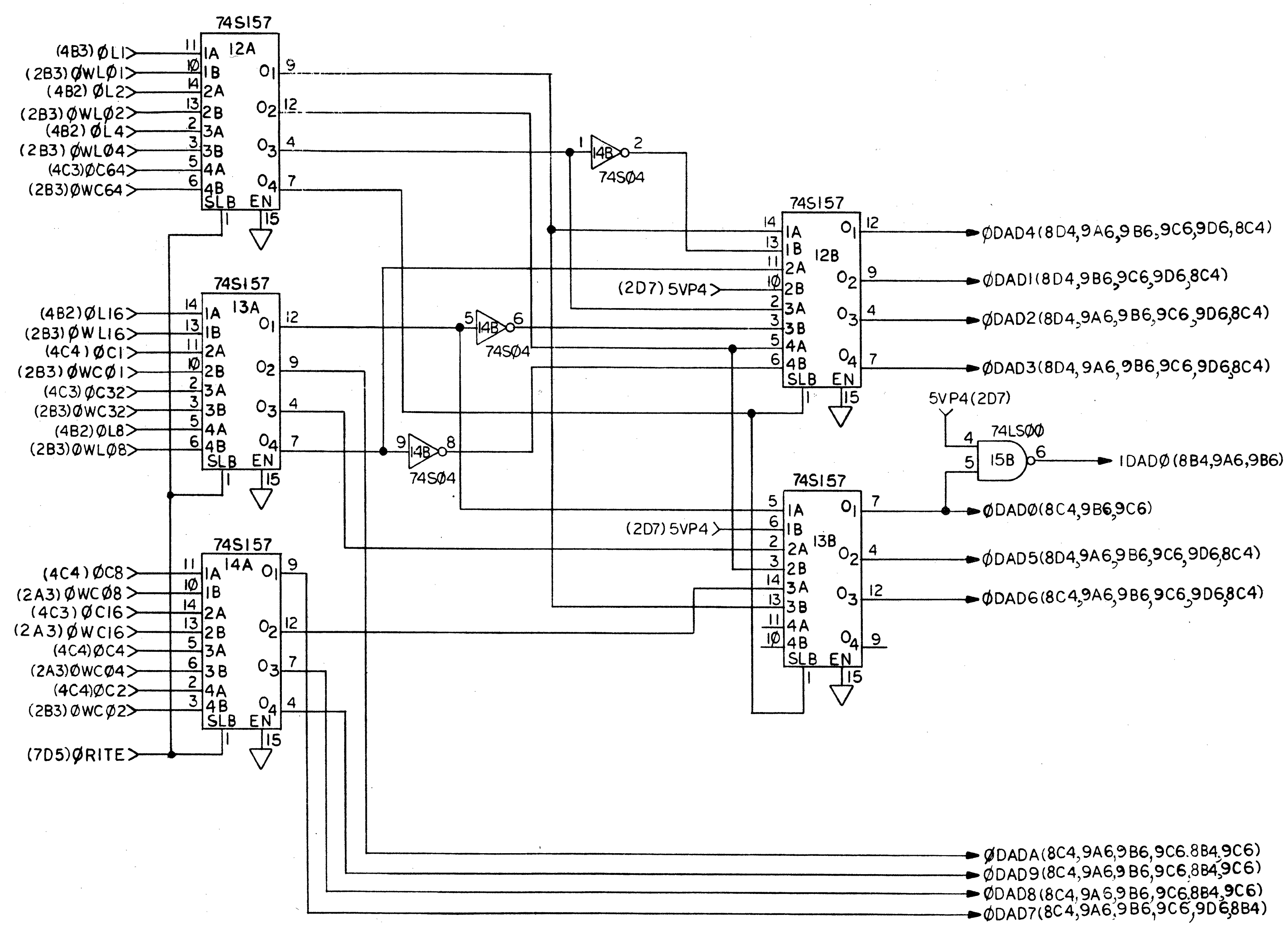
SIZE	DWG NO	REV
D	121144	09

DO NOT SCALE DWG SHEET 3



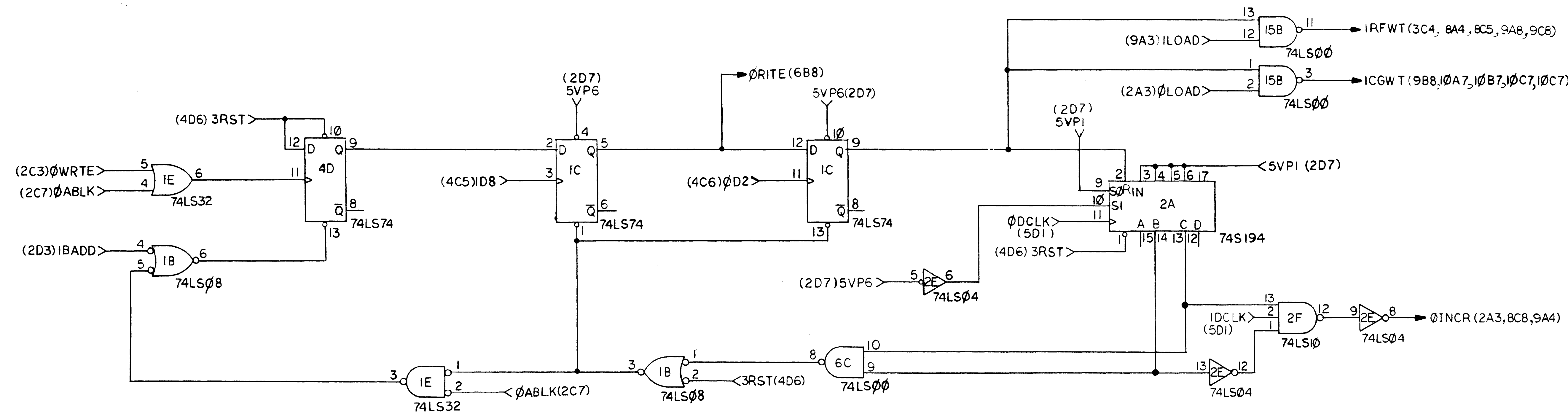
8 7 6 5 4 3 2 1
D C B A
(5D1) ØDCLK
(2B7) 2RST
3RST (3B5,4B4,4C1, 4B5,5B3,5B8, 7C3,7C5,7D7,8C7, 8B7,8C2,9B1,4B1, 4A5,8C2)
(2D7) 5VP5
(2D7) 5VP6
(2D7) 5VP7
74S162
74S163
74LS04
74S175
+5V
R2 1K
ØD8 (3C8)
1D8(4B1,5B3,7C6, 8C2,9A3)
(ØD4)
2D4(2C3)
ØD2(7C5)
ØD1 (3C8)
ØC8(5C5,6B8)
ØC4(5C5,6C8)
ØC2(5C5,6B8)
ØC1(5D5,6C8)
ØC64(5B5,6C8)
ØC32(5C5,6C8)
ØC16 (5C5,6B8)
74S32
74LS00
74LS10
74LS08
1HRT(3C5)
ØHRT (2C7)
ØBKGR (10C3)
3RST(4D6)
1D8(4C5)
(2D7) 5VP3
R7 1K
5VP1 (2D7)
7437
Ø5MHZ(2C7)
(2D7) 5VP1
74S112
1S8(10B5)
(6D4) 3RST
ØS1 (4A8,9C2,3B7)
ØS8(9C2,10B5,3B6,3B7)
ØS4(4B8,9C2,10A5,3B7,3B7)
ØS2(4A8,9C2,10A5, 10A5,3B6)
ØL1(5B5,6D8)
1VRTE(4B6)
ØL16(5A5,6C8)
ØL8(5A5,6C8)
ØL4(5B5,6C8)
ØL2(5B5,6D8)
+5 R3 1K
5VP6(2D7)
(2D7)5VP1
(4B2) 1VRTE
(4B1) 2VRT
74LS109
74LS161
(4D6) 3RST
ØHZ10(2A7)
(2D3)INST
1D8 (4C5)
5VP1 (2D7)
1VRT (3C5)
2VRT (4B6,4A5)
3RST (4D6)
ØBLKR (3B7)
74LS02
1H125(2A7,3C5)
ØVRT(2C7)
(4B5)ØS4
1S4(10A5,10B5)
(4B5)ØS2
1S2(10A5,10B5)
(4B5)ØS1
1S1(10A5,10B5)
(2D7)5VP1
(2C3) ISCAN
2VRT (4B1)
74LS163
(4D6) 3RST
SIZE D
DWG NO 121144
REV 09
DO NOT SCALE DWG
SHEET 4


8 7 6 5 4 3 2 1
D C B A
STORE CURSOR POSITION
74LS174 11A
(2B3)ØWCØ1
(2B3)ØWCØ2
(2A3)ØWCØ4
(2A3)ØWCØ8
(2A3)ØWC16
(2B3)ØWC32
(2D7) 5VP2
(2B3)ØWC64
9A 74LS74
74LS174 1ØA
(2B3)ØWLØ1
(2B3)ØWLØ2
(2B3)ØWLØ4
(2B3)ØWLØ8
(2B3)ØWL16
(2A3)ØLDCR
(4D6) 3RST
POSITION COMPARE
(2D7) 5VP2
74LS85 11B
(4C4)ØC1
(4C4)ØC2
(4C4)ØC4
(4C4)ØC8
74LS85 9B
(4C3)ØC16
(4C3)ØC32
(4C3)ØC64
(4B3)ØL1
74LS85 1ØB
(4B2)ØL2
(4B2)ØL4
(4B2)ØL8
(4B2)ØL16
8C 74LS1Ø
+5V
530111
4F (OSC)
NC
R12 1K
R13 1K
5F 74SØØ
ØDCLK (3C6,4D7,7C3)
1DCLK (3C6,3D6,7C2)
ENABLE CURSOR DELAY
3RST (4D6)
(4C5)1D8
9A 74LS74
ØNCUR (3B7)
5VP2 (2D7)
SIZE D
DWG NO 121144
REV 09
DO NOT SCALE DWG
SHEET 5



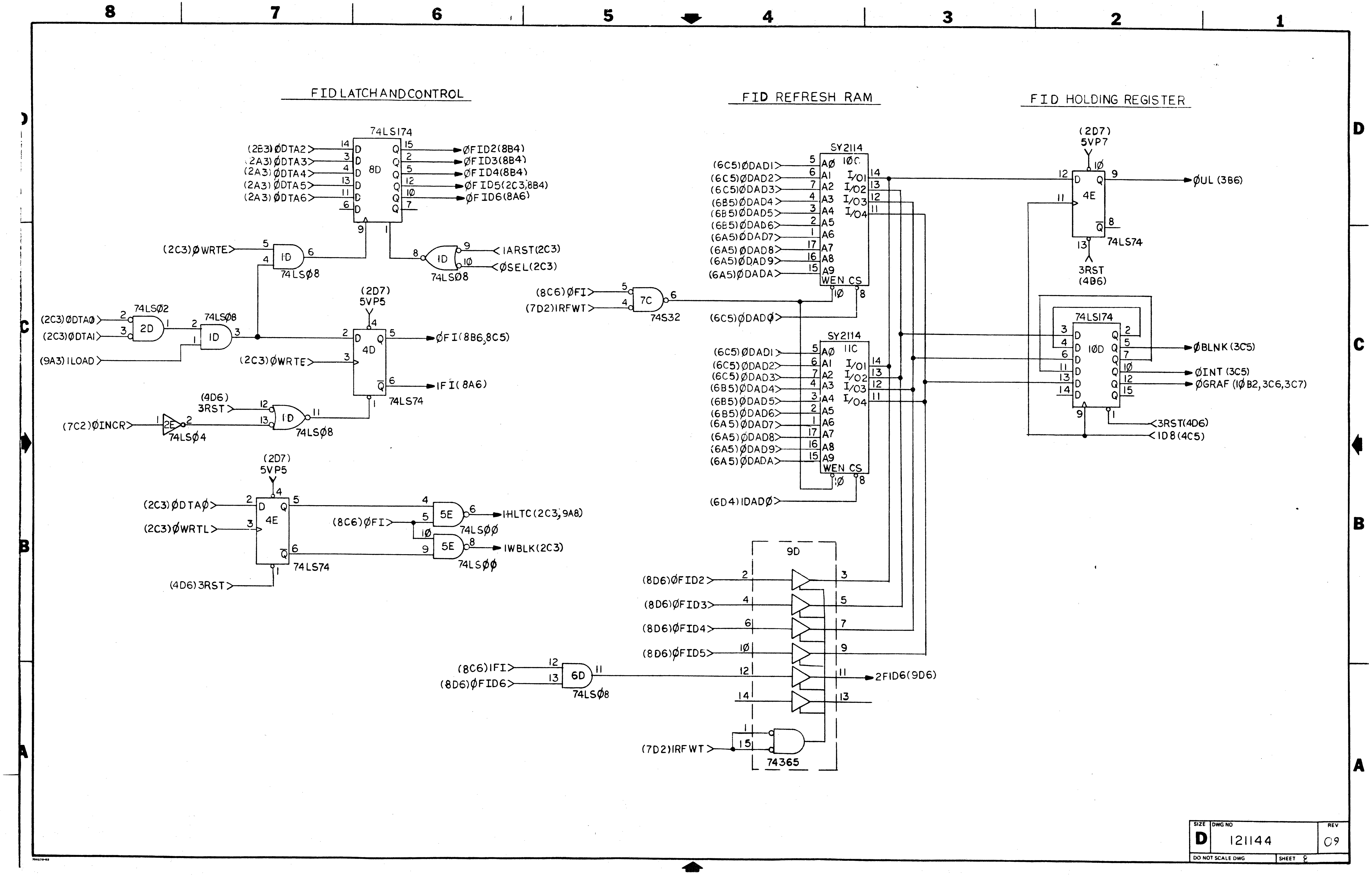
ADDRESS TRANSLATION

SIZE	DWG NO	REV
D	121144	09
DO NOT SCALE DWG	SHEET 6	

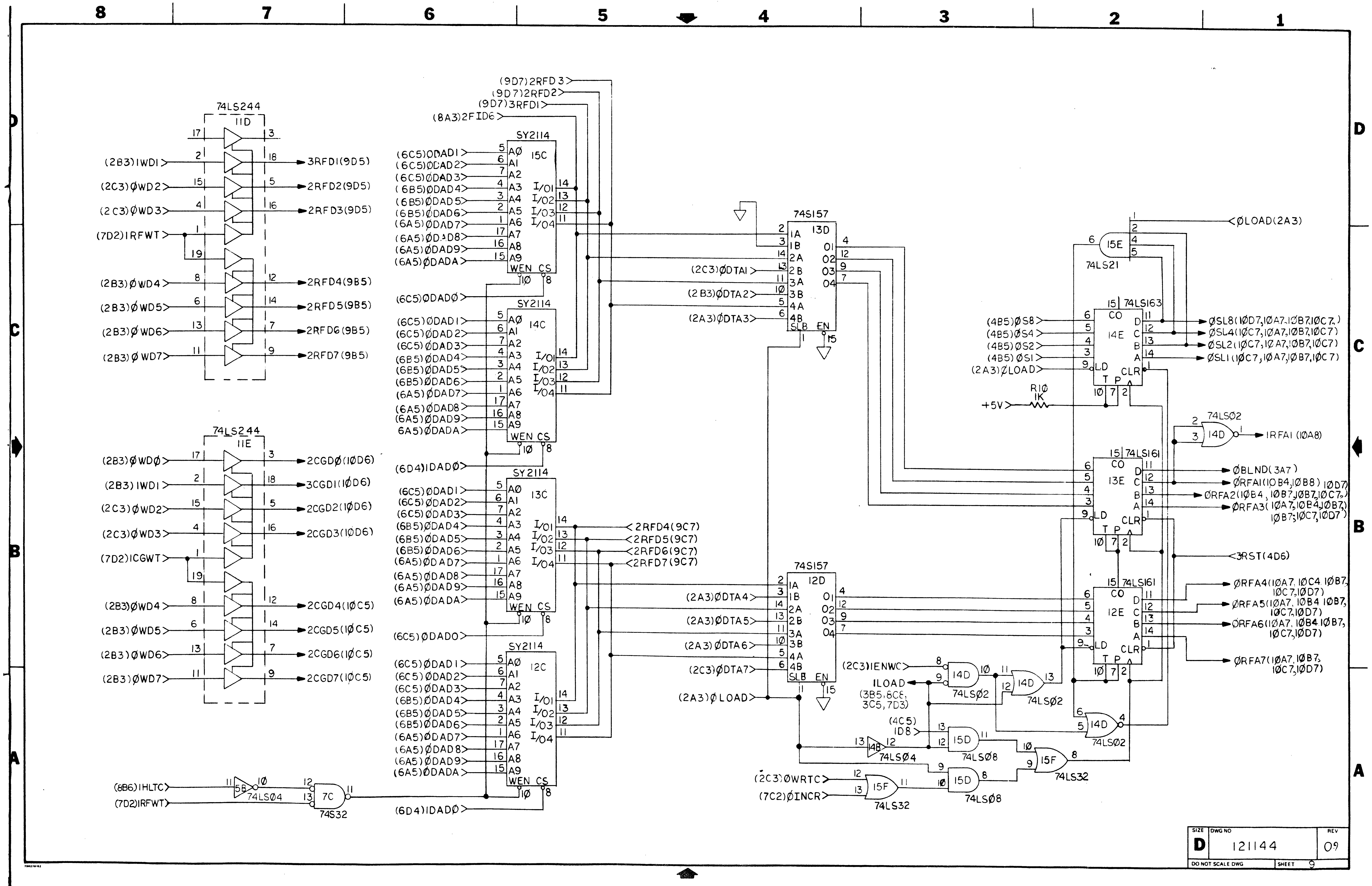


MEMORY WRITE SEQUENCER

SIZE	DWG NO	REV
D	121144	09
DO NOT SCALE DWG	SHEET 7	

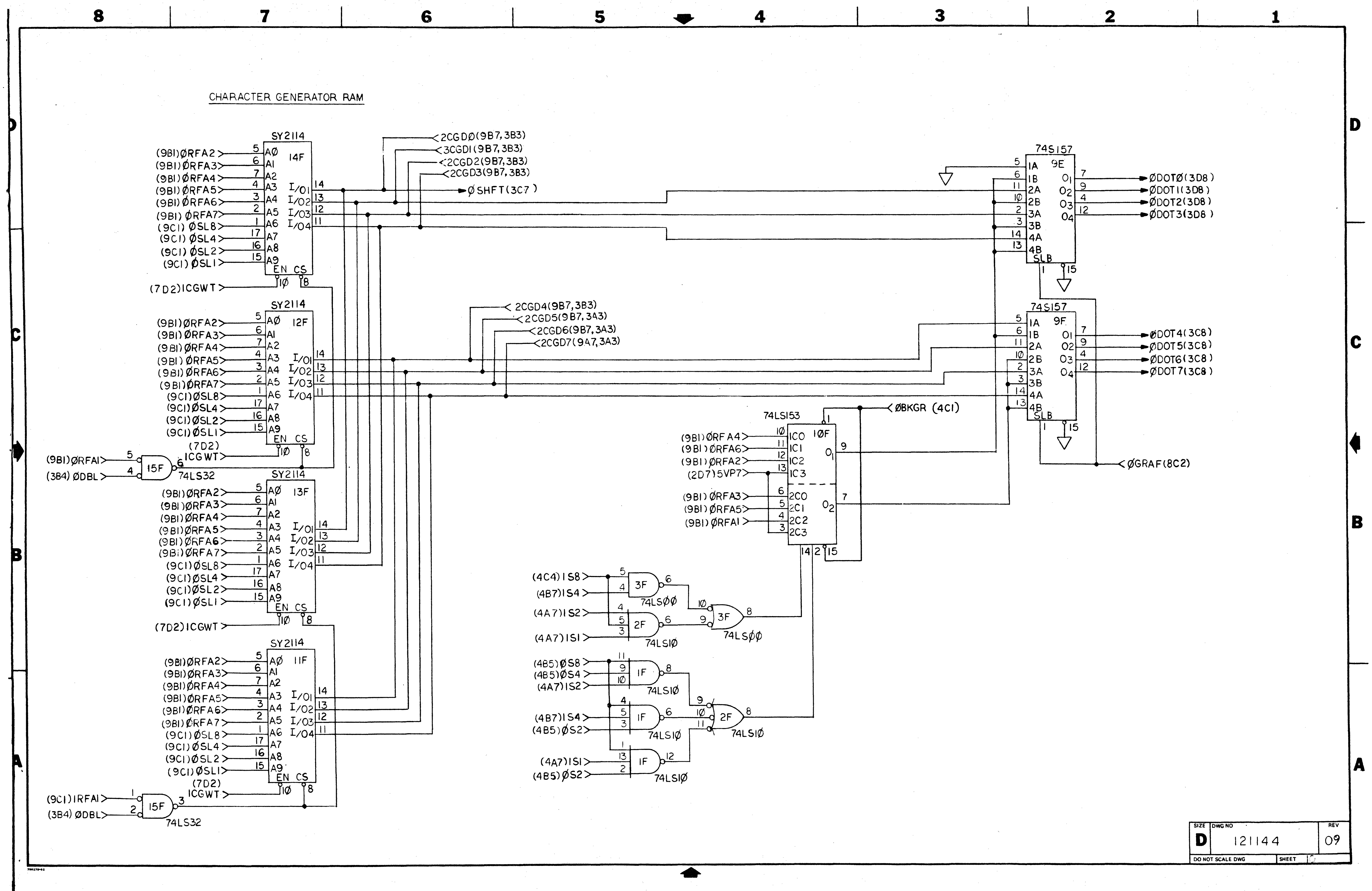


8
7
6
5
4
3
2
1
D
C
B
A
FID LATCH AND CONTROL
FID REFRESH RAM
FID HOLDING REGISTER
74LS174
8D
(2E3)ØDTA2
(2A3)ØDTA3
(2A3)ØDTA4
(2A3)ØDTA5
(2A3)ØDTA6
ØFID2(8B4)
ØFID3(8B4)
ØFID4(8B4)
ØFID5(2C3,8B4)
ØFID6(8A6)
(2C3)ØWRTE
1D
74LSØ8
IARST(2C3)
ØSEL(2C3)
(2C3)ØDTAØ
(2C3)ØDTA1
74LSØ2
2D
(9A3)ILOAD
(2D7)
5VP5
4D
74LS74
ØFI(8B6,8C5)
IFI(8A6)
(4D6)
3RST
(7C2)ØINCR
2E
74LSØ4
(2C3)ØDTAØ
(2C3)ØWRTL
4E
(4D6)3RST
5E
74LSØØ
IHLTC(2C3,9A8)
(8C6)ØFI
IWBLK(2C3)
SY2114
10C
(6C5)ØDAD1
(6C5)ØDAD2
(6C5)ØDAD3
(6B5)ØDAD4
(6B5)ØDAD5
(6B5)ØDAD6
(6A5)ØDAD7
(6A5)ØDAD8
(6A5)ØDAD9
(6A5)ØDADA
WEN CS
(8C6)ØFI
(7D2)IRFWT
7C
74S32
(6C5)ØDADØ
11C
(6D4)IDADØ
9D
(8D6)ØFID2
(8D6)ØFID3
(8D6)ØFID4
(8D6)ØFID5
(8C6)IFI
(8D6)ØFID6
6D
74LSØ8
2FID6(9D6)
(7D2)IRFWT
74365
(2D7)
5VP7
4E
74LS74
ØUL(3B6)
3RST
(4D6)
74LS174
10D
ØBLNK(3C5)
ØINT(3C5)
ØGRAF(10B2,3C6,3C7)
3RST(4D6)
ID8(4C5)
D
121144
09
DO NOT SCALE DWG
SHEET



SIZE	DWG NO	REV
D	121144	09

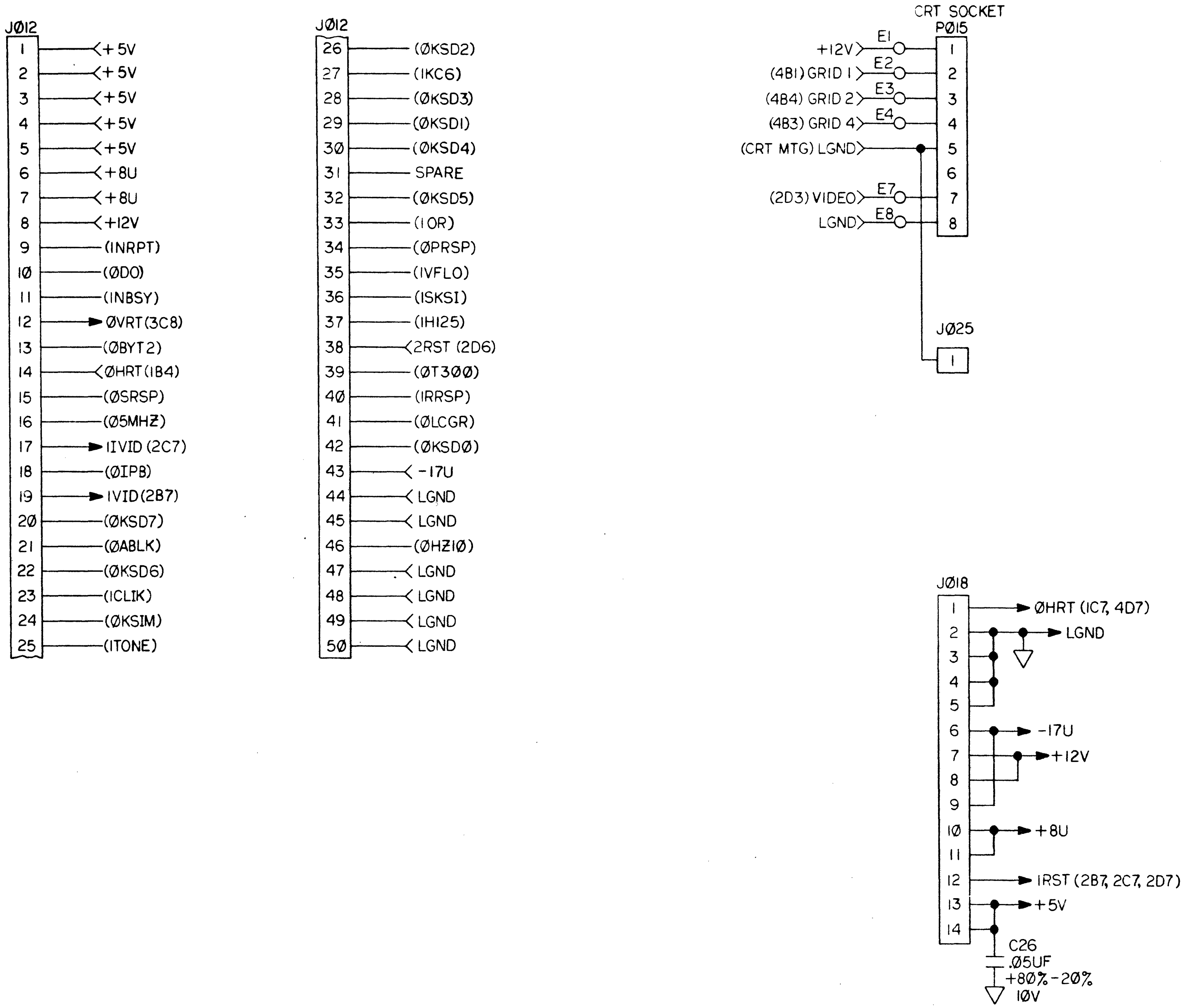
DO NOT SCALE DWG SHEET 9


CHARACTER GENERATOR RAM
SY2114
14F
12F
13F
11F
74S157
9E
9F
74LS153
10F
74LS32
15F
74LS00
74LS10
3F
2F
1F
(9B1)ØRFA2
(9B1)ØRFA3
(9B1)ØRFA4
(9B1)ØRFA5
(9B1)ØRFA6
(9B1)ØRFA7
(9C1)ØSL8
(9C1)ØSL4
(9C1)ØSL2
(9C1)ØSL1
(7D2)ICGWT
2CGD0(9B7,3B3)
3CGD1(9B7,3B3)
2CGD2(9B7,3B3)
2CGD3(9B7,3B3)
ØSHFT(3C7)
2CGD4(9B7,3B3)
2CGD5(9B7,3A3)
2CGD6(9B7,3A3)
2CGD7(9A7,3A3)
ØDOT0(3D8)
ØDOT1(3D8)
ØDOT2(3D8)
ØDOT3(3D8)
ØDOT4(3C8)
ØDOT5(3C8)
ØDOT6(3C8)
ØDOT7(3C8)
ØBKGR (4C1)
ØGRAF(8C2)
(9B1)ØRFA1
(3B4) ØDBL
(9C1) IRFA1
(9B1)ØRFA4
(9B1)ØRFA6
(9B1)ØRFA2
(2D7)5VP7
(9B1)ØRFA3
(9B1)ØRFA5
(9B1)ØRFA1
(4C4)1S8
(4B7)1S4
(4A7)1S2
(4A7)1S1
(4B5)ØS8
(4B5)ØS4
(4A7)1S2
(4B7)1S4
(4B5)ØS2
(4A7)1S1
(4B5)ØS2
SIZE D
DWG NO 121144
REV 09
DO NOT SCALE DWG
SHEET

8	7	6	5	4	3	2	1

REVISIONS

SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 744-78			
02	INCORP DCO 08565			
03	INCORP DCO 08605			
04	INCORP DCO 08715			
05	INCORP DCO 09204			
06	INCORP DCO 10055			
07	INCORP DCO 09719			



NOTE : UNLESS OTHERWISE SPECIFIED

1. ALL RESISTORS ARE IN OHMS, 1/4W, 1Ø%.
2. VOLTAGE VALUES AND TIMES ARE APPROXIMATIONS TO BE USED ONLY AS REFERENCE.
3. ALL CAPACITORS ARE 1KV, ±2Ø%.
4. SPARE IC GATES AT Z1 ARE 5,6,8,9. (CIRCLED PIN NUMBERS ARE OUTPUTS).
5. PART NOT TO BE INSTALLED IN THIS ASSEMBLY.

REV STATUS OF SHEETS	SHEET	1	2	3	4
	REV	07	01	01	07

NEXT ASSY	QTY	MODEL	QTY
		3143	-
261159	-	4143	-

APPLICATION

DRAWN / CHECK / APPR / RELEASE

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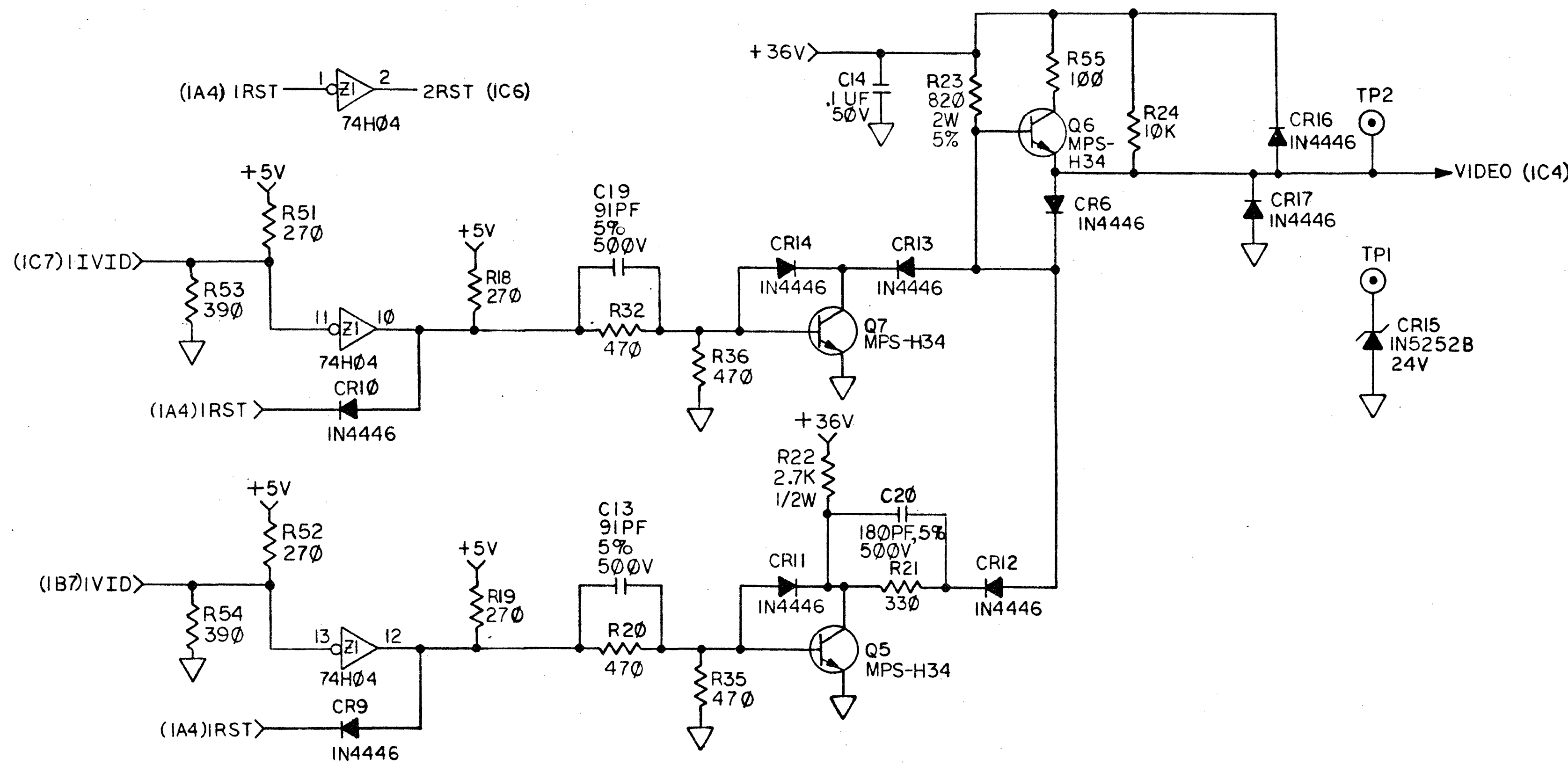
PCC BUSINESS SYSTEMS

TITLE SCHEM, PCBA DEFLECTION DRIVER

CODE IDENT NO	SIZE	DWG NO	REV
DC CODE 06	D	121173	07

SCALE — DO NOT SCALE DWG SHEET 1 OF 4

D	C	B	A

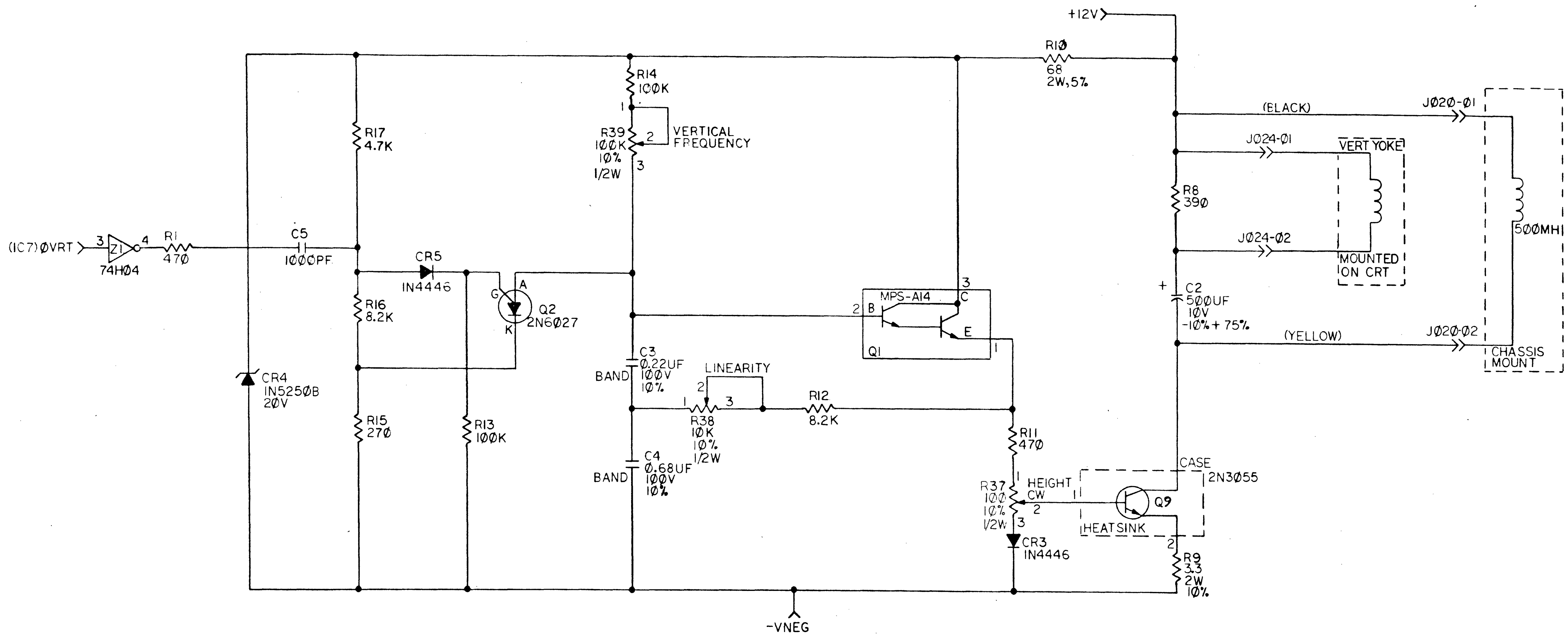


VIDEO SWITCH

SIZE	DWG NO	REV
D	121173	01
DO NOT SCALE DWG	SHEET 2	

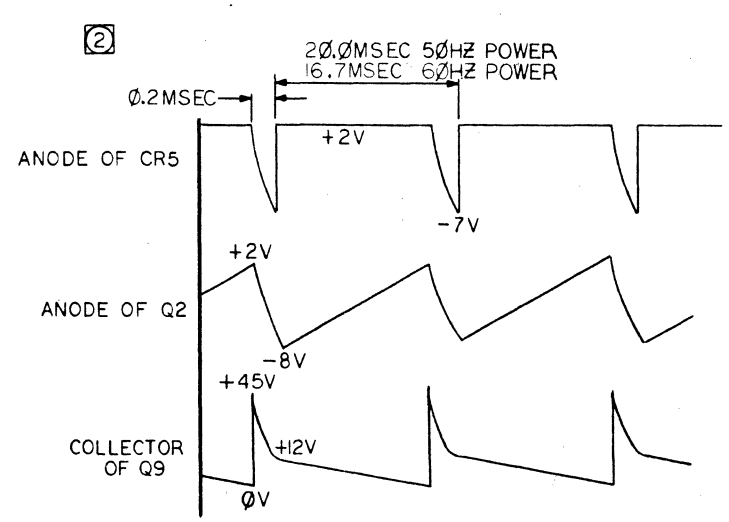
8 7 6 5 4 3 2 1

D



C

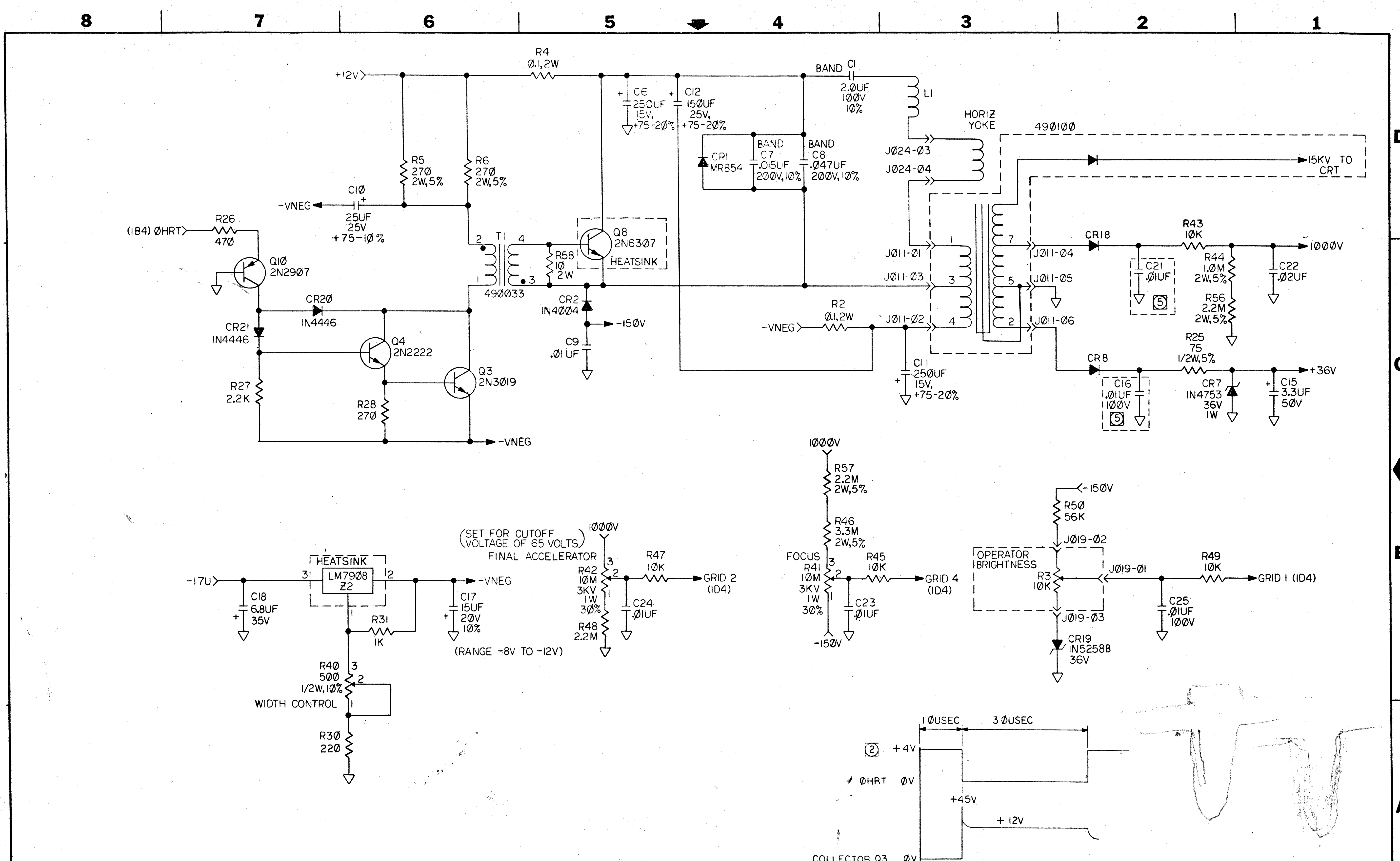
B



VERTICAL DEFLECTION OSCILLATOR
AND DRIVER

A

SIZE	DWG NO	REV
D	121173	01
DO NOT SCALE DWG	SHEET 3	



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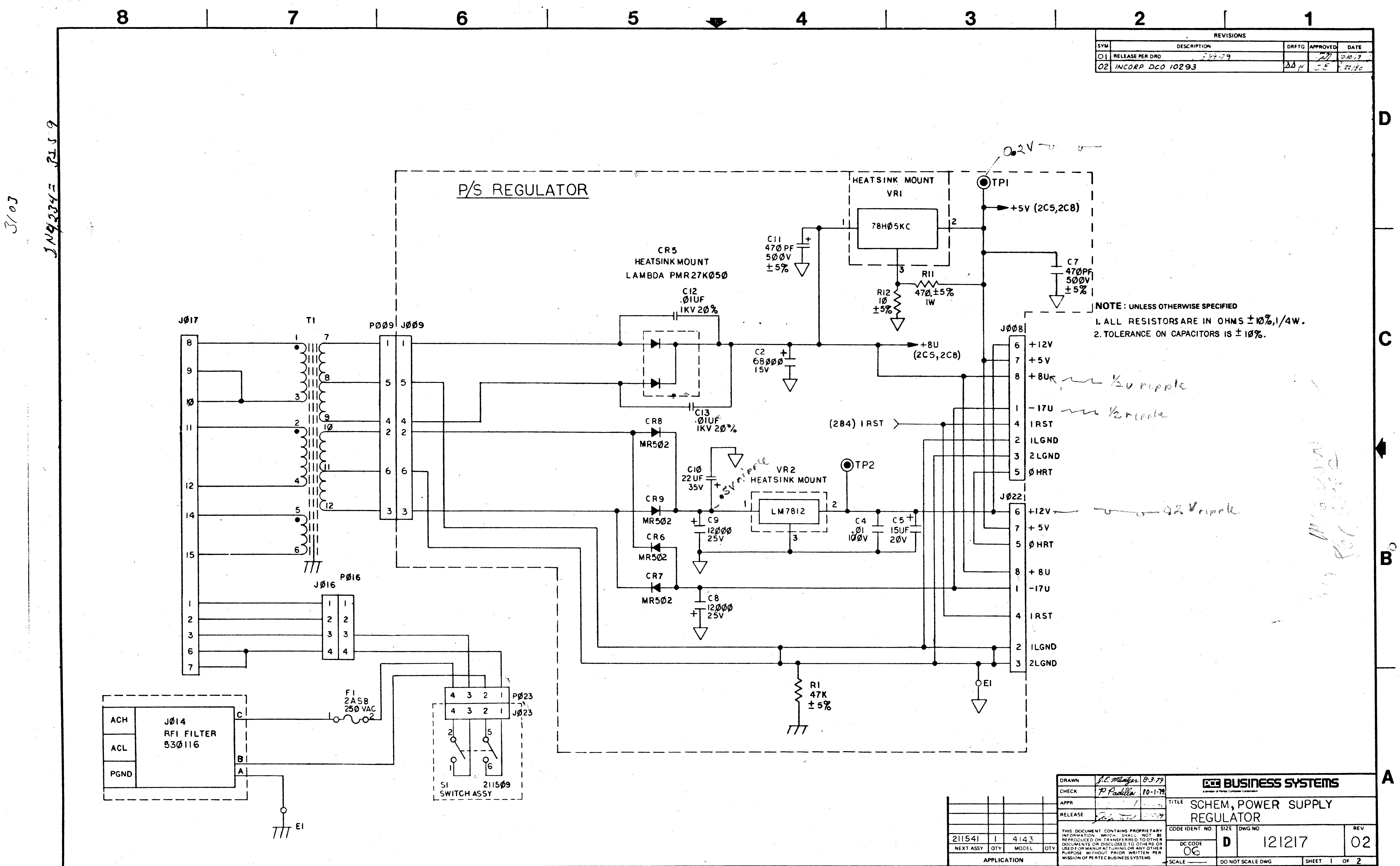
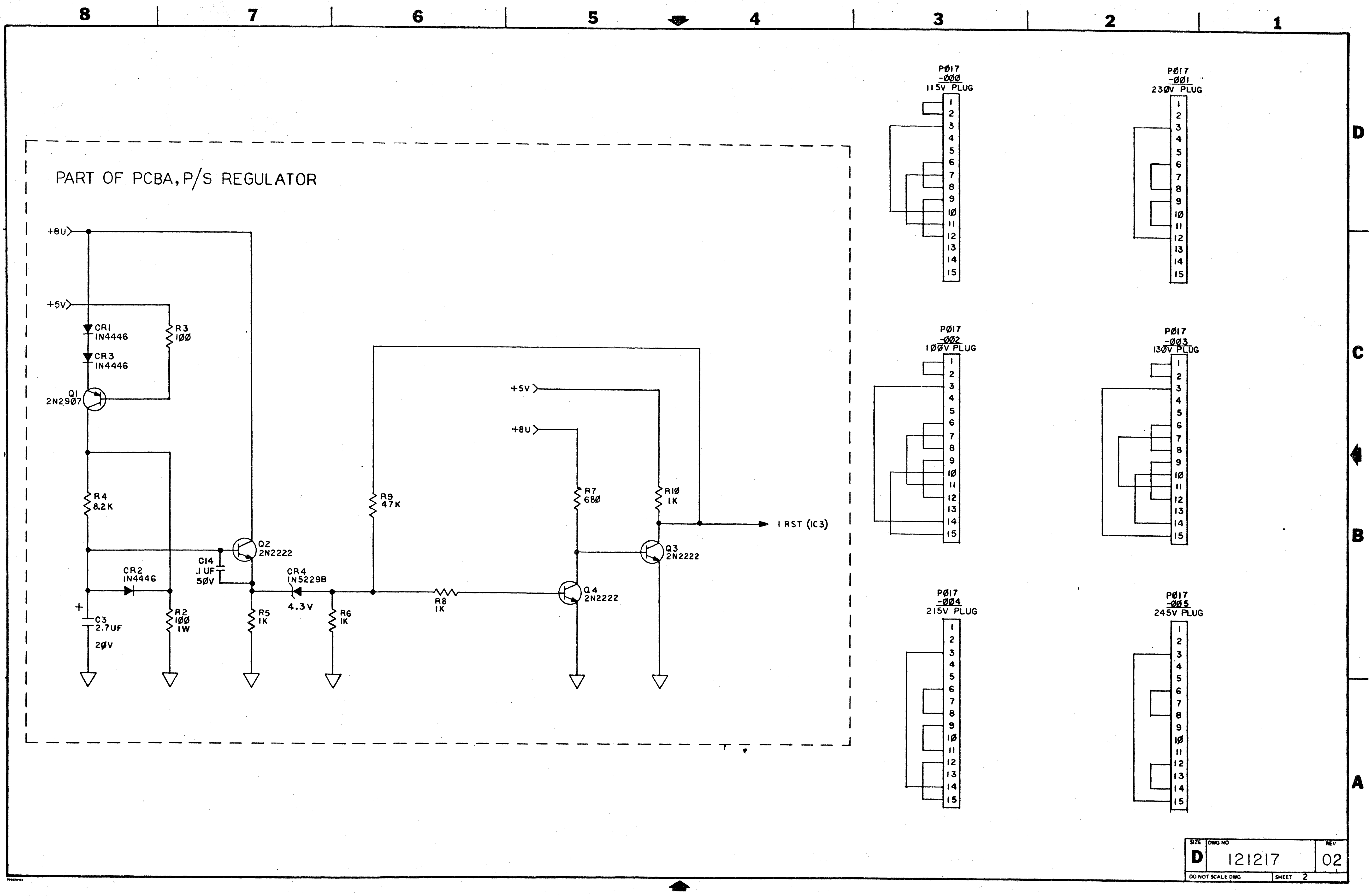
SIZE	DWG NO	REV
D	121173	07

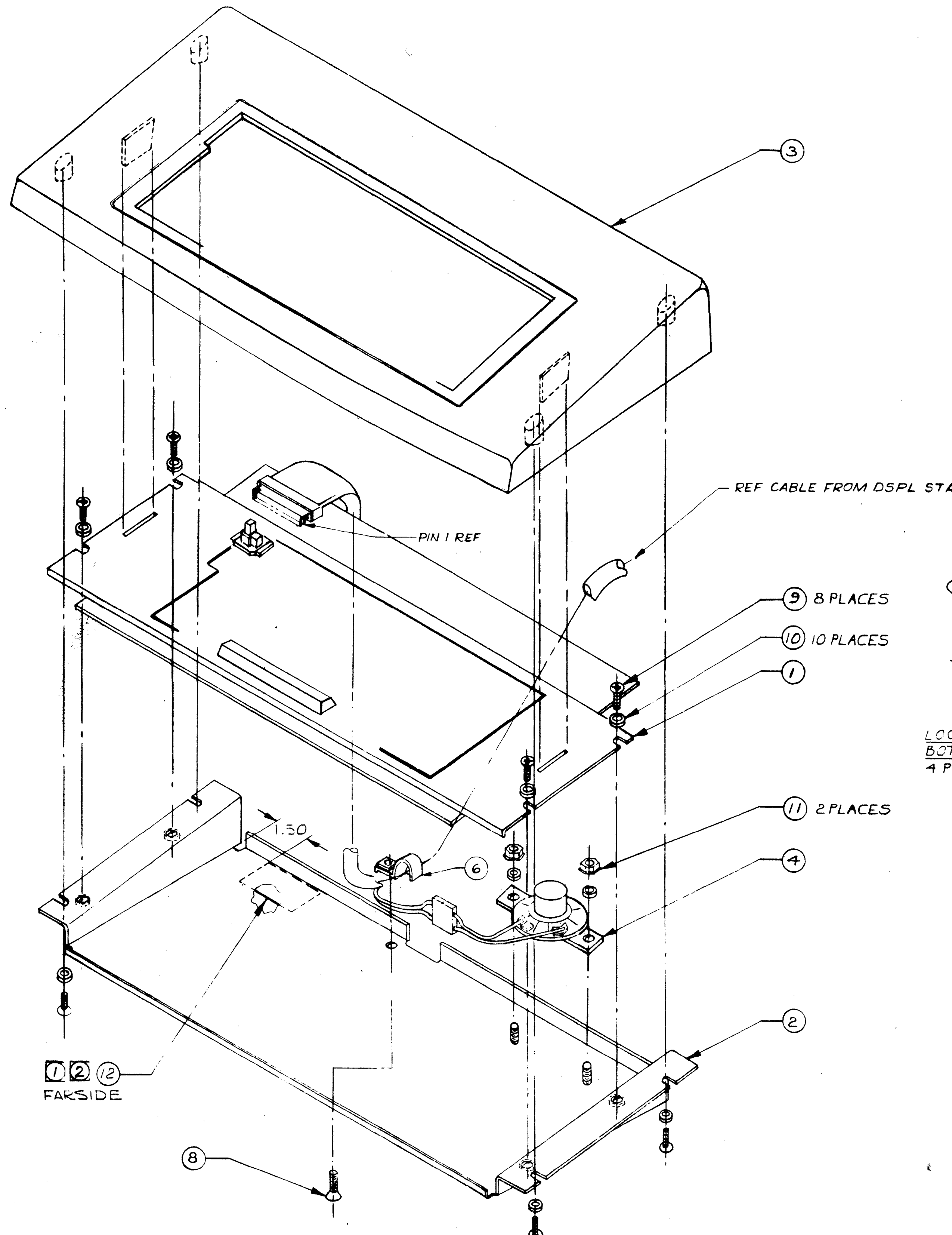
DO NOT SCALE DWG — SHEET 4

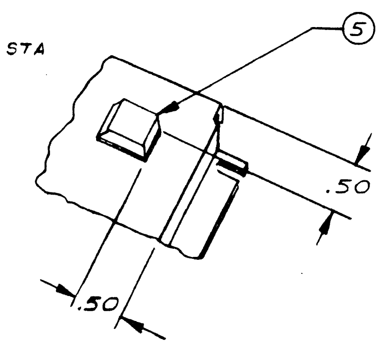


REVISIONS
SYM | DESCRIPTION | DRFTG | APPROVED | DATE
01 | RELEASE PER DRO
02 | INCORP DCO 10293
P/S REGULATOR
HEATSINK MOUNT
VR1
78H05KC
TP1
+5V (2C5,2C8)
C11 470 PF 500V ±5%
C7 470PF 500V ±5%
R11 470, ±5% 1W
R12 10 ±5%
CR5 HEATSINK MOUNT LAMBDA PMR27K050
C12 .01UF 1KV 20%
C13 .01UF 1KV 20%
C2 68000 15V
+8U (2C5,2C8)
NOTE: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS ARE IN OHMS ±10%, 1/4W.
2. TOLERANCE ON CAPACITORS IS ±10%.
J017
T1
P009 J009
J008
+12V
+5V
+8U
-17U
1RST
1LGND
2LGND
0HRT
(2B4) 1RST
CR8 MR502
CR9 MR502
CR6 MR502
CR7 MR502
C10 22 UF 35V
VR2 HEATSINK MOUNT
LM7812
TP2
C9 12000 25V
C8 12000 25V
C4 .01 100V
C5 15UF 20V
J022
R1 47K ±5%
E1
J016 P016
F1 2ASB 250 VAC
P023
J023
J014 RFI FILTER 530116
ACH
ACL
PGND
S1 211509 SWITCH ASSY
0.2V
1/2v ripple
1/2 ripple
.2 V ripple
.5v ripple
3/03
1N4934 = 2159
BUSINESS SYSTEMS
TITLE SCHEM, POWER SUPPLY REGULATOR
DRAWN J.C. Manzer 8-3-79
CHECK P Padilla 10-1-79
APPR
RELEASE
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR MANUFACTURING OR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN PERMISSION OF PERTEC BUSINESS SYSTEMS
211541 | 1 | 4143
NEXT ASSY | QTY | MODEL | QTY
APPLICATION
CODE IDENT NO. DC CODE 06
SIZE D
DWG NO 121217
REV 02
SCALE
DO NOT SCALE DWG
SHEET 1 OF 2


PART OF PCBA, P/S REGULATOR
+8U
+5V
CR1 1N4446
CR3 1N4446
R3 1ØØ
Q1 2N2907
R4 8.2K
Q2 2N2222
C14 .1 UF 5ØV
CR2 1N4446
CR4 1N5229B
4.3V
C3 2.7UF 2ØV
R2 1ØØ 1W
R5 1K
R6 1K
R9 47K
R8 1K
+5V
+8U
R7 68Ø
R1Ø 1K
I RST (IC3)
Q3 2N2222
Q4 2N2222
PØ17 -ØØØ 115V PLUG
PØ17 -ØØ1 23ØV PLUG
PØ17 -ØØ2 1ØØV PLUG
PØ17 -ØØ3 13ØV PLUG
PØ17 -ØØ4 215V PLUG
PØ17 -ØØ5 245V PLUG
SIZE D
DWG NO 121217
REV 02
DO NOT SCALE DWG
SHEET 2

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 065-77	MP	SB	1/28/77
02	INCORP DCO 04922	[illegible]	TLR	3/5/78
03	INCORP DCO 05725	[illegible]	SB	1/26/78
04	INCORP DCO 07556	TC	SB	7/11/78
05	CODE C RELEASE W/O CHANGE PER DCO 10867	[illegible]	SB	6/19/80





LOCATION OF BUMPER ON BOTTOM OF CHASSIS (ITEM 2) 4 PLACES

NOTE : UNLESS OTHERWISE SPECIFIED

1. BEFORE ATTACHING LABEL TO UNIT, TYPE KEYBOARD ASSEMBLY NUMBER AND APPROPRIATE REVISION NUMBER.
2. APPLY LABEL WHERE SHOWN AND ORIENTED SO THAT IT MAY BE READ FROM THE REAR OF THE KEYBOARD ASSEMBLY.

ITEM NO.	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

MATERIAL LIST

UNLESS OTHERWISE SPECIFIED

1. TOLERANCES xx ±.030 xxx ±.010 ANGULAR 0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 √ OR BETTER
5. INTERPRET DWG PER MIL D 1000
6. DIM ARE IN INCHES

DRAWN	M. PUNT	-6-77
CHECK	[illegible]	[illegible]
APPR	[illegible]	[illegible]
RELEASE	G. Erich	1/28/77

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NEXT ASSY	QTY	MODEL	QTY
		3143	
		4141	
MULT		4143	1

APPLICATION

MATERIAL

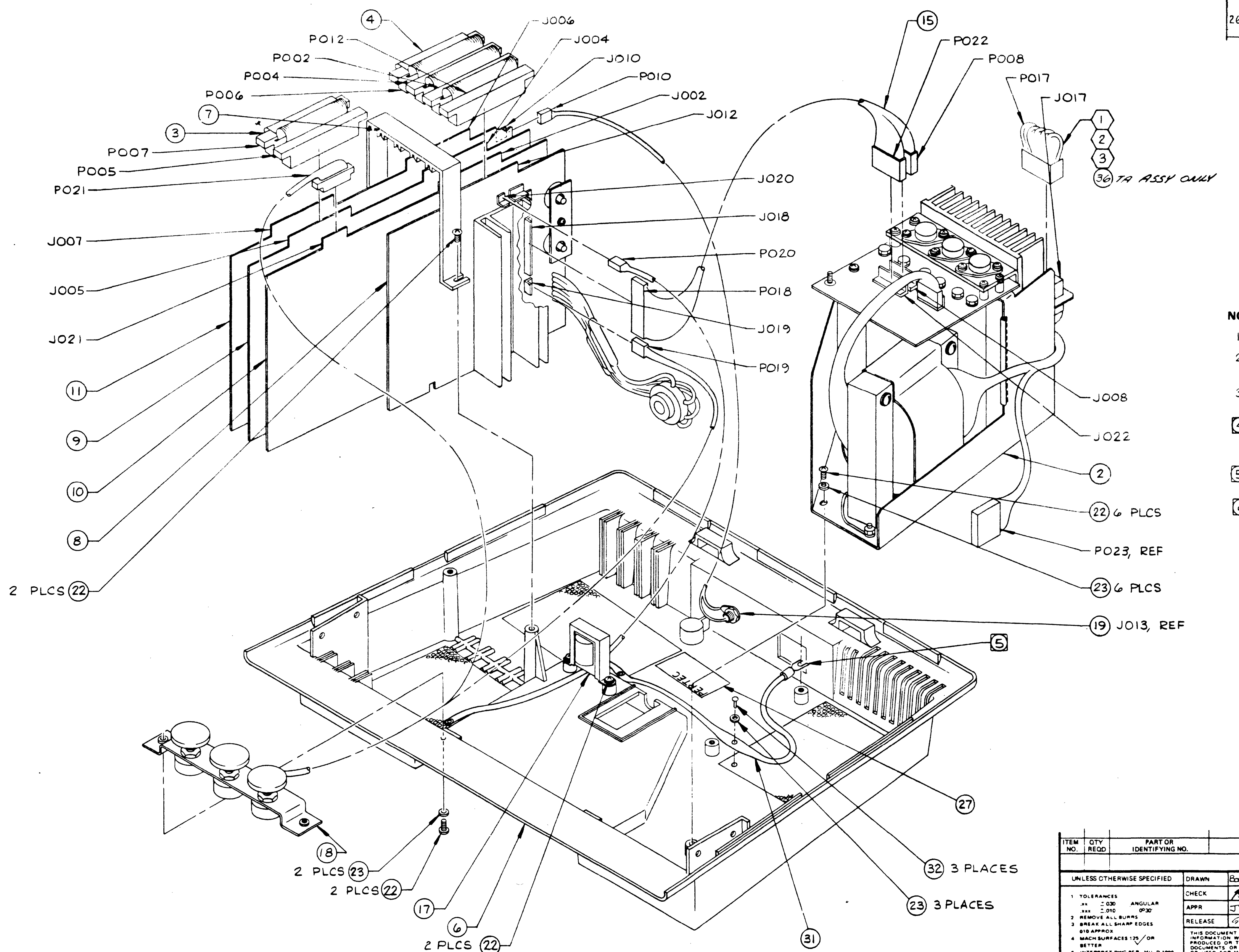
FINISH

PCC BUSINESS SYSTEMS
a Division of Pertec Computer Corporation

TITLE INSTALLATION, KEYBOARD

CODE IDENT NO	SIZE	DWG NO	REV
D C CODE 10	D	190214	05
SCALE ----	DO NOT SCALE DWG	SHEET 1 OF 1	

SYM	DESCRIPTION	DRFTG	APPROVED	DATE
	RELEASE PER DRO			
26	CODE 10 RELEASE W/O CHANGE PER DCO 10846	D.K.A.	28	4/15/80



NOTE: UNLESS OTHERWISE SPECIFIED

1. REFER TO CABLE DIAGRAM, DISPLAY STATION 121050.
2. FOR ITEMS CODED ◯ REFER TO MONITOR ASSY.
3. FOR ITEMS CODED ⬡ REFER TO INSTALLATION KIT, 211456.
4. SPRAY DISPLAY STATION COVER HOLDING TABS WITH FLUOROCARBON AEROSOL LUBRICANT (ITEM 28).
5. ATTACH TO MOUNTING SCREW OF ITEM 2 ADJACENT TO E1.
6. PLACE WARNING LABEL ON TOP OF CRT WHERE IT CAN BE READ WITH COVER OFF.

ITEM NO.	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

MATERIAL LIST

UNLESS OTHERWISE SPECIFIED

1. TOLERANCES .xx ±.030 .xxx ±.010 ANGULAR 0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 ✓ OR BETTER
5. INTERPRET DWG PER MIL-D-1000
6. DIM ARE IN INCHES

DRAWN	Bob Simmons	12/14/77
CHECK	R Hrufa	1-25-78
APPR	JJH	1/31/78
RELEASE	G. Baird	2/1/78

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PBS BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE: MONITOR ASSEMBLY INSTALLATION

NEXT ASSY	QTY	MODEL	QTY
		3143	
		4143	—

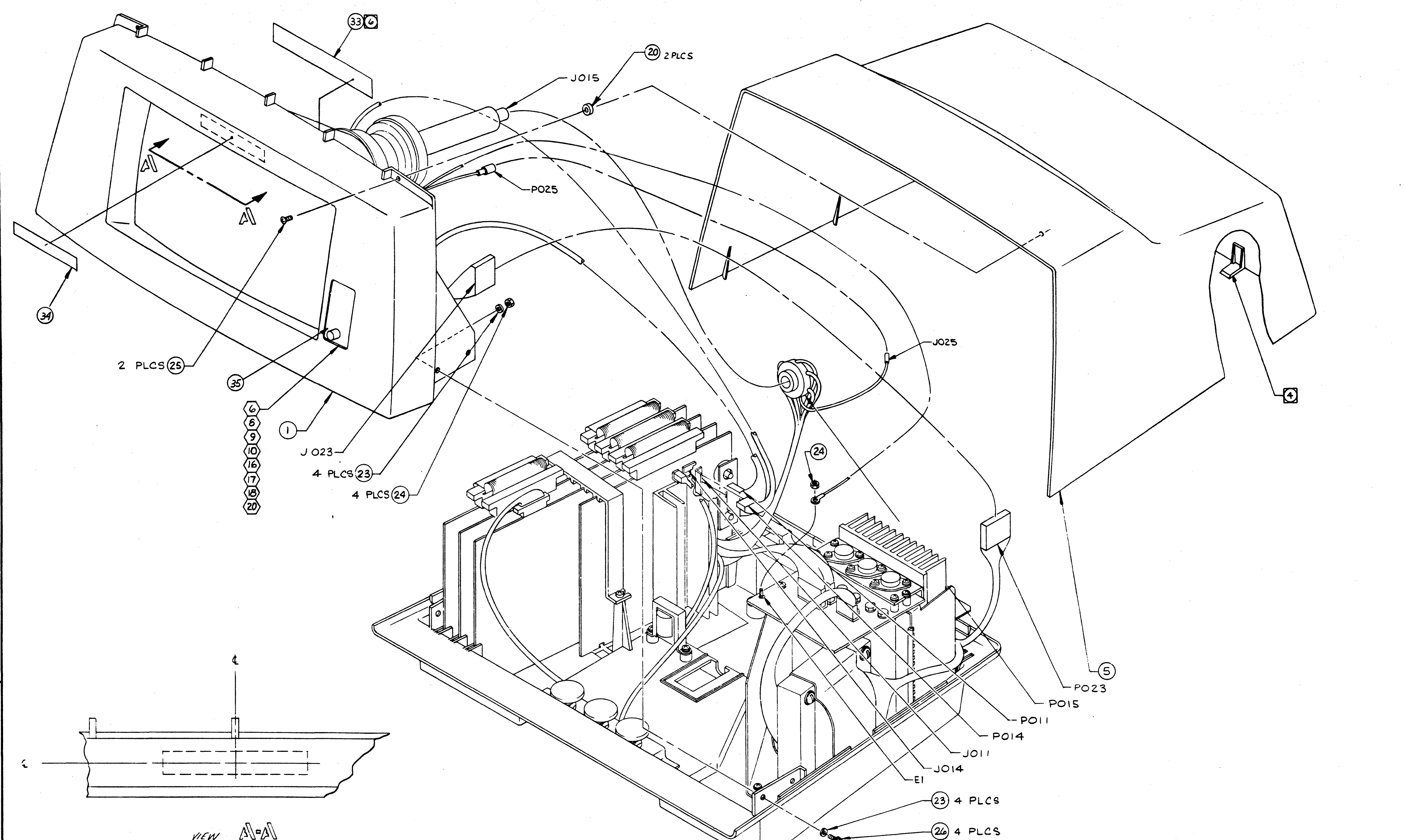
APPLICATION

MATERIAL

FINISH

CODE IDENT NO. | D C CODE 10 | SIZE D | DWG NO 190248 | REV 26

SCALE 1/2 | DO NOT SCALE DWG | SHEET | OF 3



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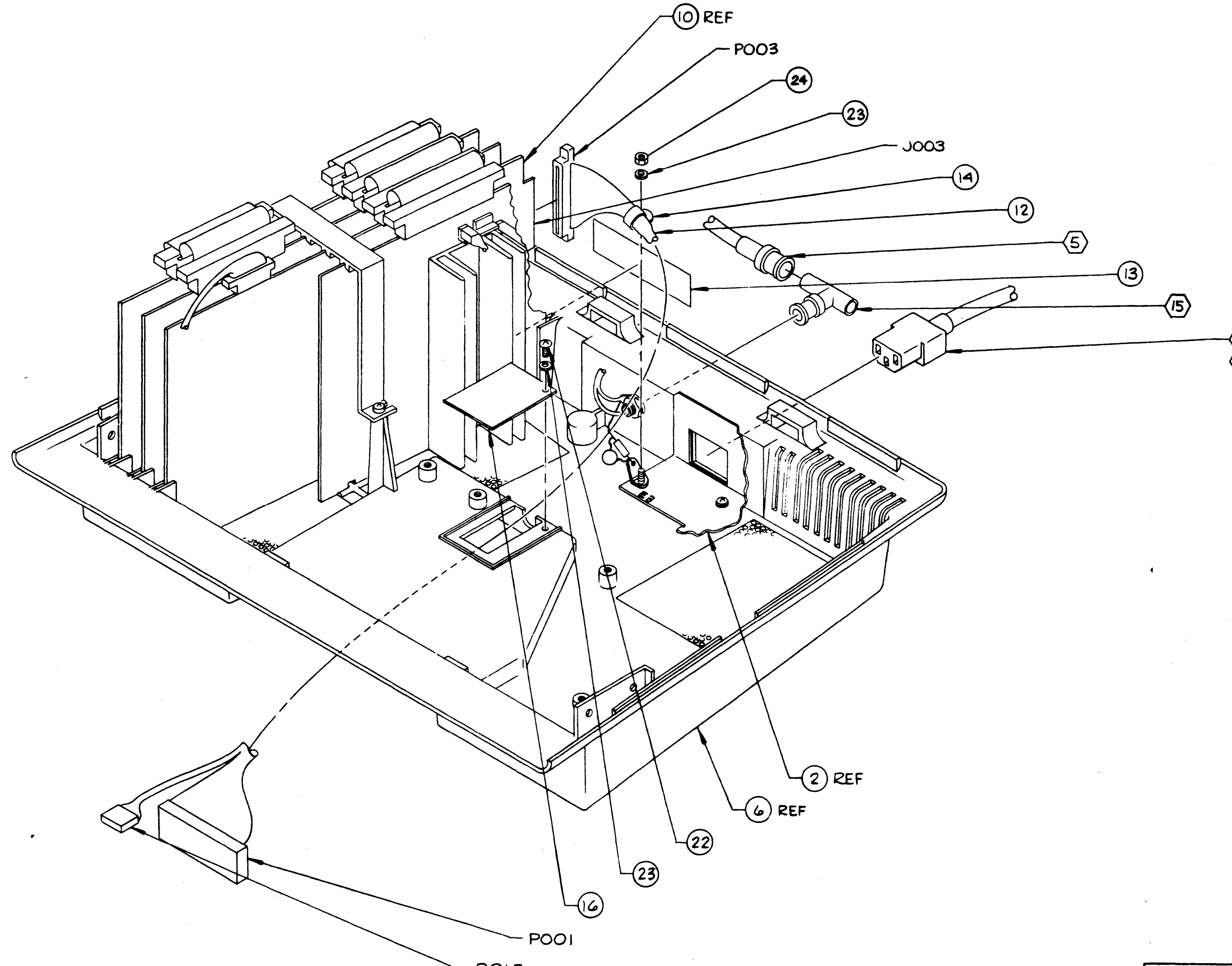
SIZE	DWG NO	REV
D	190248	26
DO NOT SCALE DWG	SHEET 2	



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SIZE	DWG NO	REV
D	190248	26
DO NOT SCALE DWG	SHEET 3	

THIS DOCUMENT CONTA[illegible]ROPRIETARY INFORMATION WHICH SHA[illegible]OT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR MANUFACURING OR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN PERMISSION OF PERTEC COMPUTER CORPORATION.

APPLICATION

NEXT ASSY	MODEL
211456	4143
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 790-77		EB	10/20/77
02	Revise per Eng. Input	MV	TLR, EB	11/30/77
03	Code 06 Rel W/O Changes per DRO 223-78	MV,TC	TS, EB	3/15/78
04	INCORP DCO 07069	MV	RG, EB	4/4/78
05	INCORP DCO 07467	MV	RG, EB	6/27/78
06	INCORP DCO 07472	MV	RG, EB	7/7/78
07	INCORP DCO 07865	MS	TLR, EB	10/13/78
08	INCORP DCO 08589	MS	TLR, EB	1/17/79
09	INCORP DCO 08792	MV	[illegible] EB	2/9/79 R
10	INCORP DCO 08938	KW	[illegible] EB	7/3/79 R
11	INCORP DCO 09525	MV/KW	TLR [illegible]	10-10-79
12	INCORP DCO 09851	MV/KW	TLR EB	11/27/79 R
13	INCORP DCO 10282	FC/KW	[illegible] EB	2/22/80 R
14	CODE 10 REL W/O CHANGES PER DCO 10846	FC/LM	[illegible] EB	6/9/80 R
15	INCORP DCO 10870	FC/LM	[illegible] EB	7/10/80 R

FOR INSTALLATION INSTRUCTIONS SEE SHEET 2

DRAWN	mv WALLACE	8/9/77
CHECK	JNORTON	10/20/77
APPR	Stephenson	10/20/77
RELEASE	GBRINK	10/20/77

UNLESS OTHERWISE SPECIFIED
1. TOLERANCES
   .xx ±.03 ANGULAR
   .xxx ±.010 ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 √ OR BETTER
5. INTERPRET DWG PER ANS Y14
6. DIM ARE IN INCHES

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE

INSTALLATION INSTRUCTIONS

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	190249	15
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 3	

INSTALLATION INSTRUCTIONS

THE FOLLOWING ARE INSTRUCTIONS FOR INSTALLING THE ITEMS LISTED ON INSTALLATION KIT 211456 AND SELECTING THE DISPLAY STATION UNIT NUMBER.

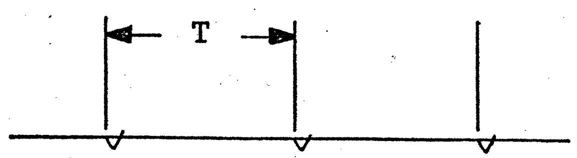
1. REMOVE TWO SCREWS IN UPPER LEFT AND RIGHT HAND CORNERS AND LIFT COVER OFF. INSTALL VOLTAGE SELECTION PLUG (P17) INTO CONNECTOR (J17) LOCATED AT REAR OF POWER SUPPLY CHASSIS.

2. ON THE COAX INTERFACE PCBA, SELECT THE DISPLAY STATION UNIT NUMBER (SWITCHES 1 THRU 6), AND THE LINE FREQ (SWITCH 7, ON = 60HZ, OFF = 50HZ). WHEN A CHANGE IS MADE IN THE SETTING OF SWITCH 7, THE FOLLOWING ADJUSTMENT PROCEDURE MUST BE PERFORMED ON THE DEFLECTION DRIVER PCBA.

    1. JUMPER Z1 PIN 7 TO Z1 PIN 4.

    2. USE OSCILLOSCOPE AND OBSERVE THE VERTICAL DEFLECTION SAWTOOTH SIGNAL AT THE UPPER, NONBANDED END OF CAPACITOR C3.

    3. ADJUST THE VERTICAL FREQUENCY POTENTIOMETER, R39, TO PROVIDE A 58HZ SWEEP FREQUENCY IF MONITOR IS TO BE OPERATED AS A 60HZ UNIT OR A 48HZ SWEEP FREQUENCY IF MONITOR IS TO BE OPERATED AS A 50HZ UNIT:



    PERIOD "T" SHOULD BE SET FOR 17.2 MSEC, FOR 60HZ OPERATION OR 20.8 MSEC. FOR 50HZ OPERATION.

    4. REMOVER JUMPER.

    REINSTALL COVER.

3. COAXIAL CABLE ASSY (ITEM 5)
PLUG THE COAXIAL CABLE ASSY ONTO THE BNC ADAPTER LOCATED ON THE REAR OF THE DISPLAY AT THE CONNECTOR LABELED "COAXIAL".

4. DISPLAY LOGO (ITEM 6, 7, 8, 9, 10, 16, 17, 18, OR 20)
REMOVE THE PROTECTIVE PAPER BACKING FROM THE BACK OF THE LOGO. INSTALL THE LOGO INTO RECESSED AREA OF THE FRONT DISPLAY BEZEL.

5. CORDSET ITEM 11 OR CABLE ASSY ITEM 22
PLUG THE APPROPRIATE END OF THE CORDSET INTO THE AC POWER CONNECTOR LOCATED ON THE REAR OF THE DISPLAY.

6. MARKING OF THE POWER REQUIREMENT LABEL.
PERMANENTLY OBLITERATE THE INAPPROPRIATE VOLTAGES AND CURRENTS ON THE POWER REQUIREMENT LABEL LOCATED ON THE REAR OF THE DISPLAY.

7. DISPLAY LOGO (ITEM 4)
REMOVE THE PROTECTIVE PAPER BACKING FROM THE BACK OF THE LOGO. CENTER LOGO ON THE TOP STRIP OF THE FRONT DISPLAY BEZEL AS SHOWN ON 190248.

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 2 of | ML Dwg. No. 203684 | Rev. 03

Item No.	Quantity Required -000						Part No.	Nomenclature or Description	Reference Designation
1	1						211560-036	KEYBOARD ASSY	
2	1						230548	CHASSIS, KEYBOARD	
3	1						230540-014	COVER, KEYBOARD	
4	1						211326	SPEAKER ASSY	
5	4						420005	BUMPER, GRAY	
6	1						230648	CLAMP, CABLE	
7									
8	1						370004-608	SCREW, FLAT HEAD 100°	
9	8						370036-605	SCREW, PAN HEAD PH, RECESSED LOCKING	
10	10						370002-600	WASHER, FLAT	
11	2						370027-600	NUT, LOCKING	
12	1						290069	LABEL, ASSY NO., UNIVERSAL	2

790406-03

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APPLICATION	
NEXT ASSY	MODEL
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 958-79		EB	3/23/79 R
02	CODE 06 RELEASE W/CHANGES PER DCO 09468	LW/KW	TLR	10-9-79 R
03	CODE 10 RELEASE W/O CHANGES PER DCO 10848	LM	EB	6/18/80 R

2 TYPE APPROPRIATE INFORMATION ON THE UNIVERSAL ASSY NO. LABEL (ITEM 12) PER DRAWING 190328.

1. FOR INSTALLATION OF LISTED ITEMS, SEE KEYBOARD INSTALLATION 190214.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	F.Clark/ms	3/8/79
CHECK	[illegible]	3-19-79
APPR	[illegible]	[illegible]-79
RELEASE	[illegible]	3/23/79

UNLESS OTHERWISE SPECIFIED
1. TOLERANCES
   .xx ±.03 ANGULAR
   .xxx ±.010 ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 OR BETTER
5. INTERPRET DWG PER ANS Y14
6. DIM ARE IN INCHES

PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE: KEYBOARD ASSY, STD KYPCH (UNIVAC)

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	203684	03
SCALE ——		DO NOT SCALE DWG	SHEET 1 OF 2

790101-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 2 of | ML Dwg. No. 203685 | Rev. 03

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
1	1	211560-038	KEYBOARD ASSY	
2	1	230548	CHASSIS, KEYBOARD	
3	1	230540-013	COVER, KEYBOARD	
4	1	211326	SPEAKER ASSY	
5	4	420005	BUMPER, GRAY	
6	1	230648	CLAMP, CABLE	
7				
8	1	370004-608	SCREW, FLAT HEAD 100°	
9	8	370036-605	SCREW, PAN HEAD PH, RECESSED LOCKING	
10	10	370002-600	WASHER, FLAT	
11	2	370027-600	NUT, LOCKING	
12	1	290069	LABEL, ASSY NO. UNIVERSAL	2

790406-03

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APPLICATION

NEXT ASSY	MODEL
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 950-79		SB	3/23/79 (R)
02	CODE 06 RELEASE W/CHANGES PER DCO 09468	LW/KW	TLR	10-9-79 (R)
03	CODE 10 RELEASE W/O CHANGES PER DCO 10848	LM	SB	6/13/ (R)

2 TYPE APPROPRIATE INFORMATION ON THE UNIVERSAL ASSY NO. LABEL (ITEM 12) PER DRAWING 190328.

1. FOR INSTALLATION OF LISTED ITEMS, SEE KEYBOARD INSTALLATION 190214.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	FClark/ms	3/8/79
CHECK		3-19-79
APPR		
RELEASE		3/23/79

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES .xx ±.03 ANGULAR .xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE
KEYBOARD ASSY,TYPEWRITER/NUM PAD (UNIVAC)

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	203685	
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 2	

790101-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 2 of | ML Dwg. No. 203686 | Rev. 03

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
1	1	211560-037	KEYBOARD ASSY	
2	1	230548	CHASSIS, KEYBOARD	
3	1	230540-014	COVER, KEYBOARD	
4	1	211326	SPEAKER ASSY	
5	4	420005	BUMPER, GRAY	
6	1	230648	CLAMP, CABLE	
7				
8	1	370004-608	SCREW, FLAT HEAD 100°	
9	8	370036-605	SCREW, PAN HEAD PH, RECESSED LOCKING	
10	10	370002-600	WASHER, FLAT	
11	2	370027-600	NUT, LOCKING	
12	1	290069	LABEL, ASSY NO. UNIVERSAL	2

790406-03

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APPLICATION

NEXT ASSY	MODEL
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 958-79		EB	3/23/79
02	CODE 06 RELEASE W/CHANGES PER DCO 09468	LW/KW	TLR	10-4-79
03	CODE 10 RELEASE W/O CHANGES PER DCO 10848	LM	EB	6/18

2 TYPE APPROPRIATE INFORMATION ON THE UNIVERSAL ASSY NO. LABEL (ITEM 12) PER DRAWING 190328.

1. FOR INSTALLATION OF LISTED ITEMS, SEE KEYBOARD INSTALLATION 190214.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	FClark/ms	3/8/79
CHECK	[illegible]	3-19-79
APPR	[illegible]	23-[illegible]-79
RELEASE	[illegible]	3/23/79

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE
KEYBOARD ASSY, KYPCH/ADDING MACHINE (UNIVAC)

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	203686	03
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 2	

790101-07

MATERIAL LIST

PERTEC COMPUTER CORPORATION

Sheet 2 of | ML Dwg. No. 203689 | Rev. 03

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
1	1	211560-039	KEYBOARD ASSY	
2	1	230548	CHASSIS, KEYBOARD	
3	1	230540-014	COVER, KEYBOARD	
4	1	211326	SPEAKER ASSY	
5	4	420005	BUMPER, GRAY	
6	1	230648	CLAMP, CABLE	
7				
8	1	370004-608	SCREW, FLAT HEAD 100°	
9	8	370036-605	SCREW, PAN HEAD PH, RECESSED LOCKING	
10	10	370002-600	WASHER, FLAT	
11	2	370027-600	NUT, LOCKING	
12	1	290069	LABEL, ASSY NO., UNIVERSAL	2

790406-03

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APPLICATION	
NEXT ASSY	MODEL
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 167-79	-	EB	6/27/79 R
02	INCORP DCO 09468	LW/KW	TLR	6-9-79
03	CODE 10 RELEASE W/O CHANGES PER DCO 10848	LM	EB	6/18/80 R

2 TYPE APPROPRIATE INFORMATION ON THE UNIVERSAL ASSY NO. LABEL (ITEM 12) PER DRAWING 190328.

1. FOR INSTALLATION OF LISTED ITEMS, SEE KEYBOARD INSTALLATION 190214.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	FClark/ms	5/8/79
CHECK	[illegible]	6-15-79
APPR	[illegible]	6-22-79
RELEASE	[illegible]	6/27/79

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE: KEYBOARD ASSY, STD KYPCH (UNIVAC ASCII)

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	203689	
SCALE	DO NOT SCALE DWG	SHEET 1	OF 2

790101-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 2 of | ML Dwg. No. 203690 | Rev. 03

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
1	1	211560-040	KEYBOARD ASSY	
2	1	230548	CHASSIS, KEYBOARD	
3	1	230540-014	COVER, KEYBOARD	
4	1	211326	SPEAKER ASSY	
5	4	420005	BUMPER, GRAY	
6	1	230648	CLAMP, CLAMP	
7				
8	1	370004-608	SCREW, FLAT HEAD 100°	
9	8	370036-605	SCREW, PAN HEAD PH, RECESSED LOCKING	
10	10	370002-600	WASHER, FLAT	
11	2	370027-600	NUT, LOCKING	
12	1	290069	LABEL, ASSY NO. UNIVERSAL	2

790406-03

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APPLICATION	
NEXT ASSY	MODEL
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 167-79		EB	6/27/79
02	INCOPR DCO 09468	LW/KW		12-7-79
03	CODE 10 RELEASE W/O CHANGES PER DCO 10848	LM	EB	6/18/80

2 TYPE APPROPRIATE INFORMATION ON THE UNIVERSAL ASSY NO. LABEL (ITEM 12) PER DRAWING 190328.

1. FOR INSTALLATION OF LISTED ITEMS, SEE KEYBOARD INSTALLATION 190214.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	FClark/ms	5/8/79
CHECK		
APPR		1-21-79
RELEASE		

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES .xx ±.03 ANGULAR .xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 √ OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE
KEYBOARD ASSY, KYPCH/ADDING MACHINE (UNIVAC ASCII)

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	203690	03
SCALE	DO NOT SCALE DWG	SHEET 1 OF 2	

790101-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 2 of | ML Dwg. No. 203693 | Rev. 03

Item No.	Quantity Required -000						Part No.	Nomenclature or Description	Reference Designation
1	1						211560-041	KEYBOARD ASSY	
2	1						230548	CHASSIS, KEYBOARD	
3	1						230540-013	COVER, KEYBOARD	
4	1						211326	SPEAKER ASSY	
5	4						420005	BUMPER, GRAY	
6	1						230648	CLAMP, CABLE	
7									
8	1						370004-608	SCREW, FLAT HEAD 100°	
9	8						370036-605	SCREW, PAN HEAD PH, RECESSED LOCKING	
10	10						370002-600	WASHER, FLAT	
11	2						370027-600	NUT, LOCKING	
12	1						290069	LABEL, ASSY NO. UNIVERSAL	2

790406-03

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APPLICATION	
NEXT ASSY	MODEL
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 167-79	-	EB	6/27/79
02	INCORP DCO 09468	LW/KW	TLR	10-9-79
03	CODE 10 RELEASE W/O CHANGES PER DCO 10848	LM	EB	6/18/80

2. TYPE APPROPRIATE INFORMATION ON THE UNIVERSAL ASSY NO. LABEL (ITEM 12) PER DRAWING 190328.

1. FOR INSTALLATION OF LISTED ITEMS, SEE KEYBOARD INSTALLATION 190214.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	FClark/ms	5/11/79
CHECK	[illegible]	[illegible]
APPR	RCohen	6-22-79
RELEASE	G. Emil	6/27/79

UNLESS OTHERWISE SPECIFIED
1. TOLERANCES .xx ±.03 ANGULAR .xxx ±.010 ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 OR BETTER
5. INTERPRET DWG PER ANS Y14
6. DIM ARE IN INCHES

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE: KEYBOARD ASSY, TYPEWRITER/NUM PAD (UNIVAC ASCII)

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	203693	03
SCALE	DO NOT SCALE DWG	SHEET 1 OF 2	

790101-07

MATERIAL LIST

PERTEC COMPUTER CORPORATION

Sheet 2 of | ML Dwg. No. 203964 | Rev. 04

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
1	1	230740-000	BASE, DISPLAY STATION	
2	1	230724-000	COVER, DISPLAY STATION	
3	1	211729-000	DISPLAY PANEL ASSY	
4	AR	360034-001	GASKET, EMI-RFI ROUND	
5	1	211724-000	CHASSIS ASSY, MONITOR	
6	1	211726-000	CABLE ASSY, BNC	
7	1	211210-000	CABLE ASSY, DSPL TO KYBD	
8	1	370016-XXX	TIE, WRAP	
9	2	540044-001	PLATE, HINGE MTG	
10	2	540044-002	SCREW, HINGE MTG PLATE	
11	2	370642-000	SCREW, PAN HEAD RECESSED	
12	1	370036-604	SCREW, PAN HEAD LOCKING	
13				
14	1	370574-001	CLAMP, CABLE	
15	4	420176-001	BUMPER	
16				
17	6	370651-000	SCREW, HEX INDENTED HEAD	
18	4	370651-010	SCREW, HEX INDENTED HEAD	
19	4	370005-800	NUT, HEX	

790406-03

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APPLICATION	
NEXT ASSY	MODEL
	4143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 477-79		EB	11/12/79
02	REVISED PER ENGR INPUT	F.C.	RES	1/30/80
03	ADDED ITEM 4, ITEM 18 WAS 370651-016, ITEM 19 WAS 370005-600, ITEM 21 WAS QTY 10, ADDED ITEM 26, IN G/N DWG NO 190333 WAS 190328.	BM/KW	RES TLR EB	3/7/80
04	ITEM 15 QTY WAS 6 PT NO. WAS 420005-000, ADDED ITEM 27 & 28	FC/LM	RES EB	6/18/80

2. TYPE APPROPRIATE INFORMATION ON THE UNIVERSAL ASSY NO. LABEL (ITEM 23) PER DRAWING 190333.

1. FOR INSTALLATION OF ITEMS LISTED REFER TO DRAWING 190332.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	F CLARK/kw	10-22-79
CHECK	[illegible]	11-7-79
APPR	[illegible]	11-7-79
RELEASE	G. Eul	11/12/79

UNLESS OTHERWISE SPECIFIED
1. TOLERANCES .xx ±.03 ANGULAR .xxx ±.010 ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 OR BETTER
5. INTERPRET DWG PER ANS Y14
6. DIM ARE IN INCHES

PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE: MONITOR, ASSY

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 04	A	203964	04
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 3	

790101-07

PERTEC COMPUTER CORPORATION

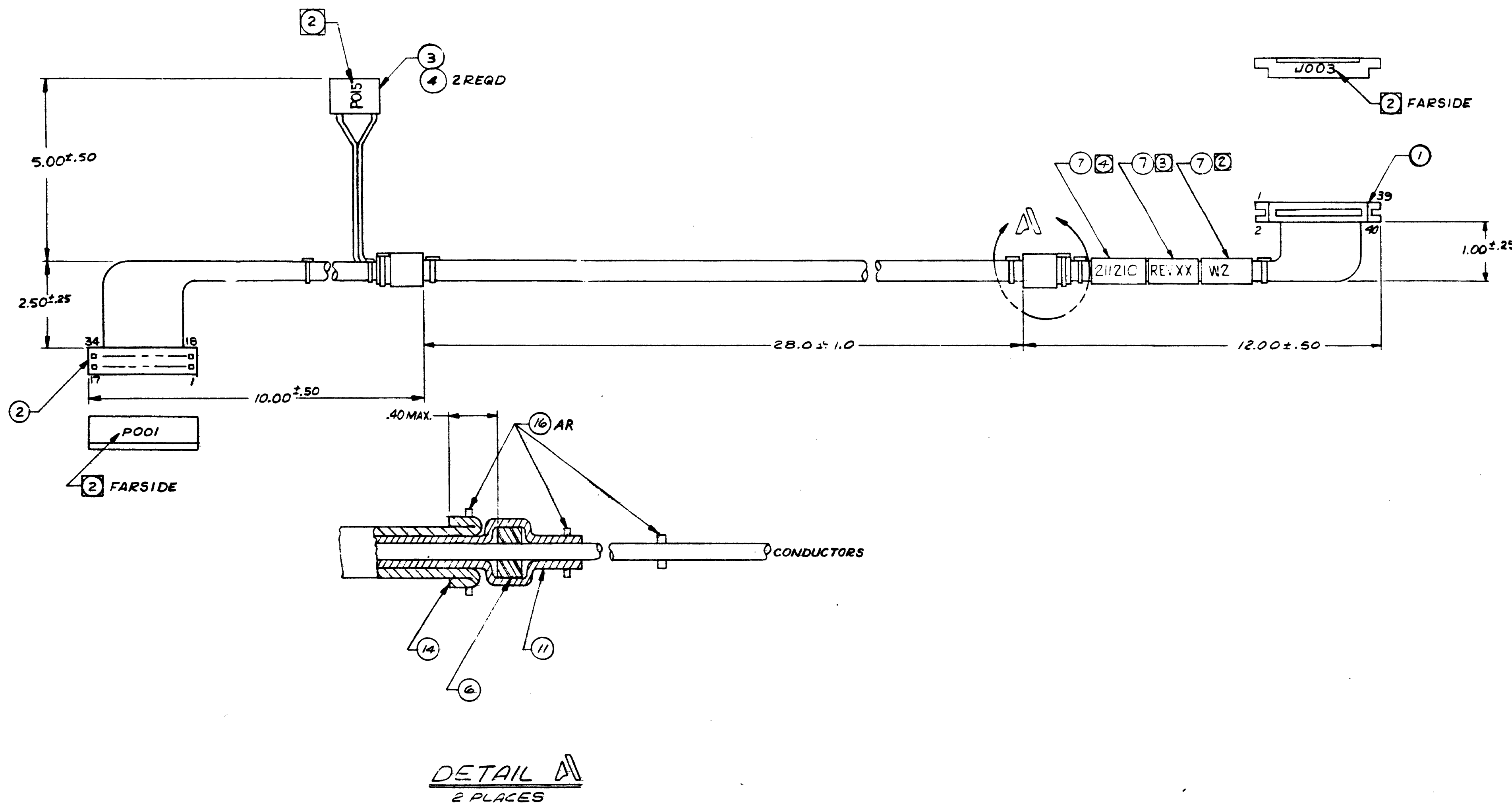
MATERIAL LIST

Sheet 3 of	ML Dwg. No. 203964	Rev.

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
20						1	370027-600	NUT, LOCKING	
21						6	370002-600	WASHER, FLAT	
22						1	290305-000	LABEL, POWER REQUIREMENT	
23						1	290069-000	LABEL, ASSY NO. UNIVERSAL	2
24						1	750098-000	PACKAGING, KEY STATION	
25						1	290345-000	WARNING LABEL	
26						4	370002-800	WASHER, FLAT	
27						1	211855-000	STRAP, HINGE GROUNDING	
28						AR	700019-000	ADHESIVE, SILASTIC RTV	

REVISIONS

SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO		EB	
02	INCORP DCC 04563		EB	
03	INCORP DCO 05089		EB	
04	INCORP DCO 04915		EB	
05	INCORP DCO 05230		EB	4/28/77
06	INCORP DCO 08483		EB	12/14/78
07	INCORP DCO 08716		EB	4/5/79
08	CODE 10 RELEASE W/O CHANGE PER DCO 10869		EB	



DETAIL A
2 PLACES

4 PERMANENTLY MARK PART NO USING .09 HIGH CHARACTERS PER SPEC 100034.
3 PERMANENTLY MARK "REV" AND APPROPRIATE REVISION LEVEL USING .09 HIGH CHARACTERS PER SPEC 100034.
2 PERMANENTLY MARK REFERENCE DESIGNATIONS USING .09 HIGH CHARACTERS PER SPEC 100034.
1 REFERENCE CABLE DIAGRAM, 120986 AND 121050.

NOTES: UNLESS OTHERWISE SPECIFIED

NEXT ASSY	QTY	MODEL	QTY
		3143	–
		4143	–
211179	1	4141	–

APPLICATION

QTY REQD	ITEM NO	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION

MATERIAL LIST

NOTES UNLESS SPECIFIED
1. TOLERANCES .XX ±.030 .XXX ±.010 ANGULAR ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125√ OR BETTER
5. INTERPRET DWG PER MIL D 1000
6. DIM ARE IN INCHES

DRAWN	CLARK	9/3/76
CHECK		10-1-76
APPR		10/4/76
RELEASE		10/4/76

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MATERIAL

FINISH

PERTEC BUSINESS SYSTEMS DIVISION

TITLE: CABLE ASSY, DSPL TO KYBD

CODE IDENT NO | D C CODE 10 | SIZE D | DWG NO 211210 | REV 08

SCALE NONE | DO NOT SCALE DWG | SHEET 1 OF 4

PERTEC BUSINESS SYSTEMS

MATERIAL LIST

Title	CABLE ASSY, DSPL TO KYBD	Advance Approval	Sheet 2 of –	ML Dwg. No. 211210	Rev. 08

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	320279-002	CONNECTOR PCB	J003
2						1	320287	CONNECTOR	P001
3						1	320002-031	CONNECTOR, NYLON	P015
4						2	320001-222	CONTACT, CONN (MALE)	
5									
6						2	241591	FERRULE, CABLE	
7						3	420019	TIE, IDENTIFICATION	
8									
9									
10						AR	510129-000	CABLE, RIBBON (TWISTED PAIR)	
11						AR	510093-009	CABLE, FLAT BRAIDED	
12									
13									
14						AR	420014-008	SLEEVE, BRAIDED NYLON (BLACK)	
15									
16						AR	370016-100	TIE WRAP	

PERTEC
BUSINESS SYSTEMS DIVISION

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	J003-01		P001-01			0HIHZ		TWISTED
2	02		18			SGND		PAIR
3	03		02			1RST		
4	04		19			SGND		
5	05		03			0K1		
6	06		20			LGND		
7	07		04			0K2		
8	08		21			LGND		
9	09		05			1RPT		
10	10	1	22	2	10	SGND		
11	11		06			1SHF2		
12	12		23			SGND		
13	13		07			1CLM1		
14	14		24			SGND		
15	15		08			1RW2		
16	16		25			SGND		
17	17		09			1CLM2		
18	18		26			SGND		
19	19		10			1CLM4		TWISTED
20	J003-20		P001- 27			SGND		PAIR

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211210 REV 08
SHEET 3

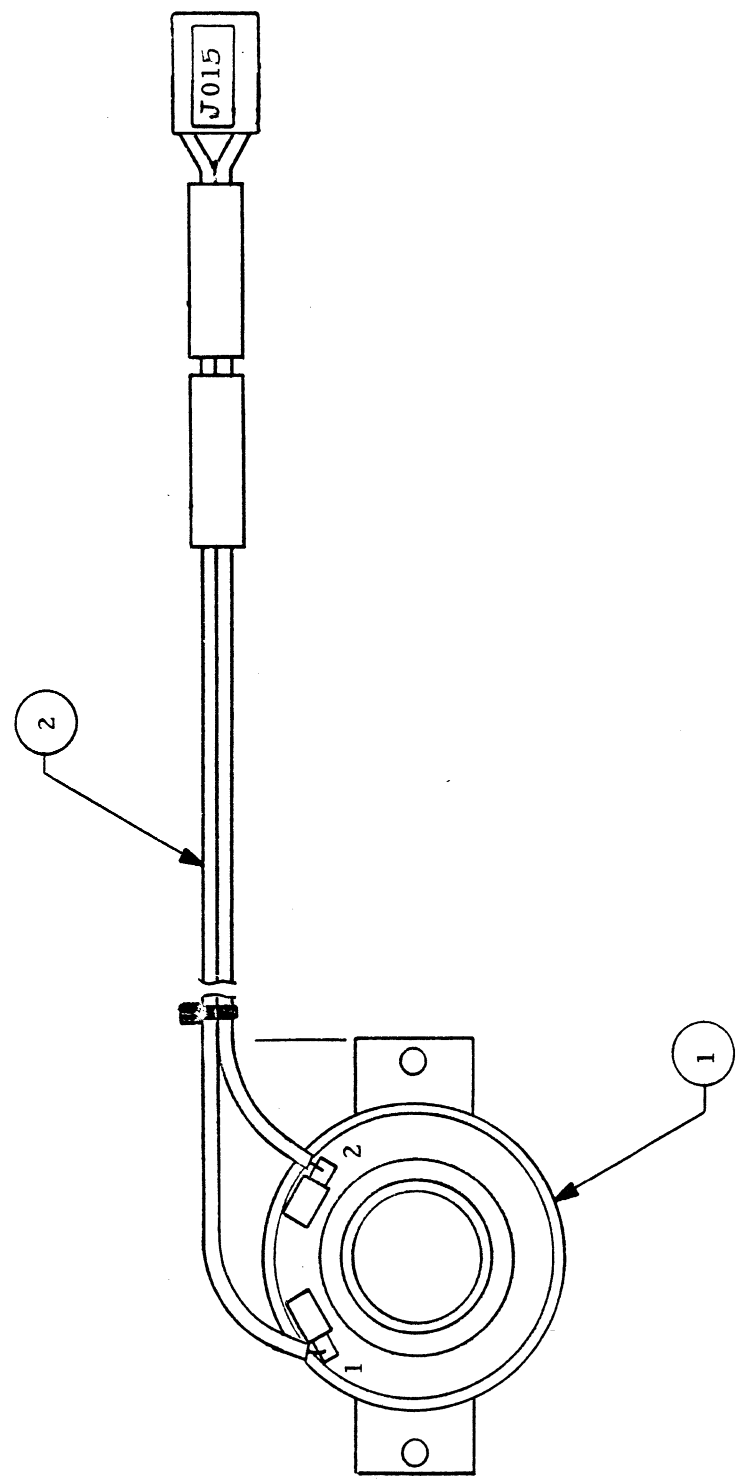
PERTEC
BUSINESS SYSTEMS DIVISION

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
21	J003-21		P001-11			+5V		TWISTED
22	22		28			+5V		PAIR
23	23		12			1RW1		
24	24		29			SGND		
25	25		13			1RW4		
26	26		30			SGND		
27	27	1	14	2	10	1RW8		
28	28		31			SGND		
29	29		15			1SHF1		
30	30		32			SGND		
31	31		P001-16			SPARE		
32	32		P001-33			LGND		
33	33		P015-01	4		0SPKR		TWISTED
34	J003-34		P015-03	4		1SPKR		PAIR

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211210 REV 08
SHEET 4



PERTEC BUSINESS SYSTEMS DIVISION	SIZE	DWG NO.	REV
	A	211326	03
			SHEET 2

798104-04

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REVISIONS

SYM	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 125-77			2/11/77 Ⓡ
02	INCORP DCO 07011	MV	EB	4/4/78 Ⓡ
03	CODE 10 RELEASE W/O CHANGES PER DCO 10848	JN/LM	EB	6/18/82

APPLICATION

QTY	NEXT ASSY	QTY	MODEL
	MULTI		4141
			4143
			3143

1. MARK PART NUMBER PER SPECIFICATION 100034 (TAG OR BAG).

NOTES: UNLESS OTHERWISE SPECIFIED.

DRAWN	TCLARK/mv	2/10/77
CHECK	TL RODRIGUEZ	2-11-77
APPR	[illegible]	2/11-77
RELEASE	G. [illegible]	2/11/77

1. TOLERANCES
   .xx ±.03 ANGULAR
   .xxx ±.010 ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 ✓ OR BETTER
5. INTERPRET DWG PER MIL-D-1000
6. DIM ARE IN INCHES

PERTEC BUSINESS SYSTEMS DIVISION

TITLE

SPEAKER ASSY

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211326	03
SCALE	DO NOT SCALE DWG	SHEET 1 OF 3	

790101-

PCC BUSINESS SYSTEMS
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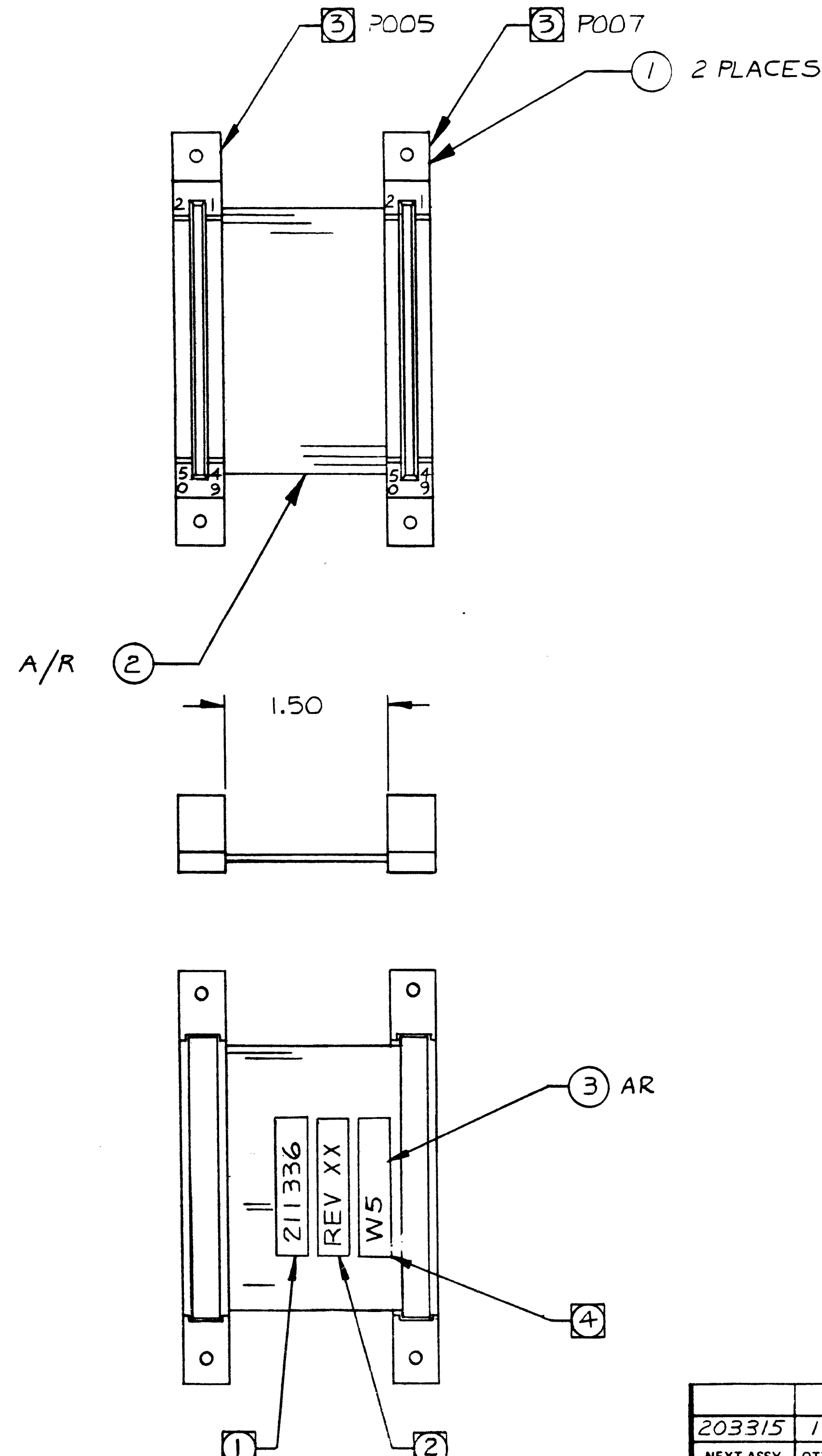
MATERIAL LIST

Sheet 3 of	ML Dwg. No. 211326	Rev.

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	530102	SPEAKER	
2						1	211528	CABLE ASSY, SPEAKER	

790406-02

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 484-77	MP	EB	6/10/77
02	INCORP DCO 06388	RU/MV	TLE EB	11/30/77
03	CODE 06 REL W/O CHANGE PER DRO 223-78	TC	TE EB	3.5/78
04	INCORP DCO 07651	TC	TLR EB	8/1/78
05	CODE 10 RELEASE W/O CHANGE PER DCO 10869	KA	EB	6/15/80



NOTE: UNLESS OTHERWISE SPECIFIED

1. MARK PART NO. USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.
2. MARK "REV" AND APPROPRIATE REVISION LEVEL USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.
3. MARK REF DESIGNATIONS USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.
4. MARK "W5" USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.

ITEM NO.	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

MATERIAL LIST

		3143	—
203315	1	4143	—
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

UNLESS OTHERWISE SPECIFIED

1. TOLERANCES .xx ±.030 .xxx ±.010 ANGULAR 0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES 010 APPROX
4. MACH SURFACES 125 ✓ OR BETTER
5. INTERPRET DWG PER MIL D 1000
6. DIM ARE IN INCHES

DRAWN	M. PUNT	2-20-77
CHECK	[illegible]	6-9-77
APPR	[illegible]	6-10-77
RELEASE	G. Brink	6/10/77

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MATERIAL

FINISH

PCC BUSINESS SYSTEMS
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TITLE CABLE ASSY, PCB INTERCONNECT

CODE IDENT NO	SIZE	DWG NO	REV
D C CODE 10	C	211336	05
SCALE FULL	DO NOT SCALE DWG	SHEET 1 OF 2	

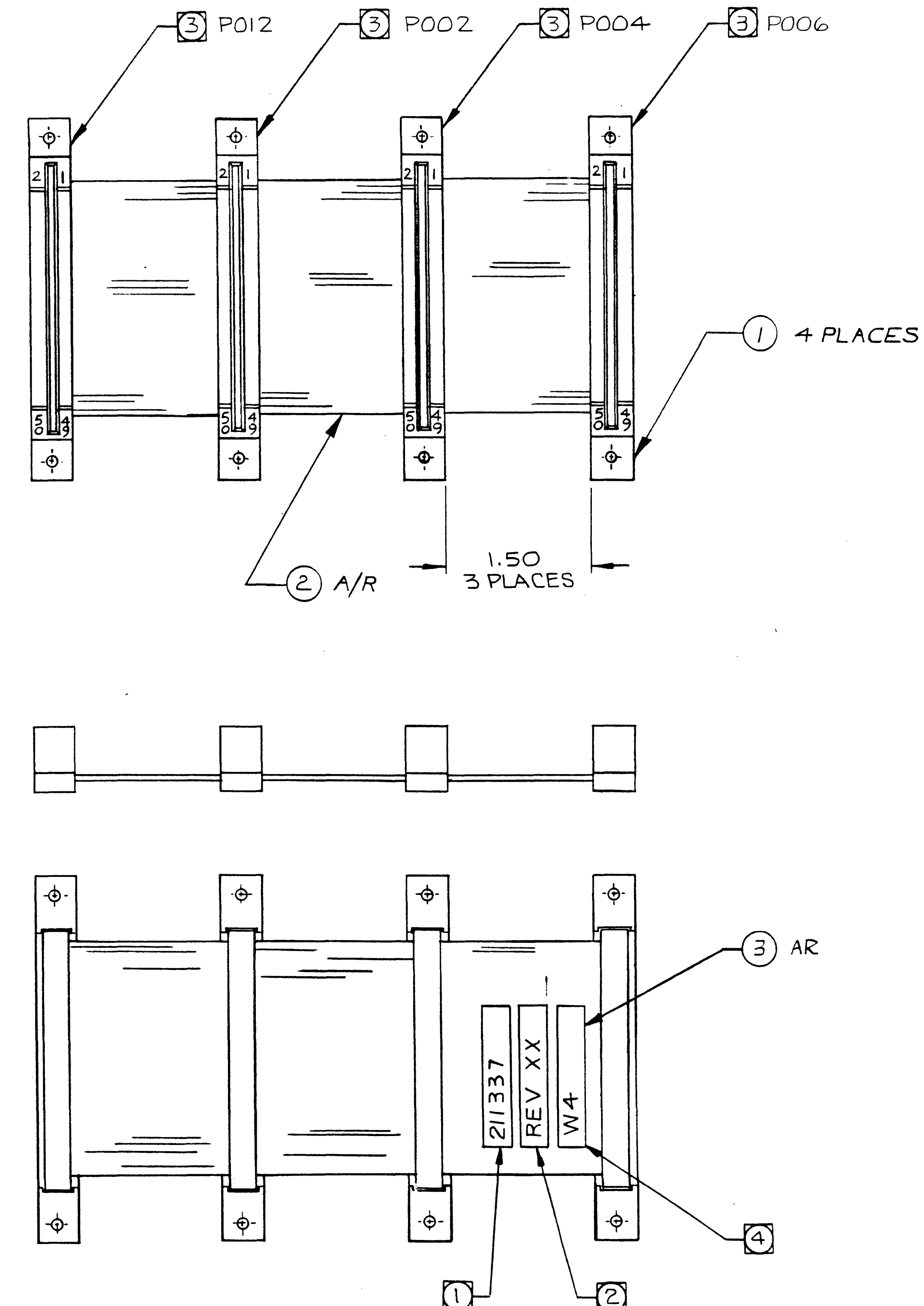
790106-03

PERTEC BUSINESS SYSTEMS

MATERIAL LIST

Title CABLE ASSY, PCB INTERCONNECT	Advance Approval	Sheet 2 of 2	ML Dwg. No. 211336	Rev. 05

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						2	320279	CONN, EDGE .100" CENTERS	
2						AR	510122-007	CABLE, FLAT 50 COND. 26AWG	
3						AR	740005	LABEL, SELF ADHESIVE	



REVISIONS

SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 484-77	MP	EB	6/10/77
02	INCORP DCO 06388	PW/MV	EB	11/30/77
03	CODE 06 REL W/O CHANGE PER DRO 223-78	TC	EB	3/15/78
04	INCORP DCO 07651	TC	TLP EB	8/1/78
05	CODE 10 RELEASE W/O CHANGE PER DCO 10869	KK	EB	6/9/80

NOTE: UNLESS OTHERWISE SPECIFIED

1. MARK PART NO. USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.
2. MARK "REV" AND APPROPRIATE REVISION LEVEL USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.
3. MARK REF DESIGNATIONS USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.
4. MARK "W4" USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.

ITEM NO.	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

MATERIAL LIST

UNLESS OTHERWISE SPECIFIED

1. TOLERANCES .xx ± .030 .xxx ± .010 ANGULAR 0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 √ OR BETTER
5. INTERPRET DWG PER MIL-D-1000
6. DIM ARE IN INCHES

DRAWN	M. PUNT	2-18-77
CHECK	[signature]	6-8-77
APPR	[signature]	6-10-77
RELEASE	G. Bird	6/10/77

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PCC BUSINESS SYSTEMS
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TITLE CABLE ASSY, PCB INTERCONNECT

MATERIAL

FINISH

NEXT ASSY	QTY	MODEL	QTY
		3143	—
203315	1	4143	—

APPLICATION

CODE IDENT NO	SIZE	DWG NO	REV
D C CODE 10	C	211337	05

SCALE FULL — DO NOT SCALE DWG — SHEET 1 OF 2

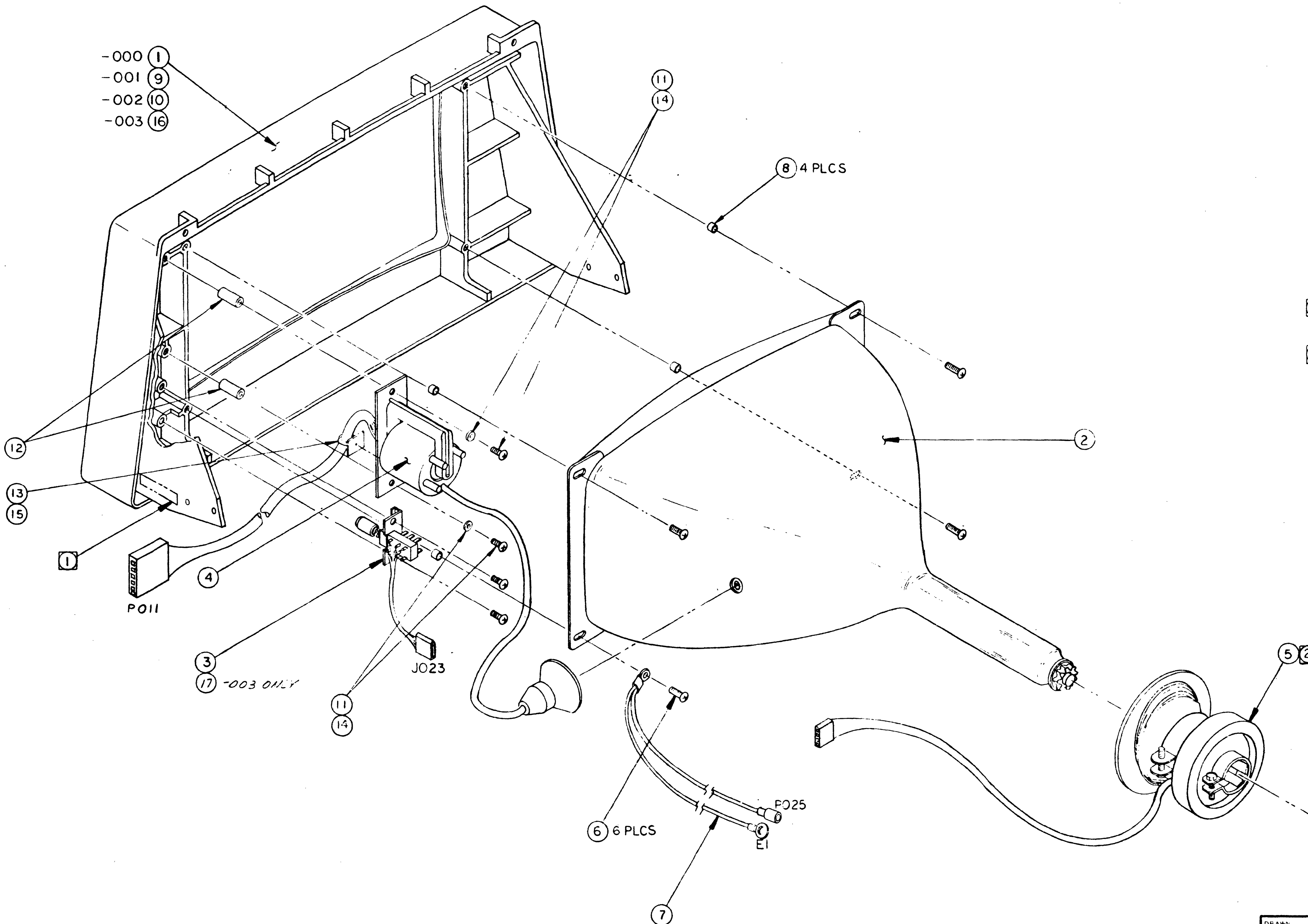
PY0106-03

PERTEC BUSINESS SYSTEMS

MATERIAL LIST

Title	Advance Approval	Sheet	ML Dwg. No.	Rev.
CABLE ASSY, PCB INTERCONNECT		2 of 2	211337	05

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						4	320279	CONN, EDGE .100" CENTERS	
2						AR	510122-007	CABLE, FLAT 50 COND. 26AWG	
3						AR	740005	LABEL, SELF ADHESIVE	



REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 790-77		EB	10-20-77
02	INCORP DCO 06832	[illegible]	EB	2/1/78
03	CODE C6 REL W/O CHANGE PER DRO 223-78	[illegible]	EB	3/15/78
04	INCORP DCO 07133	[illegible]	EB	4/28/78
05	INCORP DCO 07211	[illegible]	EB	[illegible]
06	INCORP DCO 07255	TC	EB	[illegible]
07	INCORP DCO 07344	TC	EB	[illegible]
08	INCORP DCO 07758	[illegible]	EB	10/16/78
09	INCORP DCO 08207	BM	EB	11/13/78
10	SEE VARIATION DCO 05206	EM	EB	4/24/79
11	INCORP DCO 08921	EM	TLR EB	4/24/79
12	INCORP DCO 08937	EV	EB	7/3/79
13	INCORP DCO 09910	[illegible]	EB	12/14/79

NOTE : UNLESS OTHERWISE SPECIFIED

1. PERMANENTLY MARK ASSY NUMBER AND APPROPRIATE REV NUMBER APPROX WHERE SHOWN PER SPECIFICATION 100034 (RUBBER STAMP).
2. YOKE WIRES TO DRESS DOWN VERTICALLY WHEN INSTALLED ON TUBE.

203315	1	4143	—
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	WALLACE	8-9-77
CHECK	J. NORTON	10-20-77
APPR	T. STEPHENSON	10-20-77
RELEASE	G. BRINK	10-20-77

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PEC BUSINESS SYSTEMS

TITLE: DISPLAY PANEL ASSY

CODE IDENT NO	SIZE	DWG NO	REV
DC CODE 06	D	211440	13
SCALE 1/2	DO NOT SCALE DWG	SHEET 1 OF 2	

BUSINESS SYSTEMS
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MATERIAL LIST

Sheet 2 of 2	ML Dwg. No. 211440	Rev. 13

Item No.	Quantity Required		-003	-002	-001	-000	Part No.	Nomenclature or Description	Reference Designation
1			0	0	0	1	230571	BEZEL, DISPLAY STATION	
2			1	1	1	1	530103	CRT	
3			0	1	1	1	211509	SWITCH ASSY	J023
4			1	1	1	1	211460	FLYBACK TRANSFORMER ASSY	
5			1	1	1	1	211463	YOKE ASSY	
6			6	6	6	6	370036-604	SCREW, PAN HEAD, LOCKING	
7			1	1	1	1	211746-000	GND STRAP, CRT	E1,P025
8			4	4	4	4	241864	SPACER, NEOPRENE	
9			0	0	1	0	230571-001	BEZEL, DISPLAY STATION	
10			0	1	0	0	230571-002	BEZEL, DISPLAY STATION	
11			2	2	2	2	370036-616	SCREW, PAN HD, LOCKING	
12			2	2	2	2	420002-610	SPACER	
13			1	1	1	1	370345-001	BASE, TIE WRAP	
14			2	2	2	2	370002-600	WASHER, FLAT	
15			1	1	1	1	370016-100	TIE WRAP	
16			1	0	0	0	230571-006	BEZEL, DISPLAY STATION	
17			1	0	0	0	211667	SWITCH ASSY	J023

DASH NUMBER	DESCRIPTION
-003	115V PCC
-004	230V PCC
-005	100V PCC
-006	115V ESSELTE
-007	230V ESSELTE
-008	100V ESSELTE
-009	230V TA
-010	115V IMDATA
-011	230V IMDATA
-012	230V SECOINSA
-013	115V CMCI
-014	230V CMCI
-015	100V CMCI
-016	-230 CMC FRANCE
-017	230V KODE
-018	115V UNIVAC
-019	230V UNIVAC
-020	100V UNIVAC

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PCC	SIZE	DWG NO.	REV
	A	211456	25
			SHEET 2

790104-06

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APPLICATION

NEXT ASSY	MODEL
MULTI	4143
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
	RELEASE PER DRO			
14	INCORP. DCO 08712	LW	EB	3/12/79 (R)
15	SEE VARIATION DCO 08916	MS	EB	5/7/79 (R)
16	INCORP DCO 09120	MS	EB	5/7/79 (R)
17	INCORP DCO 08935	KW	EB	7/2/79 (R)
18	INCORP DCO 10263	BM/KW	EB	1/7/80 (R)
19	INCORP DCO 10281	FC/KW	EB	2/22/80 (R)
20	INCORP DCO 10385	BM/LM	EB	3/25/80 (R)
21	INCORP DCO 10270	BM/LM	EB	3/28/80 (R)
22	INCORP DCO 10614	BM/LM	EB	5/15/80 (R)
23	INCORP DCO 10749	LM	EB	5/28/80
24	CODE 10 REL W/O CHANGES PER DCO 10846	FC/LM	EB	6/19 (R)
25	INCORP DCO 10870	FC/LM	EB	7/10/80 (R)

3

CONSTRUCTION	PERTEC PART NO.
A	CABLE ASSY COAXIAL 211624
B	CABLE ASSY COAXIAL 211584-015

3. SEE CONSTRUCTION BLOCK FOR CABLE PART NO. CONSTRUCTION "A" PREFERRED.

2. THIS DRAWING MUST BE FURNISHED WITH ALL KITS.

1. FOR INSTALLATION OF ITEMS LISTED REFER TO DRAWING 190342 OR FIELD INSTALLATION INSTRUCTIONS 190249.

NOTE: UNLESS OTHERWISE SPECIFIED

DRAWN	mv WALLACE	8/9/77
CHECK	J. NORTON	10/20/77
APPR	STEPHENSON	10/20/
RELEASE	G. BRINK	10/20/77

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE
INSTALLATION KIT

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30′
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 ✓ OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211456	25
SCALE —	DO NOT SCALE DWG	SHEET 1	OF 10

790101-07

BUSINESS SYSTEMS

MATERIAL LIST

Sheet 3 of | ML Dwg. No. 211456 | Rev. 25

Item No.	Quantity Required -005	-004	-003				Part No.	Nomenclature or Description	Reference Designation
1	0	0	1				211808-000	PLUG, POWER SELECTION	
2	0	1	0				211808-001	PLUG, POWER SELECTION	
3	1	0	0				211808-002	PLUG, POWER SELECTION	
4									
5	1	1	1				3	CABLE ASSY, COAXIAL	
6	1	1	1				290279	LOGO, PCC	
7									
8	0	0	0				290282	LOGO, TA	
9	0	0	0				290280	LOGO, ESSELTE	
10	0	0	0				290283	LOGO, IMDATA	
11	1	0	1				510105-002	CORDSET, AC POWER MOLDED PLUG	
12	0	0	0						
13	0	0	0						
14	2	2	2				190249	INSTALLATION INSTRUCTIONS	
15	1	1	1				320127	ADAPTER , BNC (FMF)	
16	0	0	0				290301	LOGO, SECOINSA	
17	0	0	0				290308	LOGO, CMCI	
18	0	0	0				290314	LOGO, CMC FRANCE	
19	1	1	1				680356-000	KEYSTATION OPERATORS GUIDE	
20	0	0	0				290325	LOGO, KODE 4143	
21	0	0	0				686033	KEYSTATION OPERATORS GUIDE (KODE)	
22	0	1	0				211825-000	CABLE ASSY, POWER	

790406-02

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 4 of | ML Dwg. No. 211456 | Rev. 25

Item No.	Quantity Required			-005	-004	-003	Part No.	Nomenclature or Description	Reference Designation
23				0	0	0	680362-000	KEYSTATION OPERATORS GUIDE (UNIVAC)	
24				0	0	0	190342-000	MONITOR ASSY INSTALLATION	

790406-03

BUSINESS SYSTEMS

MATERIAL LIST

Sheet 5 of | ML Dwg. No. 211456 | Rev. 25

Item No.	Quantity Required -011	-010	-009	-008	-007	-006	Part No.	Nomenclature or Description	Reference Designation
1	0	1	0	0	0	1	211808-000	PLUG, POWER SELECTION	
2	1	0	0	0	1	0	211808-001	PLUG, POWER SELECTION	
3	0	0	0	1	0	0	211808-002	PLUG, POWER SELECTION	
4									
5	1	1	1	1	1	1	3	CABLE ASSY, COAXIAL	
6	0	0	0	0	0	0	290279	LOGO, PCC	
7									
8	0	0	1	0	0	0	290282	LOGO, TA	
9	0	0	0	1	1	1	290280	LOGO, ESSELTE	
10	1	1	0	0	0	0	290283	LOGO, IMDATA	
11	0	1	0	1	0	1	510105-002	CORDSET, AC POWER-MOLDED PLUG	
12									
13									
14	2	2	2	2	2	2	190249	INSTALLATION INSTRUCTIONS	
15	1	1	1	1	1	1	320127	ADAPTER, BNC (FMF)	
16	0	0	0	0	0	0	290301	LOGO, SECOINSA	
17	0	0	0	0	0	0	290308	LOGO, CMCI	
18	0	0	0	0	0	0	290314	LOGO, CMC FRANCE	
19	1	1	0	1	1	1	680356-000	KEYSTATION OPERATORS GUIDE	
20	0	0	0	0	0	0	290325	LOGO, KODE 4143	
21	0	0	0	0	0	0	686033	KEYSTATION OPERATORS GUIDE (KODE)	
22	1	0	1	0	1	0	211825-000	CABLE ASSY, POWER	

790406-02

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 6 of | ML Dwg. No. 211456 | Rev. 25

Item No.	Quantity Required -011	-010	-009	-008	-007	-006	Part No.	Nomenclature or Description	Reference Designation
23	0	0	0	0	0	0	680362-000	KEYSTATION OPERATORS GUIDE (UNIVAC)	
24	0	0	0	0	0	0	190342-000	MONITOR ASSY INSTALLATION	

790406-03

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 7 of | ML Dwg. No. 211456 | Rev. 25

Item No.	-017	-016	-015	-014	-013	-012	Part No.	Nomenclature or Description	Reference Designation
1	0	0	0	0	1	0	211808-000	PLUG, POWER SELECTION	
2	1	1	0	1	0	1	211808-001	PLUG, POWER SELECTION	
3	0	0	1	0	0	0	211808-002	PLUG, POWER SELECTION	
4									
5	1	1	1	1	1	1	3	CABLE ASSY, COAXIAL	
6	0	0	0	0	0	0	290279	LOGO, PCC	
7									
8	0	0	0	0	0	0	290282	LOGO, TA	
9	0	0	0	0	0	0	290280	LOGO, ESSELTE	
10	0	0	0	0	0	0	290283	LOGO, IMDATA	
11	0	0	1	0	1	0	510105-002	CORDSET, AC POWER MOLDED PLUG	
12									
13									
14	2	2	2	2	2	2	190249	INSTALLATION INSTRUCTIONS	
15	1	1	1	1	1	1	320127	ADAPTER, BNC (FMF)	
16	0	0	0	0	0	1	290301	LOGO, SECOINSA	
17	0	0	1	1	1	0	290308	LOGO, CMCI	
18	0	1	0	0	0	0	290314	LOGO, CMC FRANCE	
19	0	0	0	0	0	0	680356-000	KEYSTATION OPERATORS GUIDE	
20	1	0	0	0	0	0	290325	LOGO, KODE 4143	
21	1	0	0	0	0	0	686033	KEYSTATION OPERATORS GUIDE (KODE)	
22	1	1	0	1	0	1	211825-000	CABLE ASSY, POWER	

790406-02

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 8 of | ML Dwg. No. 211456 | Rev. 25

Item No.	-017	-016	-015	-014	-013	-012	Part No.	Nomenclature or Description	Reference Designation
23	0	0	0	0	0	0	680362-000	KEYSTATION OPERATORS GUIDE (UNIVAC)	
24	0	0	0	0	0	0	190342-000	MONITOR ASSY INSTALLATION	

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 9 of | ML Dwg. No. 211456 | Rev. 25

Item No.	-020	-019	-018	Part No.	Nomenclature or Description	Reference Designation
1	0	0	1	211808-000	PLUG, POWER SELECTION	
2	0	1	0	211808-001	PLUG, POWER SELECTION	
3	1	0	0	211808-002	PLUG, POWER SELECTION	
4						
5	1	1	1	3	CABLE ASSY, COAXIAL	
6	0	0	0	290279	LOGO, PCC	
7						
8	0	0	0	290282	LOGO, TA	
9	0	0	0	290280	LOGO, ESSELTE	
10	0	0	0	290283	LOGO, IMDATA	
11	1	0	1	510105-002	CORDSET, AC POWER MOLDED PLUG	
12						
13						
14	2	2	2	190249	INSTALLATION INSTRUCTIONS	
15	1	1	1	320127	ADAPTER, BNC (FMF)	
16	0	0	0	290301	LOGO, SECOINSA	
17	0	0	0	290308	LOGO, CMCI	
18	0	0	0	290314	LOGO, CMC FRANCE	
19	0	0	0	680356-000	KEYSTATION OPERATORS GUIDE	

790406-03

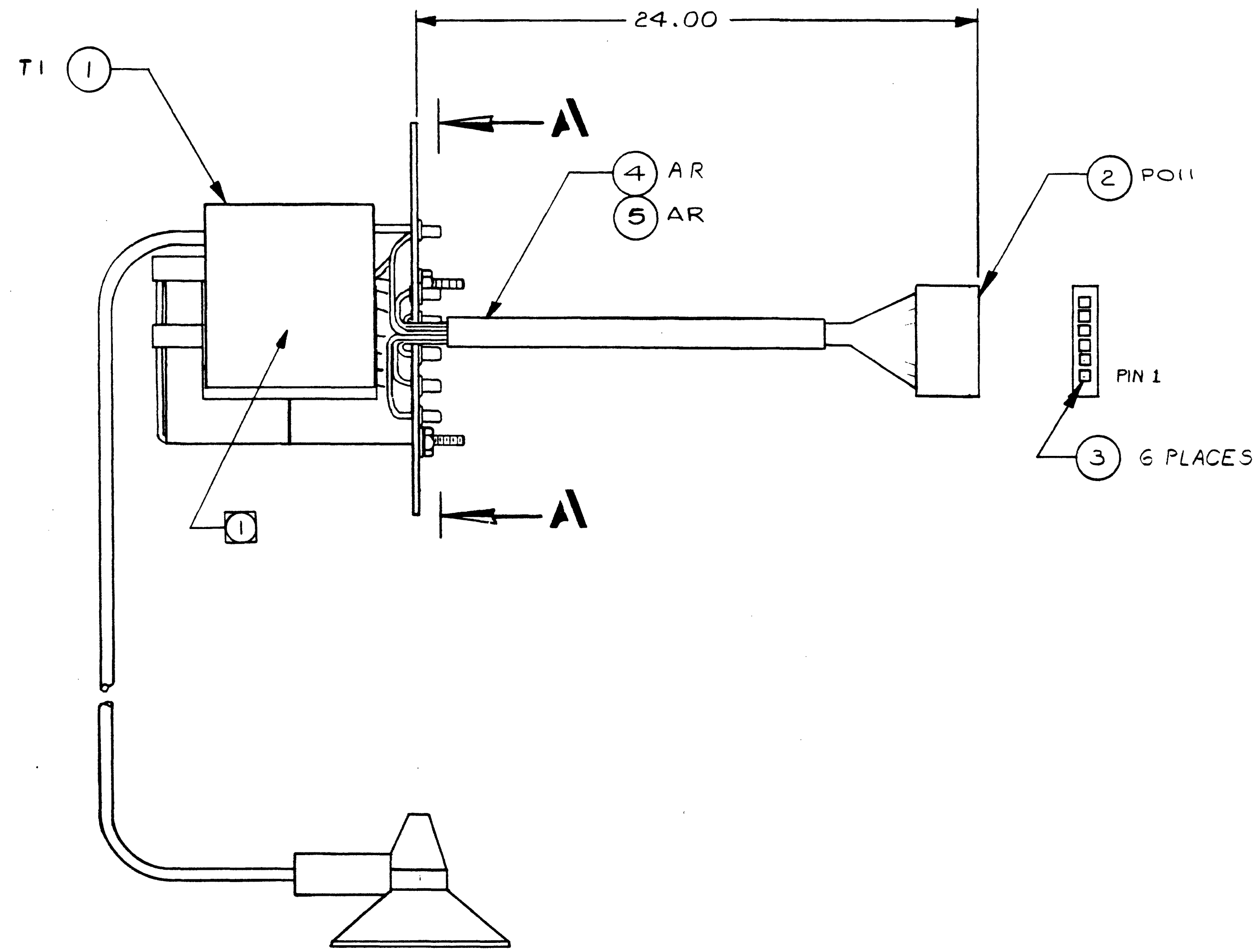
PERTEC COMPUTER CORPORATION

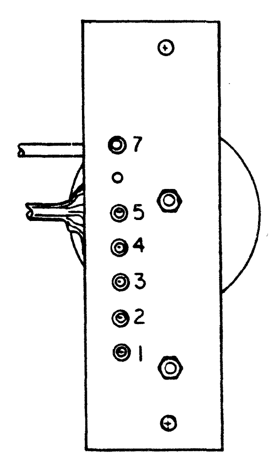
MATERIAL LIST

Sheet 10 of 10 | ML Dwg. No. 211456 | Rev. 25

Item No.	-020	-019	-018	Part No.	Nomenclature or Description	Reference Designation
20	0	0	0	290325	LOGO, KODE 4143	
21	0	0	0	686033	KEYSTATION OPERATORS GUIDE (KODE)	
22	0	1	0	211825-000	CABLE ASSY, POWER	
23	1	1	1	680362-000	KEYSTATION OPERATORS GUIDE (UNIVAC)	
24	2	2	2	190342-000	MONITOR ASSY INSTALLATION	

790406-03





VIEW A-A

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 152-78	MP	EB	2/1/78
02	CODE 06 REL W/O CHANGE PER DRO 223-78	[illegible]	TS EB	3/15/78
03	INCORP DCO 07251	[illegible]	[illegible] EB	5/5/78
04	INCORP DCO 07266	TC	TLR EB	5/12/78
05	INCORP DCO 08317	F.C.	[illegible] EB	11/29/78
06	INCORP DCO 10787	F.C.	[illegible] EB	5/1/80
07	CODE 10 RELEASE W/O CHANGES PER DCO 10829	D.K.A.	[illegible] EB	6/17/80

NOTE: UNLESS OTHERWISE SPECIFIED

1. PERMANENTLY MARK ASSY NO. AND REVISION ON THE BODY OF ITEM 1 (FLYBACK TRANSFORMER) USING .09 HIGH CHARACTERS PER SPEC 100034 IN A CONTRASTING COLOR (RUBBER STAMP).

ITEM NO.	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

MATERIAL LIST

UNLESS OTHERWISE SPECIFIED

1. TOLERANCES
   .xx ±.030 ANGULAR
   .xxx ±.010 0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 √ OR BETTER
5. INTERPRET DWG PER MIL D-1000
6. DIM ARE IN INCHES

DRAWN	M.PUNT	12-12-77
CHECK	[illegible]	1-31-78
APPR	JJH	1/31/78
RELEASE	G. Brink	2/1/78

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PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE FLYBACK TRANSFORMER ASSY

211440	-	414-3?-43	-
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

MATERIAL:

FINISH

CODE IDENT NO	SIZE	DWG NO	REV
D C CODE 10	C	211460	07
SCALE —	DO NOT SCALE DWG	SHEET 1	OF 3

790106-03

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 2 of 3 | ML Dwg. No. 211460 | Rev. 07

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	490100	TRANSFORMER, FLYBACK	T1
2						1	320396-001	CONN, HOUSING, .156 CENTERS	P011
3						6	320395-001	CONTACT, CRIMP AND INSERT	
4						AR	510111-924	WIRE, U/L 1015 STRANDED VINYL	
5						AR	420000-375	TUBING, PVC, BLACK	
6									
7									

790406-02

PERTEC
BUSINESS SYSTEMS DIVISION

ENGINEERING WIRE LIST

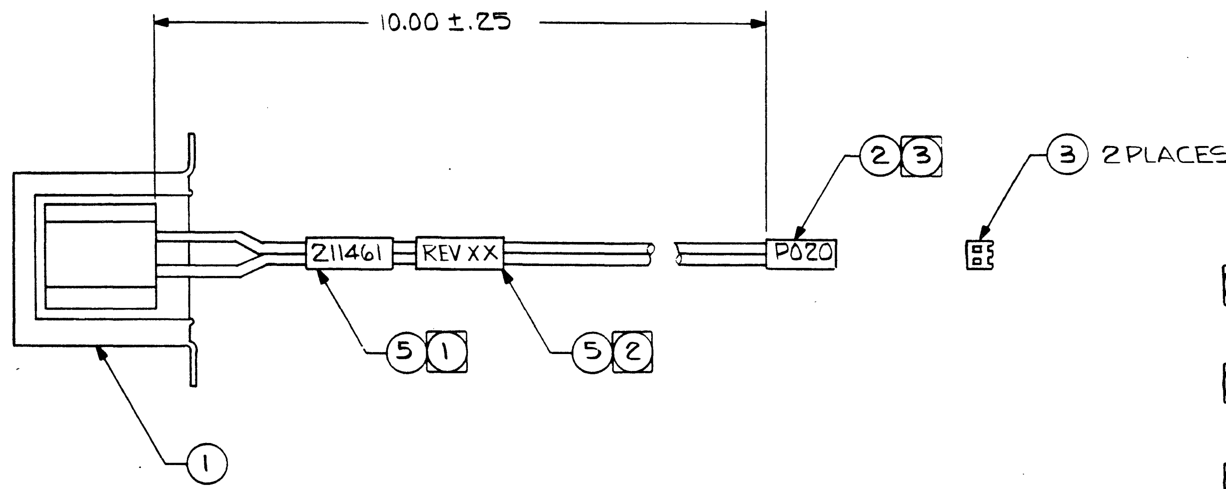
WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	T1-2	1	P011-06	2,3	7	YOKE		
2	T1-4	1	P011-02	2,3	7	VNEG		
3	T1-3	1	P011-03	2,3	7	EQ8		
4	T1-7	1	P011-04	2,3	7	1KV		
5	T1-5	1	P011-05	2,3	7	GND		
6	T1-1	1	P011-01	2,3	7	+36V		

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211460 | REV 07
SHEET 3

790242-02

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 555-77		EB	11/30/77
02	CODE 06 REL W/O CHANGE PER DRO 223-78	TC	EB	3/1/78
03	INCORP DCO 10787	F.C.	EB	6/11/80
04	CODE 10 RELEASE W/O CHANGES PER DCO 10869	D.K.A.	EB	4/18/80



NOTE : UNLESS OTHERWISE SPECIFIED

1. PERMANENTLY MARK PART NO. USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.
2. PERMANENTLY MARK "REV" AND APPROPRIATE REV LEVEL USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.
3. PERMANENTLY MARK REF DESIGNATION USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.

NEXT ASSY	QTY	MODEL	QTY
203315		4143 343	

APPLICATION

DRAWN	T CLARK	11-16-77
CHECK	TL RODRIGUES	11-28-77
APPR		11-29-77
RELEASE	G. Enck	11/30/77

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PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE INDUCTOR ASSY

CODE IDENT NO. | DC CODE 10 | SIZE C | DWG NO 211461 | REV 04

SCALE NONE | DO NOT SCALE DWG | SHEET 1 OF 2

790487-01

PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

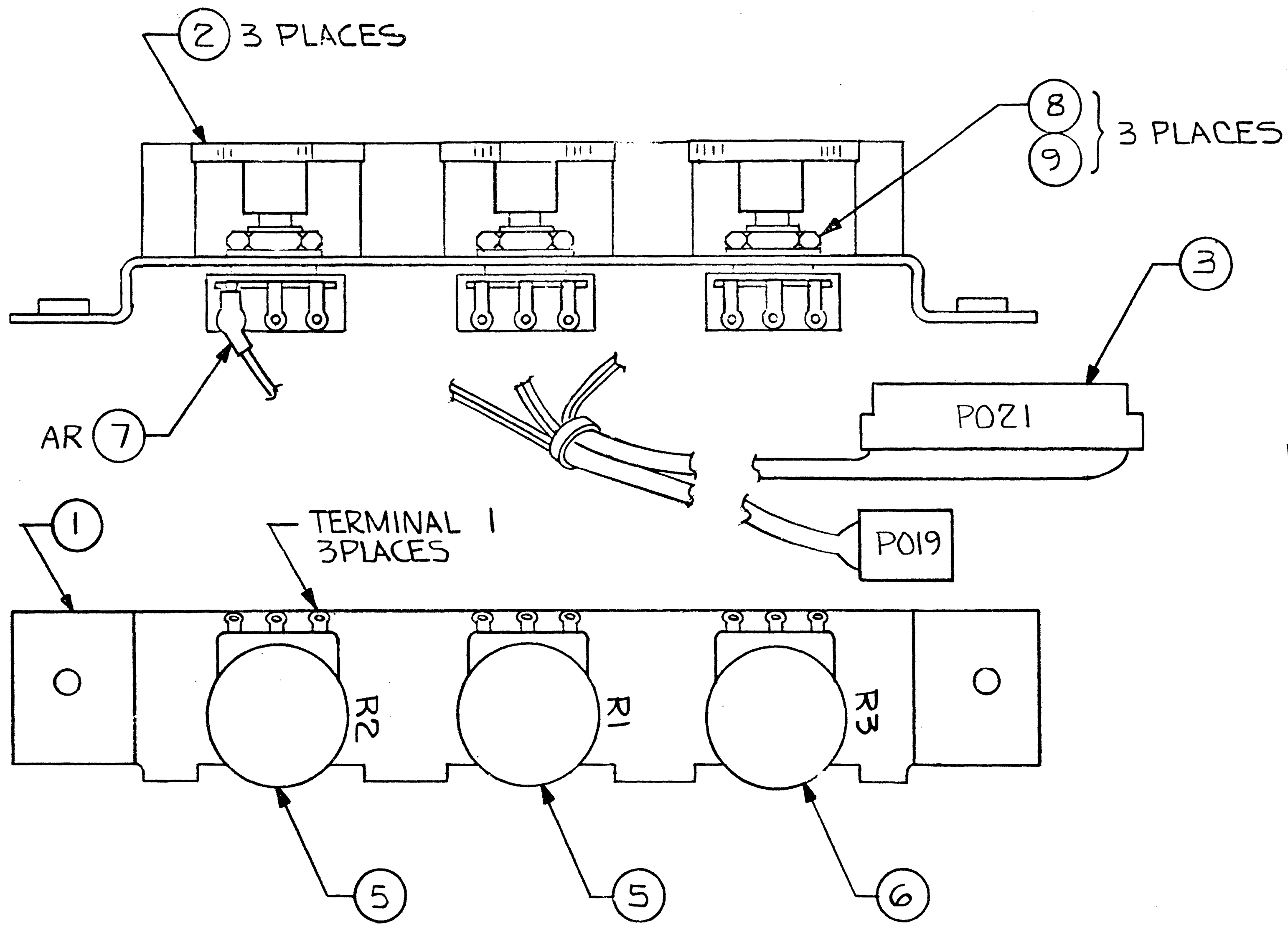
MATERIAL LIST

 | ML Dwg. No. 211461 | Rev. 04

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	490092	INDUCTOR, VERTICAL RETRACE	L1
2						1	320396-006	CONNECTOR, HOUSING, .156 CENTERS	P020
3						2	320395-001	CONTACT, CRIMP AND INSERT	P020-01 & -02
4									
5						2	420019-000	TIE, IDENTIFICATION	

790406-02

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 559-77		EB	11/30/77
02	CODE 06 REL WITH CHANGES; REVISED TERMINAL CALLOUT REL PER DRO 223-78	TC	TS EB	3/15/78
03	INCORP DCO 07670	TC	EB	7/31/78
04	INCORP DCO 08137		EB	10/5/78
05	INCORP DCO 09906	F.C.	EB	11/29/78
06	INCORP DCO 10385	BM	EB	3/25/80
07	CODE 10 RELEASE W O CHANGE PER DCO 10869	K.A.	EB	4/9/80



NOTE: UNLESS OTHERWISE SPECIFIED.
1. MARK PART NO PER SPEC 100034 (BAG OR TAG).

		3143	—
203315	1	4143	—
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

NOTES UNLESS SPECIFIED

1. TOLERANCES
   .xx ±.030 ANGULAR
   .xxx ±.010 0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125√ OR BETTER
5. INTERPRET DWG PER MIL D 1000
6. DIM ARE IN INCHES

DRAWN	TCLARK	11-17-77
CHECK	TL ROQUEBRUNE	11-29-77
APPR	[signature]	11-29-77
RELEASE	[signature]	11/30/77

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MATERIAL:

FINISH:

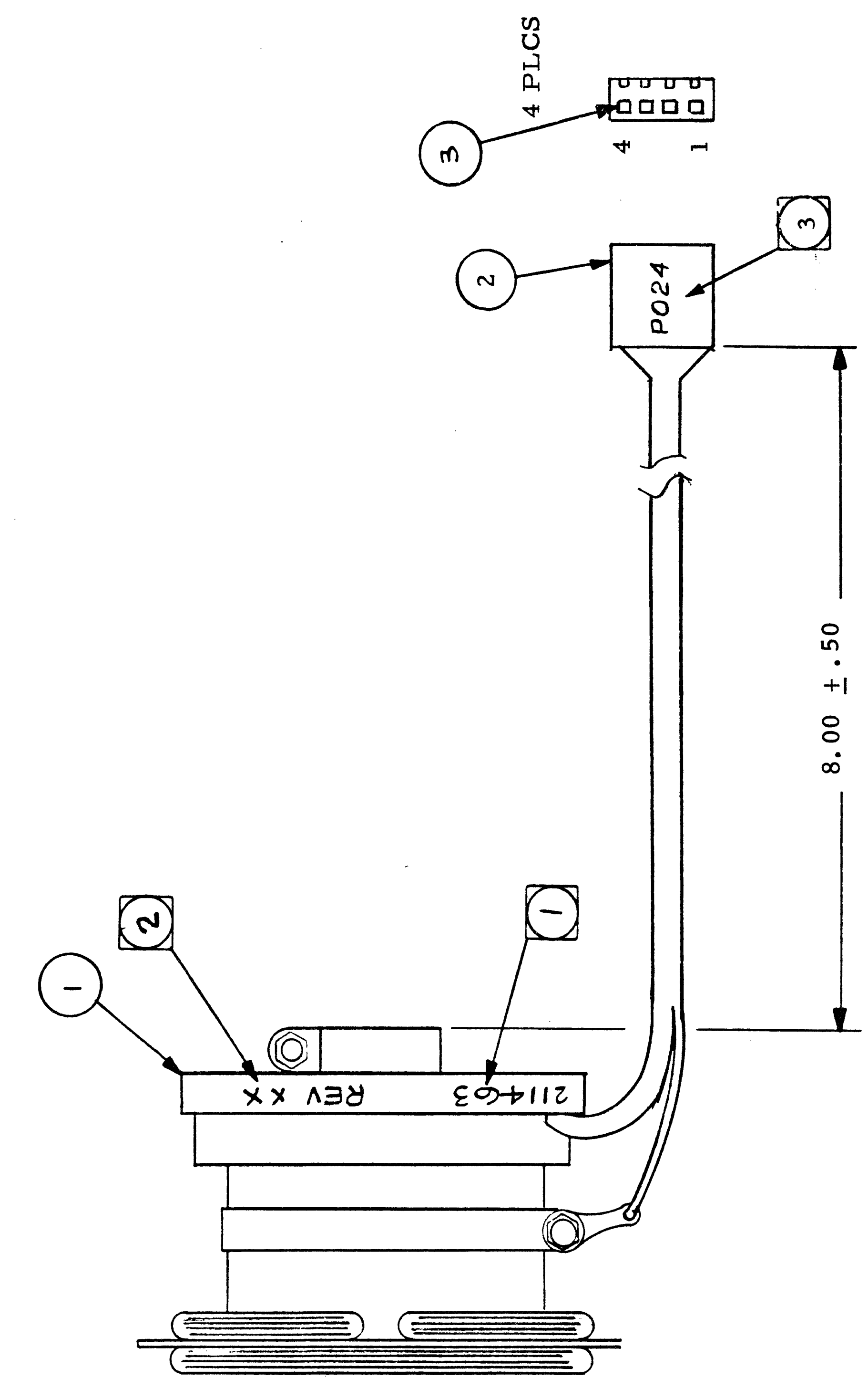
PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE: CONTROLS ASSY, CRT

CODE IDENT NO	SIZE	DWG NO	REV
D C CODE 10	B	211462	07
SCALE NONE	DO NOT SCALE DWG	SHEET 1 OF 2	

790105-03

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	242105-000	BRACKET, POT MOUNTING	
2						3	241792	KNOB, CONTROL	
3						1	211841-000	CABLE ASSY, POTS	
4									
5						2	470108-001	RESISTOR, VARIABLE 100 OHM	R1, R2
6						1	470108-002	RESISTOR, VARIABLE 10K	R3
7						AR	420001-250	TUBING, SHRINK	
8						3	370532	NUT, ELECTRICAL	
9						3	370346-300	WASHER, LOCK-EXTERNAL TOOTH	



PCC BUSINESS SYSTEMS	SIZE A	DWG NO. 211463	REV C8
			SHEET 2

790104-05

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APPLICATION

NEXT ASSY	MODEL
211440	4143/3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO E64-77		EB	11/30/77 (R)
02	CODE 06 REL W/O CHANGE PER DRO 223-78	TC	TS EB	3/15/78 (R)
03	INCORP DCO 07188	MV	EB	5/18/78 (R)
04	INCORP DCO 07354	MV	EB	6/2/78 (R)
05	INCORP DCO 08314	F.C.	EB	11/28/78 (R)
06	INCORP DCO 10608	BM/LM	EB	5/7/80 (R)
07	INCORP DCO 10787	FC/LM	EB	6/11/80 (R)
08	CODE 10 RELEASE W/O CHANGE PER DCO 10869	D.K.A.	EB	6/19/80 (R)

3 MARK REF. DESIGNATIONS USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

2 MARK "REV" AND APPROPRIATE REVISION LEVEL USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

1 MARK PART NUMBER USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	mv TCLARK/	11/18/77
CHECK	[illegible]	11-23-77
APPR	[illegible]	11-29-77
RELEASE	S. Brink	11/30/77

1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER MIL-D-1000
6 DIM ARE IN INCHES

PCC DATA SYSTEMS OPERATIONS

TITLE

YOKE ASSY

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211463	C8
SCALE	DO NOT SCALE DWG	SHEET 1	OF 4

7901-1-05

PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

MATERIAL LIST

Sheet 3 of | ML Dwg. No. 211463 | Rev. 08

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	490099	YOKE	
2						1	320396-007	CONNECTOR, HOUSING, .156 CENTERS	P024
3						4	320395-001	CONTACT, CRIMP AND INSERT	
4									

790406 02

PERTEC
BUSINESS SYSTEMS DIVISION

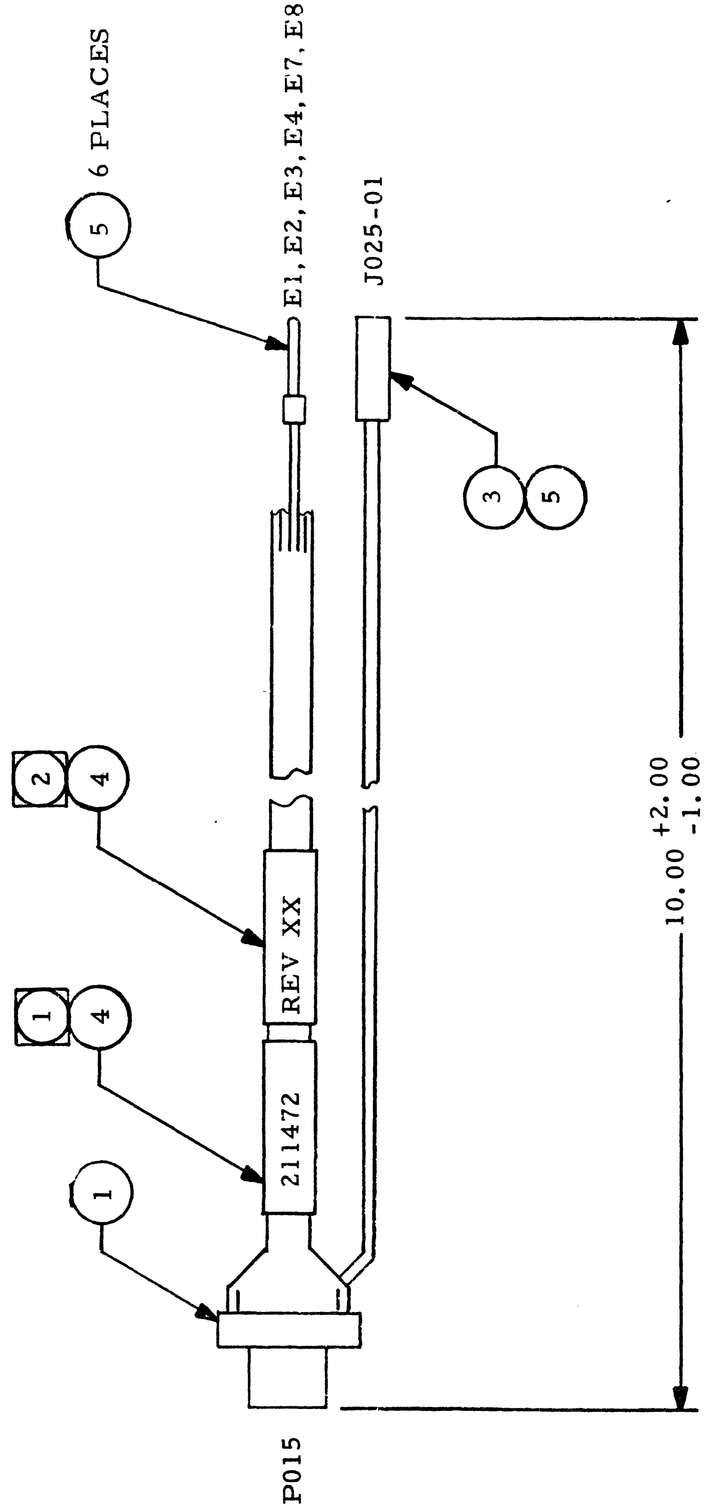
ENGINEERING WIRE LIST

WIRE/COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	L1-1	NONE	P024-01	3			BLUE	
2	L1-2	NONE	P024-02	3			RED	
3	L1-3	NONE	P024-03	3			YELLOW	
4	L1-4	NONE	P024-04	3			BLACK	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211463 | REV 08
SHEET 4

790242-02



PCC BUSINESS SYSTEMS	SIZE	DWG NO.	REV
	A	211472	05
			SHEET 2

790104-05

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APPLICATION

NEXT ASSY	MODEL
261058	4143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 150-78		EB	2/1/78 (R)
02	Code 06 Rel W/O Changes per DRO 176-78	MV	TS EB	2/15/78 (R)
03	INCORP DCO 07142	MV	EB	5/18/78 (R)
04	INCORP DCO 07921	MV	EB	7/5/78 (R)
05	INCORP DCO 08520	MV	EB	1/4/79 (R)

2. MARK "REV" AND APPROPRIATE REVISION LEVEL USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

1. MARK PART NUMBER USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	TCLARK/mv	1/17/78
CHECK	R. Hrubec	1-27-78
APPR	JJH	1/31/78
RELEASE	G. Brick	2/1/78

1. TOLERANCES
   .xx ±.03 ANGULAR
   .xxx ±.010 ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 ✓ OR BETTER
5. INTERPRET DWG PER MIL-D-1000
6. DIM ARE IN INCHES

PCC DATA SYSTEMS OPERATIONS

TITLE

CABLE ASSY, CRT

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 06	A	211472	05
SCALE —	DO NOT SCALE DWG	SHEET 1	OF 4

PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

MATERIAL LIST

Sheet	ML Dwg. No.	Rev.
3 of	211472	05

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	320321	SOCKET, CRT 8 PIN WITH SPARK GAP	P015
2									
3						1	320002-011	CONNECTOR, NYLON .062 SERIES	J025
4						2	420019-000	TIE, IDENTIFICATION	
5						7	320001-218	CONTACT, CONNECTOR	E1, E2, E3, E4, E7, E8

790406-02

PERTEC
BUSINESS SYSTEMS DIVISION

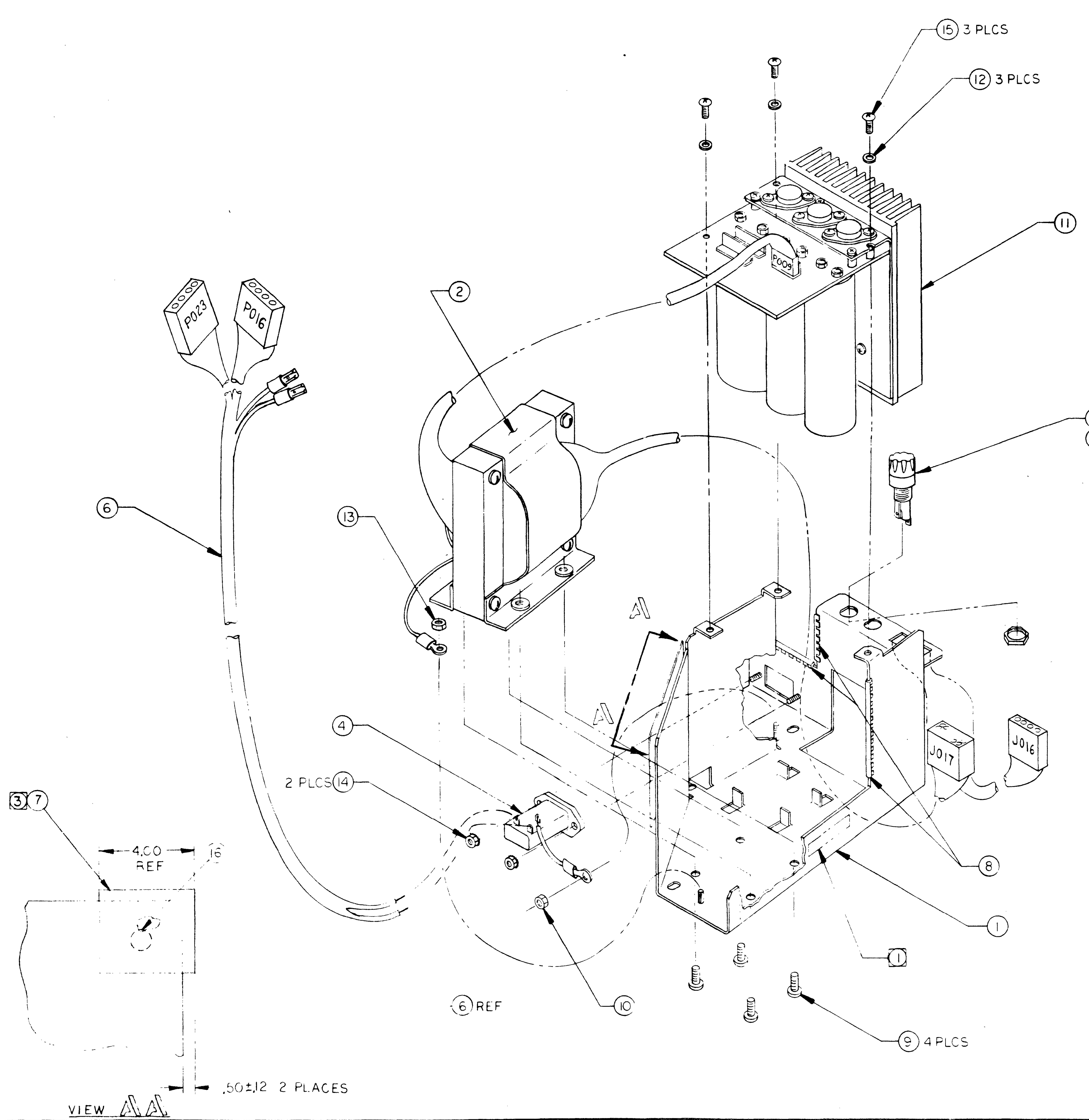
ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P015-01	1	E1	5		+12V	BROWN	
2	P015-02	1	E2	5		GRID1	GREEN	
3	P015-03	1	E3	5		GRID2	RED	
4	P015-04	1	E4	5		GRID4	BLUE	
5	P015-05	1	J025-01	5		LGND	WHITE	
6								
7	P015-07	1	E7	5		VIDEO	YELLOW	
8	P015-08	1	E8	5		LGND	BROWN	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211472 REV 05
SHEET 4

790242-02



REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 386-78		EB	5/24/78
02	INCORP DCO 08214	BN	EB	11/13/78
03	INCORP DCO 08417	BM	TLR EB	1/22/79
04	INCORP DCO 09910		EB	12/14/79
05	INCORP DCO 09709	BM	EB	12/21/79
06	INCORP DCO [illegible]		mP EB	1/31/80
07	INCORP DCO 10199	F.C.	TLR EB	2/1/80
08	INCORP DCO 10041	F.C.	TLR EB	2/1/80
09	CODE 10 RELEASE W/O CHANGE PER DCO 10846		EB	6/19/80

NOTE: UNLESS OTHERWISE SPECIFIED

1. PERMANENTLY MARK ASSY NUMBER AND APPROPRIATE REV NUMBER APPROX WHERE SHOWN PER SPECIFICATION 100034 (RUBBER STAMP).
2. CONNECTOR ROUTING NOT SHOWN:

   P016 TO J016
   P023 TO J023 (NOT SHOWN. PART OF SI ASSY NO. 211263)
3. BOND ITEM 7 TO P/S CHASSIS IN POSITION SHOWN USING AN APPLICATION OF ITEM 16 APPROX 1 IN. IN DIA IN THE CENTRAL AREA OF ITEM 7.

		3143	
203315		4143	—
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	[illegible]	5-6-78
CHECK	[illegible]	[illegible]
APPR	Stephenson	5-19-78
RELEASE	G. Emil	5/24/78

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PCC BUSINESS SYSTEMS

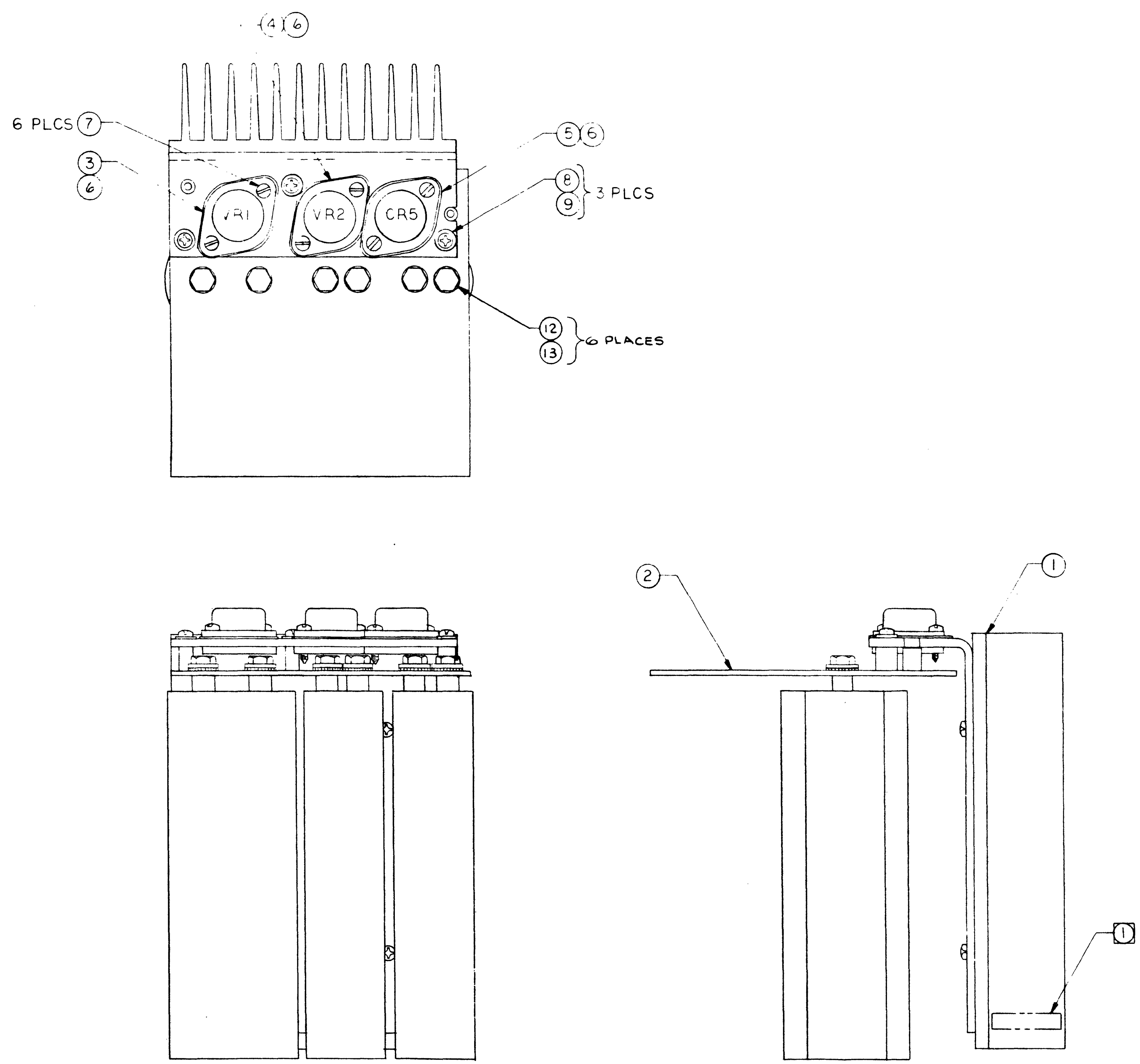
TITLE: POWER SUPPLY ASSY

CODE IDENT NO	SIZE	DWG NO	REV
DC CODE 10	D	211540	09
SCALE 1/2	DO NOT SCALE DWG	SHEET 1 OF 2	

MATERIAL LIST

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	230572	CHASSIS, POWER SUPPLY	
2						1	211767-000	TRANSFORMER ASSY	
3						1	360022	HOLDER, FUSE EXTRACTOR POST	XF1
4						1	530122-001	RECEPTACLE, AC & FILTER	
5						1	360008-020	FUSE, SLOW BLOW 2A, 3AG (GLASS)	F1
6						1	211748-000	HARNESS, PRIMARY	
7						1	242110-000	INSULATOR, HIGH VOLTAGE	
8						AR	370030-056	GROMMET, FLEX	
9						4	370036-706	SCREW, PAN HD RECESSED LOCKING	
10						1	370027-600	NUT, LOCKING	
11						1	211541	POWER SUPPLY REGULATOR ASSY	
12						3	370002-600	WASHER, FLAT	
13						1	370027-700	NUT, LOCKING	
14						2	370027-400	NUT, LOCKING	
15						3	370036-612	SCREW, PAN HD PHIL, REC LOCKING	
16						AR	700044-102	ADHESIVE, RTV	

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO [illegible]		[illegible]	[illegible]
02	INCORP DCO 08016	[illegible]	[illegible]	[illegible]
03	INCORP DCO 08418	[illegible]	[illegible]	[illegible]
04	INCORP DCO [illegible]	[illegible]	[illegible]	[illegible]
05	CODE 10 RELEASE W/O CHANGE PER DCO 10346	[illegible]	[illegible]	[illegible]



NOTE : UNLESS OTHERWISE SPECIFIED

1. PERMANENTLY MARK ASSY NUMBER AND APPROPRIATE REV NUMBER APPROX WHERE SHOWN PER SPECIFICATION 100034 (RUBBER STAMP).

211540	1	4143	–
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	[illegible] Wallace	5/9/78
CHECK	[illegible]	[illegible]
APPR	[illegible]	5-11-78
RELEASE	G. [illegible]	5/24/78

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PCC BUSINESS SYSTEMS

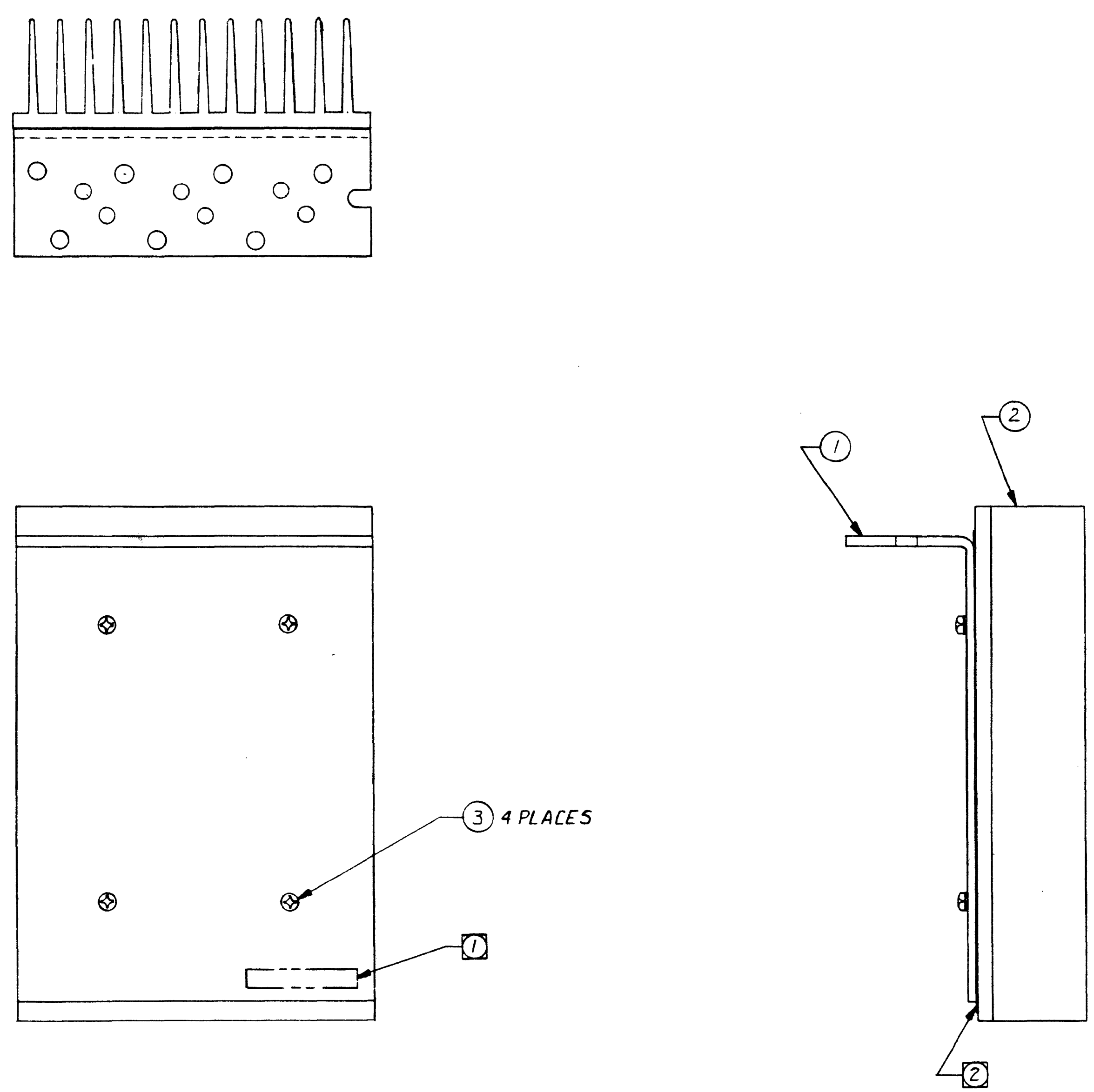
TITLE: POWER SUPPLY REGULATOR ASSY

CODE IDENT NO.	SIZE	DWG NO	REV
DC CODE 10	D	211541	05
SCALE 1/1	DO NOT SCALE DWG	SHEET 1 OF 2	

MATERIAL LIST

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	211542	HEATSINK ASSY	
2						1	261142	PCBA, POWER SUPPLY REGULATOR	
3						1	380865	REGULATOR (78H05KC, FAIRCHILD)	VR1
4						1	380866	REGULATOR (LM7812)	VR2
5						1	330139	DIODE, BRIDGE (27050, LAMBDA)	CR5
6						3	350154 -001	INSULATOR	CR5, VR1, VR2
7						6	370185-608	SCREW, PAN HEAD SHEET METAL	
8						3	370036-609	SCREW, PAN HEAD REC.	
9						3	370250-632	WASHER, FLAT	
10						1	300008-683	CAP, ELECTROLYTIC, 68,000UF, 15V	C2
11						2	300192-001	CAP, ELECTROLYTIC, 12,000UF, 25V	C8, C9
12						6	370651-003	SCREW, HEX HEAD, LOCKING	
13						6	370250-732	WASHER, FLAT	

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 336-78		EB	5/24/78
02	CODE 10 RELEASE W/O CHANGE PER DCO 10846	D.K.A.	EB	6/19



NOTE : UNLESS OTHERWISE SPECIFIED

1. PERMANENTLY MARK ASSEMBLY NO. AND APPROPRIATE REV LEVEL APPROX WHERE SHOWN PER SPECIFICATION 100034 (RUBBER STAMP).
2. APPLY THERMAL COMPOUND (ITEM 4) BETWEEN PCB MTG HEATSINK (ITEM 1) AND POWER SUPPLY HEATSINK (ITEM 2).

211541	1	4143	-
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	Izzy Wallace	5/6/78
CHECK	[illegible]	5-17-78
APPR	[illegible]	5-19-78
RELEASE	G. Bush	5/24/78

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PCC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE: HEATSINK ASSY

CODE IDENT. NO	SIZE	DWG NO	REV
DC CODE 10	D	211542	02
SCALE	DO NOT SCALE DWG	SHEET 1 OF 2	

MATERIAL LIST

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	242000	HEATSINK, PCB MTG	
2						1	241929	HEATSINK, POWER SUPPLY	
3						4	370036-606	SCREW, PAN HEAD REC.	
4						AR	700043	COMPOUND THERMAL	

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APPLICATION	
NEXT ASSY	MODEL
MULTI	4141/4143
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO [illegible]		SB	7/7/78
02	INCORP DCO 07677	MV	SB	8/24/78
03	INCORP DCO 08210	MS	SB	[illegible]
04	INCORP DCO 08204	MS	SB	[illegible]
05	INCORP DCO 08428	BM	SB	1/12/79
06	SEE VARIATION DCO 08636	F.C.	SB	3/12/79
07	INCORP DCO 08372	F.C.	SB	3/12/79
08	INCORP DCO 08874	MS	SB	4/6/79
09	INCORP DCO 09144	KW	SB	6/29/79
10	INCORP DCO 09161	KW	SB	[illegible]
11	INCORP DCO 10253	JN	SB	[illegible]
12	INCORP DCO 10602	BM/LM	SB	4/9/80
13	INCORP DCO 10518	FC/LM	SB	4/24/80
14	CODE 10 RELEASE W/O CHANGES PER DCO 10848	JN/LM	EB	6/18/81

2. FOR CONSTRUCTION A (PREFERRED) USE P/N 430207-005; FOR CONSTRUCTION B USE P/N 261211-000.

1. ANY KEYBOARD CAN BE MADE FROM ANY OTHER KEYBOARD OF THE SAME SWITCH CONFIGURATION BY CHANGING KEYTOP SETS.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	NORTON/MV	6/13/78
CHECK	[illegible]	7-5-78
APPR	[illegible]	7-6-78
RELEASE	G. Bail	7/7/78

1. TOLERANCES .xx ±.03 .xxx ±.010 ANGULAR ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 OR BETTER
5. INTERPRET DWG PER MIL-D-1000
6. DIM ARE IN INCHES

PCC DATA SYSTEMS OPERATIONS

TITLE

KEYBOARD ASSY

CODE IDENT. NO.	SIZE	DWG NO.	REV.
DC CODE 10	A	211560	14
SCALE NONE	DO NOT SCALE DWG	SHEET 1 OF 34	

790101-00

DASH NUMBER	COUNTRY	SWITCH CONFIGURATION 1: STANDARD KEYPUNCH "A"	KEYPUNCH/ ADD MACH	TYPEWRITER/ NUM PAD "A"	STANDARD KEYPUNCH "B" (KATA KANA)	TYPEWRITER NUM PAD "B" (1800)		
-000	USA	X						
-001	USA		X					
-002	USA			X				
-003	USA (1800)	X						
-004	USA (1800)					X		
-005								
-006	DENMARK/NORWAY	X						
-007	DENMARK/NORWAY		X					
-008	DENMARK/NORWAY			X				
-009	SWEDISH/FINNISH	X						
-010	SWEDISH/FINNISH		X					
-011	SWEDISH/FINNISH			X				
-012	GERMANY	X						
-013	GERMANY		X					
-014	GERMANY			X				
-015	TURKEY	X						
-016								
-017								
-018	GREEK	X						
-019								
-020								
-021	SPANISH	X						
-022								
-023	SPANISH			X				
-024	JAPAN				X			
-025								
-026								
-027	FRANCE (AZERTY)	X						
-028								
-029								
-030	USA (CMC)	X						
-031								
-032	USA (CMC)					X		
-033	UNITED KINGDOM(KODE)	X						
-034	UNITED KINGDOM(KODE)		X					
-035	UNITED KINGDOM(KODE)			X				

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SIZE A | DWG NO. 211560 | REV 14 | SHEET 2

790104-06

DASH NUMBER	COUNTRY	SWITCH CONFIGURATION 1: STANDARD KEYPUNCH "A"	KEYPUNCH/ ADD MACH	TYPEWRITER/ NUM PAD "A"	STANDARD KEYPUNCH "B" (KATA KANA)	TYPEWRITER NUM PAD "B" (1800)	TYPEWRITER NUM PAD "C" (ISO)	
-036	USA (UNIVAC)	X						
-037	USA (UNIVAC)		X					
-038	USA (UNIVAC)			X				
-039	USA (UNIVAC ASCII)	X						
-040	USA (UNIVAC ASCII)		X					
-041	USA (UNIVAC ASCII)			X				
-042								
-043								
-044	INTERNATIONAL/SWEDISH						X	

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SIZE A | DWG NO. 211560 | REV 14 | SHEET 2A

790104-06

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 3 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-000	PRO SPEC, XL KEYBOARD	
2						1	420196-000	KEYTOP SETS, KEYPUNCH	

790406-03

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 4 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-001	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-001	PROC SPEC, KEYBOARD	
2						1	420199-000	KEYTOP SETS, KEYPUNCH/ADD MACH	

790406-02

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 5 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-002	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-002	PROC SPEC, KEYBOARD	
2						1	420200-000	KEYTOP SETS, TYPEWRITER/NUM PAD	

790406-02

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 6 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-003	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-000	PROC SPEC, KEYBOARD	
2						1	420196-003	KEYTOP SETS, KEYPUNCH	

790406-02

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 7 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-004	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-004	PROC SPEC, KEYBOARD	
2						1	420200-001	KEYTOP SETS, 1800 TYPEWRITER/ NUM PAD	

790406-02

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 8 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-006	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-000	PROC SPEC, KEYBOARD	
2						1	420196-002	KEYTOP SETS, KEYPUNCH	

790406-02

PCC BUSINESS SYSTEMS — MATERIAL LIST

Sheet 9 of | ML Dwg. No. 211560 | Rev. [illegible]

Item No.	Quantity Required					-007	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-001	PROC SPEC, KEYBOARD	
2						1	420199-001	KEYTOP SETS, KEYPUNCH/ADD MACH	

790406 02

PCC BUSINESS SYSTEMS — MATERIAL LIST

Sheet 10 of | ML Dwg. No. 211560 | Rev. [illegible]

Item No.	Quantity Required					-008	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-002	PROC SPEC, KEYBOARD	
2						1	420200-002	KEYTOP SETS, TYPEWRITER/NUM PAD	

790406 02

PCC BUSINESS SYSTEMS — MATERIAL LIST

Sheet 11 of | ML Dwg. No. 211560 | Rev. [illegible]

Item No.	Quantity Required					-009	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-000	PROC SPEC, KEYBOARD	
2						1	420196-001	KEYTOP SETS, KEYPUNCH	

790406 02

PCC BUSINESS SYSTEMS — MATERIAL LIST

Sheet 12 of | ML Dwg. No. 211560 | Rev. [illegible]

Item No.	Quantity Required					-010	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-001	PROC SPEC, KEYBOARD	
2						1	420199-002	KEYTOP SETS, KEYPUNCH/ADD MACH	

790406 02

PCC BUSINESS SYSTEMS — MATERIAL LIST

Sheet 13 of | ML Dwg. No. 211560 | Rev. [illegible]

Item No.	Quantity Required					-011	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-002	PROC SPEC, KEYBOARD	
2						1	420200-003	KEYTOP SETS, TYPEWRITER/NUM PAD	

790406 02

PCC BUSINESS SYSTEMS — MATERIAL LIST

Sheet 14 of | ML Dwg. No. 211560 | Rev. [illegible]

Item No.	Quantity Required					-012	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-000	PROC SPEC, KEYBOARD	
2						1	420196-095	KEYTOP SETS, KEYPUNCH	

790406 02

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 15 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-013			
1						1	430207-001	PROC SPEC, KEYBOARD	
2						1	420199-003	KEYTOP SETS, KEYPUNCH/ADDING MACH	

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 16 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-014			
1						1	430207-002	PROC SPEC, KEYBOARD	
2						1	420200-004	KEYTOP SETS, TYPEWRITER/NUM PAD	

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 17 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-015			
1						1	430207-000	PROC SPEC, KEYBOARD	
2						1	420196-004	KEYTOP SETS, KEYPUNCH	

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 18 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-018			
1						1	430207-000	PROC SPEC, KEYBOARD	
2						1	420196-006	KEYTOP SETS, KEYPUNCH	

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 19 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-021			
1						1	430207-003	PROC SPEC, KEYBOARD	
2						1	420196-007	KEYTOP SETS, KEYPUNCH	

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 20 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-023			
1						1	430207-002	PROC SPEC, KEYBOARD	
2						1	420200-005	KEYTOP SETS, TYPEWRITER/NUM PAD	

PCC BUSINESS SYSTEMS

MATERIAL LIST — Sheet 21 of — ML Dwg. No. 211560 — Rev. 14

Item No.	Quantity Required -024	Part No.	Nomenclature or Description	Reference Designation
1	1	430207-003	PROC SPEC, KEYBOARD	
2	1	420203-000	KEYTOP SETS, KATA KANA	

790406-02

PCC PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 22 of — ML Dwg. No. 211560 — Rev. 14

Item No.	Quantity Required -027	Part No.	Nomenclature or Description	Reference Designation
1	1	430207-000	PROC SPEC, KEYBOARD	
2	1	420196-008	KEYTOP SETS, KEYPUNCH	

790406-03

PCC BUSINESS SYSTEMS

MATERIAL LIST — Sheet 23 — ML Dwg. No. 211560 — Rev. 14

Item No.	Quantity Required -030	Part No.	Nomenclature or Description	Reference Designation
1	1	430207-000	PROC SPEC, KEYBOARD	
2	1	420196-009	KEYTOP SETS, KEYPUNCH	

790406-02

PCC PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 24 — ML Dwg. No. 211560 — Rev. 14

Item No.	Quantity Required -032	Part No.	Nomenclature or Description	Reference Designation
1	1	430207-004	PROC SPEC, KEYBOARD	
2	1	420200-006	KEYTOP SET TW/NUM PAD	

790406-03

PCC PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 25 of — ML Dwg. No. 211560 — Rev. 14

Item No.	Quantity Required -033	Part No.	Nomenclature or Description	Reference Designation
1	1	430207-000	PROC SPEC, KEYBOARD	
2	1	420196-010	KEYTOP SETS, KEYPUNCH	

790406-03

PCC PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26 of — ML Dwg. No. 211560 — Rev. 14

Item No.	Quantity Required -034	Part No.	Nomenclature or Description	Reference Designation
1	1	430207-001	PROC SPEC, KEYBOARD	
2	1	420199-004	KEYTOP SETS, KEYPUNCH/ADD MACH	

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 27 of | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-035	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-002	PROC SPEC, KEYBOARD	
2						1	420200-007	KEYTOP SETS, TYPEWRITER/NUM PAD	

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 28 | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-036	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-000	PROC SPEC, KEYBOARD	
2						1	420196-011	KEYTOP SETS, KEYPUNCH	

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 29 | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-037	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-001	PROC SPEC, KEYBOARD	
2						1	420199-005	KEYTOP SETS, KYPCH/ADD MACH	

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 30 | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-038	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-002	PROC SPEC, KEYBOARD	
2						1	420200-008	KEYTOP SETS, TYPEWRITER/NUM PAD	

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 31 | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-039	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-000	PROC SPEC, KEYBOARD	
2						1	420196-012	KEYTOP SETS, KEYPUNCH (UNIVAC ASCII)	

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 32 | ML Dwg. No. 211560 | Rev. 19

Item No.	Quantity Required					-040	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-001	PROC SPEC, KEY BOARD	
2						1	420199-006	KEYTOP SETS, KEYPUNCH/ADD MACH (UNIVAC ASCII)	

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 33 | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-041	Part No.	Nomenclature or Description	Reference Designation
1						1	430207-002	PROC SPEC, KEYBOARD	
2						1	420200-009	KEYTOP SETS, TYPEWRITER/NUM PAD (UNIVAC ASCII)	

790406-03

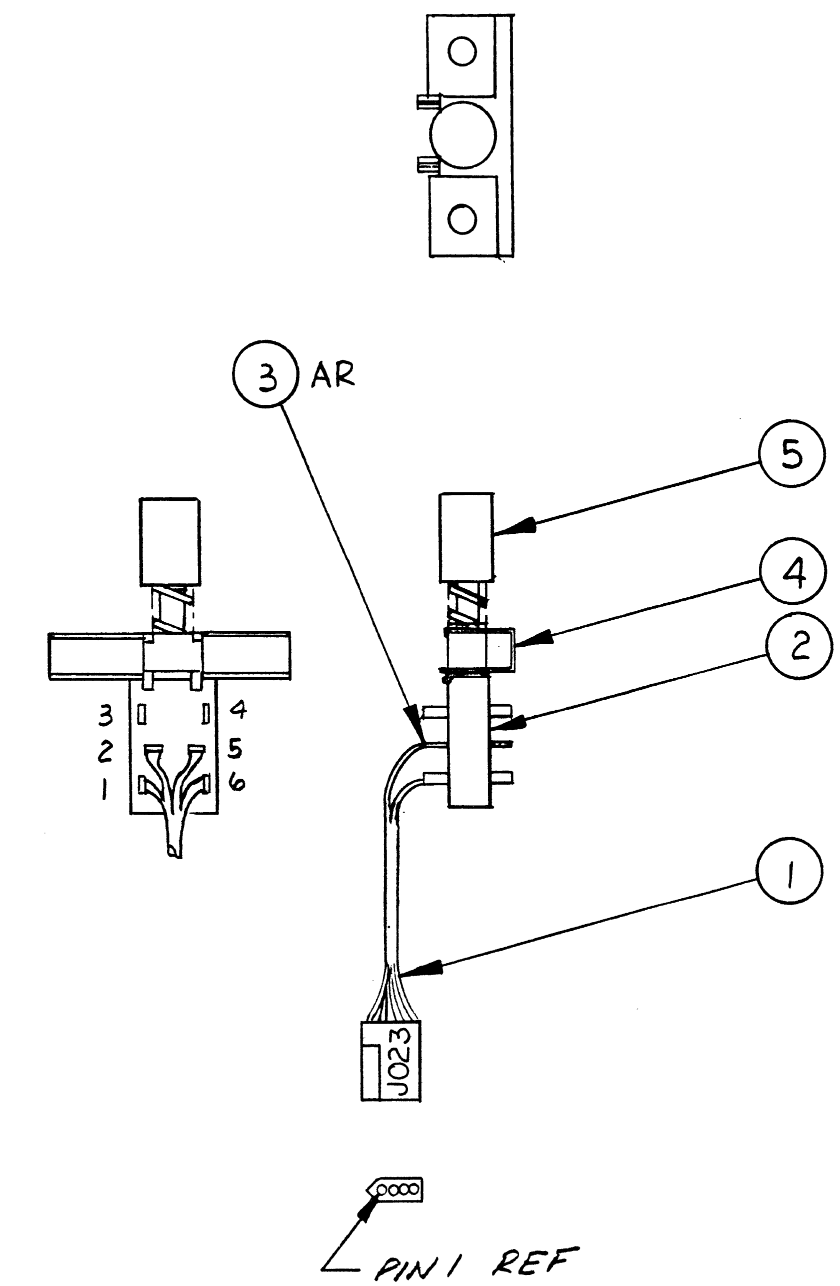
PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 34 | ML Dwg. No. 211560 | Rev. 14

Item No.	Quantity Required					-044	Part No.	Nomenclature or Description	Reference Designation
1						1	2	PROC SPEC, KEYBOARD	
2						1	420200-010	KEYTOP SET, TYPEWRITER/NUM PAD	

790406-02



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				SHEET 2

790104-06

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APPLICATION

NEXT ASSY	MODEL
211440	4143
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 168-79		EB	6/27/79 (R)
02	INCORP DCO 09910	DD/KW	EB	12/14/79 (R)
03	CODE 10 RELEASE W/O CHANGES PER DCO 10869	JN/LM	JM EB	6/19/80 (R)

1. MARK PART NUMBER PER SPECIFICATION 100034(TAG OR BAG).

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	Murray/ms	5/11/79
CHECK	TL RODGERS	5-21-79
APPR	[illegible]	6-19-79
RELEASE	[illegible]	6/27/79

UNLESS OTHERWISE SPECIFIED
1. TOLERANCES .xx ±.03 ANGULAR .xxx ±.010 ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 OR BETTER
5. INTERPRET DWG PER ANS Y14
6. DIM ARE IN INCHES

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE

SWITCH ASSY (UNIVAC)

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211667	03
SCALE —	DO NOT SCALE DWG	SHEET 1	OF 3

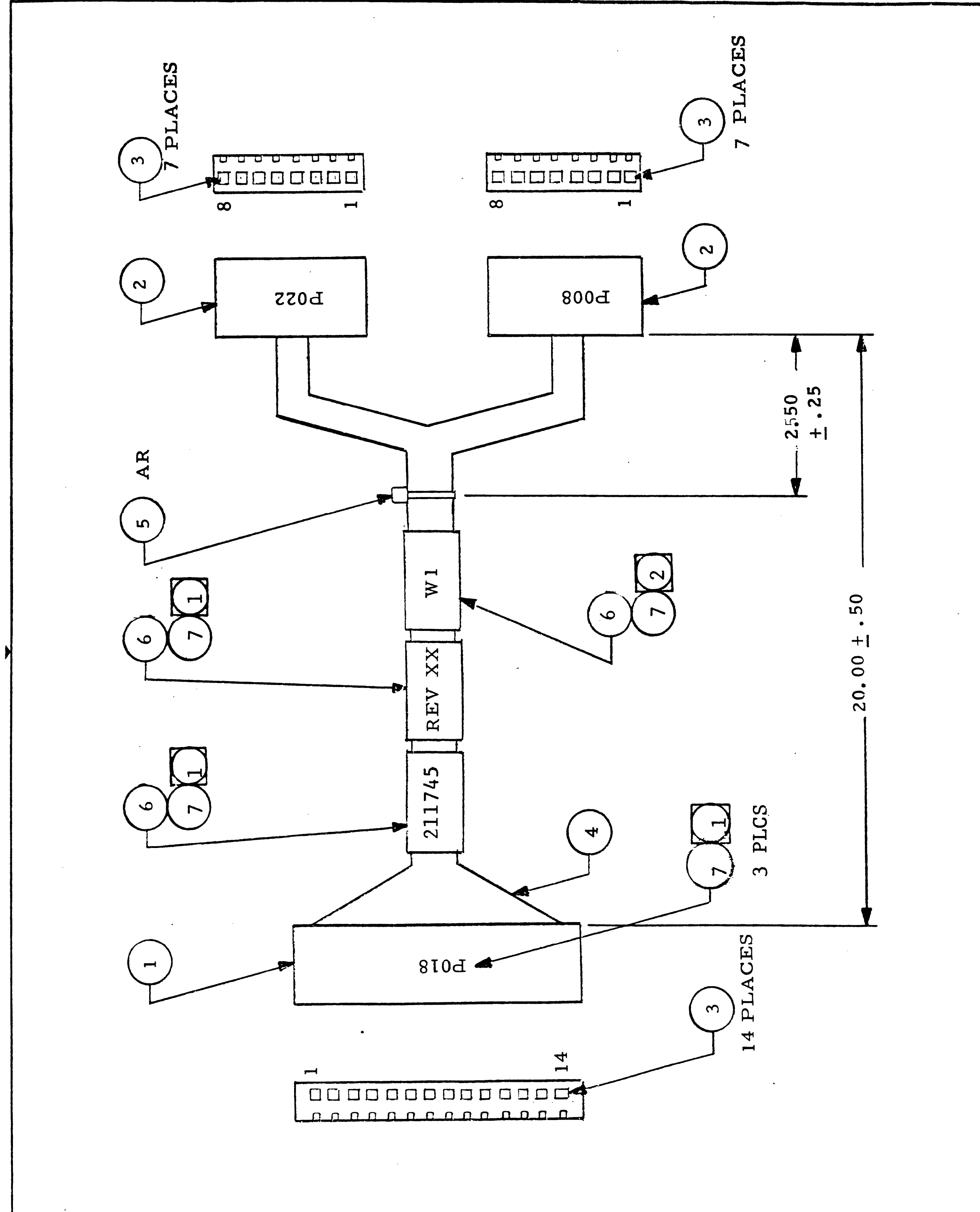
790101-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 3 of | ML Dwg. No. 211667 | Rev. 0

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	211747-000	CABLE, SWITCH ASSY	
2						1	480124	SWITCH, POWER	
3						AR	420001-063	TUBING, SHRINK	
4						1	241809	BRKT, SWITCH MTG.	
5						1	420202-001	CAP, SWITCH	



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790104-06

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APPLICATION

NEXT ASSY	MODEL
203315	4143
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 565-79		EB	12/12/79 Ⓡ
02	INCORP DCO 10830	FC/LM	EB	6/11/80 Ⓡ
03	CODE 10 RELEASE W/O CHANGE PER DCO 10869	D.K.A.	EB	6/19/80 Ⓡ

4. PURCHASED CABLES MUST BE CSA CERITFIED FOR USE IN ELECTRONIC DATA PROCESSING EQUIPMENT.

3. CABLE TO BE PURCHASED FROM A U.L. LISTED MANUFACTURER OR MANUFACTURED UNDER PCC CONTROL.

$\boxed{2}$ MARK "W1" USING .09 HIGH CHARACTER IN A CONTRASTING COLOR PER SPECIFICATION 100034.

$\boxed{1}$ PERMANENTLY MARK ASSEMBLY NUMBER, "REV" AND APPROPRIATE REVISION LEVEL, AND REF DESIGNATION USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	F. CLARK/kw	12-4-79
CHECK	[illegible]	12-6-79
APPR		
RELEASE	[illegible]	[illegible]

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE

HARNESS, SECONDARY

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211745	03
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 4	

790101-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet	ML Dwg. No.	Rev.
3 of	211745	03

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	320396-019	CONNECTOR, HOUSING, .156 CENTERS	P018
2						2	320396-015	CONNECTOR, HOUSING, .156 CENTERS	P022,P008
3						28	320395-001	CONTACT, CRIMP AND INSERT	
4						AR	510140-013	WIRE, STRANDED, INSULATED, (105 ° C, 300V)	
5						AR	370016-100	TIE WRAP	
6						3	420019-000	TIE, IDENTIFICATION	
7						6	740005-000	LABEL	

790406-03

PERTEC COMPUTER CORPORATION

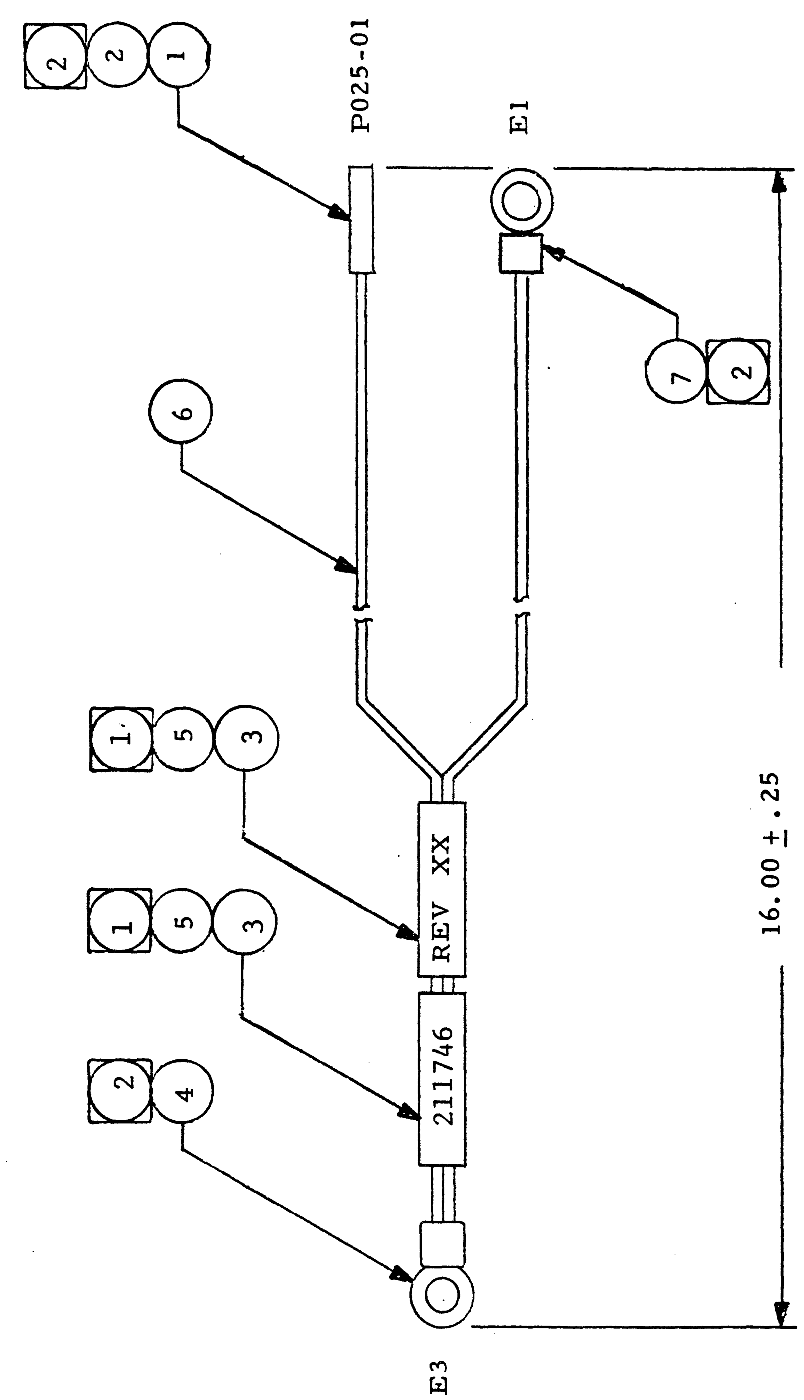
ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P018-001	3	P008-005	3	4	OHRT	WHITE	
2	-002		P008-002			LGND		
3	-003		P008-003			LGND		
4	-004		P022-002			LGND		
5	-005		P022-003			LGND		
6	-006		P008-001			-17U		
7	-007		P008-006			+ 12V		
8	-008		P022-006			+ 12V		
9	-009		P022-001			- 17U		
10	-010		P022-008			+ 8U		
11	-011		P008-008			+ 8U		
12	-012		P022-004			1RST		
13	-013		P022-007			+ 5V		
14	P018-014	3	P008-007	3	4	+ 5V	WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO	REV
211745	03
SHEET 4	

790242-02



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790104-06

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APPLICATION

NEXT ASSY	MODEL
211440	4143
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 565-79		EB	12/12/79
02	CODE 10 RELEASE W/O CHANGES PER DCO 10869	JN/LM	EB	6/19/80

4. PURCHASED CABLES MUST BE CSA CERTIFIED FOR USE IN ELECTRONIC DATA PROCESSING EQUIPMENT.

3. CABLE TO BE PURCHASED FROM A U.L. LISTED MANUFACTURER OR MANUFACTURED UNDER PCC CONTROL.

2 TAG WIRE ENDS WITH DESIGNATIONS SHOWN.

1 PERMANENTLY MARK ASSEMBLY NUMBER, "REV" AND APPROPRIATE REVISION LEVEL, AND REF DESIGNATIONS USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	F. CLARK/kw	12-4-79
CHECK		12-6-79
APPR		
RELEASE		12/12/79

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE

GND STRAP, CRT

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211746	
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 3	

790101-07

PERTEC COMPUTER CORPORATION

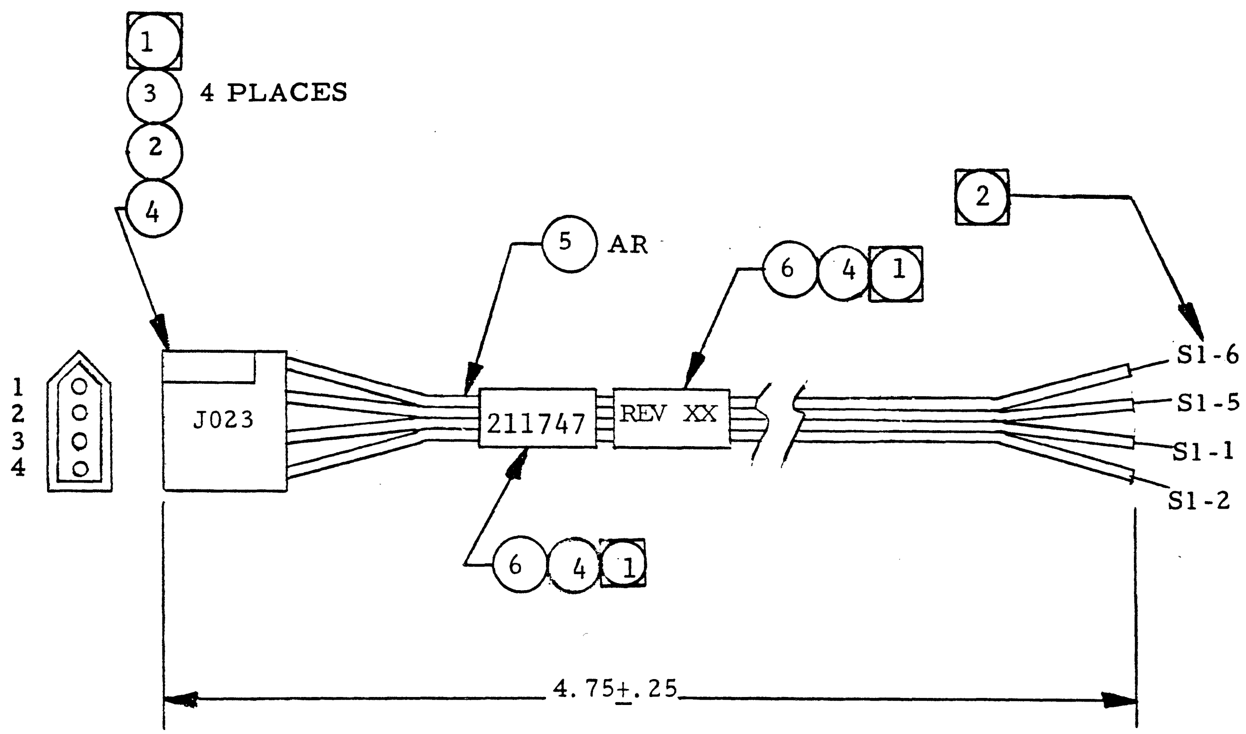
MATERIAL LIST

Sheet 3 of

ML Dwg. No. 211746

Rev. C

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	320002-012	CONNECTOR, NYLON .062 SERIES	P025
2						1	320001-118	CONTACT, CONNECTOR	
3						2	740005-000	LABEL	
4						1	320005-614	TERMINAL, RING TONGUE	E3
5						2	420019-001	TIE, IDENTIFICATION	
6						AR	510140-013	WIRE, STRANDED, INSULATED (105 ° C, 300V)	
7						1	320005-618	TERMINAL, RING TONGUE	E1



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790104-06

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APPLICATION

NEXT ASSY	MODEL
211509	4143
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO		EB	12/12/79 Ⓡ
02	INCORP DCO 10551	BM/LM	EB	4/7/80 Ⓡ
03	CODE 10 RELEASE W/O CHANGES PER DCO 10869	JN/LM	EB	6/19/80 Ⓡ

4. PURCHASED CABLES MUST BE CSA CERTIFIED FOR USE IN ELECTRONIC DATA PROCESSING EQUIPMENT.

3. CABLE TO BE PURCHASED FROM A U.L. LISTED MANUFACTURER OR MANUFACTURED UNDER PCC CONTROL.

$\boxed{2}$ IDENTIFY ALL LOOSE WIRE ENDS WITH APPROPRIATE TERMINATION DESIGNATION.

$\boxed{1}$ PERMANENTLY MARK ASSEMBLY NUMBER, "REV" AND APPROPRIATE REVISION LEVEL, AND REF DESIGNATION USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	F. CLARK/kw	12-4-79
CHECK		12-5-79
APPR		
RELEASE	G.B.L.	12/12/79

UNLESS OTHERWISE SPECIFIED
1. TOLERANCES .xx ±.03 .xxx ±.010 ANGULAR ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 OR BETTER
5. INTERPRET DWG PER ANS Y14
6. DIM ARE IN INCHES

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE: CABLE, SWITCH ASSY

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211747	
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 4	

790101-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 3 of	ML Dwg. No. 211747	Rev. 03

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1									
2						1	320012-042	CONN NYLON .093 SERIES	J023
3						4	320095-218	CONTACT, CONNECTOR (M)	
4						3	740005-000	LABEL	
5						AR	510150-004	WIRE, STRANDED, TWISTED PAIR (105 ° C 300V)	
6						2	420019-000	TIE, IDENTIFICATION	
7									

790406-03

PERTEC COMPUTER CORPORATION

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	J023-1	3	S1-6	S6T	5		BLACK	TWISTED PAIR
2	J023-3	3	S1-1	S6T			WHITE	
3	J023-2	3	S1-5	S6T	5		BLACK	TWISTED PAIR
4	J023-4	3	S1-2	S6T			WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211747	REV 03
SHEET 4	

790242-02

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet	ML Dwg. No.	Rev.
Sheet 2 of	211748	03

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
1	AR	370016-XXX.	TIE WRAP	
2	3	420019-000	TIE, IDENTIFICATION	
3	AR	510140-018	WIRE, STRANDED, INSULATED	
4	2	320291-000	TERMINAL, PUSH-ON FULLY INSULATED	
5	2	320012-041	CONNECTOR, NYLON .093 SERIES	P016,P023
6	1	320005-618	TERMINAL, RING TONGUE	
7	AR	510150-001	WIRE, STRANDED,TWISTED PAIR	
8				
9	4	320095-118	CONTACT, CONNECTOR (F)	
10	2	320095-218	CONTACT, CONNECTOR (M)	
11	AR	510140-013	WIRE, STRANDED, INSULATED	

790406-03

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APPLICATION	
NEXT ASSY	MODEL
211540	4143
	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 5-25-79		EB	12/12/79
02	INCORP DCO 10027	TA/KW	EB	2/8/80
03	CODE 10 REL W/O CHANGES PER DCO 10856	FC/LM	EB	6/19/80

9. PURCHASED CABLES MUST BE CSA CERTIFIED FOR USE IN ELECTRONIC DATA PROCESSING EQUIPMENT.

8. CABLE TO BE PURCHASED FROM A U.L. LISTED MANUFACTURER OR MANUFACTURED UNDER PCC CONTROL.

7. MARK "W3" ON ITEM 2 (TIE, IDENTIFICATION) USING .09 HIGH CHARACTERS OF A CONTRASTING COLOR PER SPECIFICATION 100034. LOCATION SHOWN ON HARNESS BOARD.

6. ASSEMBLE AND FABRICATE PER WORKMANSHIP SPEC 170475.

5. MARK "REV" AND APPROPRIATE REVISION LEVEL ON ITEM 2 (TIE, IDENTIFICATION) USING .09 HIGH CHARACTERS OF A CONTRASTING COLOR PER SPECIFICATION 100034. LOCATION SHOWN ON HARNESS BOARD.

4. TAG WIRE ENDS AND LUGS WITH DESIGNATIONS SHOWN ON HARNESS BOARD.

3. FOR WIRE LIST SEE SHEET 3.

2. MANUFACTURE HARNESS USING FULL SIZE MYLAR TOOL, 940048 REVISION -01, HARNESS BOARD.

1. MARK HARNESS ASSY NUMBER ON ITEM 2 (TIE, IDENTIFICATION) USING .09 HIGH CHARACTERS OF A CONTRASTING COLOR PER SPECIFICATION 100034. LOCATION SHOWN ON HARNESS BOARD.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	F. CLARK/kw	12-4-79
CHECK		12-6-79
APPR		
RELEASE	G. Smith	12/12/79

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE

HARNESS, PRIMARY

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211748	03
SCALE —	DO NOT SCALE DWG	SHEET 1 OF 3	

790101-07

PERTEC COMPUTER CORPORATION

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P016-04	10	P023-1	9	7		BLACK	TWISTED PAIR
2	P016-03	10	P023-3	9			WHITE	
3	P023-2	9	J014-B	S6T	7		BLACK	TWISTED PAIR
4	P023-4	9	F1-02	4			WHITE	
5	J014-C	S6T	F1-01	4	11		WHITE	
6	J014-A	S6T	E1	6	3		GRN/YEL	

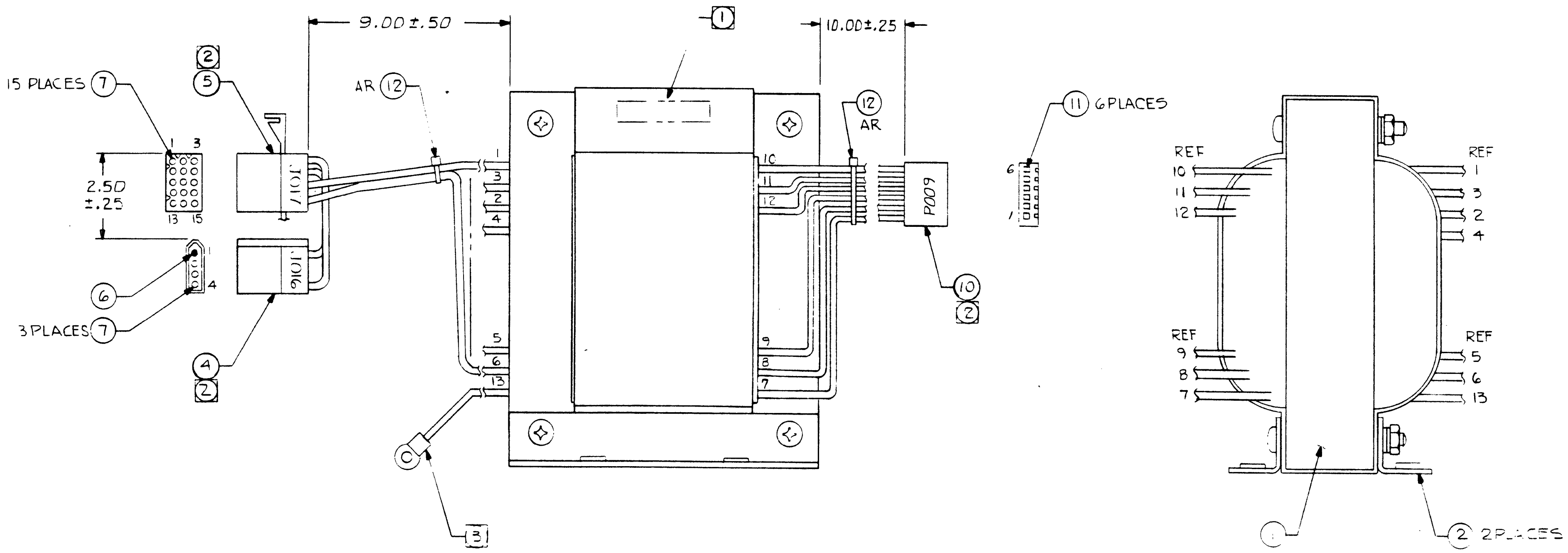
T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211748

REV [illegible]

SHEET 3

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 066-80		[illegible]	1/30/80
02	INCORP DCO 10606	BI	[illegible]	5/8/80
03	[illegible]		[illegible]	5/23/80
04	CODE 10 RELEASE W/O CHANGE PER DCO 10846		[illegible]	6/11/80



NOTE: UNLESS OTHERWISE SPECIFIED

1. PERMANENTLY MARK ASSEMBLY NUMBER, "REV" AND APPROPRIATE REV LEVEL USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC .00034.
2. PERMANENTLY MARK CONNECTOR REF DESIGNATIONS USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR.
3. IDENTIFY ALL LOOSE WIRE ENDS WITH APPROPRIATE TERMINATION DESIGNATIONS.

NEXT ASSY	QTY	MODEL	QTY
21540	1	3145	–
2 540	1	4 42	–

APPLICATION

DRAWN	F. CLARK	1/10/80
CHECK	T. RODENMORE	1-7-80
APPR		
RELEASE	[illegible]	1/30/80

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PBC BUSINESS SYSTEMS

TITLE: TRANSFORMER ASSY

CODE IDENT NO	SIZE	DWG NO	REV
DC CODE 0	D	211767	C4

SCALE NONE | DO NOT SCALE DWG | SHEET 1 OF 3

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 2 of 3 | ML Dwg. No. 211767 | Rev. 04

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	490093-000	TRANSFORMER, POWER, 15" DISPLAY STATION	
2						2	241843	BRACKET, TRANSFORMER MTG	
3						1	320005-718	TERMINAL, RING TONGUE	
4						1	320012-042	CONN, NYLON .093 SERIES	J016
5						1	320012-156	CONN, NYLON .093 SERIES	J017
6						1	320095-218	CONTACT, CONNECTOR (M)	
7						18	320095-118	CONTACT, CONNECTOR (F)	
8						AR	510150-001	WIRE, TWISTED STRANDED 105 °C 300V	
9						AR	510140-013	WIRE, STRANDED 105 °C 300V	
10						1	320396-001	CONNECTOR,HOUSING .156 CENTERS	P009
11						6	320395-001	CONTACT, CRIMP AND INSERT	
12						AR	370016-XXX	TIE, WRAP	

790406-03

PERTEC COMPUTER CORPORATION

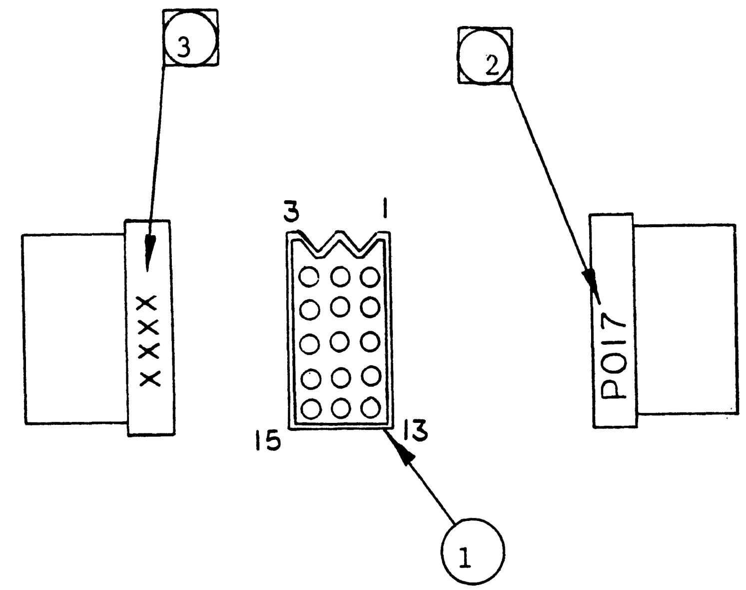
ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P009-01	11	T1-07	NONE	1		GREEN	
2	02		T1-10				ORANGE	
3	03		T1-12				ORANGE	
4	04		T1-09				GREEN	
5	05		T1-08				WHT/GRN	
6	P009-06	11	T1-11				WHT/ORG	
7	J017-08	7	T1-01	NONE	1		WHT/BRN	
8	J017-09	7	J017-10	7	9		WHITE	
9	T1-03	NONE	J017-10		1		WHT/ORG	
10	J017-11	7	T1-02	NONE			WHT/RED	
11	12		T1-04	NONE			WHT/YEL	
12	14		T1-05	NONE			WHT/GRN	
13	15		T1-06	NONE	1		WHT/BLU	
14	J017-07		J017-06	7	9		WHITE	
15	J016-04		J017-06		8		BLACK	
16	J017-03		J016-03	7			WHITE	
17	J017-02		J016-02	7	8		BLACK	
18	J017-01	7	J016-01	6			WHITE	
19	T1-13	NONE	E1	3	1		BROWN	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211767 | REV 04
SHEET 3

790242-02



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SIZE	DWG NO.	REV	SHEET
A	211808		2

790104-06

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APPLICATION

NEXT ASSY	MODEL
211410	4141
211456	4143/3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO		EB	2/13/80
02	INCORP DCO 10753	JN/LM	EB	5/23/80
03	CODE 10 REL W/O CHANGES PER DCO 10846	FC/LM	EB	6/19/80

VOLTAGE TABULATION 4	
-000	115V
-001	230V
-002	100V
-003	130V
-004	215V
-005	245V

4 SEE WIRE LIST FOR INDIVIDUAL VOLTAGE WIRING INSTRUCTIONS.

3 PERMANENTLY MARK (MUST BE HOT STAMPED) APPROPRIATE VOLTAGE USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR.

2 PERMANENTLY MARK REF DESIGNATION USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

1. MARK PART NUMBER PER SPECIFICATION 100034 (TAG OR BAG).

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	MURRAY/kw	1-23-80
CHECK		
APPR		5 FEB 80
RELEASE		2/13/80

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE
PLUG, POWER SELECTION

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211808	03
SCALE NONE	DO NOT SCALE DWG	SHEET 1	OF 9

790101-07

PCC PERTEC COMPUTER CORPORATION

MATERIAL LIST

Shee 3 of | ML Dwg. No. 211808 | Rev. [illegible]

Item No.	Quantity Required -005	-004	-003	-002	-001	-000	Part No.	Nomenclature or Description	Reference Designation
1	1	1	1	1	1	1	320012-152	CONNECTOR, NYLON .093 SERIES	P017
2	8	8	12	12	6	10	320095-218	CONTACT, CONNECTOR .093 SERIES	
3	AR	AR	AR	AR	AR	AR	510140-013	WIRE, STRANDED	

790406-03

PCC PERTEC COMPUTER CORPORATION

-001 230V

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P017-06	2	P017-08	2	3		WHITE	
2	P017-09	2	P017-11	2	3		WHITE	
3	P017-12	2	P017-03	2	3		WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211808 | REV [illegible] | SHEET 5

PCC PERTEC COMPUTER CORPORATION

-000 115V

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P017-01	2	P017-02	2	3		WHITE	
2	P017-06	2	P017-08	2	3		WHITE	
3	P017-07	2	P017-11	2	3		WHITE	
4	P017-09	2	P017-12	2	3		WHITE	
5	P017-10	2	P017-03	2	3		WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211808 | REV [illegible] | SHEET 4

PCC PERTEC COMPUTER CORPORATION

-002 100V

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P017-01	2	P017-02	2	3		WHITE	
2	P017-06	2	P017-08	2	3		WHITE	
3	P017-07	2	P017-11	2	3		WHITE	
4	P017-09	2	P017-12	2	3		WHITE	
5	P017-10	2	P017-15	2	3		WHITE	
6	P017-14	2	P017-03	2	3		WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211808 | REV [illegible] | SHEET 6

PCC PERTEC COMPUTER CORPORATION

-003 130V

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P017-01	2	P017-02	2	3		WHITE	
2	P017-06	2	P017-08	2	3		WHITE	
3	P017-07	2	P017-11	2	3		WHITE	
4	P017-09	2	P017-12	2	3		WHITE	
5	P017-10	2	P017-14	2	3		WHITE	
6	P017-15	2	P017-03	2	3		WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211808 REV
SHEET 7

PCC PERTEC COMPUTER CORPORATION

-004 215V

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P017-06	2	P017-08	2	3		WHITE	
2	P017-09	2	P017-11	2	3		WHITE	
3	P017-12	2	P017-15	2	3		WHITE	
4	P017-14	2	P017-03	2	3		WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211808 REV
SHEET 8

PCC PERTEC COMPUTER CORPORATION

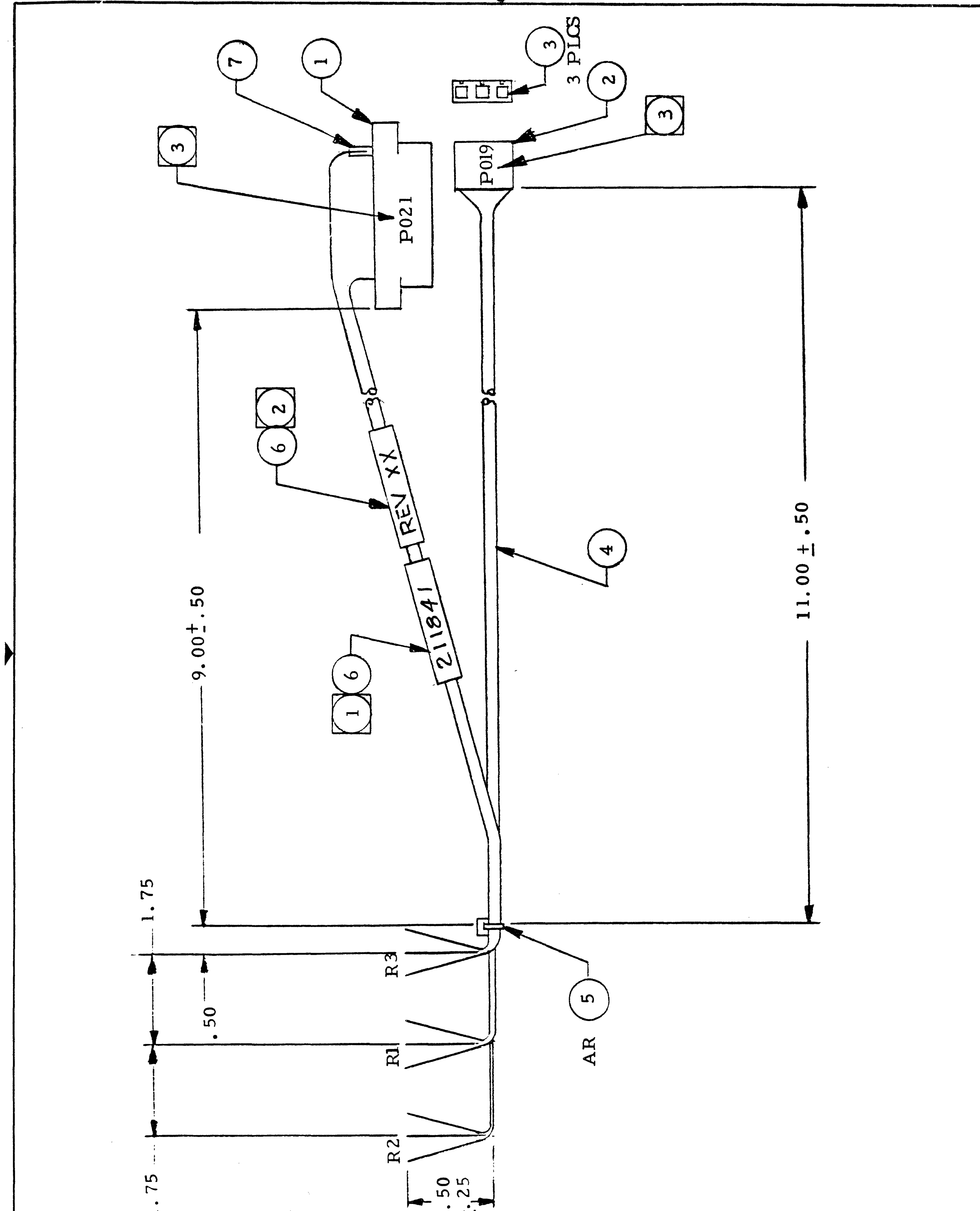
-005 245V

ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P017-06	2	P017-08	2	3		WHITE	
2	P017-09	2	P017-11	2	3		WHITE	
3	P017-12	2	P017-14	2	3		WHITE	
4	P017-15	2	P017-03	2	3		WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211808 REV
SHEET 9



PCC BUSINESS SYSTEMS

SIZE	DWG NO.	REV	SHEET
A	211841	03	2

790104-05

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APPLICATION

NEXT ASSY	MODEL
211462	3143/4143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO		EB	3/19/80
02	INCORP DCO 10830	FC/LM	EB	6/11/80
03	CODE 10 RELEASE W/O CHANGES PER DCO 10869	D.K.A.	EB	6/19/80

3 MARK REF. DESIGNATIONS USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

2 MARK "REV" AND APPROPRIATE REVISION LEVEL USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

1 MARK PART NUMBER USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPECIFICATION 100034.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	MURRAY/kw	2-22-80
CHECK	[illegible]	3-5-80
APPR	[illegible]	[illegible]
RELEASE	[illegible]	[illegible]

UNLESS OTHERWISE SPECIFIED
1. TOLERANCES
   .XX ±.03 ANGULAR
   .XXX ±.010 ±0°30'
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 OR BETTER
5. INTERPRET DWG PER ANS Y14
6. DIM ARE IN INCHES

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE
CABLE ASSY, POTS

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211841	03
SCALE NONE	DO NOT SCALE DWG	SHEET 1 OF 4	

79010-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 3 of | ML Dwg. No. 211841 | Rev. 03

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	320025-065	CONNECTOR, PCB	P021
2						1	320396-002	CONNECTOR, HOUSING, .156 CENTERS	P019
3						3	320395-001	CONTACT, CRIMP AND INSERT	
4						AR	510144-010	WIRE,STRANDED,INSULATED	
5						AR	370016-XXX	TIE WRAP	
6						2	420019-000	TIE, IDENTIFICATION	
7						AR	420001-125	TUBING, SHRINK	

790406 03

PERTEC COMPUTER CORPORATION

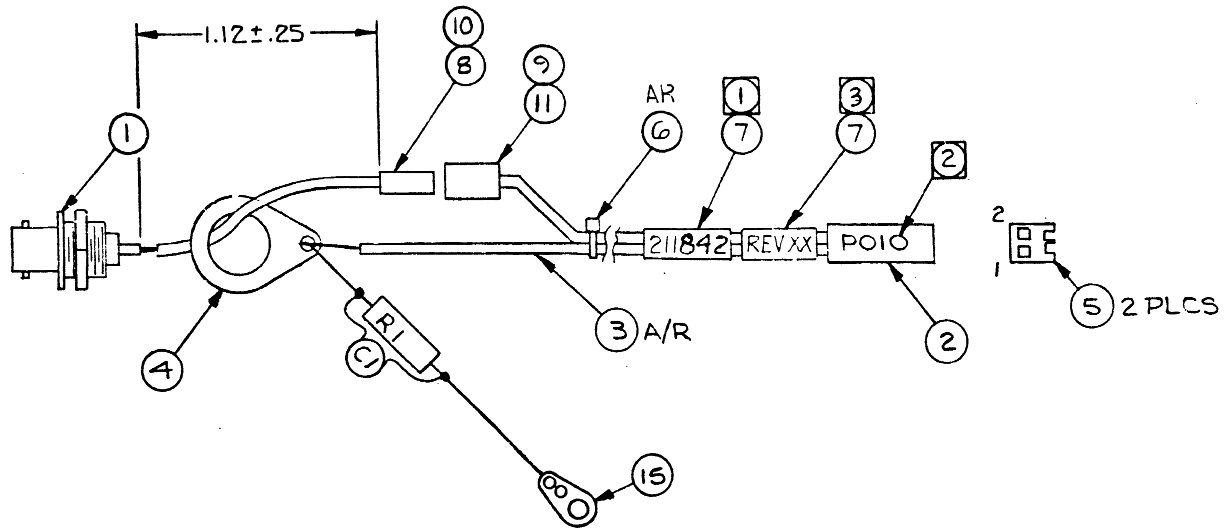
ENGINEERING WIRE LIST

WIRE/ COMP NO.	FROM REF. DES.	FROM TERM ITEM/TYPE	TO REF. DES.	TO TERM ITEM/TYPE	WIRE ITEM NO.	SIGNAL	COLOR	REMARKS
1	P021-2	1	R1-1	S6/T	4	R1A	WHITE	
2	P021-5	1	R1-2			R1B		
3	P021-6	1	R1-3			R1C		
4	P021-3	1	R2-1			R2A		
5	P021-4	1	R2-2			R2B		
6	P021-1	1	R2-3			R2C		
7	P019-2	2	R3-1			R3A		
8	P019-1	2	R3-2			R3B		
9	P019-3	2	R3-3	S6/T	4	R3C	WHITE	

T=TIN WIRE
S6=STRIP WIRE .375

DWG NO 211841 | REV 03

SHEET 4



WIRE TABLE			
FROM	TO	LENGTH	COLOR
J013-LUG	P010-1	10.00 ±.25	BLACK
J013-CONN	P010-2		WHITE
J013-LUG	ITEM 15	4.00±.25	—

PCC

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SIZE	DWG NO.	REV
A	211842	03
		SHEET 2

790104-06

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APPLICATION

NEXT ASSY	MODEL
203315	4143
203491	4143
203660	4143
203694	3143

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
01	RELEASE PER DRO 166-80		EB	3/19/80 (R)
02	INCORP DCO 10830	F.C.	EB	6/11/80 (R)
03	CODE 10 RELEASE W/O CHANGE PER DCO 10869	KA	EB	6/19 (R)

3 MARK "REV" AND APPROPRIATE REVISION LEVEL USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.

2 MARK REF DESIGNATION USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.

1 MARK PART NUMBER USING .09 HIGH CHARACTERS IN A CONTRASTING COLOR PER SPEC 100034.

NOTE: UNLESS OTHERWISE SPECIFIED.

DRAWN	MURRAY/kw	2-25-80
CHECK	[illegible]	3-5-80
APPR	[illegible]	11 Mar 80
RELEASE	[illegible]	3/18/80

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 ✓ OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE

CABLE, ASSY, BNC

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	211842	03
SCALE NONE	DO NOT SCALE DWG	SHEET 1	OF 3

790101-07

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 3 of | ML Dwg. No. 211842 | Rev. 03

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	320018-000	RECEPTACLE, BULKHEAD	J013
2						1	320396-006	CONNECTOR, HOUSING, .156 CENTERS	P010
3						AR	510151-002	WIRE, TWISTED PAIR	
4						1	320184-001	LUG, SOLDER	
5						2	320395-001	CONTACT, CRIMP AND INSERT	P010-1, P010-2
6						AR	370016-100	TIE WRAP	
7						2	420019-000	TIE, IDENTIFICATION	
8						1	320002-011	CONN, NYLON .062 SERIES	
9						1	320002-012	CONN, NYLON .062 SERIES	
10						1	320001-218	CONTACT, CONNECTOR	
11						1	320001-118	CONTACT, CONNECTOR	
12						1	300229-104	CAP, .1UF, +80% - 20%, 500V	C1
13						1	470025-222	RES, 2.2K OHMS, 10%/2W	R1
14									
15						1	320016-600	LUG, SOLDER	

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 295-77	NK	EB	4-18-77
02	INCORP DCO 05543	NK [illegible]	[illegible] EB	7/22/77
03	INCORP DCO 06441	[illegible]	[illegible] EB	11/28/77
04	CODE 05 REL W/O CHG PER DRO [illegible]	[illegible]	[illegible] EB	1/5/78
05	CODE 06 REL WITH CHANGES PER DCO 06794	[illegible]	EB	2/17/78
06	INCORP DCO 06689	[illegible]	[illegible] EB	3/21/78
07	INCORP DCO 05964	TC	[illegible] EB	5/5/78
08	INCORP DCO 07265	TC	[illegible] EB	5/16/78
09	INCORP DCO 07273	TC	[illegible] EB	[illegible]
10	INCORP DCO 07768	[illegible]	[illegible] EB	8/28/78
11	INCORP DCO 07977	F.C.	[illegible] EB	9/15/78
12	INCORP DCO 08698	[illegible]	[illegible] EB	[illegible]
13	CODE 10 RELEASE W/O CHANGE PER DCO 10846	D. K. A.	[illegible] EB	6/19/[illegible]

LEGEND FOR TYPES OF CHANGES:
- A = MANDATORY
- B = PHASE IN
- C = RECORD
- X = DOCUMENT REVISION LEVEL AT THE TIME CONFIGURATION IS ESTABLISHED

CONFIGURATION DESIGNATOR	CONFIG. CONSISTS OF DRAWING NO'S		CONFIGURATIONS AFFECTED BY REV LEVELS (SEE LEGEND FOR CODING)																			
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
1	PCBA	261057				X		A	A			A		A								
	PCB	270686					X	REV 05 INACTIVATES DWG														
	EM	150497		X	C																	
	SM	140822		X	C																	
	SS	140823		X	C																	
	SCHEM	121021					X															
2	PCBA	261057					X	A	A			A		A								
	PCB	270752		X																		
	EM	150559	X																			
	SM	140978	X																			
	SS	140979	X																			
	SCHEM	121021						X	C													
3	PCBA	261057								X	C		B	A	C							
	PCB	270769	X																			
	EM	150570	X																			
	SM	141005	X																			
	SS	141006	X																			
	SCHEM	121021							X													

NOTE: UNLESS OTHERWISE SPECIFIED

1. APPLY PCBA IDENTIFICATION LABEL (ITEM 38) APPROX WHERE SHOWN.
2. MARK APPROPRIATE REV NO. WHERE SHOWN PER SPEC 100034 (RUBBER STAMP).
3. REFERENCE PCBA WORKMANSHIP STANDARD 170450.
4. DO NOT INSTALL 5B (PROVIDED FOR FUTURE REQUIREMENTS).

FOR REWORK INSTRUCTIONS SEE SHEET 3

203315	1	4143	—
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	[illegible]	4-14-77
CHECK	[illegible] ATWELL	4-15-77
APPR	[illegible] STEPHENSON	4-18-77
RELEASE	G. BRINK	4-18-77

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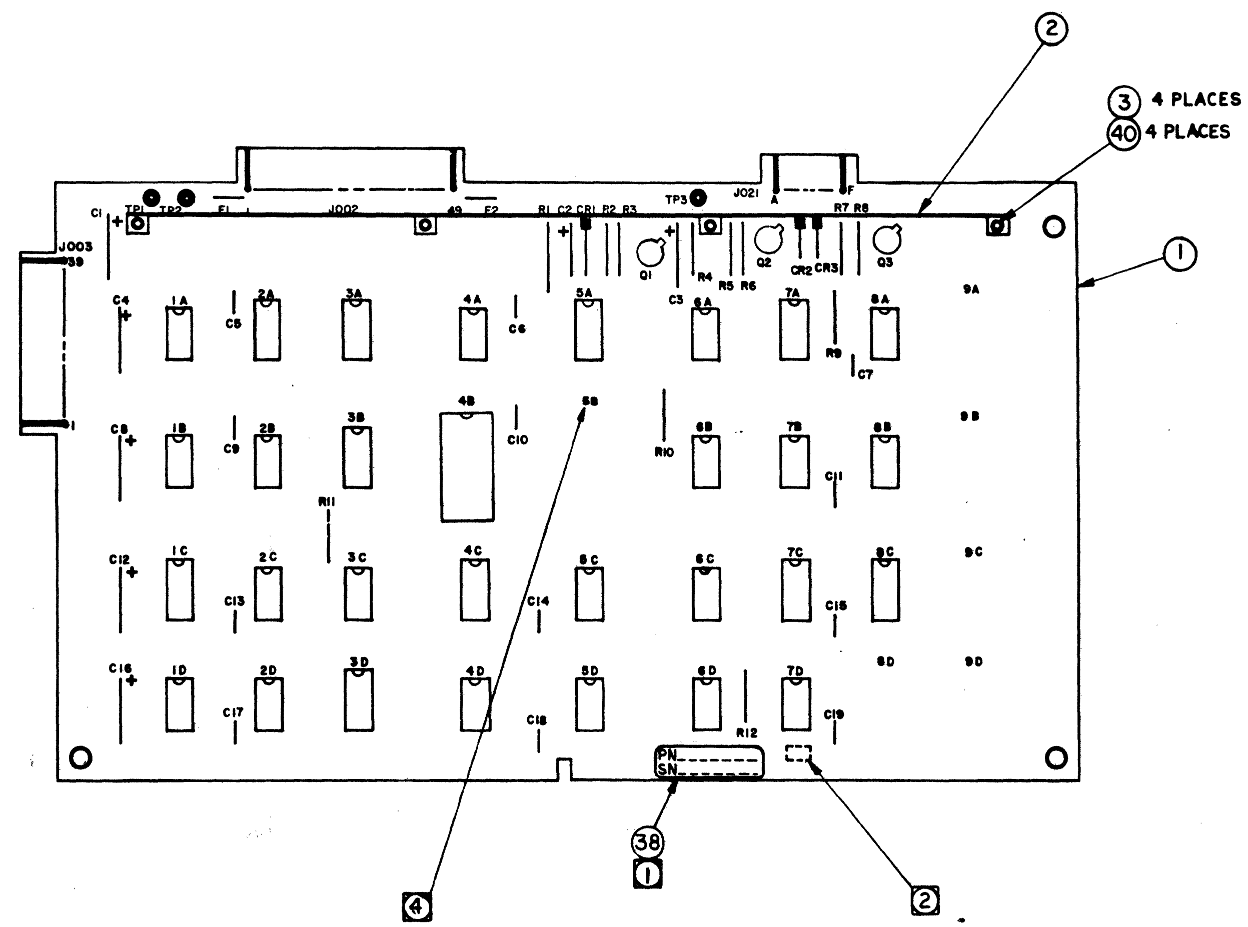
PEC BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE: PCBA, KEYBOARD INTERFACE

CODE IDENT. NO.	SIZE	DWG NO	REV
DC CODE 10	D	261057	13
SCALE 1/1	DO NOT SCALE DWG	SHEET 1 OF 5	



SIZE	DWG NO	REV
D	261057	13
DO NOT SCALE DWG	SHEET 2	

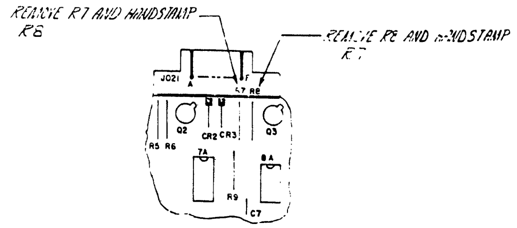
8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

REVISION 10 REWORK INSTRUCTIONS

THIS DCO SUPERSEDES REVISION 06 REWORK INSTRUCTIONS

REWORK INSTRUCTIONS

AFFECTS 2ND CONFIGURATION ONLY



REWORK INSTRUCTIONS

AFFECTS 1ST AND 2ND CONFIGURATION

CUT ETCH: AT 4C-PIN 13 SOLDER SIDE
AT R7 (COMPONENT SIDE) ETCH RUNNING TO J002-25
AT 4C-PIN 2 COMPONENT SIDE
AT 4C-PIN 2 (COMPONENT SIDE) RUNNING BETWEEN 4C-PIN 14 AND 4C-PIN 15

REMOVE 3A AND CUT ETCH RUNNING FROM 3A-PIN 5 TO 3A-PIN 11 (COMPONENT SIDE)

REINSTALL 3A (IC, 74LS157, P/N 380491)

INSTALL 8D, IC, 74LS161, P/N 380751

INSTALL 9A, IC, 7406, P/N 380096 (INSTALL PIN 1 TO PIN 1)

ADD THE FOLLOWING JUMPERS USING 30 AWG BLUE KYNAR WIRE, P/N 510025-030.

FROM 7C-PIN 15 TO 8D-PIN 1
FROM 8D-PIN 2 TO 4C-PIN 13
FROM 8D-PIN 6 TO 8D-PIN 5
FROM 8D-PIN 5 TO 8D-PIN 4
FROM 8D-PIN 4 TO 8D-PIN 3
FROM 8D-PIN 3 TO 6D-PIN 8
FROM 8D-PIN 9 TO 6D-PIN 9
FROM 8D-PIN 10 TO 5D-PIN 13
FROM 9A-PIN 2 TO R7

FROM 8D-PIN 7 TO 8D-PIN 10
FROM 8D-PIN 11 TO 8A-PIN 8
FROM 9A-PIN 1 TO 8A-PIN 10
* FROM J002-PIN 14 TO 4C-PIN 2
FROM 4C-PIN 2 TO 1D-PIN 10
FROM J002-PIN 25 TO 8A-PIN 9
FROM 9A-PIN 7 TO 8A-PIN 7
FROM 3D-PIN 4 TO 7C-PIN 4
FROM 3A-PIN 11 TO 4A-PIN 7

* RUN JUMPER FROM J002-PIN 14 TO TOPSIDE OF BOARD THRU FEED THRU NEAREST J002-PIN 14.

D C B A

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SIZE	DWG NO	REV
D	261057	13
DO NOT SCALE DWG	SHEET 3	

BUSINESS SYSTEMS a division of Pertec Computer Corporation

MATERIAL LIST

Sheet 4 of 5 | ML Dwg. No. 261057 | Rev. 13

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	270769	PCB, KEYBOARD INTERFACE	
2						1	241985	STIFFENER, PCB	
3						4	370081-171	RIVET	
4						2	380431	IC, 74LS04	6B, 6D
5						1	380601	IC, 74LS00	4D
6						2	380591	IC, 74LS02	8A, 2B
7						4	380644	IC, 74LS109	7A, 7C, 8C, 3D
8						1	380138	IC, 7437	1D
9						2	380638	IC, 74LS14	1A, 1B
10						2	380498	IC, 74LS08	2D, 7D
11						4	380595	IC, 74LS74	8B, 3C, 5C, 5D
12						1	380637	IC, 74LS11	6A
13						1	380639	IC, 74LS21	7B
14						1	380608	IC, 74LS20	2C
15						1	380614	IC, 74LS32	6C
16						2	380751	IC, 74LS161	4C, 8D
17						1	380586	IC, 74LS174	3B
18						2	380491	IC, 74LS157	3A, 5A
19						1	380501	IC, 74S280	4A
20						1	380958	IC, 2813A	4B
21						1	380096	IC, 7406	9A
22						1	380619	IC, 74LS153	2A
23						1	300006-153	CAP, 15UF, ±10%, 20V	C3

790406-02

BUSINESS SYSTEMS a division of Pertec Computer Corporation

MATERIAL LIST

Sheet 5 | ML Dwg. No. 261057 | Rev. 13

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
24						5	300005-333	CAP, 33UF, ±10%, 10V	C1, C4, C8, C12, C16
25						1	300006-222	CAP, 2.2UF, ±10%, 20V	C2
26						12	300206-503	CAP, .05UF, +80%, -20%, 10V	C5, C6, C7, C9, C10, C11, C13, C14, C15, C17, C18, C19
27						1	470072-331	RES, 330 OHM, ±5%, 2W	R1
28						7	470000-102	RES, 1K, ±10%, 1/4W	R6, R8 THRU R13
29						1	470099-001	RES, NETWORK, 220 OHM/330 OHM	1C
30						1	470000-100	RES, 10 OHM, ±10%, 1/4W	R3
31						1	470000-101	RES, 100 OHM, ±10%, 1/4W	R2
32						2	470000-471	RES, 470 OHM, ±10%, 1/4W	R5, R7
33						1	470000-047	RES, 4.7 OHM, ±10%, 1/4W	R4
34						1	330123	DIODE, 1M12ZS2	CR1
35						2	330000	DIODE, 1N4446	CR2, CR3
36						2	500069	TRANSISTOR, 2N2905	Q2, Q3
37						1	500076	TRANSISTOR, 2N3019	Q1
38						1	290231	LABEL, PCBA IDENTIFICATION	
39						3	320004-042	TERMINAL, TURRET	TP1, TP2, TP3
40						4	241219	INSULATOR,PCB STIFFENER	

790406-02

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 295-77		EB	4-18-77
02	INCORP DCO 05621	PP RG	EB	6-8-77
03	INCORP DCO 06471	TC	RG EB	11-17-77
04	CODE 06 REL W/CHANGES PER DCO 06897	TC	TLR EB	3-15-78
05	INCORP DCO 07042	PW	RG EB	4-12-78
06	INCORP DCO 07208	PW	RG EB	5/4-78
07	INCORP DCO 07269	TC	EB	5/19/78 Ⓡ
08	INCORP DCO 07718		EB	8/8/78 Ⓡ
09	INCORP DCO 07831		EB	8/16/78 Ⓟ
10	INCORP DCO 08071		TLR EB	10/18/78 Ⓡ
11	INCORP DCO 08073	BM	EB	10/30/78 Ⓡ
12	INCORP DCO 08076		EB	1/12/ Ⓡ
13	INCORP DCO 09457		EB	7/12/79
14	INCORP DCO 10571	BM	EB	4/8/80
15	CODE 10 RELEASE W/O CHANGE PER DCO 10846	DKA	EB	6/19/80 Ⓡ

LEGEND FOR TYPES OF CHANGES:
- A = MANDATORY
- B = PHASE IN
- C = RECORD
- X = DOCUMENT REVISION LEVEL AT THE TIME CONFIGURATION IS ESTABLISHED

CONFIGURATION DESIGNATOR	CONFIG. CONSISTS OF DRAWING NO'S		CONFIGURATIONS AFFECTED BY REV LEVELS (SEE LEGEND FOR CODING)																			
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
1	PCBA	261061				X	A	A		A	A	A			A							
	PCB	270690			X																	
	EM	150501		X																		
	SM	140830		X																		
	SS	140831		X																		
	SCHEM	121025					X	C	C	C	C											
2	PCBA	261061							X	A	A	A	A		A							
	PCB	270764	X																			
	EM	150572	X																			
	SM	141008	X																			
	SS	141009	X																			
	SCHEM	121142	X	C	C	C																
3	PCBA	261061												X	A	B	C					
	PCB	270782	X																			
	EM	150589	X																			
	SM	141067	X																			
	SS	141068	X																			
	SCHEM	121142					X															

NOTE: UNLESS OTHERWISE SPECIFIED

1. APPLY PCBA IDENTIFICATION LABEL (ITEM 2) APPROX. WHERE SHOWN.
2. MARK APPROPPIATE REV NO. WHERE SHOWN PER SPEC 100034 (RUBBER STAMP).
3. REF PCBA WORKMANSHIP STD 170450.

FOR REWORK INSTRUCTIONS SEE SHEET 3

		4143	–
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	P. PADILLA	4-14-77
CHECK	H. ATWELL	4-15-77
APPR	T. STEPHENSON	4-18-77
RELEASE	G. BRINK	4-18-77

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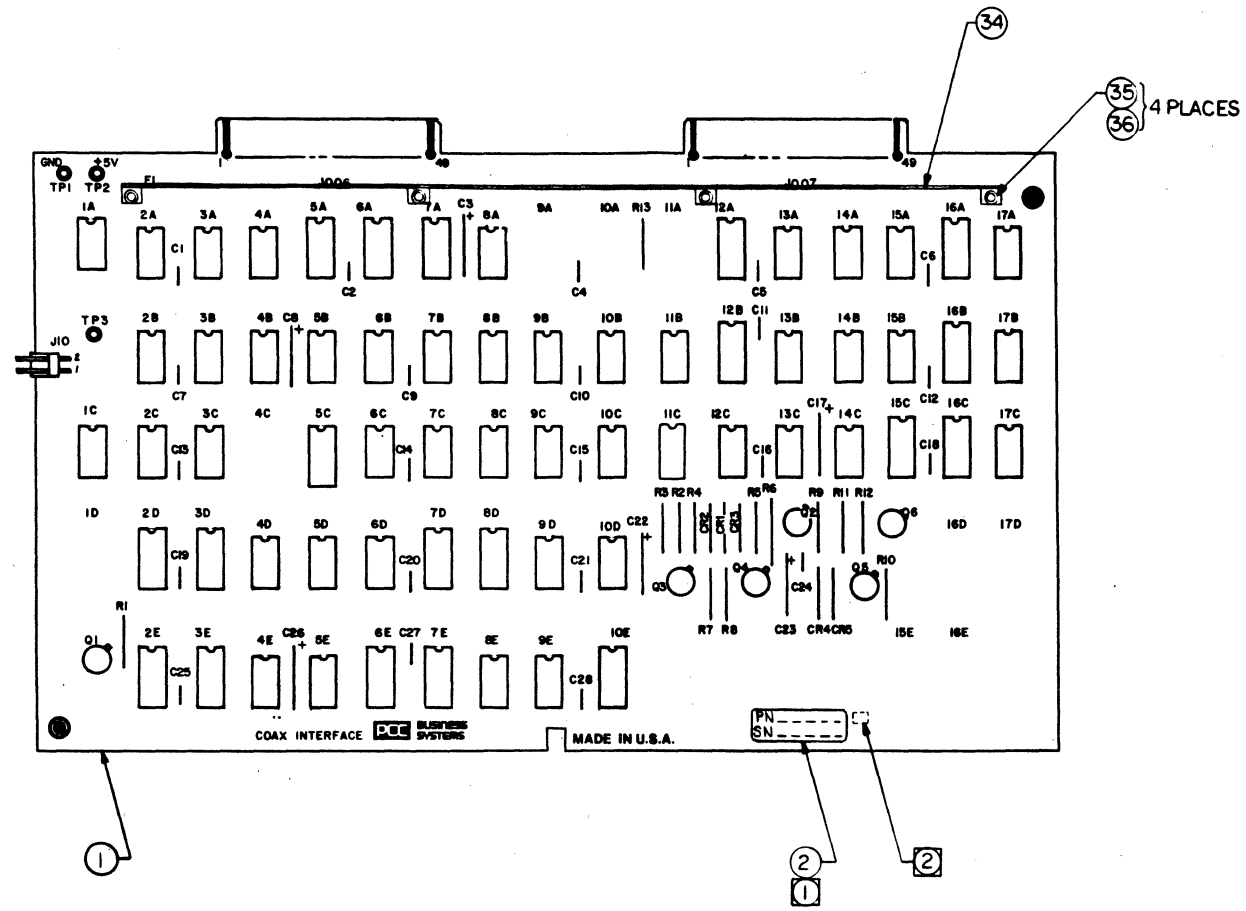
PEC BUSINESS SYSTEMS

TITLE: PCBA, COAX INTERFACE

CODE IDENT NO.	SIZE	DWG NO	REV
DC CODE 10	D	261061	15
SCALE 1:1	DO NOT SCALE DWG	SHEET 1 OF 6	



SIZE	DWG NO	REV
D	261061	15
DO NOT SCALE DWG	SHEET 2	

REV 13

RENORK INSTRUCTIONS FOR CONFIGURATIONS 1, 2 & 3

CUT ETCH: ON COMPONENT SIDE AT 9B - PIN 8.
ON SOLDER SIDE AT 11B - PIN 9.

INSTALL IC, 74LS32, PART NO. 380614 AT LOCATION 10A AS SHOWN IN FIGURE 1.

ADD THE FOLLOWING JUMPERS USING 30 AWG BLUE KYNAR WIRE, P/N 510023-030

FROM:	TO:
9B-PIN 8	10A-PIN 10
13A-PIN 5	10A-PIN 10
10B-PIN 13	10A-PIN 9
10A-PIN 8	11B-PIN 9
10A-PIN 7	10B-PIN 7

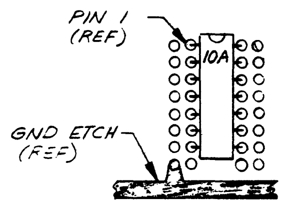


FIGURE 1

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SIZE	DWG NO	REV
D	261061	15
DO NOT SCALE DWG	SHEET 3	

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 4 of 6 — ML Dwg. No. 261061 — Rev. 15

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
1	1	270782	PCB, COAX INTERFACE	
2	1	290231	LABEL, PCBA IDENTIFICATION	
3				
4	1	380138	IC, 7437	1A
5	3	380601	IC, 74LS00	9B, 8C, 11C
6	2	380591	IC, 74LS02	7C, 13C
7	5	380431	IC, 74LS04	13A, 14B, 9C, 6D, 4E
8	1	380096	IC, 7406	4B
9	8	380498	IC, 74LS08	8A, 15A, 3B, 15B, 12C, 4D, 5D, 8E
10	2	380593	IC, 74LS10	4A, 10B
11	3	380637	IC, 74LS11	11B, 17B, 9D
12	1	380608	IC, 74LS20	10C
13	1	380639	IC, 74LS21	5E
14	3	380594	IC, 74LS30	14A, 7B, 14C
15	3	380614	IC, 74LS32	13B, 10A, 10D
16	1	380169	IC, 74H53	17A
17	7	380595	IC, 74LS74	2A, 3A, 2B, 8B, 2C, 3C, 9E
18	2	380427	IC, 74LS86	5B, 6B
19	4	380644	IC, 74LS109	2D, 3D, 7E, 10E
20	6	380751	IC, 74LS161	16A, 16B, 15C, 16C, 2E, 3E
21				
22	2	380588	IC, 74LS175	12A, 12B

790406 02

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 5 — ML Dwg. No. 261061 — Rev. 15

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
23	6	380621	IC, 74LS195	5A, 6A, 7A, 7D, 8D, 6E
24	1	380499	IC, 74S32	17C
25				
26	1	480130-008	SWITCH, DIP	5C
27	1	470070-102	NETWORK, RESISTOR 1K	6C
28				
29	1	300009-103	CAP, .01UF, 20%, 100V	C24
30	1	300006-153	CAP, 15UF, +10%, 20V	C23
31	5	300005-333	CAP, 33UF, +10%, 10V	C3, C8, C17, C22, C26
32	21	300206-503	CAP, .05UF, +80% -20%, 10V	C1, C2, C4 THRU C7, C9 THRU C16, C18, C19, C20, C21, C25, C27, C28
33	1	320290-002	CONNECTOR, RECEPTACLE, R. ANGLE	J10
34	1	241985	STIFFENER, PCB	
35	4	370081-171	RIVET	
36	4	241219	INSULATOR, PCB STIFFENER	
37				
38				
39				
40	3	320004-042	TERMINAL, TURRET	TP1, TP2, TP3
41	2	470000-221	RES, 220 OHMS, 1/4W, 10%	R3, R5
42	1	470000-471	RES, 470 OHMS, 1/4W, 10%	R2
43	1	470000-470	RES, 47 OHMS, 1/4W, 10%	R7

790406 02

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 6 — ML Dwg. No. 261061 — Rev. 15

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
44	5	470000-102	RES, 1K OHMS, 1/4W, 10%	R8, R10, R11, R12, R13
45	1	470000-222	RES, 2.2K OHMS, 1/4W, 10%	R1
46	1	470000-472	RES, 4.7K OHMS, 1/4W, 10%	R9
47				
48	1	470001-471	RES, 470 OHMS, 1/2W, 10%	R4
49				
50	1	470013-010	RES, 0.1 OHMS, 2W, 10%	R6
51				
52	5	330000	DIODE, 1N4446	CR1, CR2, CR3, CR4, CR5
53	2	500072	TRANSISTOR, 2N2369A	Q3, Q6
54	1	500070	TRANSISTOR, 2N2222	Q1
55	2	500025	TRANSISTOR, 2N2907	Q4, Q5
56	1	500069	TRANSISTOR, 2N2905	Q2
57				
58	1	460022	RELAY, REED DC	1C

790406 02

7 6 5 4 3 2 1

D

LEGEND FOR TYPES OF CHANGES:
- A = MANDATORY
- B = PHASE IN
- C = RECORD
- X = DOCUMENT REVISION LEVEL AT THE TIME CONFIGURATION IS ESTABLISHED

CONFIGURATION DESIGNATOR	CONFIG CONSISTS OF DRAWING NO'S		CONFIGURATIONS AFFECTED BY REV LEVELS (SEE LEGEND FOR CODING)																			
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
1	PCBA	261062				X	A	A	A			A		A	A	A		A	A			A
	PCB	270691			X																	
	EM	150502		X																		
	SM	140832		X																		
	SS	140833		X																		
	SCHEM	121026								X	C	C	C	C	C	C	C	C				
2	PCBA	261062								X	A	A	A	A	A	A		A	A			
	PCB	270767	X																			
	EM	150575	X																			
	SM	141016	X																			
	SS	141017	X																			
	SCHEM	121144	X	C	C	C	C	C	C													
3	PCBA	261062															X	A	A	B	C	
	PCB	270811		X																		
	EM	150618	X																			
	SM	141142	X																			
	SS	141141	X																			
	SCHEM	121144	X	C	C	C	C	C	C													

C

B

A

REVISIONS

SYM	DESCRIPTION	DFTG	APPROVED	DATE
01	RELEASE PER DRO 267-77		EB	4-7-77
02	INCORP DCO 05558	JDS	RG EB	6-8-77
03	INCORP DCO 06558	[illegible]	EB	12/5/77
04	CODE 06 REL WITH CHANGES PER DCO 06936	TC	EB	3/15/78
05	INCORP DCO 07042	[illegible]	EB	4/12/78
06	INCORP DCO 07208	[illegible]	EB	5/4/78
07	INCORP DCO 07224	[illegible]	EB	6/2/78
08	INCORP DCO 07286	[illegible]	EB	6/6/78
09	INCORP DCO 06370	[illegible]	EB	2/4/77
10	INCORP DCO 07864	[illegible]	EB	8/21/78
11	INCORP DCO 07825	[illegible]	EB	9/1/78
12	INCORP DCO 08169	[illegible]	EB	10/16/78
13	INCORP DCO 08413	BM	EB	1/8/79
14	INCORP DCO 08908	MV	EB	3/30/79
15	INCORP DCO 08176	DD	EB	7/27/79
16	INCORP DCO 09255	BM	EB	10/19/79
17	INCORP DCO 10573	BM	EB	3/27/80
18	INCORP DCO 10767	DKA	EB	4/19/80
19	CODE 10 RELEASE W/O CHANGE PER DCO 10860	DKA	EB	4/18/80
20	INCORP DCO 10775	BM	TLR EB	7/22/80

NOTE: UNLESS OTHERWISE SPECIFIED

1. APPLY PCBA IDENTIFICATION LABEL (ITEM 36) APPROX WHERE SHOWN.
2. MARK APPROPRIATE REV NO. WHERE SHOWN PER SPEC 100034 (RUBBER STAMP).
3. REF PCBA WORKMANSHIP STANDARD 170450.

FOR REWORK INSTRUCTIONS SEE SHEET 3

DISTRIBUTION CLASS

		3 43	
		4143	1
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	STRICKLIN	4-1-77
CHECK	J.E.M.	4-1-77
APPR	T.S. HA	4-7-77
RELEASE	G. BRINK	4-7-77

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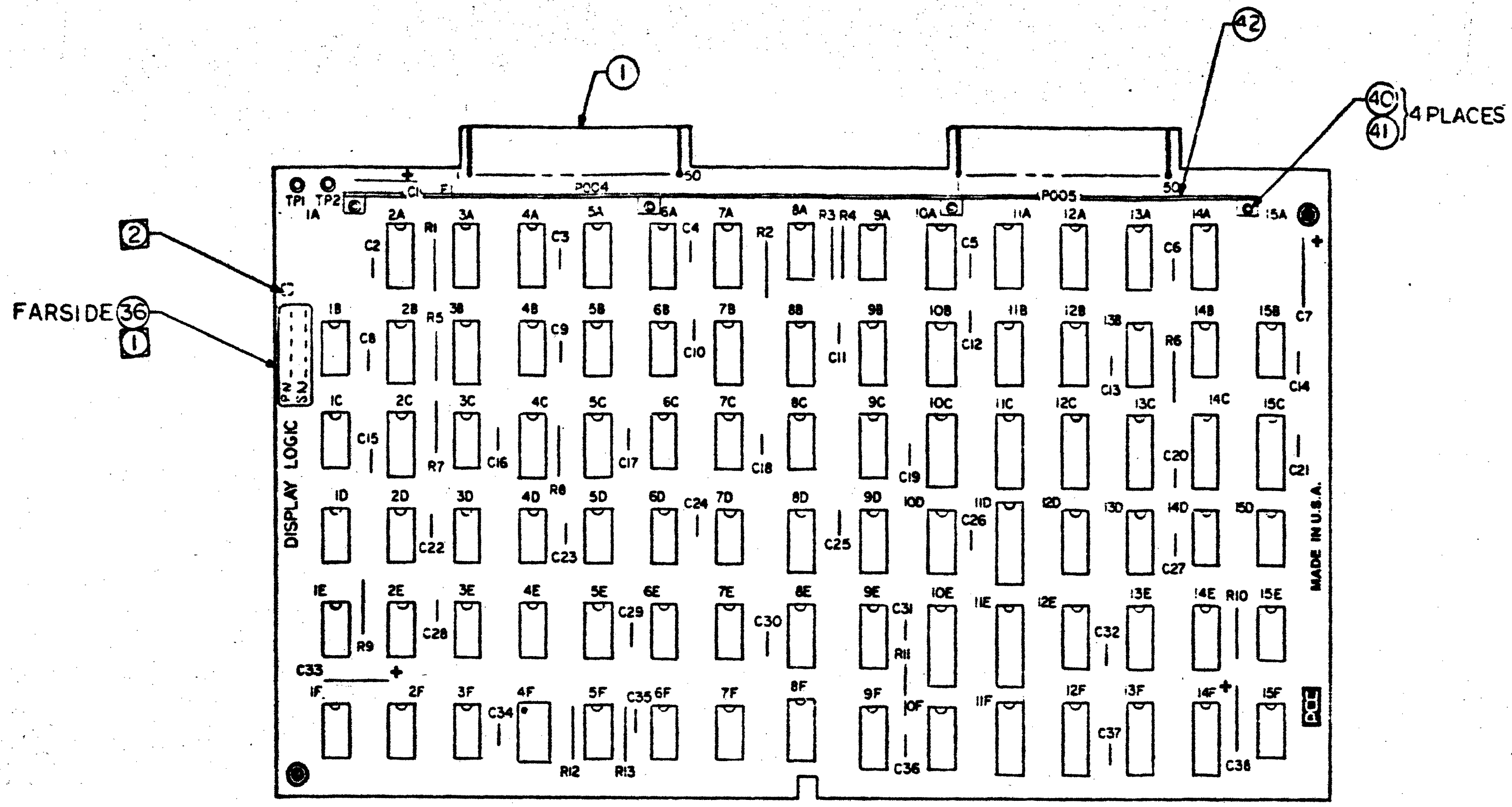
BUSINESS SYSTEMS

TITLE PCBA, DISPLAY LOGIC

CODE IDENT NO | DC CODE 10 | SIZE D | DWG NO 261062 | REV 2

SCALE | DO NOT SCALE DWG | SHEET 1 OF



SIZE	DWG NO	REV
D	261062	20

DO NOT SCALE DWG SHEET 2

8 7 6 5 4 3 2 1

D

REV 16

REWORK INSTRUCTIONS CONFIG 1 ONLY

ON COMPONENT SIDE
CUT ETCH AT 4A-9
ADD JUMPERS USING 30AWG BLUE KYNAR WIRE (P/N 510023-030)
AS FOLLOWS:

FROM:	5A-6	TO: 3F-9
"	3F-8	" 4A-9
"	3F-10	" 5E-1

REWORK INSTRUCTIONS CONFIG 2 & 3 ONLY

ON COMPONENT SIDE
CUT ETCH BETWEEN 5B-8 AND FEED THRU
(ETCH RUNS FROM 5B-8 TO FEEDTHRU).
ADD JUMPERS USING 30AWG BLUE KYNAR WIRE (P/N 510023-030)
AS FOLLOWS:

FROM:	5C-6	TO: 1B-13
"	5C-1	" 1B-12
"	1B-11	" FEEDTHRU NEAR 4B-7

(ETCH GOING FROM FEEDTHRU TO P004-14)

C

REV 17

REWORK INSTRUCTIONS CONFIG 3 ONLY

ON SOLDER SIDE
CUT ETCH AT 5B-3

ADD JUMPERS USING BLUE KYNAR WIRE (P/N 510023-030)

FROM:	TO:
5B-3	6C-6
5A-7	6C-4
3A-12	6C-5

B

A

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SIZE	DWG NO	REV
D	261062	20
DO NOT SCALE DWG	SHEET 3	

PCC BUSINESS SYSTEMS

a division of Pertec Computer Corporation

MATERIAL LIST

Sheet 4 of 5	ML Dwg. No. 261062	Rev. 20

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
1						1	270811-000	PCB, DISPLAY LOGIC	
2						1	380447	IC, 74S00	5F
[illegible]						5	380431	IC, 74LS04	8A, 5B, 3C, 7D, 2E
4						5	380601	IC, 74LS00	6C, 3D, 5E, 3F, 15B
5						1	380845	IC, 74S112	7A
6						1	380807	IC, 74S162	4C
[illegible]						5	380526	IC, 74S163	6A, 7B, 8B, 9C, 3B
8						4	380751	IC, 74LS161	2B, 2C, 12E, 13E
9						1	380138	IC, 7437	4B
10						4	380593	IC, 74LS10	6B, 8C, 1F, 2F
11						2	380614	IC, 74LS32	1E, 15F
12						1	380532	IC, 74S175	5C
13						2	380591	IC, 74LS02	2D, 14D
14						4	380595	IC, 74LS74	9A, 1C, 4D, 4E
15						4	380586	IC, 74LS174	10A, 11A, 8D, 10D
16						3	380618	IC, 74LS85	9B, 10B, 11B
17						9	380525	IC, 74S157	12A, 13A, 14A, 12B, 13B, 12D, 13D, 9E, 9F
18						1	380497	IC, 74S04	14B
19						4	380498	IC, 74LS08	1B, 1D, 6D, 15D
20						3	380806	IC, 74S194	2A, 8E, 8F
21						1	380585	IC, 74365	9D
22						10	380908	IC, RAM STATIC, 4K, 250 MSEC	10C, 11C, 12C, 13C, 14C, 15C, 11F, 12F, 13F, 14F

790406-02

PCC BUSINESS SYSTEMS

a division of Pertec Computer Corporation

MATERIAL LIST

Sheet 5 of	ML Dwg. No. 261062	Rev. 20

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation
						-000			
23						3	380809	IC, 74LS244	11D, 10E, 11E
24						1	380639	IC, 74LS21	15E
25						1	380619	IC, 74LS153	10F
26						3	380750	IC, 74LS163	3A, 4A, 14E
27						1	380644	IC, 74LS109	5A
28						1	380608	IC, 74LS20	3E
29						1	380499	IC, 74S32	7C
30						1	380502	IC, 74S08	7F
31						2	380524	IC, 74S74	6E, 6F
32						1	380427	IC, 74LS86	7E
33						1	380103	IC, 74H10	5D
34						13	470000-102	RES, 1/4W, 10%, 1K	R1 THRU R13
35						4	300005-333	CAP, TANT 10V, 10%, 33UF	C1, C7, C33, C38
36						34	300206-503	CAP, CERAMIC DISC, 10V, +80%, -20%	C2 THRU C6, C8 THRU C32, C34 THRU C37
37						1	290231	LABEL, PCBA IDENTIFICATION	
38						1	530111	OSCILLATOR, QUARTZ CRYSTAL	4F
39						2	320004-042	TERMINAL, TURRET	TP1, TP2
40						4	241219	INSULATOR, PCB STIFFENER	
41						4	370081-171	RIVET	
42						1	241985	STIFFENER, PCB	

790406-02

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

REVISIONS

SYM	DESCRIPTION	DRFTG	APPROVED	DATE
01	RELEASE PER DRO 386-78		EB.	5/24/78
02	INCORP DCO 08015	F.C.	TLR EB	10/2/78
03	INCORP DCO 08062	F.C.	TLR EB	10/2/78
04	INCORP DCO 08152	MV	TLR EB	10/10/78
05	INCORP DCO 08175	DA	TLR EB	11/6/78
06	INCORP DCO 08486	TA.	TLR EB	12/11/78
07	INCORP DCO 08365	BM	9.B. EB	12/15/78
08	INCORP DCO 08696	[illegible]	EB	3/6/79
09	INCORP DCO 09127	BM	TLR EB	9/21/79
10	INCORP DCO 09129	DD	TLR EB	9/28/79
11	INCORP DCO 09549	DL	TLR [illegible]	10-8-79
12	INCORP DCO 08026	[illegible]	TLR [illegible]	10-11-79
13	INCORP DCO 10292	[illegible]	EB	2/22/80
14	INCORP DCO 08078	[illegible]	EB	2/25/80
15	INCORP DCO 10610	BN	EB	5/8/80
16	CODE 10 RELEASE W/O CHANGE PER DCO 10846	[illegible]	EB	6/19/80

LEGEND FOR TYPES OF CHANGES:
A = MANDATORY
B = PHASE IN
C = RECORD
X = DOCUMENT REVISION LEVEL AT THE TIME CONFIGURATION IS ESTABLISHED

CONFIGURATION DESIGNATOR	CONFIG. CONSISTS OF DRAWING NO'S		CONFIGURATIONS AFFECTED BY REV LEVELS (SEE LEGEND FOR CODING)																			
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
1	PCBA	261142	X	B	A	A	A	A		A	A	A	A		A							
	PCB	270757	X																			
	EM	150564	X																			
	SM	140992	X																			
	SS	140993	X																			
	SCHEM	121114				X	C	C	C	C	C	C	C	C	C							
2	PCBA	261142							X	A	A	A	A	A	A							
	PCB	270793	X																			
	EM	150600	X																			
	SM	141089	X																			
	SS	141090	X																			
	SCHEM	121217	X	C																		
3	PCBA	261142														X	C	C				
	PCB	270841	X																			
	EM	150630		X																		
	SM	141163		X																		
	SS	141164		X																		
	SCHEM	121218		X																		

NOTE: UNLESS OTHERWISE SPECIFIED

1. APPLY PCBA IDENTIFICATION LABEL APPROX. WHERE SHOWN.
2. MARK APPROPRIATE REV NO. WHERE SHOWN PER SPECIFICATION 100034(RUBBER STAMP).
3. REF PCBA WORKMANSHIP STANDARD 170450.

D | C | B | A

ITEM NO.	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION

MATERIAL LIST

NEXT ASSY	QTY	MODEL	QTY
211541		4143	-

APPLICATION

UNLESS OTHERWISE SPECIFIED

1. TOLERANCES
   .xx ±.030 ANGULAR
   .xxx ±.010 0°30
2. REMOVE ALL BURRS
3. BREAK ALL SHARP EDGES .010 APPROX
4. MACH SURFACES 125 OR BETTER
5. INTERPRET DWG PER MIL-D-1000
6. DIM ARE IN INCHES

DRAWN	[illegible]	5/5/78
CHECK	[illegible]	5-19-78
APPR	[illegible]	5-19-78
RELEASE	[illegible]	5/24/78

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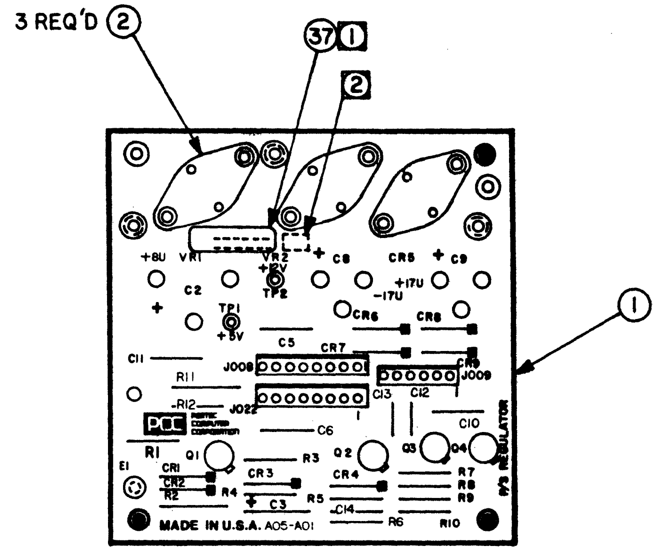
MATERIAL

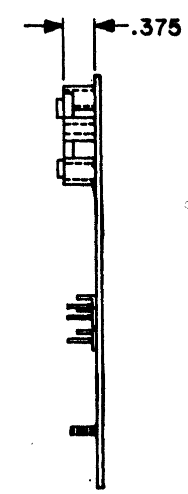
FINISH

PBS BUSINESS SYSTEMS
a division of Pertec Computer Corporation

TITLE PCBA, POWER SUPPLY REGULATOR

CODE IDENT NO.	SIZE	DWG NO	REV
D.C. CODE 10	D	261142	16
SCALE 1/1	DO NOT SCALE DWG	SHEET 1 OF 4	





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SIZE	DWG NO	REV
D	261142	16
DO NOT SCALE DWG	SHEET 2	

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 3 of 4 | ML Dwg. No. 261142 | Rev. 16

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
1						1	270341	PCB, POWER SUPPLY REGULATOR	
2						3	320324	SOCKET, TRANSISTOR, PC MTG T0-3	CR5, VR1, VR2
3						2	320004-042	TERMINAL, TURRET	TP1, TP2
4									
5									
6									
7						4	330007	DIODE, MR502	CR6, CR7, CR8, CR9
8									
9									
10									
11									
12									
13						1	320266-004	CONNECTOR	J009
14						2	320266-006	CONNECTOR	J008, J022
15									
16						5	300275-033	CAPACITOR .1UF, 50V, 20%	C14, C5, C6, C10, C11
17						1	300006-272	CAP, 2.7UF, 10%, 20V	C3
18									
19						3	330000	DIODE, 1N4446	CR1, CR2, CR3
20						1	330121	DIODE, ZENER, 1N5229B	CR4
21									
22						3	500070	TRANSISTOR, 2N2222	Q2, Q3, Q4
23						1	500025	TRANSISTOR, 2N2907	Q1

790406-02

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet of 4 | ML Dwg. No. 261142 | Rev. 16

Item No.	Quantity Required					-000	Part No.	Nomenclature or Description	Reference Designation
24									
25						1	470123-003	RES, 100 OHMS, ±5%, 1/4W	R3
26						1	470123-072	RES, 680 OHMS, ±5%, 1/4W	R7
27						4	470123-004	RES, 1K OHM, ±5%, 1/4W.	R5, R6, R8, R10
28						1	470123-079	RES, 8.2K OHMS, ±5%, 1/4W	R4
29									
30						1	470002-101	RES, 100 OHMS, 10%, 1W	R2
31						1	470021-471	RES, 470 OHMS ± 5%, 1W	R11
32						1	470123-002	RES, 10 OHMS ± 5%, 1/4W	R12
33						2	470123-061	RES, 47K OHMS ± 5%, 1/4W	R1, R9
34									
35									
36									
37						1	290231	LABEL, PCBA IDENT	
38									
39									
40									
41									
42						2	300000-103	CAP, .01 UF, 20% 1KV	C12, C13

790406-02

REVISIONS				
SYM	DESCRIPTION	DRFTG	APPROVED	DATE
[illegible]	RELEASE PER DRO [illegible]		[illegible]	[illegible]
[illegible]	[illegible]		[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
05	[illegible]	[illegible]	[illegible]	[illegible]
06	[illegible] 09718	[illegible]	[illegible]	[illegible]
07	[illegible] 10437	[illegible]	[illegible]	[illegible]

LEGEND FOR TYPES OF CHANGES:
- A = MANDATORY
- B = PHASE IN
- C = RECORD
- X = DOCUMENT REVISION LEVEL AT THE TIME CONFIGURATION IS ESTABLISHED

CONFIGURATION DESIGNATOR	CONFIG. CONSISTS OF DRAWING NO'S		CONFIGURATIONS AFFECTED BY REV LEVELS (SEE LEGEND FOR CODING)																			
			01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20
1	PCBA	261159	X	B	-		A	A	B													
	PCB	270788	X	C																		
	EM	150595	X	C																		
	SM	141080	X	C																		
	SS	141081	X	C																		
	SCHEM	121173	X	C	C	C	C	C	C													
2	PCBA	261159				X	A	A	B													
	PCB	270812		X																		
	EM	150619	X																			
	SM	141143	X																			
	SS	141144	X																			
	SCHEM	121173			X	C	C	C	C													

NOTE: UNLESS OTHERWISE SPECIFIED

1. APPLY PCBA IDENTIFICATION LABEL (ITEM 11) APPROX WHERE SHOWN.
2. MARK APPROPRIATE REV NUMBER WHERE SHOWN PER SPEC 100034 (RUBBER STAMP).
3. REFERENCE PCBA WORKMANSHIP STANDARD 170450.

FOR REWORK INSTRUCTIONS SEE SHEET 3

		3143	
203315	1	4143	-
NEXT ASSY	QTY	MODEL	QTY
APPLICATION			

DRAWN	[illegible]	[illegible]
CHECK	[illegible]	[illegible]
APPR	[illegible]	11-10 78
RELEASE	[illegible]	11/15/78

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PCC BUSINESS SYSTEMS

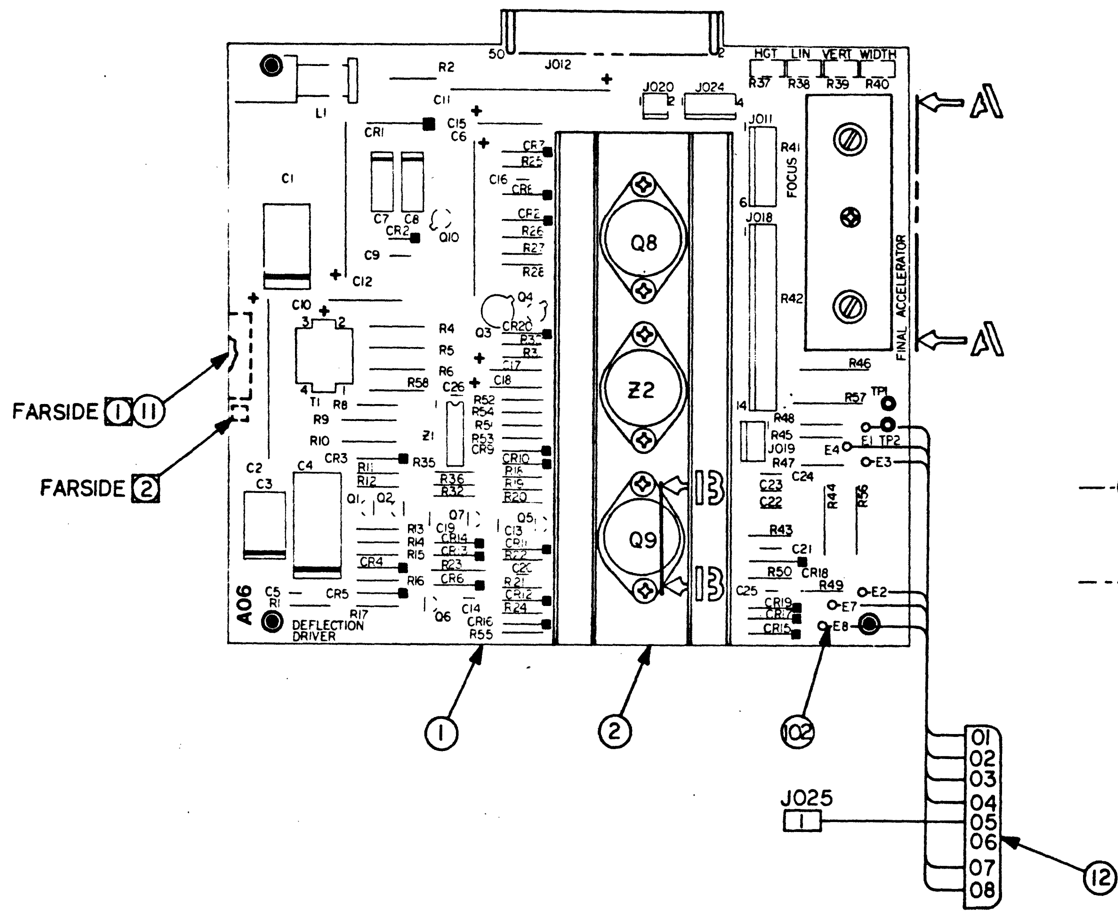
a division of Pertec Computer Corporation

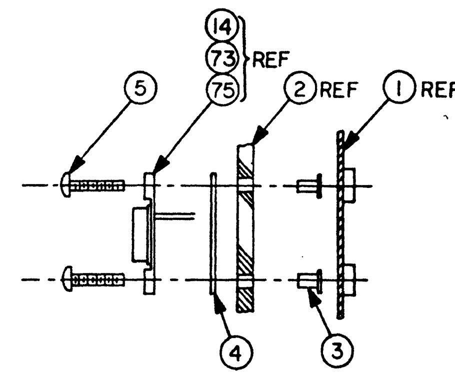
TITLE PCBA, DEFLECTION DRIVER

CODE IDENT NO.	SIZE	DWG NO	REV
DC CODE 06	D	261159	07
SCALE —	DO NOT SCALE DWG	SHEET 1	OF 8

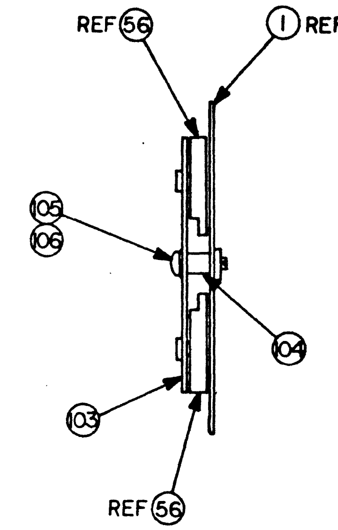
8 7 6 5 4 3 2 1

D C B A





SECTION B-B



VIEW A-A

WIRE LIST		
FROM	TO	WIRE COLOR
P015-01	E1	BROWN
P015-02	E2	GREEN
P015-03	E3	RED
P015-04	E4	BLUE
P015-05		WHITE
P015-06		
P015-07	E7	YELLOW
P015-08	E8	BROWN

SIZE	DWG NO	REV
D	261159	07
DO NOT SCALE DWG	SHEET 2	

FORMAT #5

REV 06

REWORK INSTRUCTIONS CONFIG 1&2

ON COMPONENT SIDE

AT LOCATION C21 REMOVE CAPACITOR (300000-103)

AT LOCATION C16 REMOVE CAPACITOR (300009-103)

AT LOCATION CR18 REMOVE DIODE (P/N 330171-001) AND INSTALL (P/N 330172-001)

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SIZE	DWG NO	REV
D	261159	07

DO NOT SCALE DWG | SHEET 3

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 4 of 8 | ML Dwg. No. 261159 | Rev. 07

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
1	1	270812	PCB, DEFLECTION DRIVER	
2	1	241885	HEATSINK P/S DEFLECTION DRIVER	
3	6	370645	INSULATOR, FIBRE SHOULDER WASHER	
4	3	350132-001	INSULATOR, TRANSISTOR SILICONE	
5	6	370036-610	SCREW, PAN HEAD LOCKING	
6	1	320266-002	CONN, .045 RND PIN, PCB MOUNT	J020
7	1	320266-003	CONN, .045 RND PIN, PCB MOUNT	J024
8	1	320266-004	CONN, .045 RND PIN, PCB MOUNT	J011
9	2	320004-042	TERMINAL, TURRET	TP1, TP2
10	1	320266-009	CONN, .045 RND PIN, PCB MOUNT	J019
11	1	290231	LABEL, PCBA INDENTIFICATION	
12	1	211472	CABLE ASSY, CRT	
13	1	380102	IC, 74H04	Z1
14	1	380863	IC, LM7908	Z2
15	1	320266-008	CONN, .045 RND PIN, PCB MOUNT	J018
16				
17				
18				
19	1	470000-101	RES, 100 OHMS ± 10%, 1/4W	R55
20	1	470000-221	RES, 220 OHMS, 1/4W, 10%	R30
21	6	470000-271	RES, 270 OHMS, 1/4W, 10%	R15, R18, R19, R51, R52, R28
22	1	470000-331	RES, 330 OHMS, 1/4W, 10%	R21

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 5 of | ML Dwg. No. 261159 | Rev. 07

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
23	3	470000-391	RES, 390 OHMS, 1/4W, 10%	R8, R53, R54
24	7	470000-471	RES, 470 OHMS, 1/4W, 10%	R1, R11, R20, R26, R32, R35, R36
25	1	470072-821	RES, 820 OHMS, 2W, 5% W.W.	R23
26				
27	1	470000-102	RES, 1K OHMS, 1/4W, 10%	R31
28	1	470001-272	RES, 2.7K OHMS, 1/2W, 10%	R22
29	1	470000-222	RES, 2.2K OHMS, 1/4W, 10%	R27
30				
31	1	470000-472	RES, 4.7K OHMS, 1/4W, 10%	R17
32	2	470000-822	RES, 8.2K OHMS, 1/4W, 10%	R12, R16
33	5	470000-103	RES, 10K OHMS, 1/4W, 10%	R24, R43, R45, R47, R49
34	1	470000-563	RES, 56K OHMS, 1/4W, 10%	R50
35				
36	2	470000-104	RES, 100K OHMS, 1/4W, 10%	R13, R14
37				
38	1	470000-225	RES, 2.2M OHMS, 1/4W, 10%	R48
39				
40	1	470041-750	RES, 75 OHMS, 1/2W, 5%	R25
41	1	470072-100	RES, 10 OHM, 2W, 5% W.W.	R58
42				
43				
44				

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 6 | ML Dwg. No. 261159 | Rev. 07

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
45	2	470013-010	RES, 0.1 OHMS, 2W, 10%, W.W.	R2, R4
46	1	470013-330	RES, 3.3 OHMS, 2W, 10%, W.W.	R9
47	1	470042-335	RES, 3.3 MEG, 2W, 5%	R46
48	2	470072-271	RES, 270 OHMS, 2W, 5%, W.W.	R5, R6
49	1	470042-105	RES, 1 MEG, 2W, 5%	R44
50	1	470072-680	RES, 68 OHMS, 2W, 5%, W.W.	R10
51	2	470042-225	RES, 2.2MEG, 2W, 5%	R56, R57
52	1	470107-000	RES, POT 100 OHMS, 1/2W, 10%	R37
53	1	470107-002	RES, POT 10K, 1/2W, 10%	R38
54	1	470107-004	RES, POT 100K, 1/2W, 10%	R39
55	1	470107-006	RES, POT 500 OHMS, 1/2W, 10%	R40
56	2	470109	RES, POT 10M, 3KV, 1W, 30%	R41, R42
57				
58				
59	1	330024	DIODE, 1N4004	CR2
60	1	330170-001	DIODE, 800V HIGH SPEED	CR8
61	13	330000	DIODE, 1N4446	CR3, CR5, CR6, CR9 THRU CR14, CR16, CR17, CR20, CR21
62	1	330147	DIODE, MR854	CR1
63	1	330137	DIODE, 1N5250B	CR4
64	1	330067	DIODE, 1N5258B	CR19
65	1	330078	DIODE, 1N5252B	CR15
66	1	330172-001	DIODE, 10KV HIGH SPEED	CR18

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 7 | ML Dwg. No. 261159 | Rev. 07

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
67	1	330148	DIODE, 1N4753	CR7
68	1	500070	TRANSISTOR, 2N2222	Q4
69				
70				
71	1	500025	TRANSISTOR, 2N2907	Q10
72	1	500076	TRANSISTOR, 2N3019	Q3
73	1	500006	TRANSISTOR, 2N3055	Q9
74	1	500078	TRANSISTOR, 2N6027	Q2
75	1	500415	TRANSISTOR, 2N6307	Q8
76	1	300233-153	CAP, .015UF, 200V, 10%	C7
77	1	500077	TRANSISTOR, MPS-A14	Q1
78	3	500416	TRANSISTOR, MPS-H34	Q5, Q6, Q7
79	1	300233-473	CAP, .047UF, 10%, 200V	C8
80	1	300003-181	CAP, 180PF, 5%, 500V	C20
81	1	300000-102	CAP, 1000PF, 20%, 1KV	C5
82	3	300000-103	CAP, .01UF, 20%, 1KV	C9, C23, C24
83	1	300000-203	CAP, .02UF, 20%, 1KV	C22
84	1	300239-224	CAP, .22UF, 10%, 100V	C3
85	1	300239-684	CAP, .68UF, 10%, 100V	C4
86	1	300009-103	CAP, .01UF, 20%, 100V	C25
87	1	300267-000	CAP, 3.3UF, 20%, 50V	C15
88	2	300003-910	CAP, 91PF, 5%, 500V	C13, C19
89	1	300006-153	CAP, 15UF, 10%, 20V	C17

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 8 | ML Dwg. No. 261159 | Rev. 07

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation
90	1	300004-104	CAP, .1UF, 20%, 50V	C14
91	1	300012-501	CAP, 500UF -10%, +75%, 10V	C2
92	1	300234-256	CAP, 25UF, +75% -10%, 25V	C10
93				
94	1	300274-000	CAP, 150UF, 25V, +75 -20%	C12
95	1	300206-503	CAP, .05UF, +80 - 20%, 10V	C26
96	1	300238-205	CAP, 2.0UF, 10%, 100V	C1
97	1	300013-682	CAP, 6.8UF, 20%, 35V	C18
98	2	300274-001	CAP, 250UF, 15V, +75 -20%	C6, C11
99				
100	1	490033	TRANSFORMER, COUPLING	T1
101	1	490104	INDUCTOR, HOR LINEARITY 4143	L1
102	AR	420001-125	TUBING, SHRINK	
103	1	241968	COVER, POT	
104	1	370464-043	SPACER, PHENOLIC	
105	1	370036-610	SCREW	
106	1	370002-600	WASHER, FLAT	

790406-03

NOTE: UNLESS OTHERWISE SPECIFIED.

1 REFERENCE DESIGNATIONS GIVEN ARE SWITCH LOCATIONS ON THE KEYBOARD PCBA.

TABULATION

DASH NUMBER	COUNTRY
-000	USA
-001	SWEDEN/FINLAND
-002	DENMARK/NORWAY
-003	USA (1800)
-004	TURKEY
-005	GERMANY
-006	GREEK
-007	SPAIN
-008	FRANCE (AZERTY)
-009	USA (CMC)
-010	UNITED KINGDOM (KODE)
-011	USA (UNIVAC)
-012	ASCII (UNIVAC)

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SIZE	DWG NO.	REV
A	420196	24
		SHEET 2

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REVISIONS

SYM	DESCRIPTION	DRFTS	APPVD	DATE
21	INCORP DCO 08260	MS	TLR EB	11/9/78 R
22	INCORP DCO 08872	MS	EB	3/12/79 R
23	INCORP DCO 08874	MS	CL EB	4/6/79 R
24	INCORP DCO 09049	MS	EB	5/1/79 R
25	INCORP DCO 10602	BM/LM	EB	1/8/80 R

APPLICATION

NEXT ASSY	MODEL
	XL40
	1800
	4141
	4143

FOR NOTES AND TABULATION BLOCK SEE SHEET 2

SHEET															
REV															
SHEET															
REV															
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REV															
SHEET	26S	27	28	29	30	31	32	33	34	35	36	37	38	39	
REV	25	24	18	18	18	18	19	18	18	20	21	22	23	24	
SHEET	26	26A	26B	26C	26D	26E	26F	26G	26H	26J	26K	26L	26M	26N	26R
REV	18	20	20	20	21	21	21	22	22	22	23	23	25	24	24
SHEET	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
REV	15	15	18	15	15	18	15	15	19	15	15	18	17	17	
REV STATUS OF SHEETS	SHEET			1	2	3	4	5	6	7	8	9	10	11	
	REV			25	24	15	15	18	15	15	18	15	15	18	

DRAWN	mv Simmons/	9/13/76
CHECK	J. Norton	9/22/76
APPR	Stephenson	9/22/76
RELEASE	G. Brink	9/22/76

PCC BUSINESS SYSTEMS

TITLE

KEYTOP SETS, KEYPUNCH

LEGEND:

CHANGE, ADDITION OR DELETION = |

DELETION OF SHEET = △D

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 06	A	420196	25
SCALE None	DO NOT SCALE DWG	SHEET 1	OF 39

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval: | Sheet 3 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420169-804	KEYTOP	S2
2	1	420169-701	KEYTOP	S3
3	1	420169-702	KEYTOP	S4
4	1	420169-703	KEYTOP	S5
5	1	420169-704	KEYTOP	S6
6	1	420169-705	KEYTOP	S7
7	1	420169-706	KEYTOP	S8
8	1	420169-707	KEYTOP	S9
9	1	420169-708	KEYTOP	S10
10	1	420169-709	KEYTOP	S11
11	1	420169-710	KEYTOP	S12
12	1	420169-711	KEYTOP	S13
13	1	420169-712	KEYTOP	S14
14	1	420169-713	KEYTOP	S21
15	1	420169-714	KEYTOP	S22
16	1	420169-715	KEYTOP	S23
17	1	420169-716	KEYTOP	S24
18	1	420169-717	KEYTOP	S25
19	1	420169-718	KEYTOP	S26
20	1	420169-719	KEYTOP	S27
21	1	420169-720	KEYTOP	S28

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval: | Sheet 4 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation (1)
22	1	420169-721	KEYTOP	S29
23	1	420169-722	KEYTOP	S30
24	1	420169-723	KEYTOP	S31
25	1	420169-812	KEYTOP	S32
26	1	420169-816	KEYTOP	S38
27	1	420169-724	KEYTOP	S39
28	1	420169-725	KEYTOP	S40
29	1	420169-726	KEYTOP	S41
30	1	420169-727	KEYTOP	S42
31	1	420169-728	KEYTOP	S43
32	1	420169-729	KEYTOP	S44
33	1	420169-730	KEYTOP	S45
34	1	420169-731	KEYTOP	S46
35	1	420169-732	KEYTOP	S47
36	1	420169-733	KEYTOP	S48
37	1	420169-734	KEYTOP	S49
38	1	420169-805	KEYTOP	S56
39	1	420169-735	KEYTOP	S57
40	1	420169-736	KEYTOP	S58
41	1	420169-737	KEYTOP	S59
42	1	420169-738	KEYTOP	S60

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval: | Sheet 5 | ML Dwg. No. 420196 | Rev. 18

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation (1)
43	1	420169-739	KEYTOP	S61
44	1	420169-740	KEYTOP	S62
45	1	420169-741	KEYTOP	S63
46	1	420169-742	KEYTOP	S64
47	1	420169-743	KEYTOP	S65
48	1	420169-744	KEYTOP	S66
49	1	420169-808	KEYTOP	S67
50	1	420169-806	KEYTOP	S73
51	1	420169-745	KEYTOP	S74
52	1	220336-005	KEYTOP	S77
53	1	420169-746	KEYTOP	S80
54	1	420169-807	KEYTOP	S81

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval: | Sheet 6 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required -001	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420169-804	KEYTOP	S2
2	1	420169-701		S3
3	1	420169-702		S4
4	1	420169-703		S5
5	1	420169-704		S6
6	1	420169-705		S7
7	1	420169-706		S8
8	1	420169-707		S9
9	1	420169-708		S10
10	1	420169-709		S11
11	1	420169-710		S12
12	1	420169-711		S13
13	1	420169-712		S14
14	1	420169-713		S21
15	1	420169-714		S22
16	1	420169-715		S23
17	1	420169-716		S24
18	1	420169-717		S25
19	1	420169-718		S26
20	1	420169-719		S27
21	1	420169-720	KEYTOP	S28

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval: | Sheet 7 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required -001	Part No.	Nomenclature or Description	Reference Designation (1)
22	1	429169-721	KEYTOP	S29
23	1	420169-722		S30
24	1	420169-723		S31
25	1	420169-812		S32
26	1	420169-816		S38
27	1	420169-724		S39
28	1	420169-725		S40
29	1	420169-726		S41
30	1	420169-727		S42
31	1	420169-728		S43
32	1	420169-729		S44
33	1	420169-730		S45
34	1	420169-731		S46
35	1	420169-732		S47
36	1	420169-733		S48
37	1	420169-734		S49
38	1	420169-805		S56
39	1	420169-735		S57
40	1	420169-736		S58
41	1	420169-737		S59
42	1	420169-738	KEYTOP	S60

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval: | Sheet 8 | ML Dwg. No. 420196 | Rev. 18

Item No.	Quantity Required -001	Part No.	Nomenclature or Description	Reference Designation (1)
43	1	420169-739	KEYTOP	S61
44	1	420169-740		S62
45	1	420169-741		S63
46	1	420169-880		S64
47	1	420169-881		S65
48	1	420169-882		S66
49	1	420169-808		S67
50	1	420169-806		S73
51	1	420169-745	KEYTOP	S74
52	1	220336-005	KEYTOP	S77
53	1	420169-746	KEYTOP	S80
54	1	420169-807	KEYTOP	S81

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval | Sheet 9 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-002			
1						1	420169-804	KEYTOP	S2
2						1	420169-701		S3
3						1	420169-702		S4
4						1	420169-703		S5
5						1	420169-704		S6
6						1	420169-705		S7
7						1	420169-706		S8
8						1	420169-707		S9
9						1	420169-708		S10
10						1	420169-709		S11
11						1	420169-710		S12
12						1	420169-711		S13
13						1	420169-712		S14
14						1	420169-713		S21
15						1	420169-714		S22
16						1	420169-715		S23
17						1	420169-716		S24
18						1	420169-717		S25
19						1	420169-718		S26
20						1	420169-719		S27
21						1	420169-720	KEYTOP	S28

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval | Sheet 10 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-002			
22						1	420169-721	KEYTOP	S29
23						1	420169-722		S30
24						1	420169-723		S31
25						1	420169-812		S32
26						1	420169-816		S38
27						1	420169-724		S39
28						1	420169-725		S40
29						1	420169-726		S41
30						1	420169-727		S42
31						1	420169-728		S43
32						1	420169-729		S44
33						1	4290169-730		S45
34						1	420169-731		S46
35						1	420169-732		S47
36						1	420169-733		S48
37						1	420169-734		S49
38						1	420169-805		S56
39						1	420169-735		S57
40						1	420169-736		S58
41						1	420169-737		S59
42						1	420169-738	KEYTOP	S60

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval | Sheet 11 | ML Dwg. No. 420196 | Rev. 18

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-002			
43						1	420169-739	KEYTOP	S61
44						1	420169-740		S62
45						1	420169-741		S63
46						1	420169-880		S64
47						1	420169-883		S65
48						1	420169-884		S66
49						1	420169-808		S67
50						1	420169-806		S73
51						1	420169-745	KEYTOP	S74
52						1	220336-005	KEYTOP	S77
53						1	420169-746	KEYTOP	S80
54						1	420169-807	KEYTOP	S81

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval | Sheet 12 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-003			
1						1	420169-932	KEYTOP	S2
2						1	933		S3
3						1	934		S4
4						1	935		S5
5						1	936		S6
6						1	911		S7
7						1	912		S8
8						1	947		S9
9						1	937		S10
10						1	913		S11
11						1	825		S12
12						1	886		S13
13						1	914		S14
14						1	713		S21
15						1	714		S22
16						1	715		S23
17						1	716		S24
18						1	938		S25
19						1	718		S26
20						1	420169-719	KEYTOP	S27

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval | Sheet 13 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-003			
21						1	420169-720	KEYTOP	S28
22						1	721		S29
23						1	722		S30
24						1	915		S31
25						1	916		S32
26						1	816		S38
27						1	724		S39
28						1	725		S40
29						1	726		S41
30						1	727		S42
31						1	728		S43
32						1	729		S44
33						1	730		S45
34						1	731		S46
35						1	732		S47
36						1	939		S48
37						1	940		S49
38						1	805		S56
39						1	735		S57
40						1	420169-736	KEYTOP	S58

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, KEYPUNCH | Advance Approval | Sheet 14 | ML Dwg. No. 420196 | Rev. 18

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-003			
41						1	420169-737	KEYTOP	S59
42						1	738		S60
43						1	739		S61
44						1	740		S62
45						1	741		S63
46						1	941		S64
47						1	942		S65
48						1	943		S66
49						1	808		S67
50						1	902		S73
51						2	420169-890	KEYTOP	S74, S80
52						1	220336-005	KEYTOP	S77
53						1	420169-944	KEYTOP	S81
54						1	420169-746	KEYTOP	S80

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 15 — ML Dwg. No. 420196 — Rev. 15

Item No.	Quantity Required -004	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420169-804	KEYTOP	S2
2	1	420169-950	KEYTOP	S3
3	1	420169-951	KEYTOP	S4
4	1	420169-952	KEYTOP	S5
5	1	420169-953	KEYTOP	S6
6	1	420169-705	KEYTOP	S7
7	1	420169-706	KEYTOP	S8
8	1	420169-954	KEYTOP	S9
9	1	420169-955	KEYTOP	S10
10	1	420169-709	KEYTOP	S11
11	1	420169-710	KEYTOP	S12
12	1	420169-711	KEYTOP	S13
13	1	420169-712	KEYTOP	S14
14	1	420169-956	KEYTOP	S21
15	1	420169-957	KEYTOP	S22
16	1	420169-958	KEYTOP	S23
17	1	420169-959	KEYTOP	S24
18	1	420169-960	KEYTOP	S25
19	1	420169-961	KEYTOP	S26
20	1	420169-962	KEYTOP	S27
21	1	420169-963	KEYTOP	S28
22	1	420169-964	KEYTOP	S29
23	1	420169-722	KEYTOP	S30

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 16 — ML Dwg. No. 420196 — Rev. 15

Item No.	Quantity Required -004	Part No.	Nomenclature or Description	Reference Designation (1)
24	1	420169-723	KEYTOP	S31
25	1	420169-812	KEYTOP	S32
26	1	420169-818	KEYTOP	S38
27	1	420169-965	KEYTOP	S39
28	1	420169-966	KEYTOP	S40
29	1	420169-967	KEYTOP	S41
30	1	420169-968	KEYTOP	S42
31	1	420169-969	KEYTOP	S43
32	1	420169-970	KEYTOP	S44
33	1	420169-971	KEYTOP	S45
34	1	420169-972	KEYTOP	S46
35	1	420169-732	KEYTOP	S47
36	1	420169-733	KEYTOP	S48
37	1	420169-734	KEYTOP	S49
38	1	420169-805	KEYTOP	S56
39	1	420169-973	KEYTOP	S57
40	1	420169-974	KEYTOP	S58
41	1	420169-949	KEYTOP	S59
42	1	420169-975	KEYTOP	S60
43	1	420169-976	KEYTOP	S61
44	1	420169-977	KEYTOP	S62
45	1	420169-978	KEYTOP	S63
46	1	420169-979	KEYTOP	S64

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 17 — ML Dwg. No. 420196 — Rev. 18

Item No.	Quantity Required -004	Part No.	Nomenclature or Description	Reference Designation (1)
47	1	420169-980	KEYTOP	S65
48	1	420169-744	KEYTOP	S66
49	1	420169-808	KEYTOP	S67
50	1	420169-806	KEYTOP	S73
51	1	420169-745	KEYTOP	S74
52	1	220336-005	KEYTOP	S77
53	1	420169-746	KEYTOP	S80
54	1	420169-807	KEYTOP	S81

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 18 — ML Dwg. No. 420196 — Rev. 15

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420214-001	KEYTOP	S2
2	1	420214-002	KEYTOP	S3
3	1	420214-003	KEYTOP	S4
4	1	420214-004	KEYTOP	S5
5	1	420214-005	KEYTOP	S6
6	1	420214-006	KEYTOP	S7
7	1	420214-007	KEYTOP	S8
8	1	420214-008	KEYTOP	S9
9	1	420214-009	KEYTOP	S10
10	1	420214-010	KEYTOP	S11
11	1	420214-011	KEYTOP	S12
12	1	420214-012	KEYTOP	S13
13	1	420214-013	KEYTOP	S14
14	1	420214-014	KEYTOP	S21
15	1	420214-015	KEYTOP	S22
16	1	420214-016	KEYTOP	S23
17	1	420214-017	KEYTOP	S24
18	1	420214-018	KEYTOP	S25
19	1	420214-019	KEYTOP	S26
20	1	420214-020	KEYTOP	S27
21	1	420214-021	KEYTOP	S28
22	1	420214-022	KEYTOP	S29
23	1	420214-023	KEYTOP	S30

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 19 — ML Dwg. No. 420196 — Rev. 15

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	Reference Designation (1)
24	1	420214-024	KEYTOP	S31
25	1	420214-025	KEYTOP	S32
26	1	420214-026	KEYTOP	S38
27	1	420214-027	KEYTOP	S39
28	1	420214-028	KEYTOP	S40
29	1	420214-029	KEYTOP	S41
30	1	420214-030	KEYTOP	S42
31	1	420214-031	KEYTOP	S43
32	1	420214-032	KEYTOP	S44
33	1	420214-033	KEYTOP	S45
34	1	420214-034	KEYTOP	S46
35	1	420214-035	KEYTOP	S47
36	1	420214-036	KEYTOP	S48
37	1	420214-037	KEYTOP	S49
38	1	420214-038	KEYTOP	S56
39	1	420214-039	KEYTOP	S57
40	1	420214-040	KEYTOP	S58
41	1	420214-041	KEYTOP	S59
42	1	420214-042	KEYTOP	S60
43	1	420214-043	KEYTOP	S61
44	1	420214-044	KEYTOP	S62
45	1	420214-045	KEYTOP	S63
46	1	420214-046	KEYTOP	S64

PCC BUSINESS SYSTEMS — MATERIAL LIST — Sheet 20 — ML Dwg. No. 420196 — Rev. 19

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	Reference Designation (1)
47	1	420214-047	KEYTOP	S65
48	1	420214-048	KEYTOP	S66
49	1	420214-049	KEYTOP	S67
50	1	420214-050	KEYTOP	S73
51	1	420214-051	KEYTOP	S74
52	1	220336-009	KEYTOP	S77
53	1	420214-052	KEYTOP	S80
54	1	420214-215	KEYTOP	S81

BUSINESS SYSTEMS

MATERIAL LIST

Sheet 21 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required -006	Part No.	Nomenclature or Description	Reference Designation (1)
24	1	420169-723	KEYTOP	S31
25	1	420169-812	KEYTOP	S32
26	1	420169-816	KEYTOP	S38
27	1	420217-163	KEYTOP	S39
28	1	420217-164	KEYTOP	S40
29	1	420217-165	KEYTOP	S41
30	1	420217-166	KEYTOP	S42
31	1	420217-167	KEYTOP	S43
32	1	420217-168	KEYTOP	S44
33	1	420217-169	KEYTOP	S45
34	1	420217-170	KEYTOP	S46
35	1	420217-171	KEYTOP	S47
36	1	420169-733	KEYTOP	S48
37	1	420169-734	KEYTOP	S49
38	1	420169-805	KEYTOP	S56
39	1	420217-172	KEYTOP	S57
40	1	420217-173	KEYTOP	S58
41	1	420217-174	KEYTOP	S59
42	1	420217-175	KEYTOP	S60
43	1	420217-176	KEYTOP	S61
44	1	420217-177	KEYTOP	S62
45	1	420217-178	KEYTOP	S63
46	1	420169-742	KEYTOP	S64

BUSINESS SYSTEMS

MATERIAL LIST

Sheet 22 | ML Dwg. No. 420196 | Rev. 15

Item No.	Quantity Required -006	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420169-804	KEYTOP	S2
2	1	420169-701	KEYTOP	S3
3	1	420169-702	KEYTOP	S4
4	1	420169-703	KEYTOP	S5
5	1	420169-704	KEYTOP	S6
6	1	420169-705	KEYTOP	S7
7	1	420169-706	KEYTOP	S8
8	1	420169-707	KEYTOP	S9
9	1	420169-708	KEYTOP	S10
10	1	420169-709	KEYTOP	S11
11	1	420169-710	KEYTOP	S12
12	1	420169-711	KEYTOP	S13
13	1	420169-712	KEYTOP	S14
14	1	420217-153	KEYTOP	S21
15	1	420217-154	KEYTOP	S22
16	1	420217-155	KEYTOP	S23
17	1	420217-156	KEYTOP	S24
18	1	420217-157	KEYTOP	S25
19	1	420217-158	KEYTOP	S26
20	1	420217-159	KEYTOP	S27
21	1	420217-160	KEYTOP	S28
22	1	420217-161	KEYTOP	S29
23	1	420217-162	KEYTOP	S30

BUSINESS SYSTEMS

MATERIAL LIST

Sheet 23 | ML Dwg. No. 420196 | Rev. 18

Item No.	Quantity Required -006	Part No.	Nomenclature or Description	Reference Designation (1)
47	1	420169-743	KEYTOP	S65
48	1	420169-744	KEYTOP	S66
49	1	420169-808	KEYTOP	S67
50	1	420169-806	KEYTOP	S73
51	1	420169-745	KEYTOP	S74
52	1	220336-005	KEYTOP	S77
53	1	420169-746	KEYTOP	S80
54	1	420169-807	KEYTOP	S81

BUSINESS SYSTEMS

MATERIAL LIST

Sheet 24 | ML Dwg. No. 420196 | Rev. 17

Item No.	Quantity Required -007	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420217-184	KEYTOP	S2
2	1	420217-179	KEYTOP	S3
3	1	420169-702	KEYTOP	S4
4	1	420217-180	KEYTOP	S5
5	1	420169-704	KEYTOP	S6
6	1	420169-705	KEYTOP	S7
7	1	420169-706	KEYTOP	S8
8	1	420169-707	KEYTOP	S9
9	1	420169-708	KEYTOP	S10
10	1	420217-185	KEYTOP	S11
11	1	420217-186	KEYTOP	S12
12	1	420217-187	KEYTOP	S13
13	1	420217-188	KEYTOP	S14
14	1	420169-713	KEYTOP	S21
15	1	420169-714	KEYTOP	S22
16	1	420169-715	KEYTOP	S23
17	1	420169-716	KEYTOP	S24
18	1	420169-717	KEYTOP	S25
19	1	420169-718	KEYTOP	S26
20	1	420169-719	KEYTOP	S27
21	1	420169-720	KEYTOP	S28
22	1	420169-721	KEYTOP	S29
23	1	420169-722	KEYTOP	S30

BUSINESS SYSTEMS

MATERIAL LIST

Sheet 25 | ML Dwg. No. 420196 | Rev. 17

Item No.	Quantity Required -007	Part No.	Nomenclature or Description	Reference Designation (1)
24	1	420217-189	KEYTOP	S31
25	1	420217-190	KEYTOP	S32
26	1	420217-191	KEYTOP	S38
27	1	420169-724	KEYTOP	S39
28	1	420169-725	KEYTOP	S40
29	1	420169-726	KEYTOP	S41
30	1	420169-727	KEYTOP	S42
31	1	420169-728	KEYTOP	S43
32	1	420169-729	KEYTOP	S44
33	1	420169-730	KEYTOP	S45
34	1	420169-731	KEYTOP	S46
35	1	420169-732	KEYTOP	S47
36	1	420217-192	KEYTOP	S48
37	1	420217-193	KEYTOP	S49
38	1	420169-805	KEYTOP	S56
39	1	420169-735	KEYTOP	S57
40	1	420169-736	KEYTOP	S58
41	1	420169-737	KEYTOP	S59
42	1	420169-738	KEYTOP	S60
43	1	420169-739	KEYTOP	S61
44	1	420169-740	KEYTOP	S62
45	1	420169-741	KEYTOP	S63
46	1	420169-742	KEYTOP	S64

BUSINESS SYSTEMS

MATERIAL LIST

Sheet 26 | ML Dwg. No. 420196 | Rev. 18

Item No.	Quantity Required -007	Part No.	Nomenclature or Description	Reference Designation (1)
47	1	420169-743	KEYTOP	S65
48	1	420217-194	KEYTOP	S66
49	1	420217-195	KEYTOP	S67
50	1	420217-196	KEYTOP	S73
51	1	420217-197	KEYTOP	S74
52	1	220336-005	KEYTOP	S77
53	1	420217-198	KEYTOP	S80
54	1	420217-199	KEYTOP	S81
55				

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 26A | ML Dwg. No. 420196 | Rev. 20

Item No.	Quantity Required -008	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420217-217	KEYTOP	S2
2	1	420169-701	KEYTOP	S3
3	1	420169-702	KEYTOP	S4
4	1	420169-703	KEYTOP	S5
5	1	420169-704	KEYTOP	S6
6	1	420169-705	KEYTOP	S7
7	1	420169-706	KEYTOP	S8
8	1	420169-707	KEYTOP	S9
9	1	420169-708	KEYTOP	S10
10	1	420217-218	KEYTOP	S11
11	1	420217-219	KEYTOP	S12
12	1	420169-711	KEYTOP	S13
13	1	420169-712	KEYTOP	S14
14	1	420217-220	KEYTOP	S21
15	1	420217-221	KEYTOP	S22
16	1	420169-715	KEYTOP	S23
17	1	420169-716	KEYTOP	S24
18	1	420169-717	KEYTOP	S25
19	1	420169-718	KEYTOP	S26
20	1	420169-719	KEYTOP	S27
21	1	420169-720	KEYTOP	S28
22	1	420169-721	KEYTOP	S29
23	1	420169-722	KEYTOP	S30

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 26B | ML Dwg. No. 420196 | Rev. 20

Item No.	Quantity Required -008	Part No.	Nomenclature or Description	Reference Designation (1)
24	1	420217-222	KEYTOP	S31
25	1	420217-223	KEYTOP	S32
26	1	420217-224	KEYTOP	S38
27	1	420217-225	KEYTOP	S39
28	1	420169-725	KEYTOP	S40
29	1	420169-726	KEYTOP	S41
30	1	420169-727	KEYTOP	S42
31	1	420169-728	KEYTOP	S43
32	1	420169-729	KEYTOP	S44
33	1	420169-730	KEYTOP	S45
34	1	420169-731	KEYTOP	S46
35	1	420169-732	KEYTOP	S47
36	1	420217-226	KEYTOP	S48
37	1	420217-227	KEYTOP	S49
38	1	420217-228	KEYTOP	S56
39	1	420217-229	KEYTOP	S57
40	1	420169-736	KEYTOP	S58
41	1	420169-737	KEYTOP	S59
42	1	420169-738	KEYTOP	S60
43	1	420169-739	KEYTOP	S61
44	1	420169-740	KEYTOP	S62
45	1	420169-741	KEYTOP	S63
46	1	420169-742	KEYTOP	S64

PCC BUSINESS SYSTEMS

MATERIAL LIST

Sheet 26C | ML Dwg. No. 420196 | Rev. 20

Item No.	Quantity Required -008	Part No.	Nomenclature or Description	Reference Designation (1)
47	1	420169-743	KEYTOP	S65
48	1	420169-744	KEYTOP	S66
49	1	420169-808	KEYTOP	S67
50	1	420169-806	KEYTOP	S73
51	1	420217-230	KEYTOP	S74
52	1	220336-005	KEYTOP	S77
53	1	420217-231	KEYTOP	S80
54	1	420217-232	KEYTOP	S81

PCC PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26D | ML Dwg. No. 420196 | Rev. 21

Item No.	Quantity Required -009	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420217-235	KEYTOP	S2
2	1	236		S3
3	1	237		S4
4	1	238		S5
5	1	239		S6
6	1	240		S7
7	1	241		S8
8	1	242		S9
9	1	243		S10
10	1	244		S11
11	1	245		S12
12	1	246		S13
13	1	247		S14
14	1	248		S21
15	1	249		S22
16	1	250		S23
17	1	251		S24
18	1	252		S25
19	1	253		S26
20	1	420217-254	KEYTOP	S27

PCC PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26E | ML Dwg. No. 420196 | Rev. 21

Item No.	Quantity Required -009	Part No.	Nomenclature or Description	Reference Designation (1)
21	1	420217-255	KEYTOP	S28
22	1	256		S29
23	1	257		S30
24	1	258		S31
25	1	259		S32
26	1	260		S38
27	1	261		S39
28	1	262		S40
29	1	263		S41
30	1	264		S42
31	1	265		S43
32	1	266		S44
33	1	267		S45
34	1	268		S46
35	1	269		S47
36	1	270		S48
37	1	271		S49
38	1	272		S56
39	1	273		S57
40	1	420217-274	KEYTOP	S58

PCC PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26F | ML Dwg. No. 420196 | Rev. 21

Item No.	Quantity Required -009	Part No.	Nomenclature or Description	Reference Designation (1)
41	1	420217-275	KEYTOP	S59
42	1	276		S60
43	1	277		S61
44	1	278		S62
45	1	279		S63
46	1	280		S64
47	1	281		S65
48	1	282		S66
49	1	283		S67
50	1	284		S73
51	1	420217-285	KEYTOP	S74
52	1	220336-011	KEYTOP	S77
53	1	420217-286	KEYTOP	S81
54	1	420217-287	KEYTOP	S80

PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26G — ML Dwg. No. 420196 — Rev. 22 — (1)

Item No.	Quantity Required -010	Part No.	Nomenclature or Description	Reference Designation
1	1	420169-804	KEYTOP	S2
2	1	420169-701		S3
3	1	420169-702		S4
4	1	420217-357		S5
5	1	420169-704		S6
6	1	420169-705		S7
7	1	420169-706		S8
8	1	420169-707		S9
9	1	420169-708		S10
10	1	420169-709		S11
11	1	420169-710		S12
12	1	420169-711		S13
13	1	420169-712		S14
14	1	420169-713		S21
15	1	420169-714		S22
16	1	420169-715		S23
17	1	420217-358		S24
18	1	420169-717		S25
19	1	420169-718		S26
20	1	420169-719		S27
21	1	420169-720	KEYTOP	S28

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26H — ML Dwg. No. 420196 — Rev. 22 — (1)

Item No.	Quantity Required -010	Part No.	Nomenclature or Description	Reference Designation
22	1	420169-721	KEYTOP	S29
23	1	420169-722		S30
24	1	420169-723		S31
25	1	420169-812		S32
26	1	420169-816		S38
27	1	420169-724		S39
28	1	420169-725		S40
29	1	420169-726		S41
30	1	420169-727		S42
31	1	420169-728		S43
32	1	420169-729		S44
33	1	420169-730		S45
34	1	420169-731		S46
35	1	420169-732		S47
36	1	420169-733		S48
37	1	420169-734		S49
38	1	420169-805		S56
39	1	420169-735		S57
40	1	420169-736		S58
41	1	420169-737		S59
42	1	420169-738	KEYTOP	S60

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26J — ML Dwg. No. 420196 — Rev. 22 — (1)

Item No.	Quantity Required -010	Part No.	Nomenclature or Description	Reference Designation
43	1	420169-739	KEYTOP	S61
44	1	420169-740		S62
45	1	420169-741		S63
46	1	420217-359		S64
47	1	420217-360		S65
48	1	420169-744		S66
49	1	420169-808		S67
50	1	420169-806		S73
51	1	420169-745		S74
52	1	220336-005		S77
53	1	420169-746		S80
54	1	420169-807	KEYTOP	S81

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26K — ML Dwg. No. 420196 — Rev. 23 — (1)

Item No.	Quantity Required -011	Part No.	Nomenclature or Description	Reference Designation
1	1	420214-495	KEYTOP	S2
2	1	-365		S3
3	1	-366		S4
4	1	-367		S5
5	1	-368		S6
6	1	-369		S7
7	1	-370		S8
8	1	-371		S9
9	1	-372		S10
10	1	-373		S11
11	1	-374		S12
12	1	-375		S13
13	1	-376		S14
14	1	-377		S21
15	1	-378		S22
16	1	-379		S23
17	1	-380		S24
18	1	-381		S25
19	1	420214-382	KEYTOP	S26

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26L — ML Dwg. No. 420196 — Rev. 23 — (1)

Item No.	Quantity Required -011	Part No.	Nomenclature or Description	Reference Designation
20	1	420214-383	KEYTOP	S27
21	1	-384		S28
22	1	-385		S29
23	1	-386		S30
24	1	-387		S31
25	1	-388		S32
26	1	-389		S38
27	1	-390		S39
28	1	-391		S40
29	1	-392		S41
30	1	-393		S42
31	1	-394		S43
32	1	-395		S44
33	1	-396		S45
34	1	-397		S46
35	1	-398		S47
36	1	-399		S48
37	1	-400		S49
38	1	420214-401	KEYTOP	S56

790406-03

PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26M — ML Dwg. No. 420196 — Rev. 25 — (1)

Item No.	Quantity Required -011	Part No.	Nomenclature or Description	Reference Designation
39	1	420214-402	KEYTOP	S57
40	1	-403		S58
41	1	-404		S59
42	1	-405		S60
43	1	-406		S61
44	1	-407		S62
45	1	-408		S63
46	1	-409		S64
47	1	-410		S65
48	1	-411		S66
49	1	-412		S67
50	1	-413		S73
51	1	420214-414		S74
52	1	220336-014		S77
53	1	420214-415		S80
54	1	420214-416	KEYTOP	S81

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26N | ML Dwg. No. 420196 | Rev. 24

Item No.	Quantity Required -012	Part No.	Nomenclature or Description	Reference Designation 1
1	1	420214-495	KEYTOP	S2
2	1	-365		S3
3	1	-366		S4
4	1	-367		S5
5	1	-368		S6
6	1	-369		S7
7	1	-370		S8
8	1	-371		S9
9	1	-372		S10
10	1	-373		S11
11	1	-374		S12
12	1	-375		S13
13	1	-376		S14
14	1	-377		S21
15	1	-378		S22
16	1	-379		S23
17	1	-496		S24
18	1	-381		S25
19	1	420214-497	KEYTOP	S26

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26R | ML Dwg. No. 420196 | Rev. 24

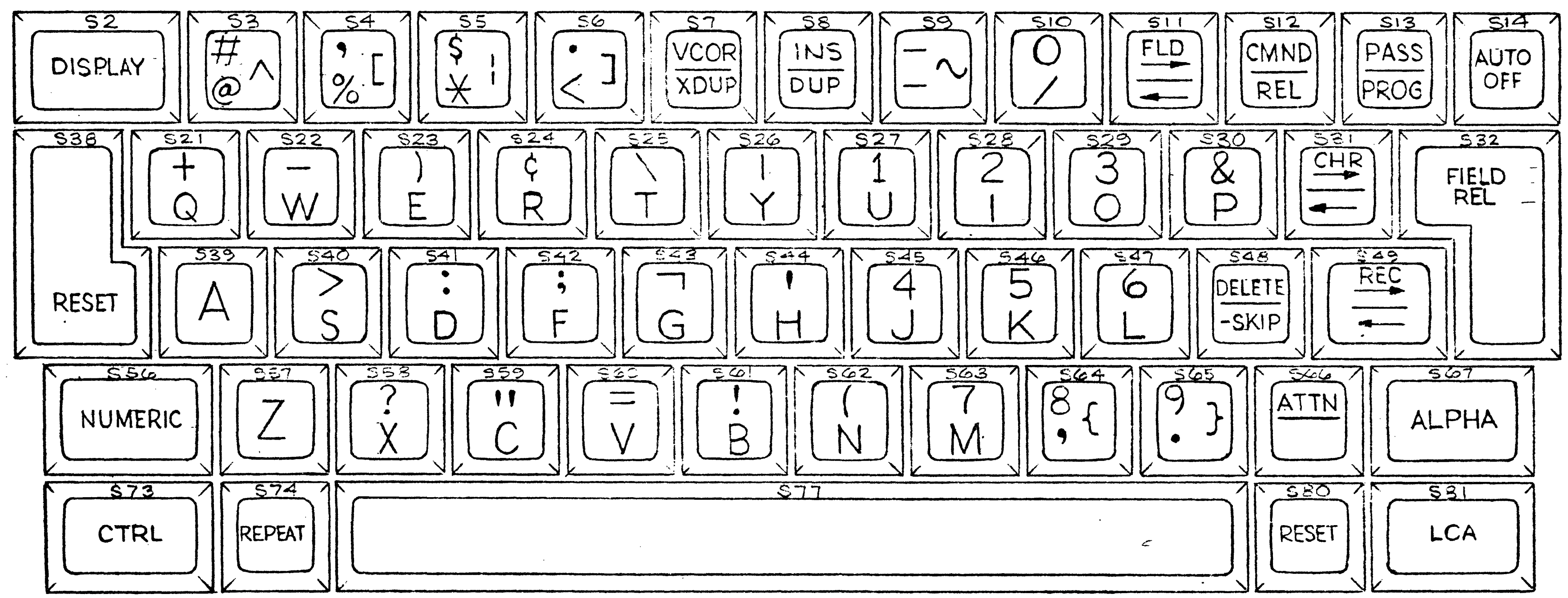
Item No.	Quantity Required -012	Part No.	Nomenclature or Description	Reference Designation 1
20	1	420214-383	KEYTOP	S27
21	1	-384		S28
22	1	-385		S29
23	1	-386		S30
24	1	-387		S31
25	1	-388		S32
26	1	-389		S38
27	1	-390		S39
28	1	-391		S40
29	1	-392		S41
30	1	-393		S42
31	1	-498		S43
32	1	-395		S44
33	1	-396		S45
34	1	-397		S46
35	1	-398		S47
36	1	-399		S48
37	1	-400		S49
38	1	420214-401	KEYTOP	S56

PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26S | ML Dwg. No. 420196 | Rev. 25

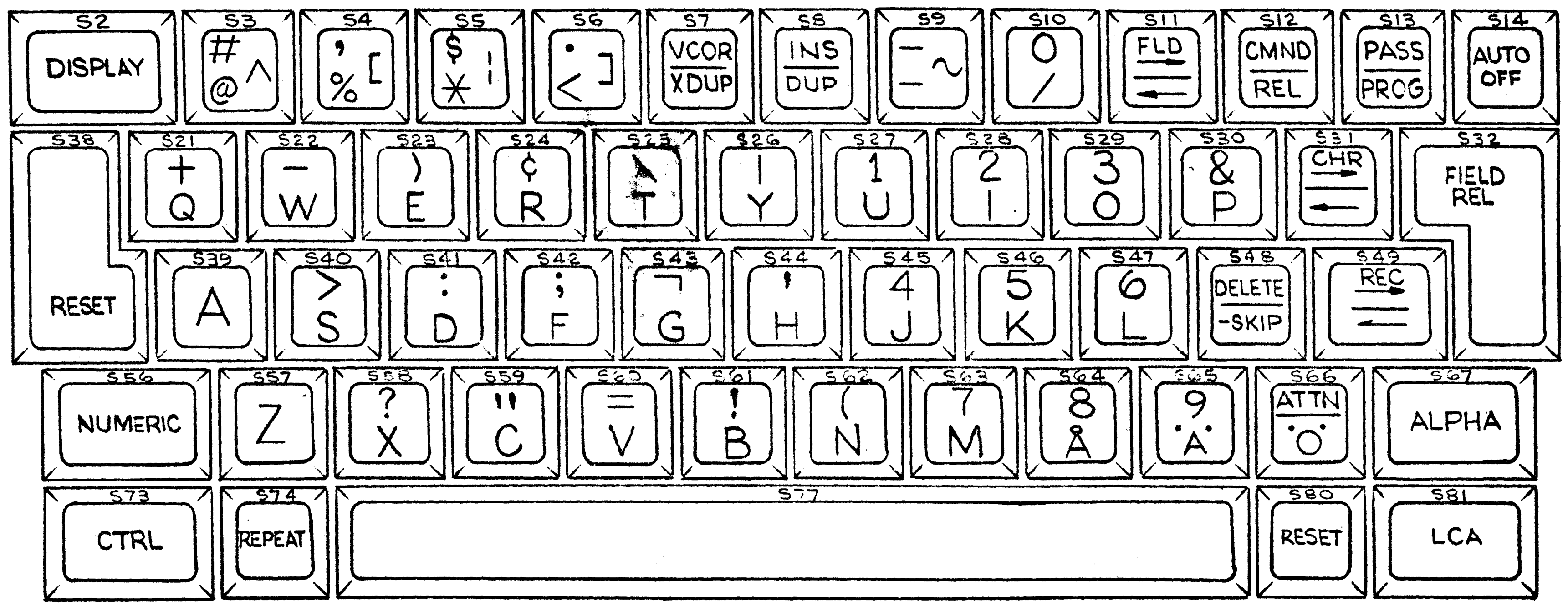
Item No.	Quantity Required -012	Part No.	Nomenclature or Description	Reference Designation 1
39	1	420214-402	KEYTOP	S57
40	1	-403		S58
41	1	-404		S59
42	1	-405		S60
43	1	-406		S61
44	1	-407		S62
45	1	-408		S63
46	1	-409		S64
47	1	-410		S65
48	1	-411		S66
49	1	-412		S67
50	1	-413		S73
51	1	420214-414		S74
52	1	220336-014		S77
53	1	420214-415		S80
54	1	420214-416	KEYTOP	S81



-000

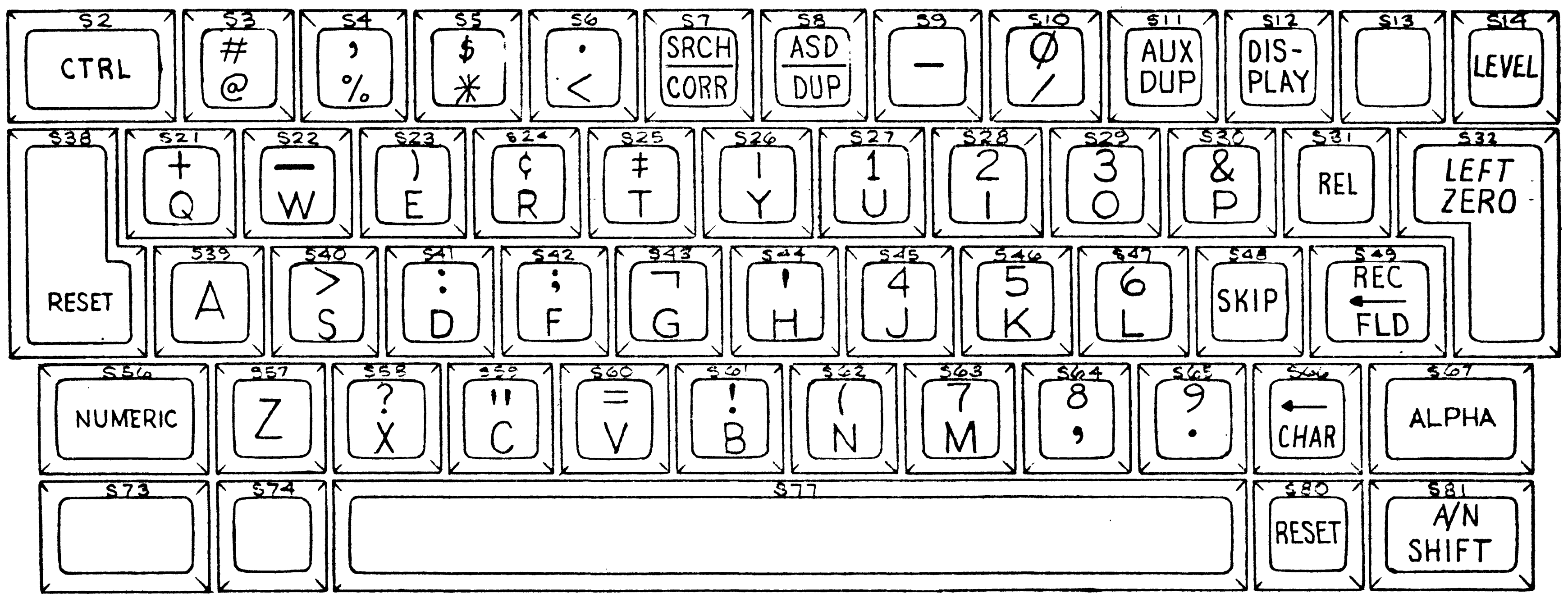
SIZE	DWG NO	REV
B	420196	24

DO NOT SCALE DWG | SHEET 27 OF 39



-001

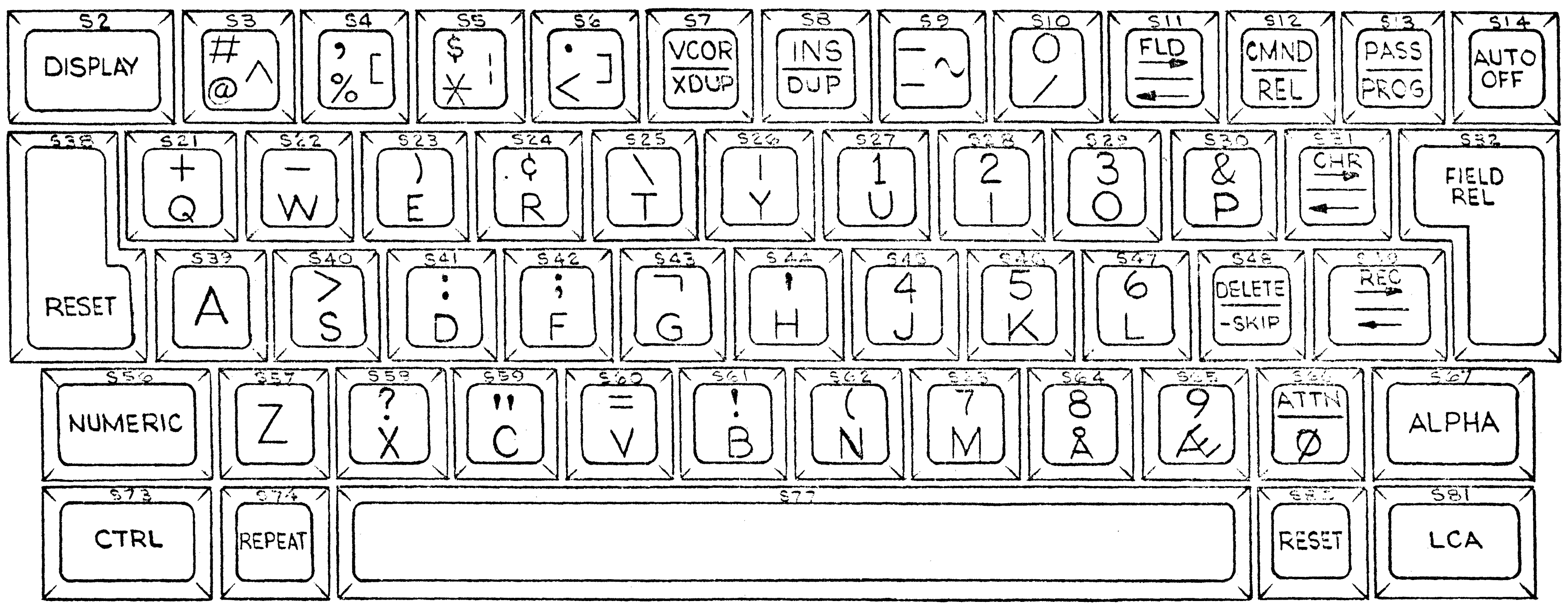
SIZE	DWG NO	REV
B	420196	18
DO NOT SCALE DWG	SHEET 28	OF



-003

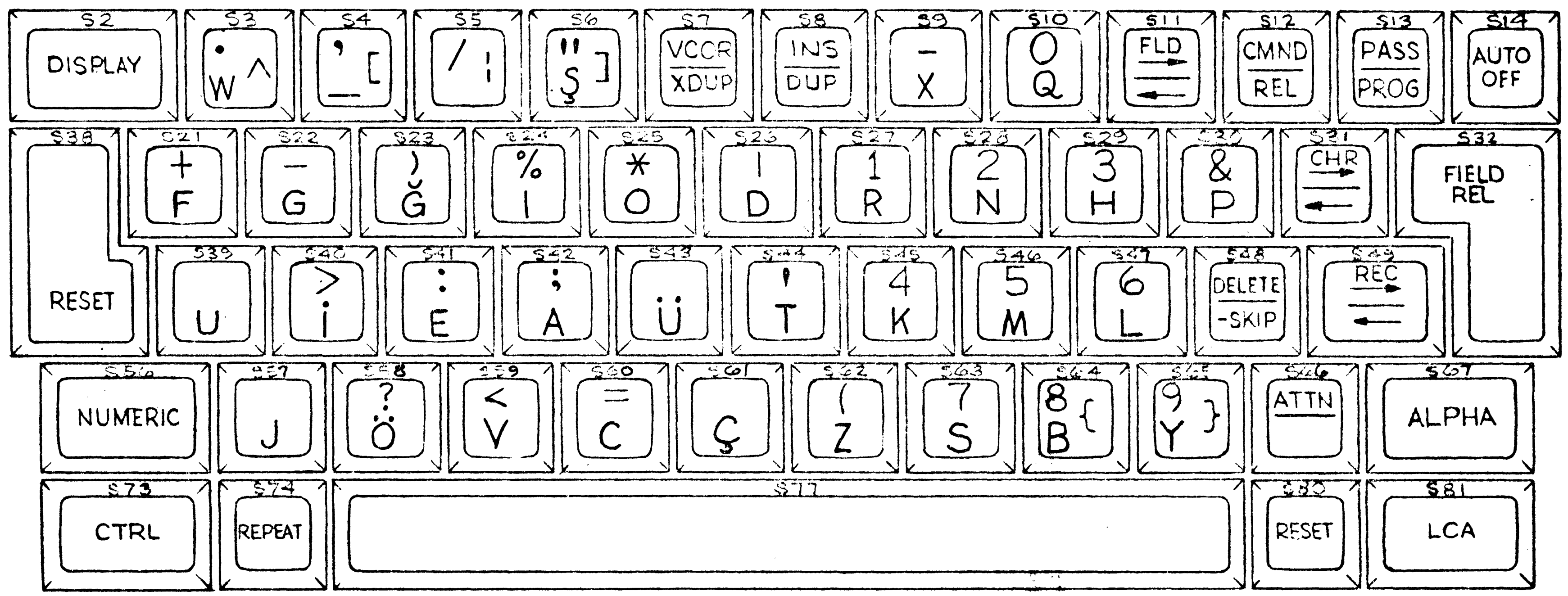
SIZE	DWG NO	REV
B	420196	1E

DO NOT SCALE DWG | SHEET 30 OF



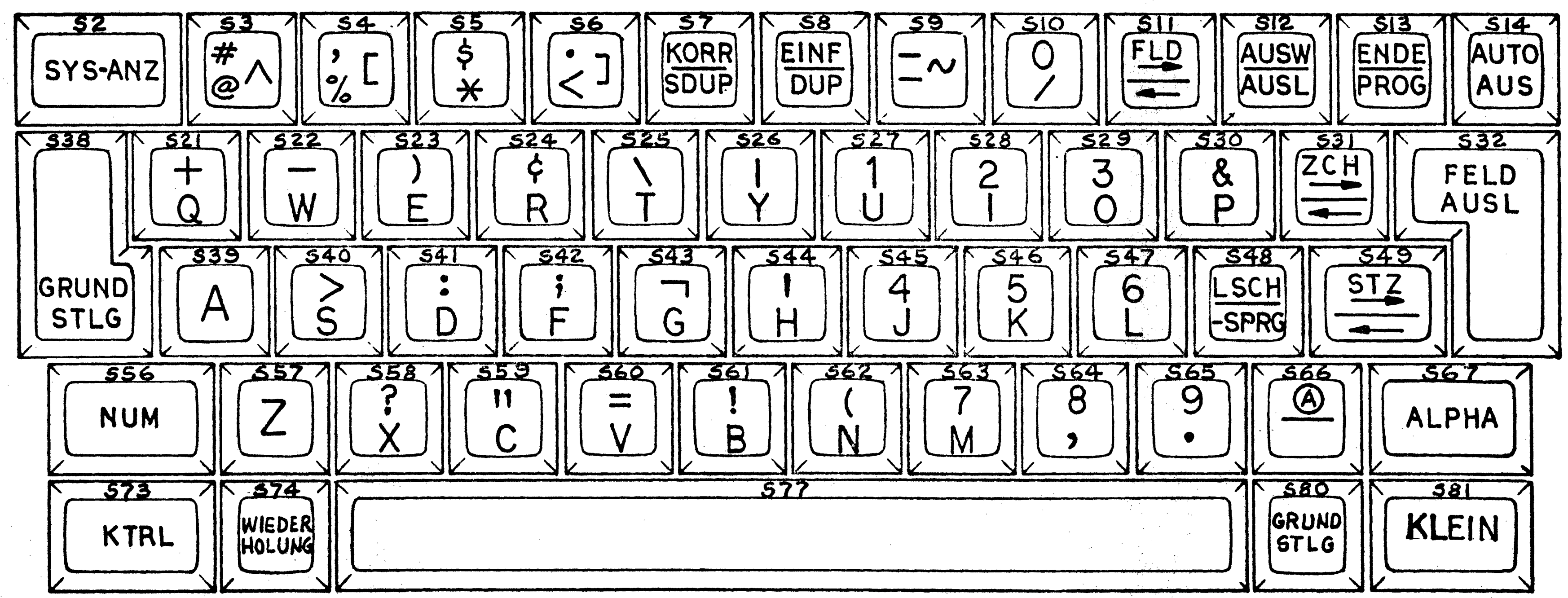
-002

SIZE	DWG NO	REV
B	420196	18
DO NOT SCALE DWG	SHEET 29 OF	



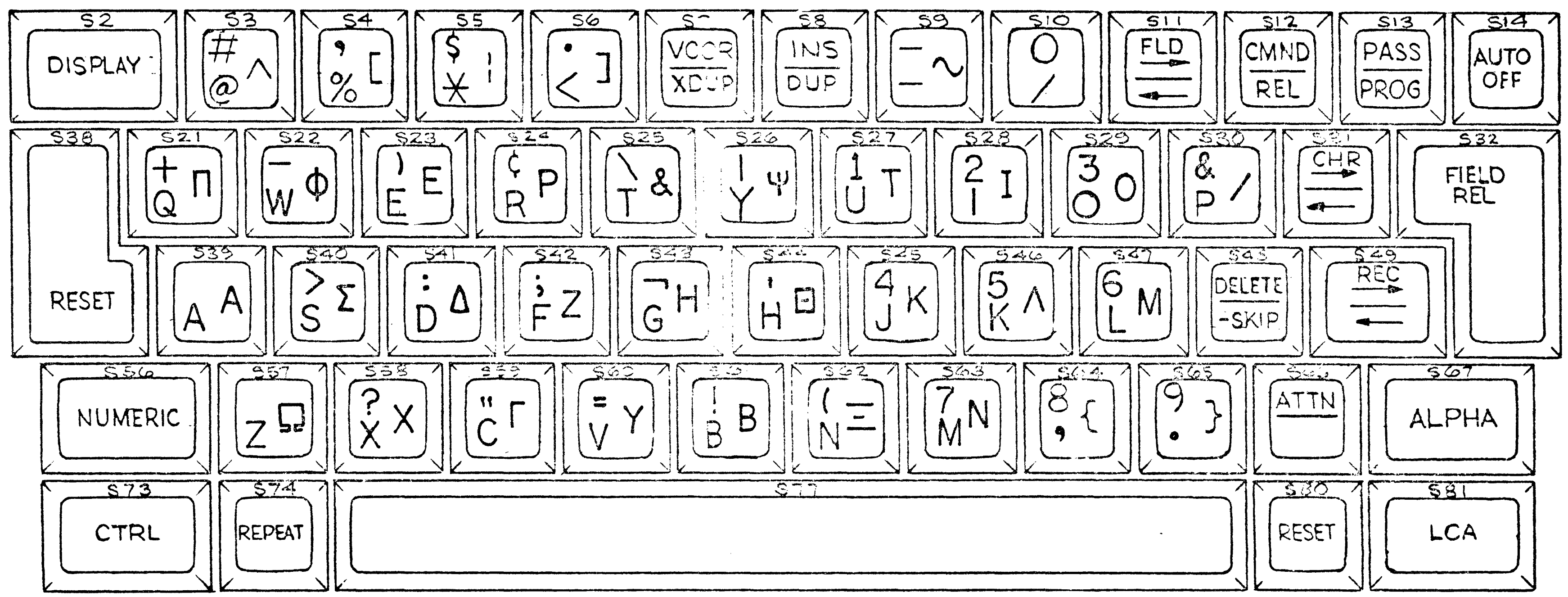
-004

SIZE	DWG NO	REV
B	420196	18
DO NOT SCALE DWG	SHEET 31	OF



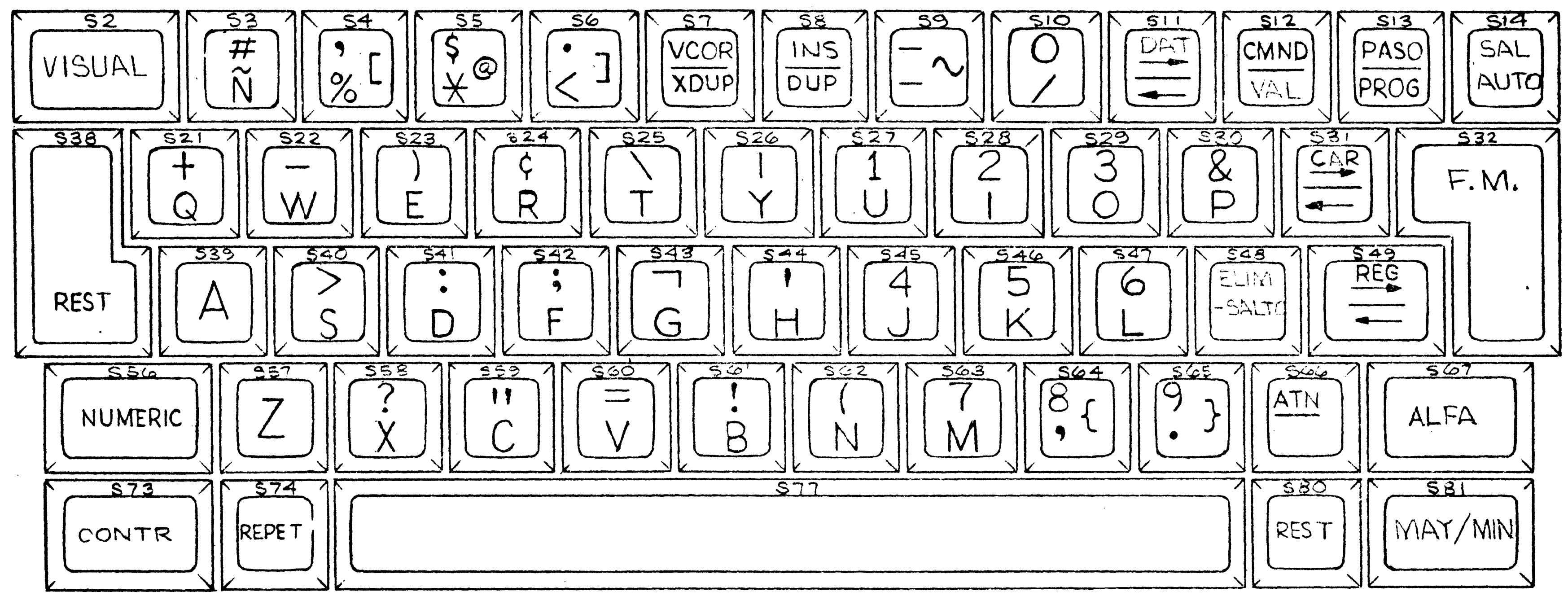
-005

SIZE	DWG NO	REV
B	420196	19
DO NOT SCALE DWG	SHEET 32 OF	



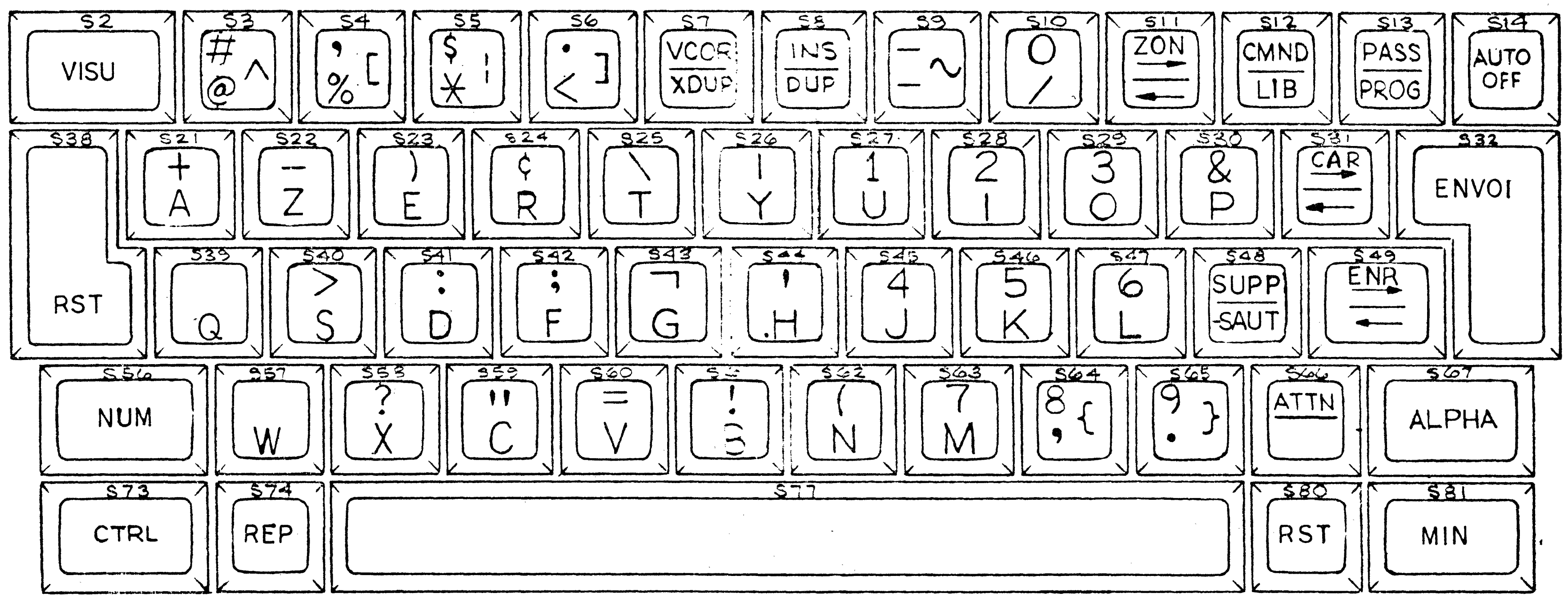
-006

SIZE	DWG NO	REV
B	420196	18
DO NOT SCALE DWG	SHEET 33 OF	



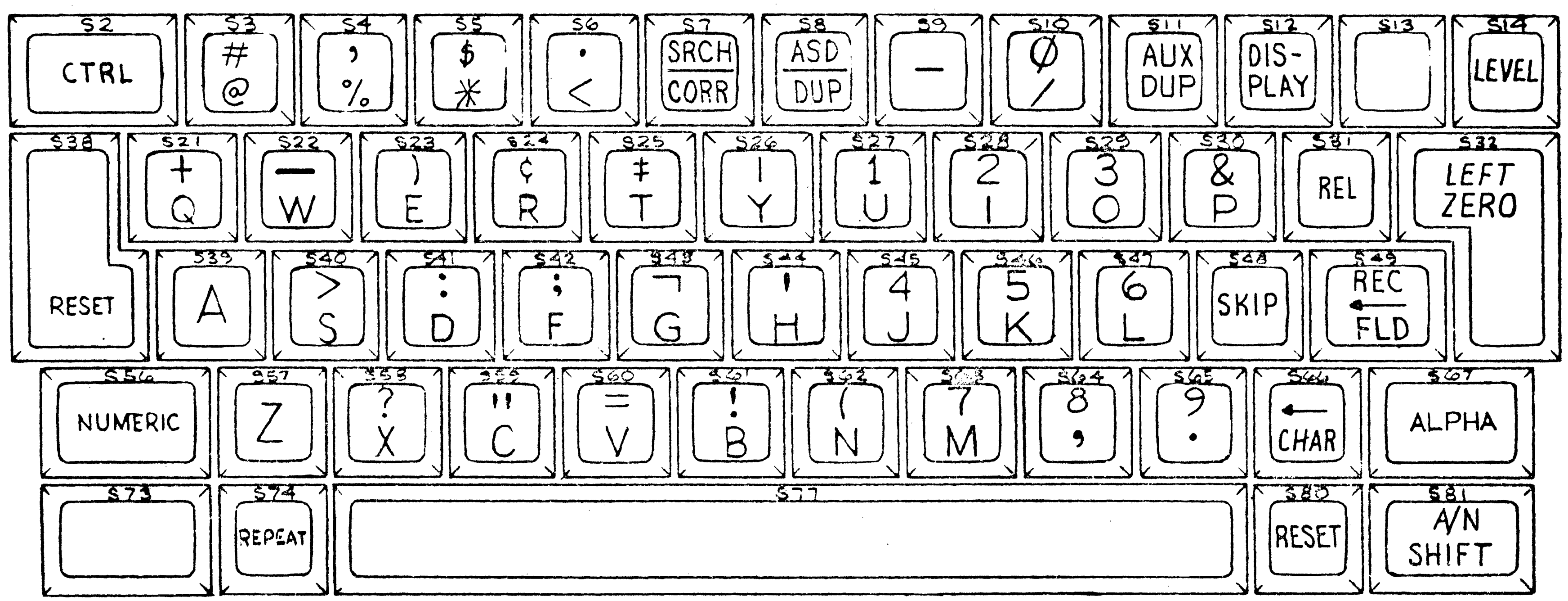
-007

SIZE	DWG NO	REV
B	420196	[illegible]
DO NOT SCALE DWG	SHEET 34	



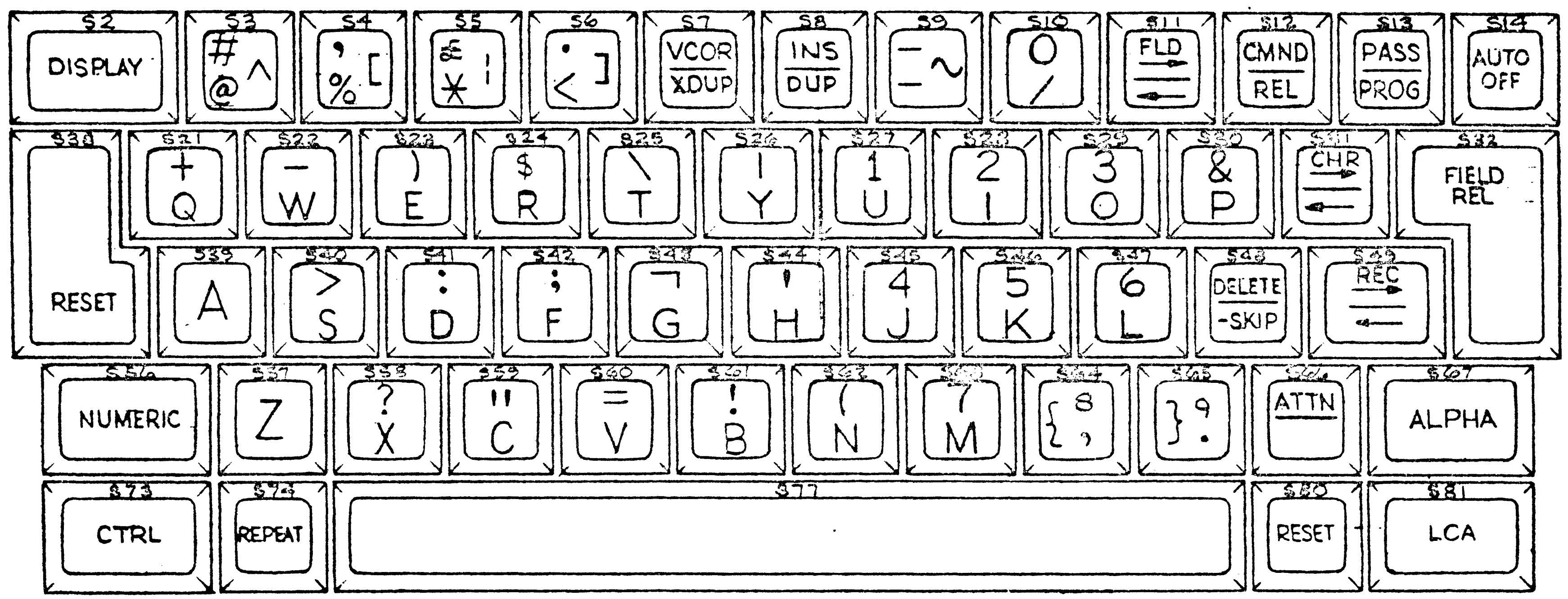
-008

SIZE	DWG NO	REV
B	420196	20
DO NOT SCALE DWG	SHEET 35	OF



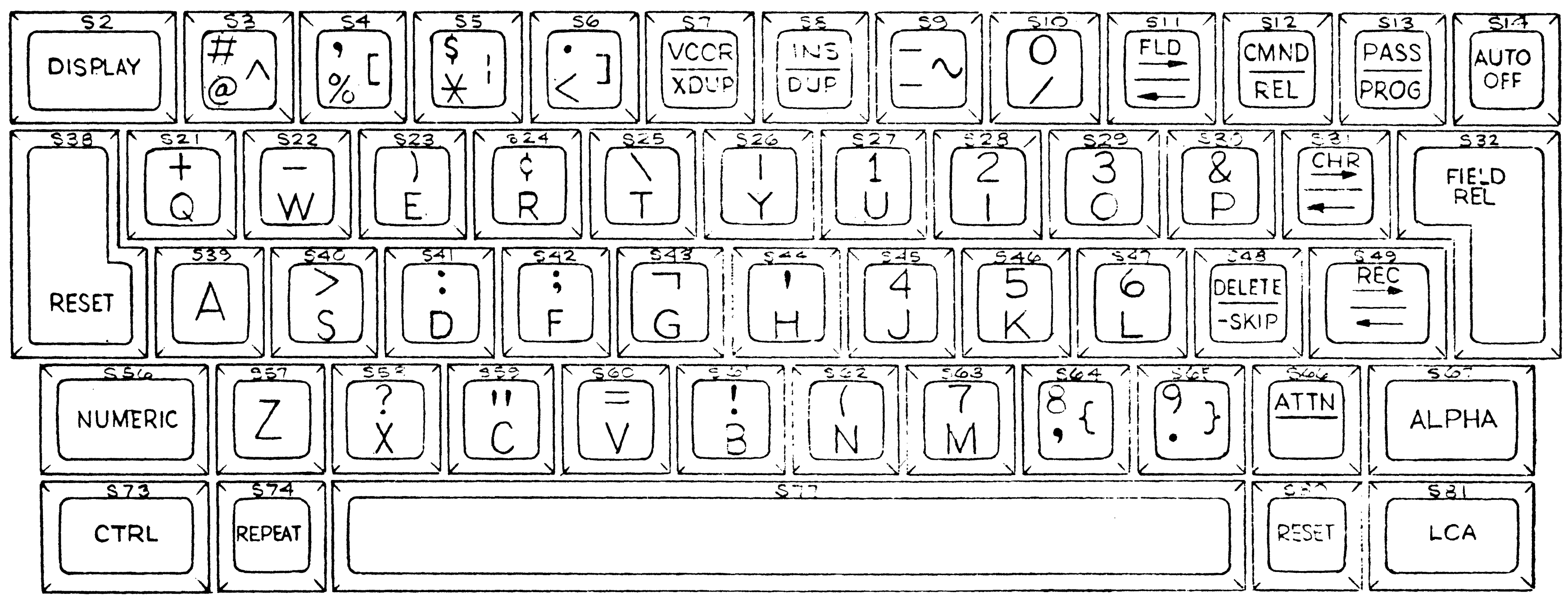
-009

SIZE	DWG NO	REV
B	420196	21
DO NOT SCALE DWG	SHEET 36 OF	



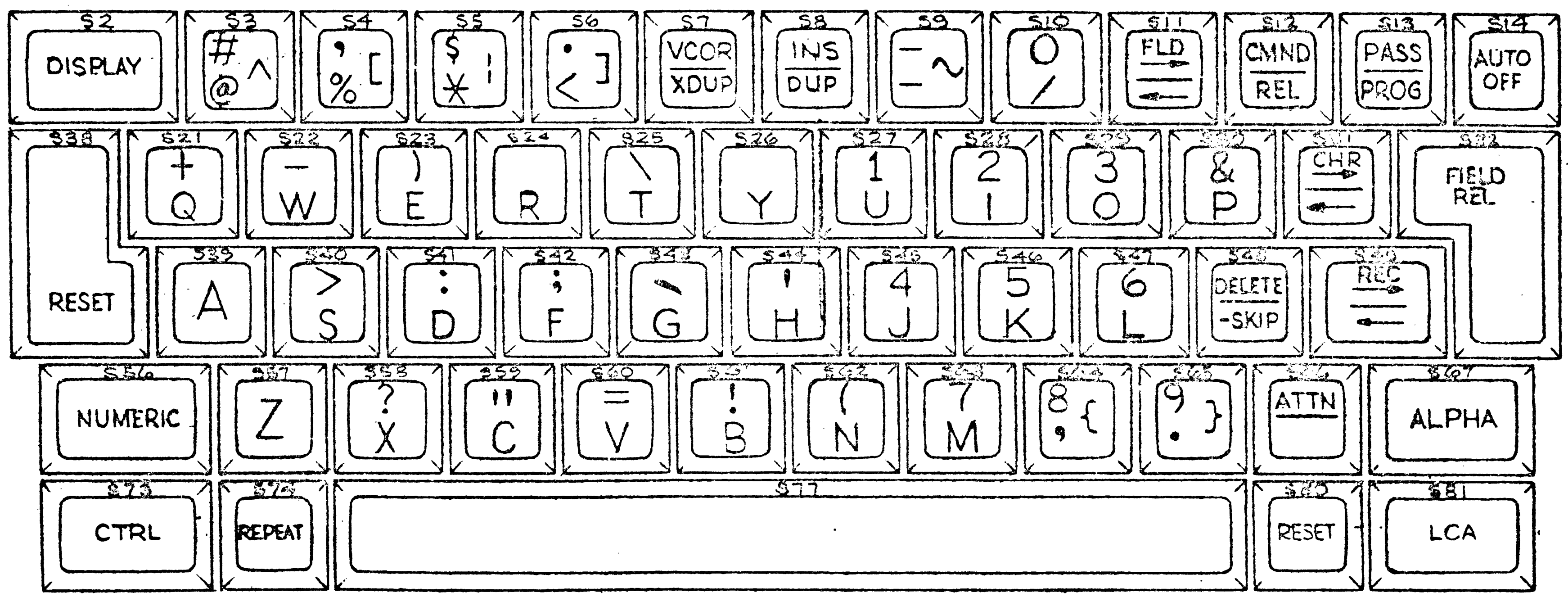
010

SIZE	DWG NO	REV
B	420196	22
DO NOT SCALE DWG	SHEET 37 OF	



-011

SIZE	DWG NO	REV
B	420196	23
DO NOT SCALE DWG	SHEET 38 OF	



-012

SIZE	DWG NO	REV
B	420196	24
DO NOT SCALE DWG	SHEET 39 OF	

TABULATION

DASH NUMBER	COUNTRY
-000	USA
-001	DENMARK/NORWAY
-002	SWEDISH/FINNISH
-003	GERMANY
-004	UNITED KINGDOM(KODE)
-005	USA (UNIVAC)
-006	ASCII (UNIVAC)

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90104-06

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REVISIONS				
REV	DESCRIPTION	DRFTG	APPVD	DATE
15	CODE 10 RELEASE W/O CHANGES PER DCO 10848	JN/LM	gn EB	6/18/80

APPLICATION	
NEXT ASSY	MODEL
	4141
	4143
	3143

FOR TABULATION BLOCK SEE SHEET 2.

1 REFERENCE DESIGNATIONS GIVEN ARE SWITCH LOCATION ON THE KEYBOARD PCBA.

NOTE: UNLESS OTHERWISE SPECIFIED.

SHEET														
REV														
SHEET	17	18	19	20	21									
REV	15	15	15	15	15									
SHEET	12	13	14	14A	14B	14C	14D	14E	14F	14G	14H	14J	15	16
REV	15	15	15	15	15	15	15	15	15	15	15	15	15	15
REV STATUS OF SHEETS		SHEET		1	2	3	4	5	6	7	8	9	10	11
		REV		15	15	15	15	15	15	15	15	15	15	15

DRAWN	SIMMONS/mv	9/13/76
CHECK	J NORTON	9/22/76
APPR	STEPHENSON	9/22/76
RELEASE	G BRINK	9/22/76

PCC PERTEC COMPUTER CORPORATION
DATA SYSTEMS OPERATIONS DIVISION

TITLE

KEYTOP SET, KEYPUNCH/ADDING MACHINE

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 ✓ OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	420199	15
SCALE NONE	DO NOT SCALE DWG	SHEET 1 OF 21	

790101-07

PERTEC BUSINESS SYSTEMS

MATERIAL LIST

Title	Advance Approval	Sheet	ML Dwg. No.	Rev.
KEYTOP SET, KEYPUNCH/ADDING MACHINE		3 of	420199	15

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	1 Reference Designation
1	1	420169-804	KEYTOP	S2
2	1	420169-701	KEYTOP	S3
3	1	420169-702	KEYTOP	S4
4	1	420169-703	KEYTOP	S5
5	1	420169-704	KEYTOP	S6
6	1	420169-705	KEYTOP	S7
7	1	420169-706	KEYTOP	S8
8	1	420169-707	KEYTOP	S9
9	1	420169-708	KEYTOP	S10
10	1	420169-709	KEYTOP	S11
11	1	420169-710	KEYTOP	S12
12	1	420169-711	KEYTOP	S13
13	1	420169-712	KEYTOP	S14
14	1	420169-713	KEYTOP	S21
15	1	420169-714	KEYTOP	S22
16	1	420169-715	KEYTOP	S23
17	1	420169-716	KEYTOP	S24
18	1	420169-717	KEYTOP	S25
19	1	420169-718	KEYTOP	S26
20	1	420169-747	KEYTOP	S27
21	1	420169-748	KEYTOP	S28

PERTEC BUSINESS SYSTEMS

MATERIAL LIST

Title	Advance Approval	Sheet	ML Dwg. No.	Rev.
KEYTOP SET, KEYPUNCH/ADDING MACHINE		4	420199	15

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	1 Reference Designation
22	1	420169-749	KEYTOP	S29
23	1	420169-722	KEYTOP	S30
24	1	420169-723	KEYTOP	S31
25	1	420169-812	KEYTOP	S32
26	1	420169-816	KEYTOP	S38
27	1	420169-724	KEYTOP	S39
28	1	420169-725	KEYTOP	S40
29	1	420169-726	KEYTOP	S41
30	1	420169-727	KEYTOP	S42
31	1	420169-728	KEYTOP	S43
32	1	420169-729	KEYTOP	S44
33	1	420169-730	KEYTOP	S45
34	1	420169-731	KEYTOP	S46
35	1	420169-732	KEYTOP	S47
36	1	420169-733	KEYTOP	S48
37	1	420169-734	KEYTOP	S49
38	1	420169-805	KEYTOP	S56
39	1	420169-735	KEYTOP	S57
40	1	420169-736	KEYTOP	S58
41	1	420169-737	KEYTOP	S59
42	1	420169-738	KEYTOP	S60

PERTEC BUSINESS SYSTEMS

MATERIAL LIST

Title	Advance Approval	Sheet	ML Dwg. No.	Rev.
KEYTOP SET, KEYPUNCH/ADDING MACHINE		5	420199	15

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	1 Reference Designation
43	1	420169-739	KEYTOP	S61
44	1	420169-740	KEYTOP	S62
45	1	420169-750	KEYTOP	S63
46	1	420169-751	KEYTOP	S64
47	1	420169-752	KEYTOP	S65
48	1	420169-744	KEYTOP	S66
49	1	420169-808	KEYTOP	S67
50	1	420169-806	KEYTOP	S73
51	1	420169-745	KEYTOP	S74
52	1	220336-006	KEYTOP	S76
53	1	420169-820	KEYTOP	S79
54	1	420169-746	KEYTOP	S80
55	1	420169-807	KEYTOP	S81

BUSINESS SYSTEMS

MATERIAL LIST

Sheet	ML Dwg. No.	Rev.
6	420199	15

Item No.	Quantity Required -001	Part No.	Nomenclature or Description	1 Reference Designation
1	1	420169-804	KEYTOP	S2
2	1	420169-701	KEYTOP	S3
3	1	420169-702	KEYTOP	S4
4	1	420169-703	KEYTOP	S5
5	1	420169-704	KEYTOP	S6
6	1	420169-705	KEYTOP	S7
7	1	420169-706	KEYTOP	S8
8	1	420169-707	KEYTOP	S9
9	1	420169-708	KEYTOP	S10
10	1	420169-709	KEYTOP	S11
11	1	420169-710	KEYTOP	S12
12	1	420169-711	KEYTOP	S13
13	1	420169-712	KEYTOP	S14
14	1	420169-713	KEYTOP	S21
15	1	420169-714	KEYTOP	S22
16	1	420169-715	KEYTOP	S23
17	1	420169-716	KEYTOP	S24
18	1	420169-717	KEYTOP	S25
19	1	420169-718	KEYTOP	S26
20	1	420169-747	KEYTOP	S27
21	1	420169-748	KEYTOP	S28
22	1	420169-749	KEYTOP	S29
23	1	420169-722	KEYTOP	S30

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BUSINESS SYSTEMS

MATERIAL LIST

Sheet	ML Dwg. No.	Rev.
7	420199	15

Item No.	Quantity Required -001	Part No.	Nomenclature or Description	1 Reference Designation
24	1	420169-723	KEYTOP	S31
25	1	420169-812	KEYTOP	S32
26	1	420169-816	KEYTOP	S38
27	1	420169-724	KEYTOP	S39
28	1	420169-725	KEYTOP	S40
29	1	420169-726	KEYTOP	S41
30	1	420169-727	KEYTOP	S42
31	1	420169-728	KEYTOP	S43
32	1	420169-729	KEYTOP	S44
33	1	420169-730	KEYTOP	S45
34	1	420169-731	KEYTOP	S46
35	1	420169-732	KEYTOP	S47
36	1	420169-733	KEYTOP	S48
37	1	420169-734	KEYTOP	S49
38	1	420169-805	KEYTOP	S56
39	1	420169-735	KEYTOP	S57
40	1	420169-736	KEYTOP	S58
41	1	420169-737	KEYTOP	S59
42	1	420169-738	KEYTOP	S60
43	1	420169-739	KEYTOP	S61
44	1	420169-740	KEYTOP	S62
45	1	420169-750	KEYTOP	S63
46	1	420169-987	KEYTOP	S64

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BUSINESS SYSTEMS

MATERIAL LIST

Sheet	ML Dwg. No.	Rev.
8	420199	15

Item No.	Quantity Required -001	Part No.	Nomenclature or Description	1 Reference Designation
47	1	420169-988	KEYTOP	S65
48	1	420169-884	KEYTOP	S66
49	1	420169-808	KEYTOP	S67
50	1	420169-806	KEYTOP	S73
51	1	420169-745	KEYTOP	S74
52	1	220336-006	KEYTOP	S76
53	1	420169-820	KEYTOP	S79
54	1	420169-746	KEYTOP	S80
55	1	420169-807	KEYTOP	S81

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PCC BUSINESS SYSTEMS

MATERIAL LIST | Sheet 9 | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required -002	Part No.	Nomenclature or Description	Reference Designation
1	1	420169-804	KEYTOP	S2
2	1	420169-701	KEYTOP	S3
3	1	420169-702	KEYTOP	S4
4	1	420169-703	KEYTOP	S5
5	1	420169-704	KEYTOP	S6
6	1	420169-705	KEYTOP	S7
7	1	420169-706	KEYTOP	S8
8	1	420169-707	KEYTOP	S9
9	1	420169-708	KEYTOP	S10
10	1	420169-709	KEYTOP	S11
11	1	420169-710	KEYTOP	S12
12	1	420169-711	KEYTOP	S13
13	1	420169-712	KEYTOP	S14
14	1	420169-713	KEYTOP	S21
15	1	420169-714	KEYTOP	S22
16	1	420169-715	KEYTOP	S23
17	1	420169-716	KEYTOP	S24
18	1	420169-717	KEYTOP	S25
19	1	420169-718	KEYTOP	S26
20	1	420169-747	KEYTOP	S27
21	1	420169-748	KEYTOP	S28
22	1	420169-749	KEYTOP	S29
23	1	420169-722	KEYTOP	S30

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PCC BUSINESS SYSTEMS

MATERIAL LIST | Sheet 10 | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required -002	Part No.	Nomenclature or Description	Reference Designation
24	1	420169-723	KEYTOP	S31
25	1	420169-812	KEYTOP	S32
26	1	420169-816	KEYTOP	S38
27	1	420169-724	KEYTOP	S39
28	1	420169-725	KEYTOP	S40
29	1	420169-726	KEYTOP	S41
30	1	420169-727	KEYTOP	S42
31	1	420169-728	KEYTOP	S43
32	1	420169-729	KEYTOP	S44
33	1	420169-730	KEYTOP	S45
34	1	420169-731	KEYTOP	S46
35	1	420169-732	KEYTOP	S47
36	1	420169-733	KEYTOP	S48
37	1	420169-734	KEYTOP	S49
38	1	420169-805	KEYTOP	S56
39	1	420169-735	KEYTOP	S57
40	1	320169-736	KEYTOP	S58
41	1	420169-737	KEYTOP	S59
42	1	420169-738	KEYTOP	S60
43	1	420169-739	KEYTOP	S61
44	1	420169-740	KEYTOP	S62
45	1	420169-750	KEYTOP	S63
46	1	420169-987	KEYTOP	S64

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PCC BUSINESS SYSTEMS

MATERIAL LIST | Sheet 11 | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required -002	Part No.	Nomenclature or Description	Reference Designation
47	1	420169-989	KEYTOP	S65
48	1	420169-882	KEYTOP	S66
49	1	420169-808	KEYTOP	S67
50	1	420169-806	KEYTOP	S73
51	1	420169-745	KEYTOP	S74
52	1	220336-006	KEYTOP	S76
53	1	420169-820	KEYTOP	S79
54	1	420169-746	KEYTOP	S80
55	1	420169-807	KEYTOP	S81

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PCC BUSINESS SYSTEMS

MATERIAL LIST | Sheet 12 | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required -003	Part No.	Nomenclature or Description	Reference Designation
1	1	420214-001	KEYTOP	S2
2	1	420214-002	KEYTOP	S3
3	1	420214-003	KEYTOP	S4
4	1	420214-004	KEYTOP	S5
5	1	420214-005	KEYTOP	S6
6	1	420214-006	KEYTOP	S7
7	1	420214-007	KEYTOP	S8
8	1	420214-008	KEYTOP	S9
9	1	420214-009	KEYTOP	S10
10	1	420214-010	KEYTOP	S11
11	1	420214-011	KEYTOP	S12
12	1	420214-012	KEYTOP	S13
13	1	420214-013	KEYTOP	S14
14	1	420214-014	KEYTOP	S21
15	1	420214-015	KEYTOP	S22
16	1	420214-016	KEYTOP	S23
17	1	420214-017	KEYTOP	S24
18	1	420214-018	KEYTOP	S25
19	1	420214-019	KEYTOP	S26
20	1	420214-057	KEYTOP	S27
21	1	420214-058	KEYTOP	S28
22	1	420214-059	KEYTOP	S29
23	1	420214-023	KEYTOP	S30

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PCC BUSINESS SYSTEMS

MATERIAL LIST | Sheet 13 | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required -003	Part No.	Nomenclature or Description	Reference Designation
24	1	420214-024	KEYTOP	S31
25	1	420214-025	KEYTOP	S32
26	1	420214-026	KEYTOP	S38
27	1	420214-027	KEYTOP	S39
28	1	420214-028	KEYTOP	S40
29	1	420214-029	KEYTOP	S41
30	1	420214-030	KEYTOP	S42
31	1	420214-031	KEYTOP	S43
32	1	420214-032	KEYTOP	S44
33	1	420214-033	KEYTOP	S45
34	1	420214-034	KEYTOP	S46
35	1	420214-035	KEYTOP	S47
36	1	420214-036	KEYTOP	S48
37	1	420214-037	KEYTOP	S49
38	1	420214-038	KEYTOP	S56
39	1	420214-039	KEYTOP	S57
40	1	420214-040	KEYTOP	S58
41	1	420214-041	KEYTOP	S59
42	1	420214-042	KEYTOP	S60
43	1	420214-043	KEYTOP	S61
44	1	420214-044	KEYTOP	S62
45	1	420214-060	KEYTOP	S63
46	1	420214-061	KEYTOP	S64

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PCC BUSINESS SYSTEMS

MATERIAL LIST | Sheet 14 | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required -003	Part No.	Nomenclature or Description	Reference Designation
47	1	420214-062	KEYTOP	S65
48	1	420214-048	KEYTOP	S66
49	1	420214-049	KEYTOP	S67
50	1	420214-050	KEYTOP	S73
51	1	420214-051	KEYTOP	S74
52	1	220336-010	KEYTOP	S76
53	1	420214-063	KEYTOP	S79
54	1	420214-052	KEYTOP	S80
55	1	420214-215	KEYTOP	S81

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 14A — ML Dwg. No. 420199 — Rev. 15

Item No.	Quantity Required -004	Part No	Nomenclature or Description	(1) Reference Designation
1	1	420169-804	KEYTOP	S2
2	1	420169-701		S3
3	1	420169-702		S4
4	1	420217-357		S5
5	1	420169-704		S6
6	1	420169-705		S7
7	1	420169-706		S8
8	1	420169-707		S9
9	1	420169-708		S10
10	1	420169-709		S11
11	1	420169-710		S12
12	1	420169-711		S13
13	1	420169-712		S14
14	1	420169-713		S21
15	1	420169-714		S22
16	1	420169-715		S23
17	1	420217-358		S24
18	1	420169-717		S25
19	1	420169-718		S26
20	1	420169-747		S27
21	1	420169-748	KEYTOP	S28

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 14B — ML Dwg. No. 420199 — Rev. 15

Item No.	Quantity Required -004	Part No.	Nomenclature or Description	(1) Reference Designation
22	1	420169-749	KEYTOP	S29
23	1	420169-722		S30
24	1	420169-723		S31
25	1	420169-812		S32
26	1	420169-816		S38
27	1	420169-724		S39
28	1	420169-725		S40
29	1	420169-726		S41
30	1	420169-727		S42
31	1	420169-728		S43
32	1	420169-729		S44
33	1	420169-730		S45
34	1	420169-731		S46
35	1	420169-732		S47
36	1	420169-733		S48
37	1	420169-734		S49
38	1	420169-805		S56
39	1	420169-735		S57
40	1	420169-736		S58
41	1	420169-737		S59
42	1	420169-738	KEYTOP	S60

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 14C — ML Dwg. No. 420199 — Rev. 15

Item No.	Quantity Required -004	Part No.	Nomenclature or Description	(1) Reference Designation
43	1	420169-739	KEYTOP	S61
44	1	420169-740		S62
45	1	420169-750		S63
46	1	420217-361		S64
47	1	420217-362		S65
48	1	420169-744		S66
49	1	420169-808		S67
50	1	420169-806		S73
51	1	420169-745		S74
52	1	220336-006		S76
53	1	420169-820		S79
54	1	420169-746		S80
55	1	420169-807	KEYTOP	S81

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 14 D — ML Dwg. No. 420199 — Rev. 15

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	(1) Reference Designation
1	1	420214-495	KEYTOP	S2
2	1	-365		S3
3	1	-366		S4
4	1	-367		S5
5	1	-368		S6
6	1	-369		S7
7	1	-370		S8
8	1	-371		S9
9	1	-372		S10
10	1	-373		S11
11	1	-374		S12
12	1	-375		S13
13	1	-376		S14
14	1	-377		S21
15	1	-378		S22
16	1	-379		S23
17	1	-380		S24
18	1	420214-381	KEYTOP	S25

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 14E — ML Dwg. No. 420199 — Rev. 15

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	(1) Reference Designation
19	1	420214-382	KEYTOP	S26
20	1	-417		S27
21	1	-418		S28
22	1	-419		S29
23	1	-386		S30
24	1	-387		S31
25	1	-388		S32
26	1	-389		S38
27	1	-390		S39
28	1	-391		S40
29	1	-392		S41
30	1	-393		S42
31	1	-394		S43
32	1	-395		S44
33	1	-396		S45
34	1	-397		S46
35	1	-398		S47
36	1	-399		S48
37	1	420214-400	KEYTOP	S49

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 14F — ML Dwg. No. 420199 — Rev. 15

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	(1) Reference Designation
38	1	420214-401	KEYTOP	S56
39	1	-402		S57
40	1	-403		S58
41	1	-404		S59
42	1	-405		S60
43	1	-406		S61
44	1	-407		S62
45	1	-420		S63
46	1	-421		S64
47	1	-422		S65
48	1	-411		S66
49	1	-412		S67
50	1	-413		S73
51	1	420214-414		S74
52	1	220336-015		S76
53	1	420214-423		S79
54	1	420214-415		S80
55	1	420214-416	KEYTOP	S81

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 14G | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-006			
1						1	420214-495	KEYTOP	S2
2						1	-365		S3
3						1	-366		S4
4						1	-367		S5
5						1	-368		S6
6						1	-369		S7
7						1	-370		S8
8						1	-371		S9
9						1	-372		S10
10						1	-373		S11
11						1	-374		S12
12						1	-375		S13
13						1	-376		S14
14						1	-377		S21
15						1	-378		S22
16						1	-379		S23
17						1	-496		S24
18						1	-381		S25
19						1	420214-497	KEYTOP	S26

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 14H | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-006			
20						1	420214-417	KEYTOP	S27
21						1	-418		S28
22						1	-419		S29
23						1	-386		S30
24						1	-387		S31
25						1	-388		S32
26						1	-389		S38
27						1	-390		S39
28						1	-391		S40
29						1	-392		S41
30						1	-393		S42
31						1	-498		S43
32						1	-395		S44
33						1	-396		S45
34						1	-397		S46
35						1	-398		S47
36						1	-399		S48
37						1	-400		S49
38						1	420214-401	KEYTOP	S56

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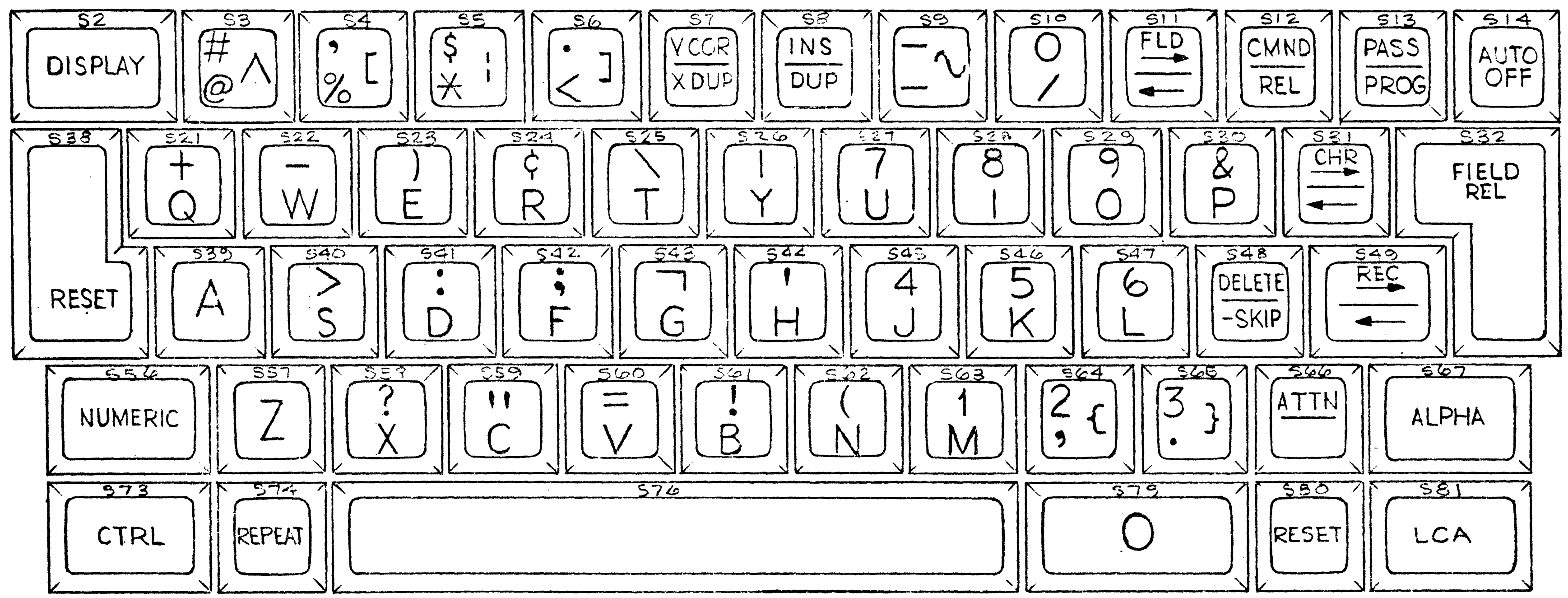
PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 14J | ML Dwg. No. 420199 | Rev. 75

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-006			
39						1	420214-402	KEYTOP	S57
40						1	-403		S58
41						1	-404		S59
42						1	-405		S60
43						1	-406		S61
44						1	-407		S62
45						1	-420		S63
46						1	-421		S64
47						1	-422		S65
48						1	-411		S66
49						1	-412		S67
50						1	-413		S73
51						1	420214-414		S74
52						1	220336-015		S76
53						1	420214-423		S79
54						1	420214-415		S80
55						1	420214-416	KEYTOP	S81

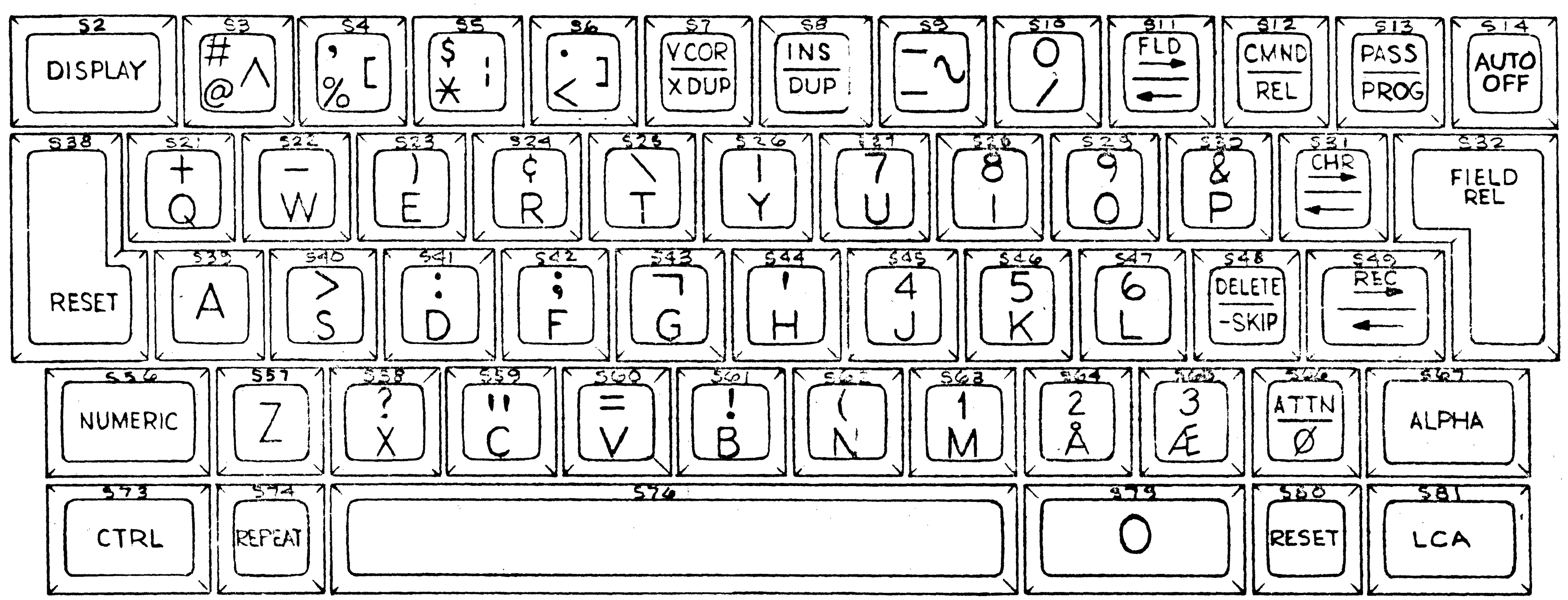
790406-03



-000

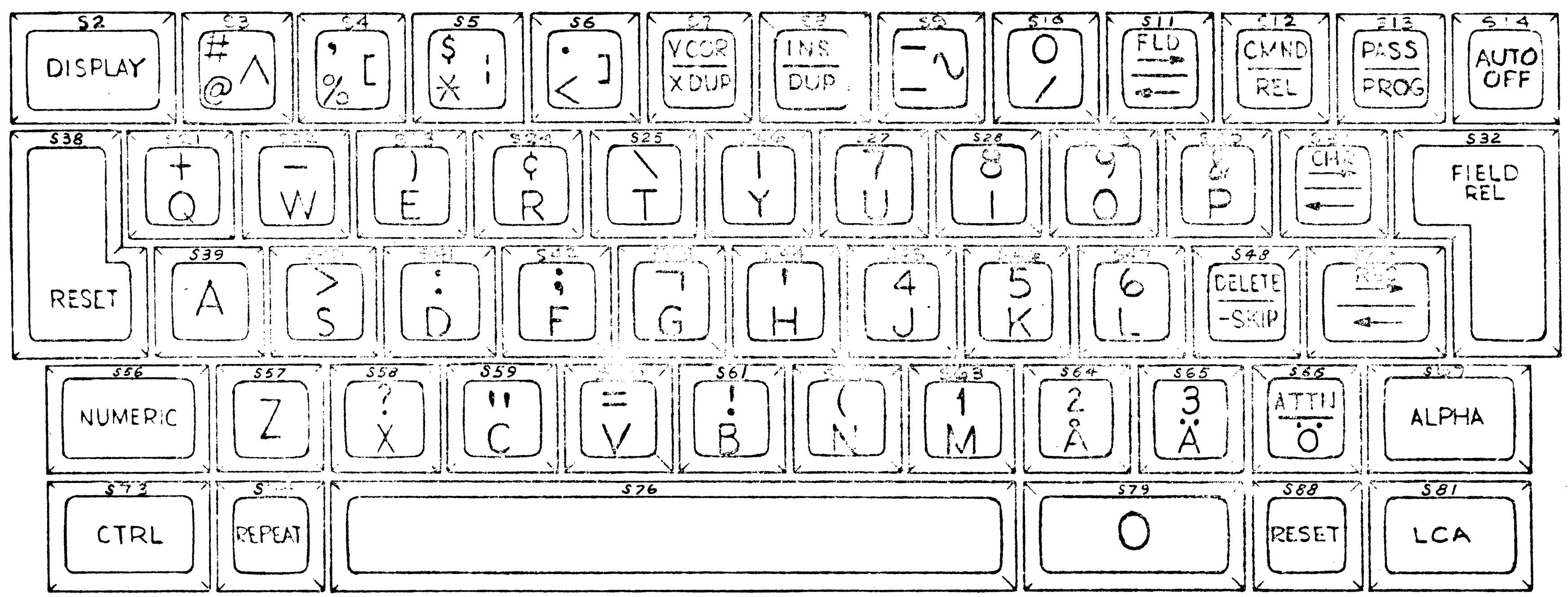
SIZE	DWG NO	REV
B	420199	15

DO NOT SCALE DWG SHEET 15 OF 21



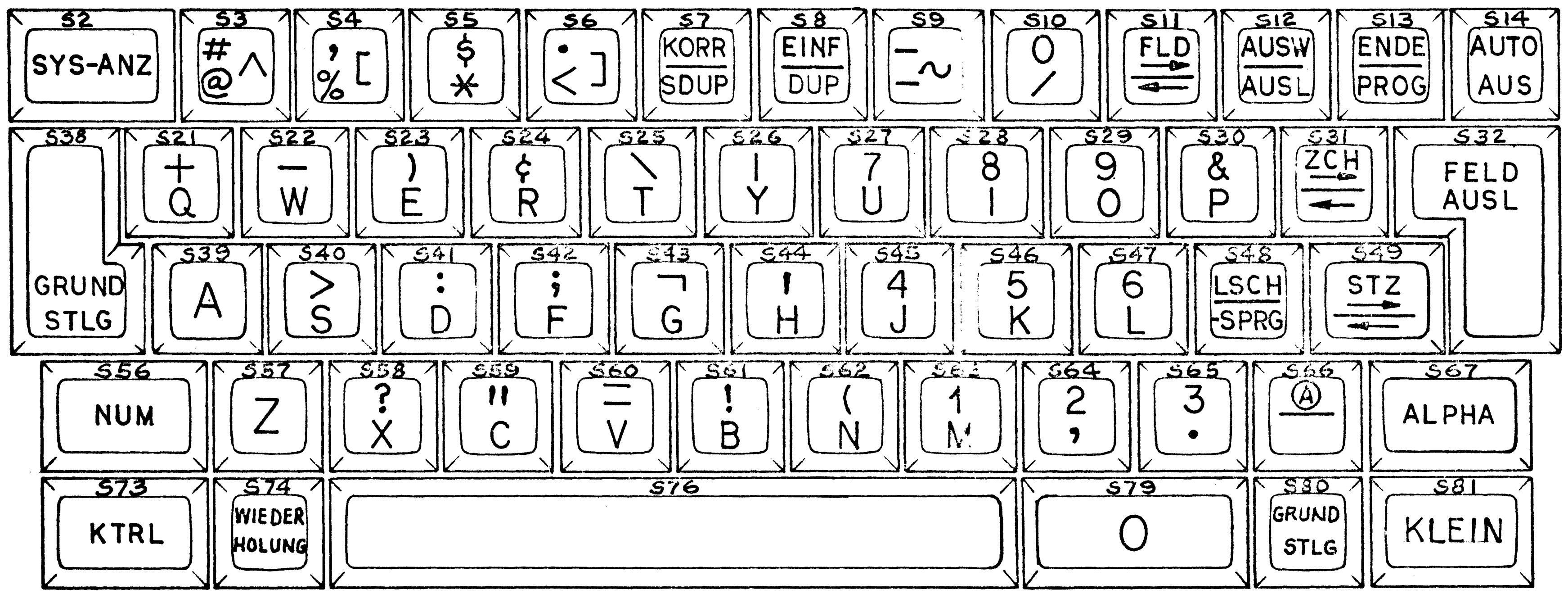
-001

SIZE	DWG NO	REV
B	420199	15
DO NOT SCALE DWG	SHEET 16 OF	



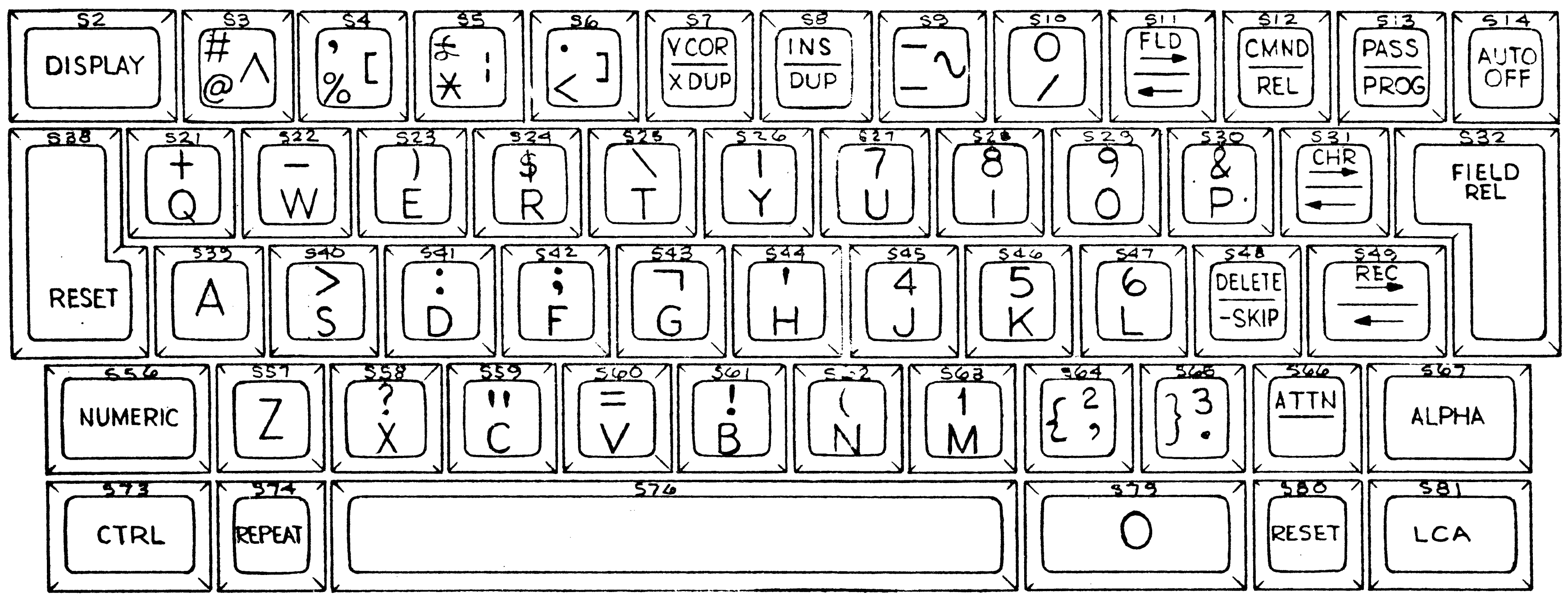
-002

SIZE	DWG NO	REV
D	420199	15
DO NOT SCALE DWG	SHEET 17 OF	



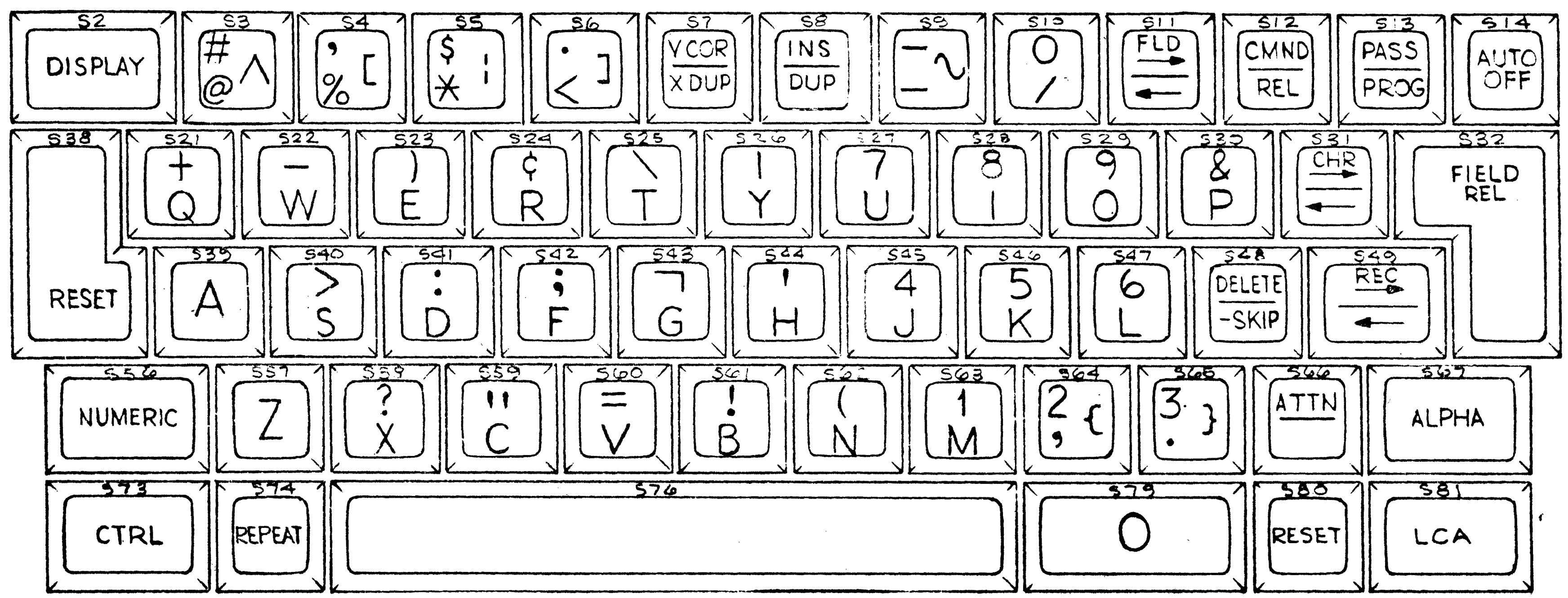
-003

SIZE	DWG NO	REV
B	420199	15
DO NOT SCALE DWG	SHEET 18 OF	



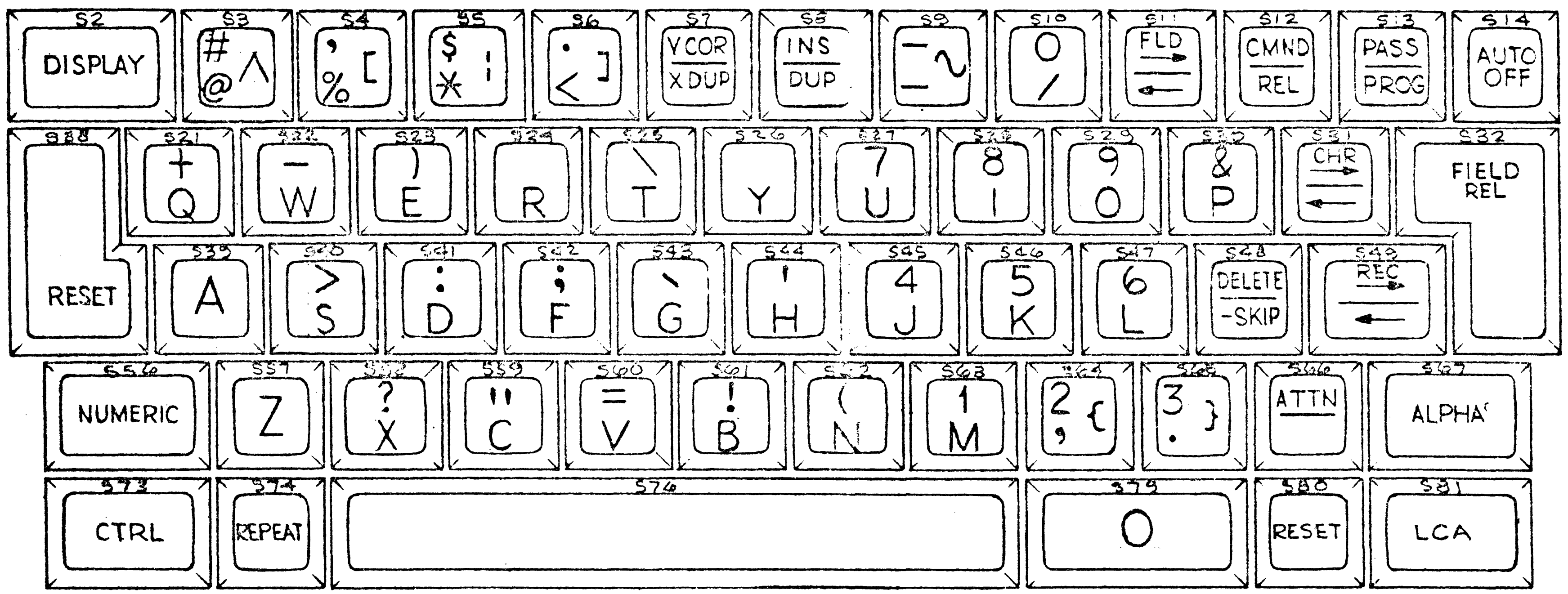
-004

SIZE	DWG NO	REV
B	420199	15
DO NOT SCALE DWG	SHEET 19 OF	



-005

SIZE	DWG NO	REV
B	420199	15
DO NOT SCALE DWG	SHEET 20 OF	



-006

SIZE	DWG NO	REV
B	420199	15
DO NOT SCALE DWG	SHEET 21	OF

NOTE: UNLESS OTHERWISE SPECIFIED.

1 REFERENCE DESIGNATIONS GIVEN ARE SWITCH LOCATIONS ON THE KEYBOARD PCBA.

TABULATION

DASH NUMBER	COUNTRY
-000	USA
-001	USA (1800)
-002	DENMARK/NORWAY
-003	SWEDEN/FINLAND
-004	GERMANY
-005	SPAIN
-006	USA (CMC)
-007	UNITED KINGDOM (KODE)
-008	USA (UNIVAC)
-009	ASCII (UNIVAC)
-010	INTERNATIONAL/SWEDISH (ESSELTE)

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790104-06

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR MANUFACURING OR ANY OTHER PURPOSE WITHOUT PRIOR WRITTEN PERMISSION OF PERTEC COMPUTER CORPORATION.

REVISIONS

REV	DESCRIPTION	DRFTG	APPVD	DATE
29	CODE 10 RELEASE W/O CHANGES PER DCO 10848	JN/LM	88	6/18/81

APPLICATION

NEXT ASSY	MODEL
	4141
	4143
	1800
	3143

FOR NOTES SEE SHEET 2

SHEET	34	35	36	37										
REV	29	29	29	29										
SHEET	26P	26R	26S	26T	26U	26V	26W	27	28	29	30	31	32	33
REV	29	29	29	29	29	29	29	29	29	29	29	29	29	29
SHEET	26	26A	26B	26C	26D	26E	26F	26G	26H	26J	26K	26L	26M	26N
REV	29	29	29	29	29	29	29	29	29	29	29	29	29	29
SHEET	12	13	14	15	16	17	18	19	20	21	22	23	24	25
REV	29	29	29	29	29	29	29	29	29	29	29	29	29	29

REV STATUS OF SHEETS												
	SHEET	1	2	3	4	5	6	7	8	9	10	11
	REV	29	29	29	29	29	29	29	29	29	29	29

DRAWN	SIMMONS/mv	9/13/76
CHECK	J NORTON	9/22/76
APPR	STEPHENSON	9/22/76
RELEASE	G. BRINK	9/22/76

PCC PERTEC COMPUTER CORPORATION

DATA SYSTEMS OPERATIONS DIVISION

TITLE

KEYTOP SETS, TYPEWRITER/NUM PAD

UNLESS OTHERWISE SPECIFIED
1 TOLERANCES
.xx ±.03 ANGULAR
.xxx ±.010 ±0°30'
2 REMOVE ALL BURRS
3 BREAK ALL SHARP EDGES .010 APPROX
4 MACH SURFACES 125 OR BETTER
5 INTERPRET DWG PER ANS Y14
6 DIM ARE IN INCHES

CODE IDENT. NO.	SIZE	DWG NO.	REV.
D C CODE 10	A	420200	29
SCALE NONE	DO NOT SCALE DWG	SHEET 1	OF 37

790101-07

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, TYPEWRITER/NUM PAD | Advance Approval | Sheet 3 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420169-811	KEYTOP	S2
2	1	420169-753	KEYTOP	S3
3	1	420169-754	KEYTOP	S4
4	1	420169-755	KEYTOP	S5
5	1	420169-756	KEYTOP	S6
6	1	420169-757	KEYTOP	S7
7	1	420169-758	KEYTOP	S8
8	1	420169-759	KEYTOP	S9
9	1	420169-760	KEYTOP	S10
10	1	420169-761	KEYTOP	S11
11	1	420169-762	KEYTOP	S12
12	1	420169-763	KEYTOP	S13
13	1	420169-821	KEYTOP	S14
14	1	420169-822	KEYTOP	S15
15	1	420169-823	KEYTOP	S16
16	1	420169-705	KEYTOP	S17
17	1	420169-824	KEYTOP	S18
18	1	420169-825	KEYTOP	S19
19	1	420169-700	KEYTOP	S20
20	1	420169-775	KEYTOP	S21
21	1	420169-776	KEYTOP	S22

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, TYPEWRITER/NUM PAD | Advance Approval | Sheet 4 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation (1)
22	1	420169-777	KEYTOP	S23
23	1	420169-778	KEYTOP	S24
24	1	420169-779	KEYTOP	S25
25	1	420169-780	KEYTOP	S26
26	1	420169-781	KEYTOP	S27
27	1	420169-782	KEYTOP	S28
28	1	420169-783	KEYTOP	S29
29	1	420169-784	KEYTOP	S30
30	1	420169-638	KEYTOP	S31
31	1	420169-945	KEYTOP	S33
32	1	420169-801	KEYTOP	S34
33	1	420169-802	KEYTOP	S35
34	1	420169-803	KEYTOP	S36
35	1	420169-809	KEYTOP	S38
36	1	420169-724	KEYTOP	S39
37	1	420169-764	KEYTOP	S40
38	1	420169-765	KEYTOP	S41
39	1	420169-766	KEYTOP	S42
40	1	420169-767	KEYTOP	S43
41	1	420169-768	KEYTOP	S44
42	1	420169-769	KEYTOP	S45

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, TYPEWRITER/NUM PAD | Advance Approval | Sheet 5 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation (1)
43	1	420169-770	KEYTOP	S46
44	1	420169-771	KEYTOP	S47
45	1	420169-772	KEYTOP	S48
46	1	420169-773	KEYTOP	S49
47	1	420169-812	KEYTOP	S50
48	1	420169-774	KEYTOP	S51
49	1	420169-798	KEYTOP	S52
50	1	420169-799	KEYTOP	S53
51	1	420169-800	KEYTOP	S54
52	1	420169-815	KEYTOP	S55
53	1	420169-810	KEYTOP	S56
54	1	420169-785	KEYTOP	S57
55	1	420169-786	KEYTOP	S58
56	1	420169-787	KEYTOP	S59
57	1	420169-788	KEYTOP	S60
58	1	420169-789	KEYTOP	S61
59	1	420169-790	KEYTOP	S62
60	1	420169-791	KEYTOP	S63
61	1	420169-792	KEYTOP	S64
62	1	420169-793	KEYTOP	S65
63	1	420169-794	KEYTOP	S66

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, TYPEWRITER/NUM PAD | Advance Approval | Sheet 6 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -000	Part No.	Nomenclature or Description	Reference Designation (1)
64	1	420169-826	KEYTOP	S67
65	1	420169-948	KEYTOP	S68
66	1	420169-795	KEYTOP	S69
67	1	420169-796	KEYTOP	S70
68	1	420169-797	KEYTOP	S71
69	1	420169-817	KEYTOP	S73
70	1	420169-745	KEYTOP	S74
71	1	220336-005	KEYTOP	S77
72	1	420169-813	KEYTOP	S80
73	1	420169-827	KEYTOP	S81
74	1	420169-820	KEYTOP	S82
75	1	420169-828	KEYTOP	S83
76	1	420169-829	KEYTOP	S84

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, TYPEWRITER/NUM PAD | Advance Approval | Sheet 7 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -00	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420169- 04	KEYTOP	S2
2	1	753		S3
3	1	905		S4
4	1	906		S5
5	1	907		S6
6	1	908		S7
7	1	909		S8
8	1	759		S9
9	1	760		S10
10	1	761		S11
11	1	762		S12
12	1	763		S13
13	1	910		S14
14	1	911		S15
15	1	912		S16
16	1	913		S17
17	1	825		S18
18	1	914		S19
19	1	903		S20
20	1	420169-775	KEYTOP	S21

PERTEC BUSINESS SYSTEMS — MATERIAL LIST

Title: KEYTOP SETS, TYPEWRITER/NUM PAD | Advance Approval | Sheet 8 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -00	Part No.	Nomenclature or Description	Reference Designation (1)
21	1	420169-776	KEYTOP	S22
22	1	777		S23
23	1	778		S24
24	1	779		S25
25	1	780		S26
26	1	781		S27
27	1	782		S28
28	1	783		S29
29	1	784		S30
30	1	915		S31
31	1	917		S33
32	1	801		S34
33	1	802		S35
34	1	803		S36
35				
36	1	806		S38
37	1	724		S39
38	1	764		S40
39	1	765		S41
40	1	420169-766	KEYTOP	S42

PERTEC BUSINESS SYSTEMS

MATERIAL LIST

Title: KEYTOP SETS, TYPEWRITER/NUM PAD | Advance Approval | Sheet 9 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-00			
41						1	420169-767	KEYTOP	S43
42						1	768		S44
43						1	769		S45
44						1	770		S46
45						1	771		S47
46						1	772		S48
47						1	773		S49
48						1	916		S50
49						1	918		S51
50						1	798		S52
51						1	799		S53
52						1	800		S54
53						1	919		S55
54						1	810		S56
55						1	735		S57
56						1	921		S58
57						1	922		S59
58						1	923		S60
59						1	924		S61
60						1	420169-925	KEYTOP	S62

PERTEC BUSINESS SYSTEMS

MATERIAL LIST

Title: KEYTOP SETS, TYPEWRITER/NUM PAD | Advance Approval | Sheet 10 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-001			
61						1	420169-926	KEYTOP	S63
62						1	927		S64
63						1	928		S65
64.						1	794		S66
65						1	826		S67
66						1	929		S68
67						1	795		S69
68						1	796		S70
69						1	797		S71
70						1	892		S73
71						1	420169-890	KEYTOP	S74
72						1	220336-005	KEYTOP	S77
73						1	420169-930	KEYTOP	S80
74						1	827		S81
75						1	820		S82
76						1	828		S83
77						1	420169- 946	KEYTOP	S84

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MATERIAL LIST

Sheet 11 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-002			
1						1	420169-811	KEYTOP	S2
2						1	420169-753	KEYTOP	S3
3						1	420169-754	KEYTOP	S4
4						1	420169-755	KEYTOP	S5
5						1	420169-756	KEYTOP	S6
6						1	420169-981	KEYTOP	S7
7						1	420169-758	KEYTOP	S8
8						1	420169-759	KEYTOP	S9
9						1	420169-760	KEYTOP	S10
10						1	420169-761	KEYTOP	S11
11						1	420169-762	KEYTOP	S12
12						1	420169-763	KEYTOP	S13
13						1	420169-821	KEYTOP	S14
14						1	420169-822	KEYTOP	S15
15						1	420169-823	KEYTOP	S16
16						1	420169-705	KEYTOP	S17
17						1	420169-824	KEYTOP	S18
18						1	420169-825	KEYTOP	S19
19						1	420169-700	KEYTOP	S20
20						1	420169-775	KEYTOP	S21
21						1	420169-776	KEYTOP	S22
22						1	420169-777	KEYTOP	S23
23						1	420169-778	KEYTOP	S24

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Sheet 12 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-002			
24						1	420169-779	KEYTOP	S25
25						1	420169-780	KEYTOP	S26
26						1	420169-781	KEYTOP	S27
27						1	420169-782	KEYTOP	S28
28						1	420169-783	KEYTOP	S29
29						1	420169-784	KEYTOP	S30
30						1	420169-638	KEYTOP	S31
31						1	420169-945	KEYTOP	S33
32						1	420169-801	KEYTOP	S34
33						1	420169-802	KEYTOP	S35
34						1	420169-803	KEYTOP	S36
35						1	420169-809	KEYTOP	S38
36						1	420169-724	KEYTOP	S39
37						1	420169-764	KEYTOP	S40
38						1	420169-765	KEYTOP	S41
39						1	420169-766	KEYTOP	S42
40						1	420169-767	KEYTOP	S43
41						1	420169-768	KEYTOP	S44
42						1	420169-769	KEYTOP	S45
43						1	420169-770	KEYTOP	S46
44						1	420169-771	KEYTOP	S47
45						1	420169-982	KEYTOP	S48
46						1	420169-983	KEYTOP	S49

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Sheet 13 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-002			
47						1	420169-812	KEYTOP	S50
48						1	420169-774	KEYTOP	S51
49						1	420169-798	KEYTOP	S52
50						1	420169-799	KEYTOP	S53
51						1	420169-800	KEYTOP	S54
52						1	420169-815	KEYTOP	S55
53						1	420169-810	KEYTOP	S56
54						1	420169-785	KEYTOP	S57
55						1	420169-786	KEYTOP	S58
56						1	420169-787	KEYTOP	S59
57						1	420169-788	KEYTOP	S60
58						1	420169-789	KEYTOP	S61
59						1	420169-790	KEYTOP	S62
60						1	420169-791	KEYTOP	S63
61						1	420169-984	KEYTOP	S64
62						1	420169-985	KEYTOP	S65
63						1	420169-986	KEYTOP	S66
64						1	420169-826	KEYTOP	S67
65						1	420169-948	KEYTOP	S68
66						1	420169-795	KEYTOP	S69
67						1	420169-796	KEYTOP	S70
68						1	420169-797	KEYTOP	S71

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MATERIAL LIST

Sheet 14 | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required						Part No.	Nomenclature or Description	Reference Designation (1)
						-002			
69						1	420169-817	KEYTOP	S73
70						1	420169-745	KEYTOP	S74
71						1	220336-005	KEYTOP	S77
72						1	420169-813	KEYTOP	S80
73						1	420169-827	KEYTOP	S81
74						1	420169-820	KEYTOP	S82
75						1	420169-828	KEYTOP	S83
76						1	420169-829	KEYTOP	S84

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BUSINESS SYSTEMS — MATERIAL LIST — Sheet 15 — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required					-003	Part No.	Nomenclature or Description	Reference Designation (1)
1						1	420169-811	KEYTOP	S2
2						1	420169-753	KEYTOP	S3
3						1	420169-754	KEYTOP	S4
4						1	420169-755	KEYTOP	S5
5						1	420169-756	KEYTOP	S6
6						1	420169-981	KEYTOP	S7
7						1	420169-758	KEYTOP	S8
8						1	420169-759	KEYTOP	S9
9						1	420169-760	KEYTOP	S10
10						1	420169-761	KEYTOP	S11
11						1	420169-762	KEYTOP	S12
12						1	420169-763	KEYTOP	S13
13						1	420169-821	KEYTOP	S14
14						1	420169-822	KEYTOP	S15
15						1	420169-823	KEYTOP	S16
16						1	420169-705	KEYTOP	S17
17						1	420169-824	KEYTOP	S18
18						1	420169-825	KEYTOP	S19
19						1	420169-700	KEYTOP	S20
20						1	420169-775	KEYTOP	S21
21						1	420169-776	KEYTOP	S22
22						1	420169-777	KEYTOP	S23
23						1	420169-778	KEYTOP	S24

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BUSINESS SYSTEMS — MATERIAL LIST — Sheet 16 — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required					-003	Part No.	Nomenclature or Description	Reference Designation (1)
24						1	420169-779	KEYTOP	S25
25						1	420169-780	KEYTOP	S26
26						1	420169-781	KEYTOP	S27
27						1	420169-782	KEYTOP	S28
28						1	420169-783	KEYTOP	S29
29						1	420169-784	KEYTOP	S30
30						1	420169-638	KEYTOP	S31
31						1	420169-945	KEYTOP	S33
32						1	420169-801	KEYTOP	S34
33						1	420169-802	KEYTOP	S35
34						1	420169-803	KEYTOP	S36
35						1	420169-809	KEYTOP	S38
36						1	420169-724	KEYTOP	S39
37						1	420169-764	KEYTOP	S40
38						1	420169-765	KEYTOP	S41
39						1	420169-766	KEYTOP	S42
40						1	420169-767	KEYTOP	S43
41						1	420169-768	KEYTOP	S44
42						1	420169-769	KEYTOP	S45
43						1	420169-770	KEYTOP	S46
44						1	420169-771	KEYTOP	S47
45						1	420169-994	KEYTOP	S48
46						1	420169-998	KEYTOP	S49

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BUSINESS SYSTEMS — MATERIAL LIST — Sheet 17 — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required					-003	Part No.	Nomenclature or Description	Reference Designation (1)
47						1	420169-812	KEYTOP	S50
48						1	420169-774	KEYTOP	S51
49						1	420169-798	KEYTOP	S52
50						1	420169-799	KEYTOP	S53
51						1	420169-800	KEYTOP	S54
52						1	420169-815	KEYTOP	S55
53						1	420169-810	KEYTOP	S56
54						1	420169-785	KEYTOP	S57
55						1	420169-786	KEYTOP	S58
56						1	420169-787	KEYTOP	S59
57						1	420169-788	KEYTOP	S60
58						1	420169-789	KEYTOP	S61
59						1	420169-790	KEYTOP	S62
60						1	420169-791	KEYTOP	S63
61						1	420169-995	KEYTOP	S64
62						1	420169-996	KEYTOP	S65
63						1	420169-997	KEYTOP	S66
64						1	420169-826	KEYTOP	S67
65						1	420169-948	KEYTOP	S68
66						1	420169-795	KEYTOP	S69
67						1	420169-796	KEYTOP	S70
68						1	420169-797	KEYTOP	S71
69						1	420169-817	KEYTOP	S73

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BUSINESS SYSTEMS — MATERIAL LIST — Sheet 18 — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required					-003	Part No.	Nomenclature or Description	Reference Designation (1)
70						1	420169-745	KEYTOP	S74
71						1	220336-005	KEYTOP	S77
72						1	420169-813	KEYTOP	S80
73						1	420169-827	KEYTOP	S81
74						1	420169-820	KEYTOP	S82
75						1	420169-828	KEYTOP	S83
76						1	420169-829	KEYTOP	S84

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BUSINESS SYSTEMS — MATERIAL LIST — Sheet 19 — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required					-004	Part No.	Nomenclature or Description	Reference Designation (1)
1						1	420214-064	KEYTOP	S2
2						1	420214-065	KEYTOP	S3
3						1	420214-066	KEYTOP	S4
4						1	420214-067	KEYTOP	S5
5						1	420214-068	KEYTOP	S6
6						1	420214-069	KEYTOP	S7
7						1	420214-070	KEYTOP	S8
8						1	420214-071	KEYTOP	S9
9						1	420214-072	KEYTOP	S10
10						1	420214-073	KEYTOP	S11
11						1	420214-074	KEYTOP	S12
12						1	420214-010	KEYTOP	S13
13						1	420214-075	KEYTOP	S14
14						1	420214-076	KEYTOP	S15
15						1	420214-077	KEYTOP	S16
16						1	420214-078	KEYTOP	S17
17						1	420214-079	KEYTOP	S18
18						1	420214-080	KEYTOP	S19
19						1	420214-081	KEYTOP	S20
20						1	420214-082	KEYTOP	S21
21						1	420214-083	KEYTOP	S22
22						1	420214-084	KEYTOP	S23
23						1	420214-085	KEYTOP	S24

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BUSINESS SYSTEMS — MATERIAL LIST — Sheet 20 — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required					-004	Part No.	Nomenclature or Description	Reference Designation (1)
24						1	420214-086	KEYTOP	S25
25						1	420214-087	KEYTOP	S26
26						1	420214-088	KEYTOP	S27
27						1	420214-089	KEYTOP	S28
28						1	420214-090	KEYTOP	S29
29						1	420214-091	KEYTOP	S30
30						1	420214-092	KEYTOP	S31
31						1	420214-025	KEYTOP	S32
32						1	420214-093	KEYTOP	S33
33						1	420214-094	KEYTOP	S34
34						1	420214-095	KEYTOP	S35
35						1	420214-096	KEYTOP	S36
36						1	420214-097	KEYTOP	S38
37						1	420214-027	KEYTOP	S39
38						1	420214-098	KEYTOP	S40
39						1	420214-099	KEYTOP	S41
40						1	420214-100	KEYTOP	S42
41						1	420214-101	KEYTOP	S43
42						1	420214-102	KEYTOP	S44
43						1	420214-103	KEYTOP	S45
44						1	420214-104	KEYTOP	S46
45						1	420214-105	KEYTOP	S47
46						1	420214-106	KEYTOP	S48

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MATERIAL LIST — Sheet 21 — ML Dwg. No. 420200 — Rev. 29 — 1

Item No.	Quantity Required -004	Part No.	Nomenclature or Description	Reference Designation
47	1	420214-107	KEYTOP	S49
48	1	420214-108	KEYTOP	S51
49	1	420214-109	KEYTOP	S52
50	1	420214-110	KEYTOP	S53
51	1	420214-111	KEYTOP	S54
52	1	420214-112	KEYTOP	S55
53	1	420214-113	KEYTOP	S56
54	1	420214-114	KEYTOP	S57
55	1	420214-115	KEYTOP	S58
56	1	420214-116	KEYTOP	S59
57	1	420214-117	KEYTOP	S60
58	1	420214-118	KEYTOP	S61
59	1	420214-119	KEYTOP	S62
60	1	420214-120	KEYTOP	S63
61	1	420214-121	KEYTOP	S64
62	1	420214-122	KEYTOP	S65
63	1	420214-123	KEYTOP	S66
64	1	420214-124	KEYTOP	S67
65	1	420214-125	KEYTOP	S68
66	1	420214-126	KEYTOP	S69
67	1	420214-127	KEYTOP	S70
68	1	420214-128	KEYTOP	S71
69	1	420214-129	KEYTOP	S73

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MATERIAL LIST — Sheet 22 — ML Dwg. No. 420200 — Rev. 29 — 1

Item No.	Quantity Required -004	Part No.	Nomenclature or Description	Reference Designation
70	1	420214-051	KEYTOP	S74
71	1	220336-009	KEYTOP	S77
72	1	420214-216	KEYTOP	S80
73	1	420214-131	KEYTOP	S81
74	1	420214-063	KEYTOP	S82
75	1	420214-132	KEYTOP	S83
76	1	420214-133	KEYTOP	S84

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MATERIAL LIST — Sheet 23 — ML Dwg. No. 420200 — Rev. 29 — 1

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	Reference Designation
1	1	420169-811	KEYTOP	S2
2	1	420217-181	KEYTOP	S3
3	1	420217-182	KEYTOP	S4
4	1	420169-755	KEYTOP	S5
5	1	420169-756	KEYTOP	S6
6	1	420169-757	KEYTOP	S7
7	1	420169-758	KEYTOP	S8
8	1	420169-759	KEYTOP	S9
9	1	420169-760	KEYTOP	S10
10	1	420169-761	KEYTOP	S11
11	1	420169-762	KEYTOP	S12
12	1	420169-763	KEYTOP	S13
13	1	420217-200	KEYTOP	S14
14	1	420217-201	KEYTOP	S15
15	1	420217-202	KEYTOP	S16
16	1	420169-705	KEYTOP	S17
17	1	420169-824	KEYTOP	S18
18	1	420217-203	KEYTOP	S19
19	1	420169-700	KEYTOP	S20
20	1	420169-775	KEYTOP	S21
21	1	420169-776	KEYTOP	S22
22	1	420169-777	KEYTOP	S23
23	1	420169-778	KEYTOP	S24

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MATERIAL LIST — Sheet 24 — ML Dwg. No. 420200 — Rev. 29 — 1

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	Reference Designation
24	1	420169-779	KEYTOP	S25
25	1	420169-780	KEYTOP	S26
26	1	420169-781	KEYTOP	S27
27	1	420169-782	KEYTOP	S28
28	1	420169-783	KEYTOP	S29
29	1	420169-784	KEYTOP	S30
30	1	420217-204	KEYTOP	S31
31	1	420217-205	KEYTOP	S33
32	1	420169-801	KEYTOP	S34
33	1	420169-802	KEYTOP	S35
34	1	420169-803	KEYTOP	S36
35	1	420217-206	KEYTOP	S38
36	1	420169-724	KEYTOP	S39
37	1	420169-764	KEYTOP	S40
38	1	420169-765	KEYTOP	S41
39	1	420169-766	KEYTOP	S42
40	1	420169-767	KEYTOP	S43
41	1	420169-768	KEYTOP	S44
42	1	420169-769	KEYTOP	S45
43	1	420169-770	KEYTOP	S46
44	1	420169-771	KEYTOP	S47
45	1	420217-183	KEYTOP	S48
46	1	420169-773	KEYTOP	S49

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MATERIAL LIST — Sheet 25 — ML Dwg. No. 420200 — Rev. 29 — 1

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	Reference Designation
47	1	420217-190	KEYTOP	S50
48	1	420217-207	KEYTOP	S51
49	1	420169-798	KEYTOP	S52
50	1	420169-799	KEYTOP	S53
51	1	420169-800	KEYTOP	S54
52	1	420217-208	KEYTOP	S55
53	1	420217-209	KEYTOP	S56
54	1	420169-785	KEYTOP	S57
55	1	420169-786	KEYTOP	S58
56	1	420169-787	KEYTOP	S59
57	1	420169-788	KEYTOP	S60
58	1	420169-789	KEYTOP	S61
59	1	420169-790	KEYTOP	S62
60	1	420169-791	KEYTOP	S63
61	1	420169-792	KEYTOP	S64
62	1	420169-793	KEYTOP	S65
63	1	420169-794	KEYTOP	S66
64	1	420217-210	KEYTOP	S67
65	1	420169-948	KEYTOP	S68
66	1	420169-795	KEYTOP	S69
67	1	420169-796	KEYTOP	S70
68	1	420169-797	KEYTOP	S71
69	1	420217-211	KEYTOP	S73

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BUSINESS SYSTEMS

MATERIAL LIST — Sheet 26 — ML Dwg. No. 420200 — Rev. 29 — 1

Item No.	Quantity Required -005	Part No.	Nomenclature or Description	Reference Designation
70	1	420217-197	KEYTOP	S74
71	1	220336-005	KEYTOP	S77
72	1	420217-212	KEYTOP	S80
73	1	420217-213	KEYTOP	S81
74	1	420169-820	KEYTOP	S82
75	1	420169-828	KEYTOP	S83
76	1	420217-214	KEYTOP	S84

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26A — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -006	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420217-290	KEYTOP	S2
2	1	291		S3
3	1	292		S4
4	1	293		S5
5	1	294		S6
6	1	295		S7
7	1	296		S8
8	1	297		S9
9	1	298		S10
10	1	299		S11
11	1	300		S12
12	1	301		S13
13	1	302		S14
14	1	240		S15
15	1	241		S16
16	1	244		S17
17	1	245		S18
18	1	247		S19
19	1	303		S20
20	1	420217-304	KEYTOP	S21

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26B — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -006	Part No.	Nomenclature or Description	Reference Designation (1)
21	1	420217-305	KEYTOP	S22
22	1	306		S23
23	1	307		S24
24	1	308		S25
25	1	309		S26
26	1	310		S27
27	1	311		S28
28	1	312		S29
29	1	313		S30
30	1	258		S31
31	1	314		S33
32	1	315		S34
33	1	316		S35
34	1	317		S36
35				
36	1	318		S38
37	1	261		S39
38	1	319		S40
39	1	320		S41
40	1	420217-321	KEYTOP	S42

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26C — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -006	Part No.	Nomenclature or Description	Reference Designation (1)
41	1	420217-322	KEYTOP	S43
42	1	323		S44
43	1	324		S45
44	1	325		S46
45	1	326		S47
46	1	327		S48
47	1	328		S49
48	1	259		S50
49	1	329		S51
50	1	330		S52
51	1	331		S53
52	1	332		S54
53	1	333		S55
54	1	355		S56
55	1	273		S57
56	1	335		S58
57	1	336		S59
58	1	337		S60
59	1	338		S61
60	1	420217-339	KEYTOP	S62

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26D — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -006	Part No.	Nomenclature or Description	Reference Designation (1)
61	1	420217-340	KEYTOP	S63
62	1	341		S64
63	1	342		S65
64	1	343		S66
65	1	356		S67
66	1	345		S68
67	1	346		S69
68	1	347		S70
69	1	348		S71
70	1	349		S73
71	1	420217-285	KEYTOP	S74
72	1	220336-011	KEYTOP	S77
73	1	420217-350	KEYTOP	S80
74	1	351		S81
75	1	352		S82
76	1	353		S83
77	1	420217-354	KEYTOP	S84

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26E — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -007	Part No.	Nomenclature or Description	Reference Designation (1)
1	1	420169-811	KEYTOP	S2
2	1	420169-753		S3
3	1	420169-754		S4
4	1	420217-363		S5
5	1	420169-756		S6
6	1	420217-364		S7
7	1	420169-758		S8
8	1	759		S9
9	1	760		S10
10	1	761		S11
11	1	762		S12
12	1	763		S13
13	1	821		S14
14	1	822		S15
15	1	823		S16
16	1	705		S17
17	1	824		S18
18	1	825		S19
19	1	700		S20
20	1	775		S21
21	1	776		S22
22	1	777		S23
23	1	778		S24
24	1	779		S25
25	1	780		S26
26	1	420169-781	KEYTOP	S27

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26F — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -007	Part No.	Nomenclature or Description	Reference Designation (1)
27	1	420169-782	KEYTOP	S28
28	1	783		S29
29	1	784		S30
30	1	638		S31
31	1	945		S33
32	1	801		S34
33	1	802		S35
34	1	803		S36
35	1	809		S38
36	1	724		S39
37	1	764		S40
38	1	765		S41
39	1	766		S42
40	1	767		S43
41	1	768		S44
42	1	769		S45
43	1	770		S46
44	1	771		S47
45	1	772		S48
46	1	420169-773	KEYTOP	S49

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26G — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -007	Part No.	Nomenclature or Description	Reference Designation ①
47	1	420169-812	KEYTOP	S50
48	1	774		S51
49	1	798		S52
50	1	799		S53
51	1	800		S54
52	1	815		S55
53	1	810		S56
54	1	785		S57
55	1	786		S58
56	1	787		S59
57	1	788		S60
58	1	789		S61
59	1	790		S62
60	1	791		S63
61	1	792		S64
62	1	793		S65
63	1	794		S66
64	1	826		S67
65	1	948		S68
66	1	420169-795	KEYTOP	S69

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26H — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -007	Part No.	Nomenclature or Description	Reference Designation ①
67	1	420169-796	KEYTOP	S70
68	1	797		S71
69	1	817		S73
70	1	420169-745		S74
71	1	220336-005		S77
72	1	420169-813		S80
73	1	827		S81
74	1	820		S82
75	1	828		S83
76	1	420169-829	KEYTOP	S84

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26 J — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -008	Part No.	Nomenclature or Description	Reference Designation ①
1	1	420214-424	KEYTOP	S2
2	1	-425		S3
3	1	-426		S4
4	1	-427		S5
5	1	-428		S6
6	1	-429		S7
7	1	-430		S8
8	1	-431		S9
9	1	-432		S10
10	1	-433		S11
11	1	-434		S12
12	1	-435		S13
13	1	-436		S14
14	1	-437		S15
15	1	-438		S16
16	1	-369		S17
17	1	-440		S18
18	1	420214-441	KEYTOP	S19

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26K — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -008	Part No.	Nomenclature or Description	Reference Designation ①
19	1	420214-442	KEYTOP	S20
20	1	-443		S21
21	1	-444		S22
22	1	-445		S23
23	1	-446		S24
24	1	-447		S25
25	1	-448		S26
26	1	-449		S27
27	1	-450		S28
28	1	-451		S29
29	1	-452		S30
30	1	-453		S31
31	1	-454		S33
32	1	-455		S34
33	1	-456		S35
34	1	-457		S36
35	1	-458		S38
36	1	-390		S39
37	1	420214-460	KEYTOP	S40

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26L — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -008	Part No.	Nomenclature or Description	Reference Designation ①
38	1	420214-461	KEYTOP	S41
39	1	-462		S42
40	1	-463		S43
41	1	-464		S44
42	1	-465		S45
43	1	-466		S46
44	1	-467		S47
45	1	-468		S48
46	1	-469		S49
47	1	-388		S50
48	1	-470		S51
49	1	-471		S52
50	1	-472		S53
51	1	-473		S54
52	1	-474		S55
53	1	-475		S56
54	1	-476		S57
55	1	-477		S58
56	1	420214-478	KEYTOP	S59

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PERTEC COMPUTER CORPORATION

MATERIAL LIST — Sheet 26 M — ML Dwg. No. 420200 — Rev. 29

Item No.	Quantity Required -008	Part No.	Nomenclature or Description	Reference Designation ①
57	1	420214-479	KEYTOP	S60
58	1	-480		S61
59	1	-481		S62
60	1	-482		S63
61	1	-483		S64
62	1	-484		S65
63	1	-485		S66
64	1	-486		S67
65	1	-487		S68
66	1	-488		S69
67	1	-489		S70
68	1	-490		S71
69	1	-459		S73
70	1	420214-414		S74
71	1	220336-014		S77
72	1	420214-491		S80
73	1	420214-492		S81
74	1	420214-423		S82
75	1	420214-493		S83
76	1	420214-494	KEYTOP	S84

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26N | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -009	Part No.	Nomenclature or Description	Reference Designation
1	1	420214-515	KEYTOP	S2
2	1	-516		S3
3	1	-426		S4
4	1	-427		S5
5	1	-428		S6
6	1	-517		S7
7	1	-518		S8
8	1	-519		S9
9	1	-520		S10
10	1	-521		S11
11	1	-522		S12
12	1	-523		S13
13	1	-436		S14
14	1	-369		S15
15	1	-437		S16
16	1	-438		S17
17	1	-440		S18
18	1	-441		S19
19	1	420214-442	KEYTOP	S20

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26P | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -009	Part No.	Nomenclature or Description	Reference Designation
20	1	420214-443	KEYTOP	S21
21	1	-444		S22
22	1	-445		S23
23	1	-446		S24
24	1	-447		S25
25	1	-448		S26
26	1	-449		S27
27	1	-450		S28
28	1	-451		S29
29	1	-452		S30
30	1	-524		S31
31	1	-454		S33
32	1	-455		S34
33	1	-456		S35
34	1	-457		S36
35	1	-458		S38
36	1	-390		S39
37	1	-460		S40
38	1	420214-461	KEYTOP	S41

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26R | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -009	Part No.	Nomenclature or Description	Reference Designation
39	1	420214-462	KEYTOP	S42
40	1	-463		S43
41	1	-464		S44
42	1	-465		S45
43	1	-466		S46
44	1	-467		S47
45	1	-468		S48
46	1	-525		S49
47	1	-388		S50
48	1	-470		S51
49	1	-471		S52
50	1	-472		S53
51	1	-473		S54
52	1	-474		S55
53	1	-475		S56
54	1	-402		S57
55	1	-526		S58
56	1	-527		S59
57	1	-528		S60
58	1	420214-529	KEYTOP	S61

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26S | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -009	Part No.	Nomenclature or Description	Reference Designation
59	1	420214-530	KEYTOP	S62
60	1	-531		S63
61	1	-532		S64
62	1	-533		S65
63	1	-485		S66
64	1	-486		S67
65	1	-487		S68
66	1	-488		S69
67	1	-489		S70
68	1	-490		S71
69	1	-459		S73
70	1	420214-414		S74
71	1	220336-014		S77
72	1	420214-491		S80
73	1	-492		S81
74	1	-423		S82
75	1	-493		S83
76	1	420214-494	KEYTOP	S84

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26T | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -010	Part No.	Nomenclature or Description	Reference Designation
1	1	420169-904	KEYTOP	S2
2	1	420217-543	KEYTOP	S3
3	1	420217-544	KEYTOP	S4
4	1	420217-545	KEYTOP	S5
5	1	420169-907	KEYTOP	S6
6	1	420217-546	KEYTOP	S7
7	1	420217-547	KEYTOP	S8
8	1	420217-548	KEYTOP	S9
9	1	420217-549	KEYTOP	S10
10	1	420217-550	KEYTOP	S11
11	1	420217-551	KEYTOP	S12
12	1	420217-552	KEYTOP	S13
13	1	420169-821	KEYTOP	S14
14	1	420169-709	KEYTOP	S15
15	1	420169-823	KEYTOP	S16
16	1	420169-705	KEYTOP	S17
17	1	420169-822	KEYTOP	S18
18	1	420169-825	KEYTOP	S19
19	1	420169-700	KEYTOP	S20

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26U | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -010	Part No.	Nomenclature or Description	Reference Designation
20	1	420169-775	KEYTOP	S21
21	1	420169-776	KEYTOP	S22
22	1	420169-777	KEYTOP	S23
23	1	420169-778	KEYTOP	S24
24	1	420169-779	KEYTOP	S25
25	1	420169-780	KEYTOP	S26
26	1	420169-781	KEYTOP	S27
27	1	420169-782	KEYTOP	S28
28	1	420169-783	KEYTOP	S29
29	1	420169-784	KEYTOP	S30
30	1	420217-554	KEYTOP	S31
31	1	420217-555	KEYTOP	S32
32	1	420169-945	KEYTOP	S33
33	1	420169-801	KEYTOP	S34
34	1	420169-802	KEYTOP	S35
35	1	420169-803	KEYTOP	S36
36	1	420169-809	KEYTOP	S38
37	1	420169-724	KEYTOP	S39
38	1	420169-764	KEYTOP	S40
39	1	420169-765	KEYTOP	S41

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26V | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -010	Part No.	Nomenclature or Description	Reference Designation
40	1	420169-766	KEYTOP	S42
41	1	420169-767	KEYTOP	S43
42	1	420169-768	KEYTOP	S44
43	1	420169-769	KEYTOP	S45
44	1	420169-770	KEYTOP	S46
45	1	420169-771	KEYTOP	S47
46	1	420217-556	KEYTOP	S48
47	1	420217-557	KEYTOP	S49
48	1	420217-558	KEYTOP	S50
49	1	420169-774	KEYTOP	S51
50	1	420169-798	KEYTOP	S52
51	1	420169-799	KEYTOP	S53
52	1	420169-800	KEYTOP	S54
53	1	420169-815	KEYTOP	S55
54	1	420169-810	KEYTOP	S56
55	1	420217-559	KEYTOP	S57
56	1	420217-560	KEYTOP	S58
57	1	420169-922	KEYTOP	S59
58	1	420169-923	KEYTOP	S60

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PERTEC COMPUTER CORPORATION

MATERIAL LIST

Sheet 26W | ML Dwg. No. 420200 | Rev. 29

Item No.	Quantity Required -010	Part No.	Nomenclature or Description	Reference Designation
59	1	420169-924	KEYTOP	S61
60	1	420169-925	KEYTOP	S62
61	1	420169-926	KEYTOP	S63
62	1	420217-561	KEYTOP	S64
63	1	420217-562	KEYTOP	S65
64	1	420217-563	KEYTOP	S66
65	1	420217-564	KEYTOP	S67
66	1	420169-948	KEYTOP	S68
67	1	420169-795	KEYTOP	S69
68	1	420169-796	KEYTOP	S70
69	1	420169-797	KEYTOP	S71
70	1	420169-817	KEYTOP	S73
71	1	420169-745	KEYTOP	S74
72	1	220336-005	KEYTOP	S77
73	1	420169-813	KEYTOP	S80
74	1	420169-827	KEYTOP	S81
75	1	420169-820	KEYTOP	S82
76	1	420169-828	KEYTOP	S83
77	1	420169-829	KEYTOP	S84

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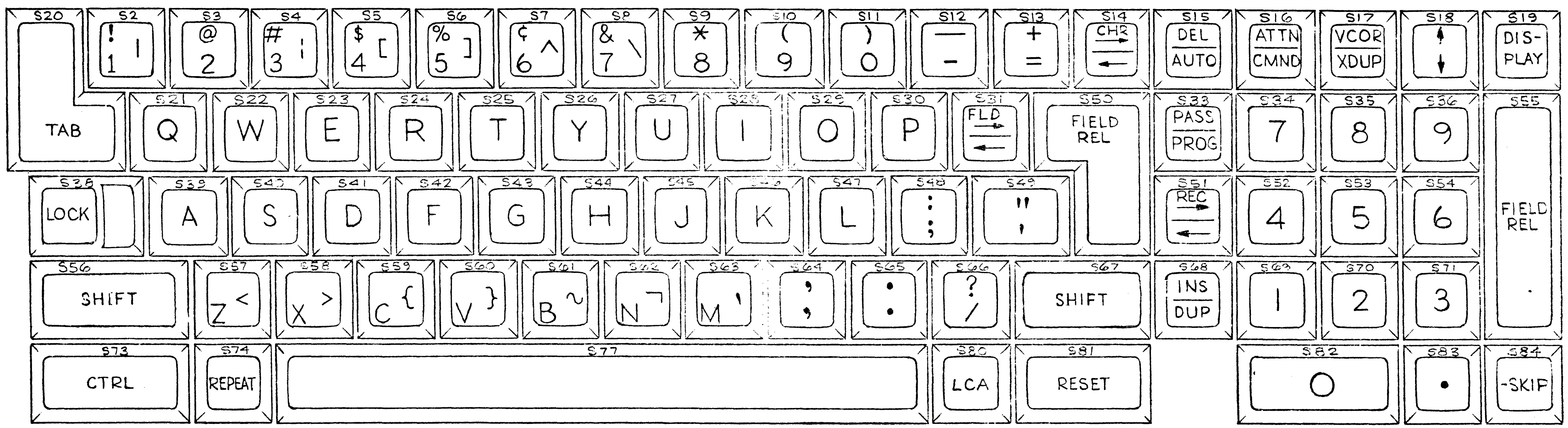

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SIZE	DWG NO	REV
B	420200	29

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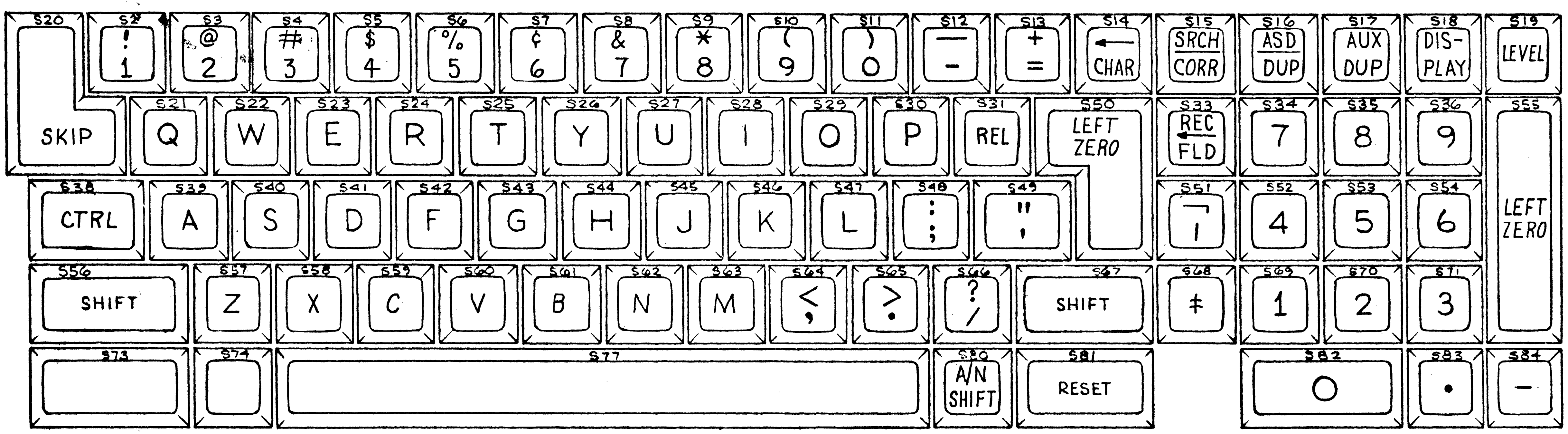

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SIZE	DWG NO	REV
B	420200	29
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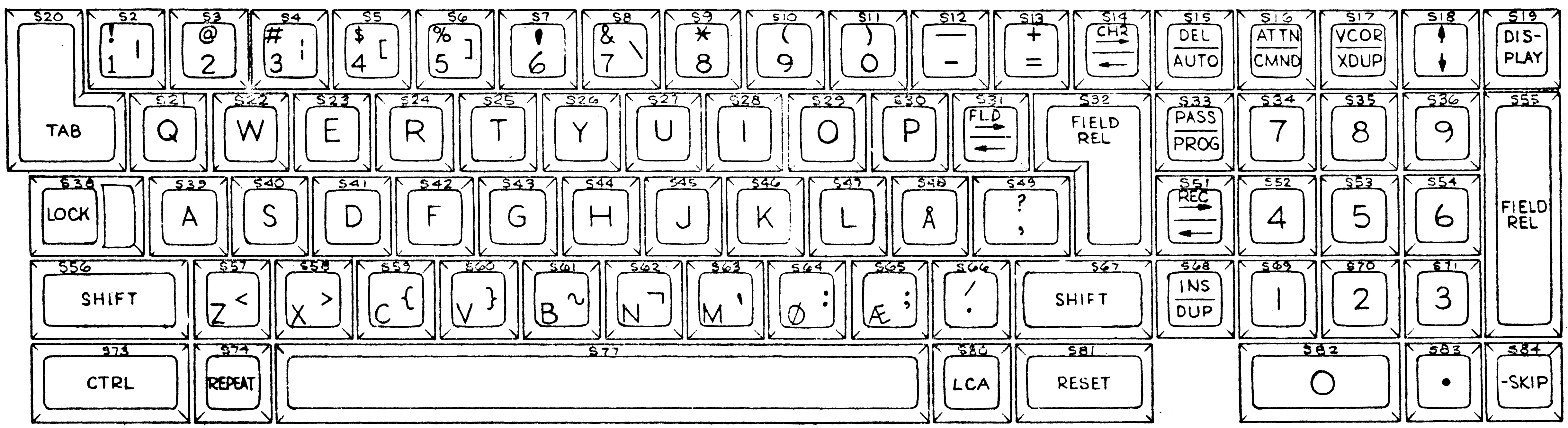

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SIZE	DWG NO	REV
B	420200	29
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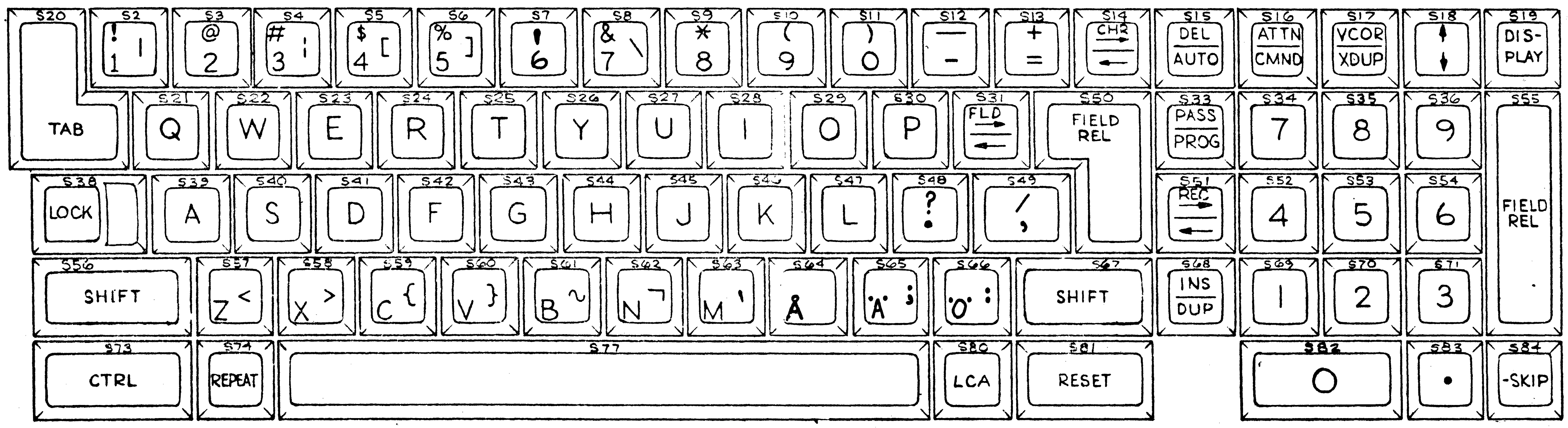

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SIZE	DWG NO	REV
B	420200	29
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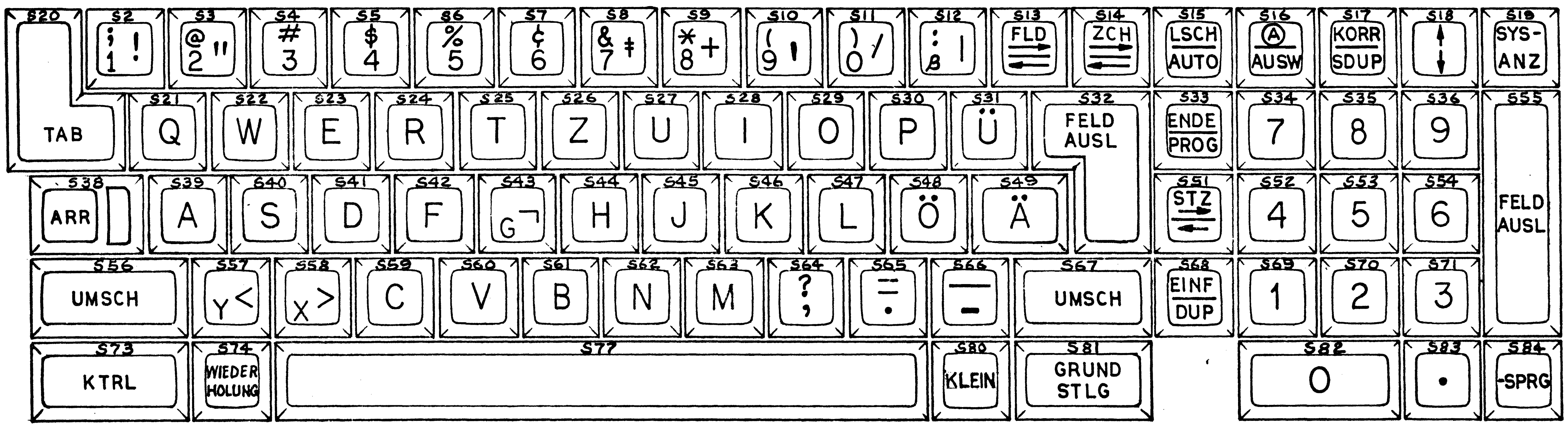

-004

SIZE	DWG NO	REV
B	420200	29
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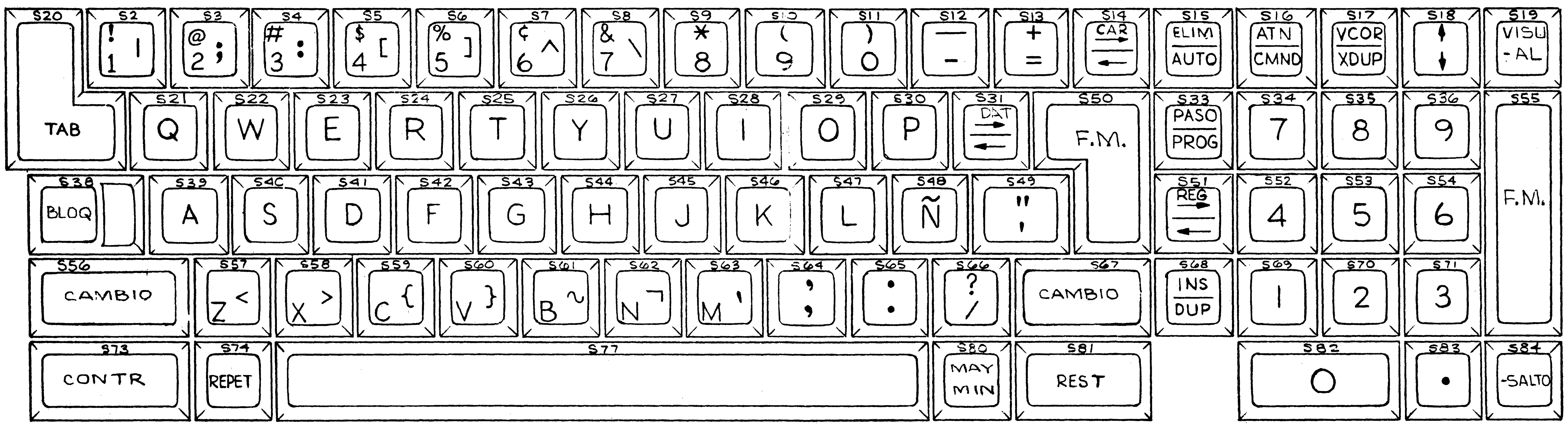

-005

SIZE	DWG NO	REV
B	420200	29

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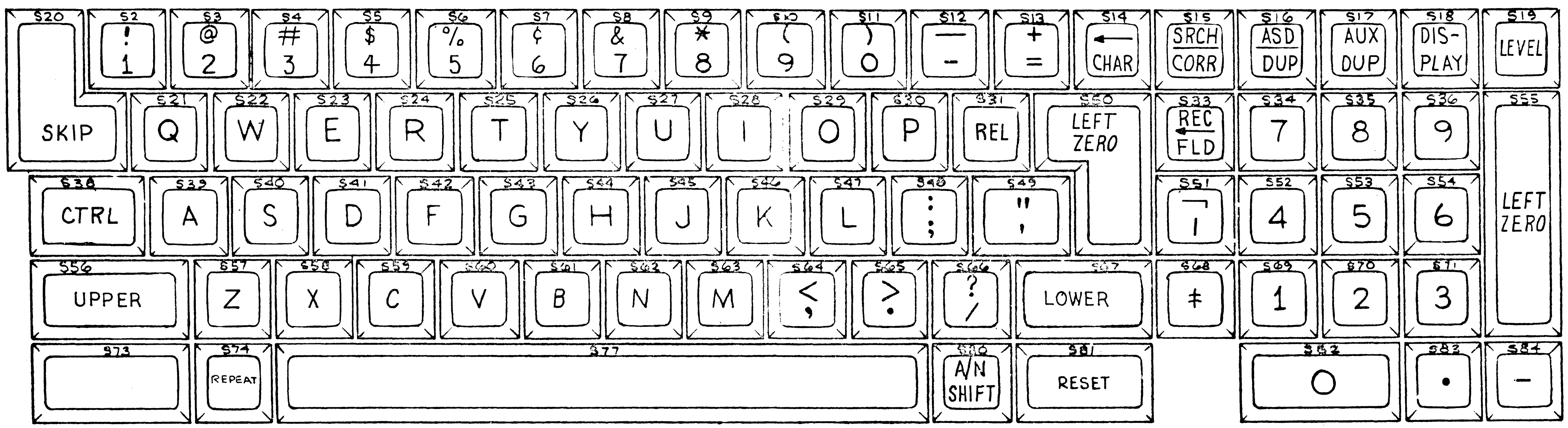

-006

SIZE	DWG NO	REV
D	420200	29

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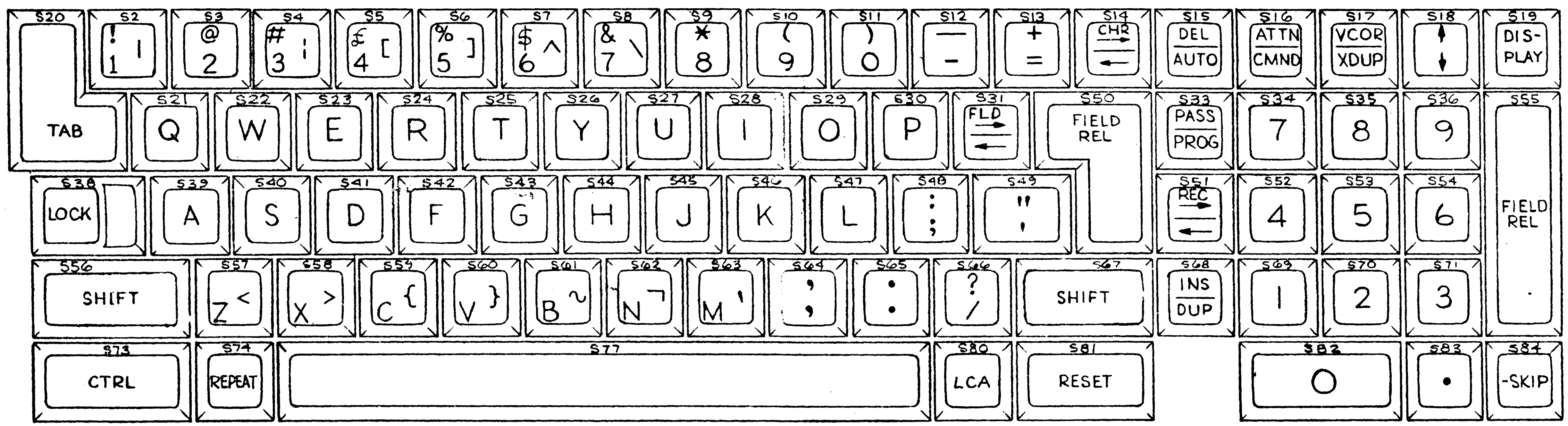

-007

SIZE	DWG NO	REV
B	420200	29
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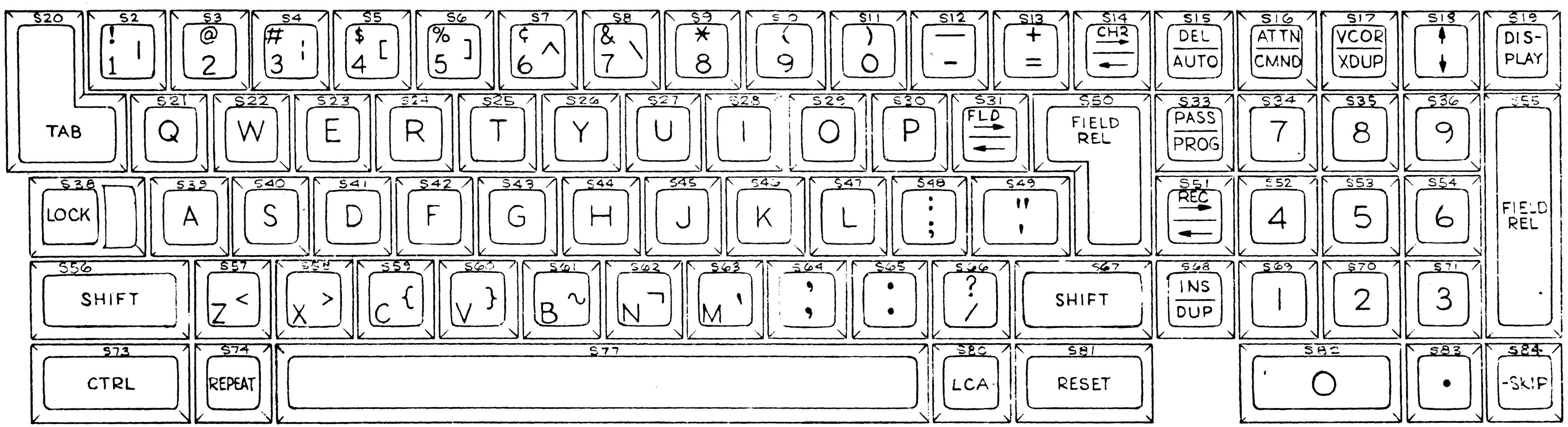

-008

SIZE	DWG NO	REV
B	420200	29
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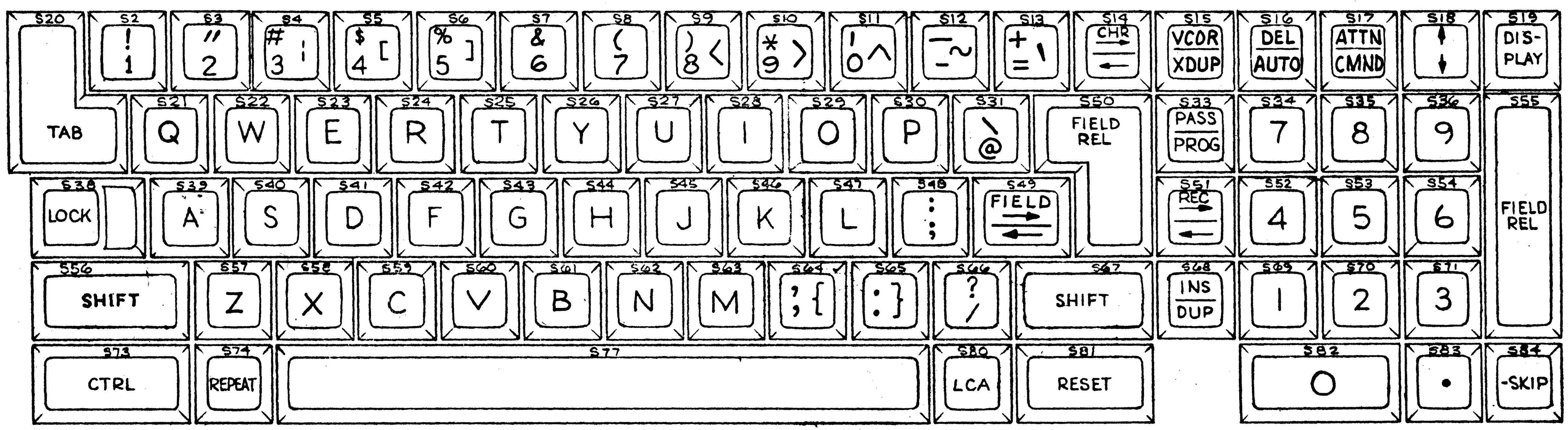

-009

SIZE	DWG NO	REV
B	420200	29
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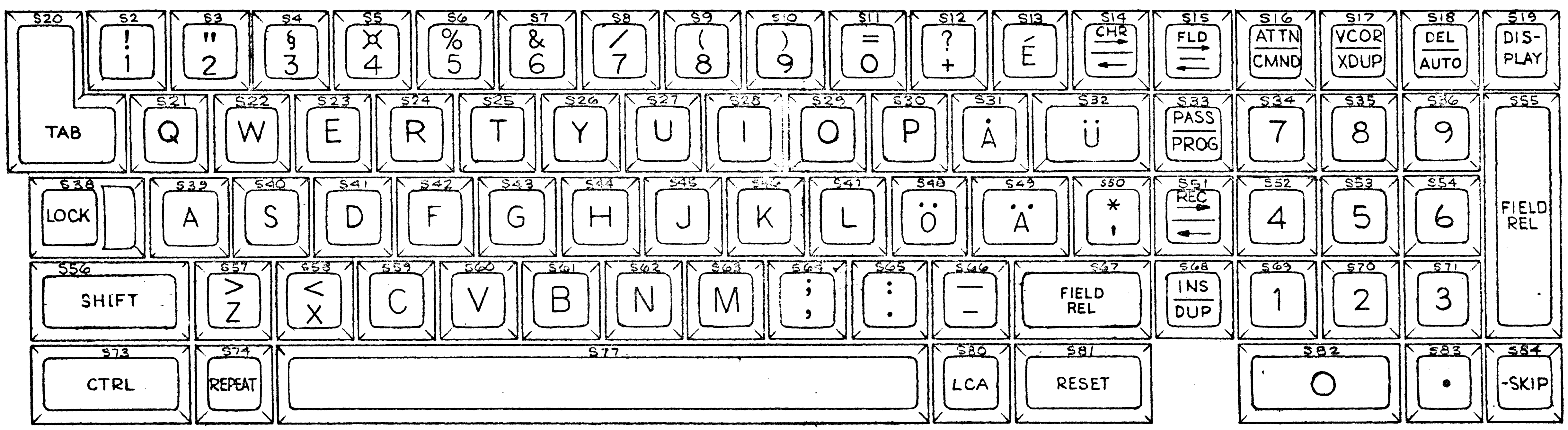

-010

SIZE	DWG NO	REV
B	420200	29
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