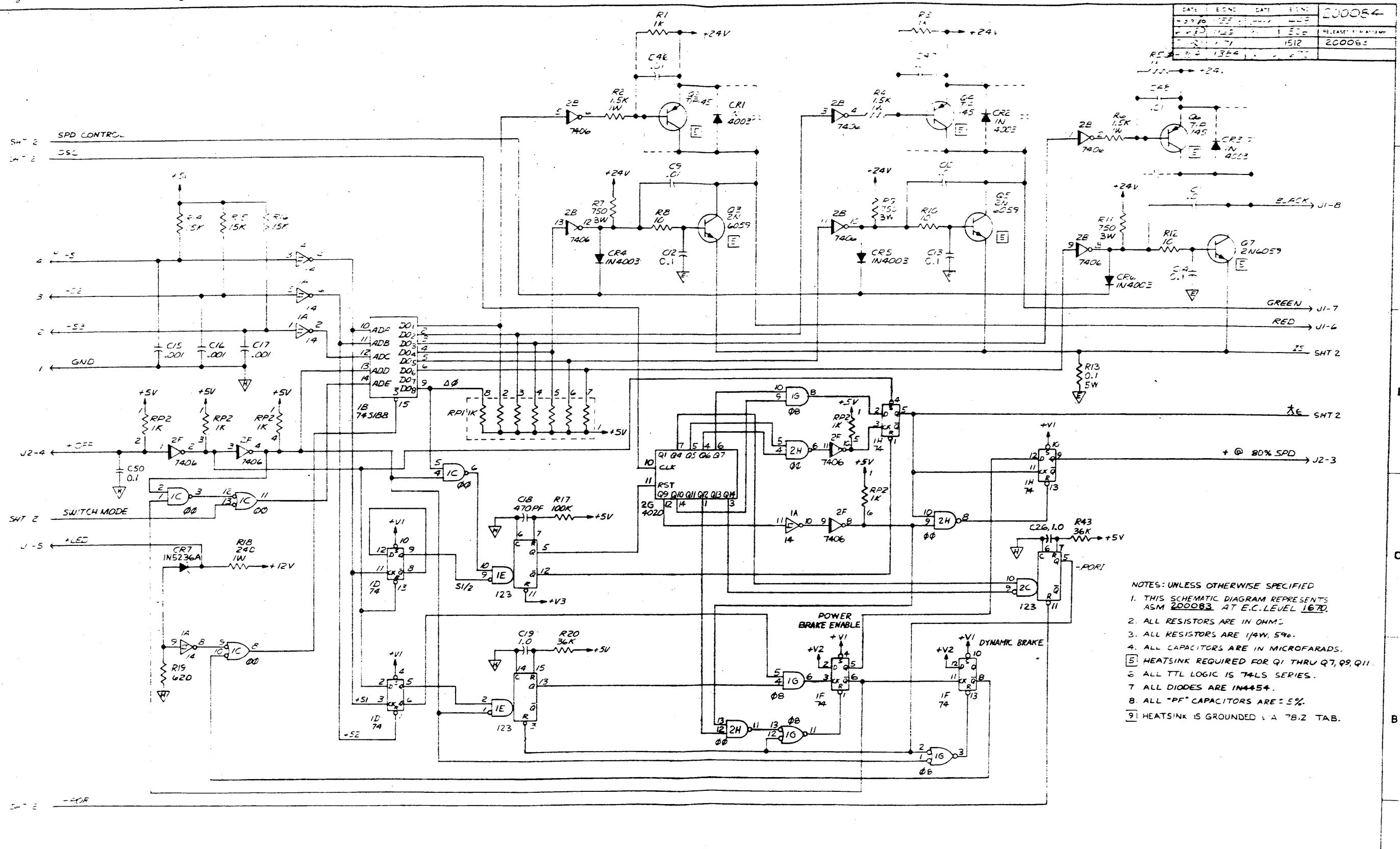


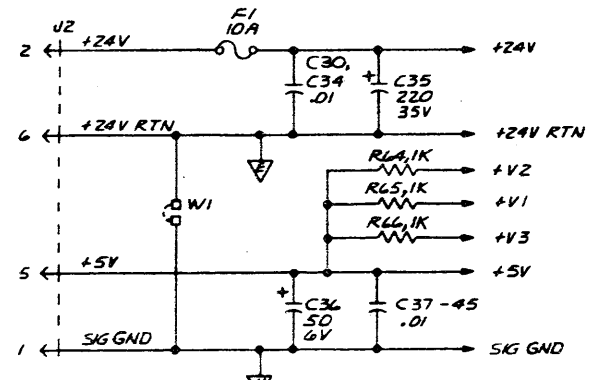
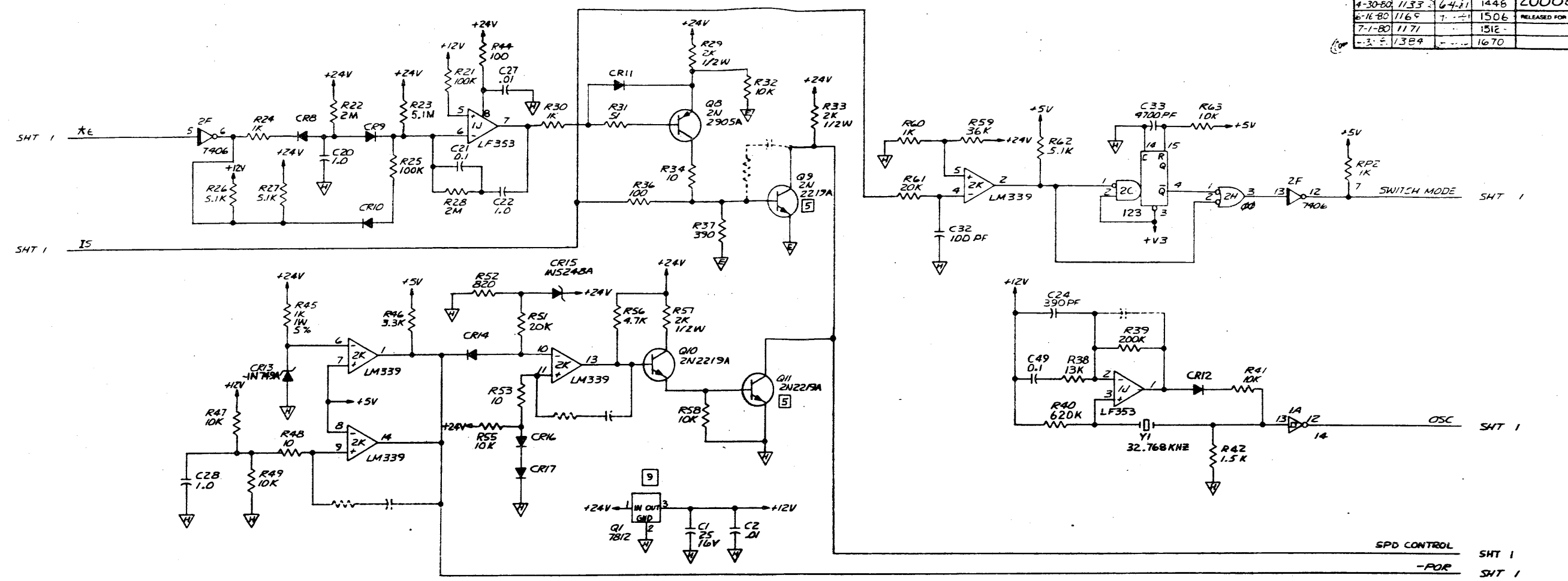
DATE	BY	DATE	BY	200084
1512	1512	1512	1512	200083
1512	1512	1512	1512	200083



- NOTES: UNLESS OTHERWISE SPECIFIED
1. THIS SCHEMATIC DIAGRAM REPRESENTS ASM 200083 AT E.C. LEVEL 1670.
 2. ALL RESISTORS ARE IN OHMS.
 3. ALL RESISTORS ARE 1/4W, 5%.
[5] HEATSINK REQUIRED FOR Q1 THRU Q7, Q9, Q11.
 4. ALL CAPACITORS ARE IN MICROFARADS.
 5. ALL TTL LOGIC IS 74LS SERIES.
 6. ALL DIODES ARE 1N4004.
 7. ALL "PF" CAPACITORS ARE ±5%.
 8. ALL "PF" CAPACITORS ARE ±5%.
 9. HEATSINK IS GROUNDED VIA 78.2 TAB.

MATERIAL	TOLERANCE UNLESS OTHERWISE SPECIFIED	SCHEMATIC DIAGRAM	PRIAM
		19 MOTOR CONTROL	
HARDNESS		DATE 3-25-80	D 200084
SURFACE FINISH			

DATE	E/C NO	DATE	E/C NO	200084
4-30-80	1133	6-4-81	1448	RELEASED FOR ASSEMBLY
6-16-80	1169	7-1-81	1506	
7-1-80	1171		1512	
8-3-80	1384		1670	



I.C. TYPE	LOCATION	UNUSED GATES	+5V	GND	+24V
74LS00	1C, 2H		14	7	
7406	2B, 2F		14	7	
74LS08	1G		14	7	
74LS14	1A		14	7	
74LS74	1D, 1F, 1H		14	7	
74LS123	1E, 2C		16	8	
74S188	1B		16	8	
LM339	2K		3	12	
LF353	1J		4	4	8
4020	2G		16	8	

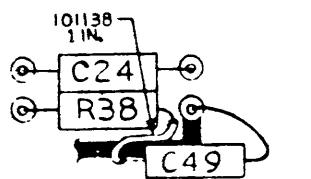
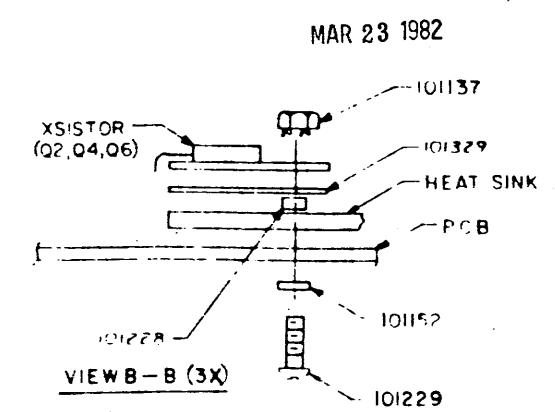
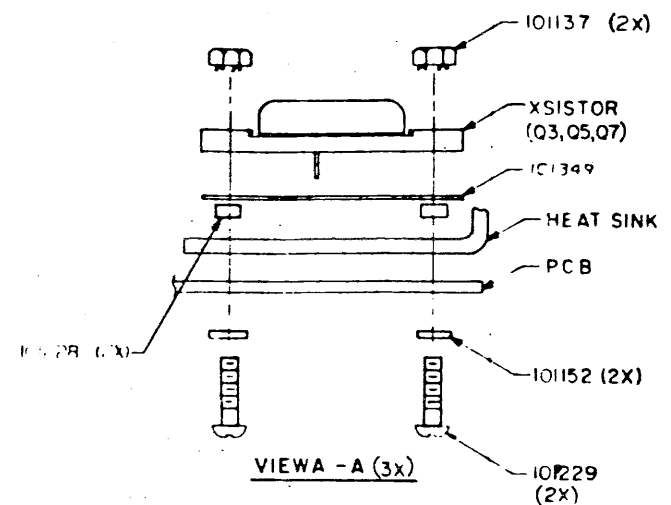
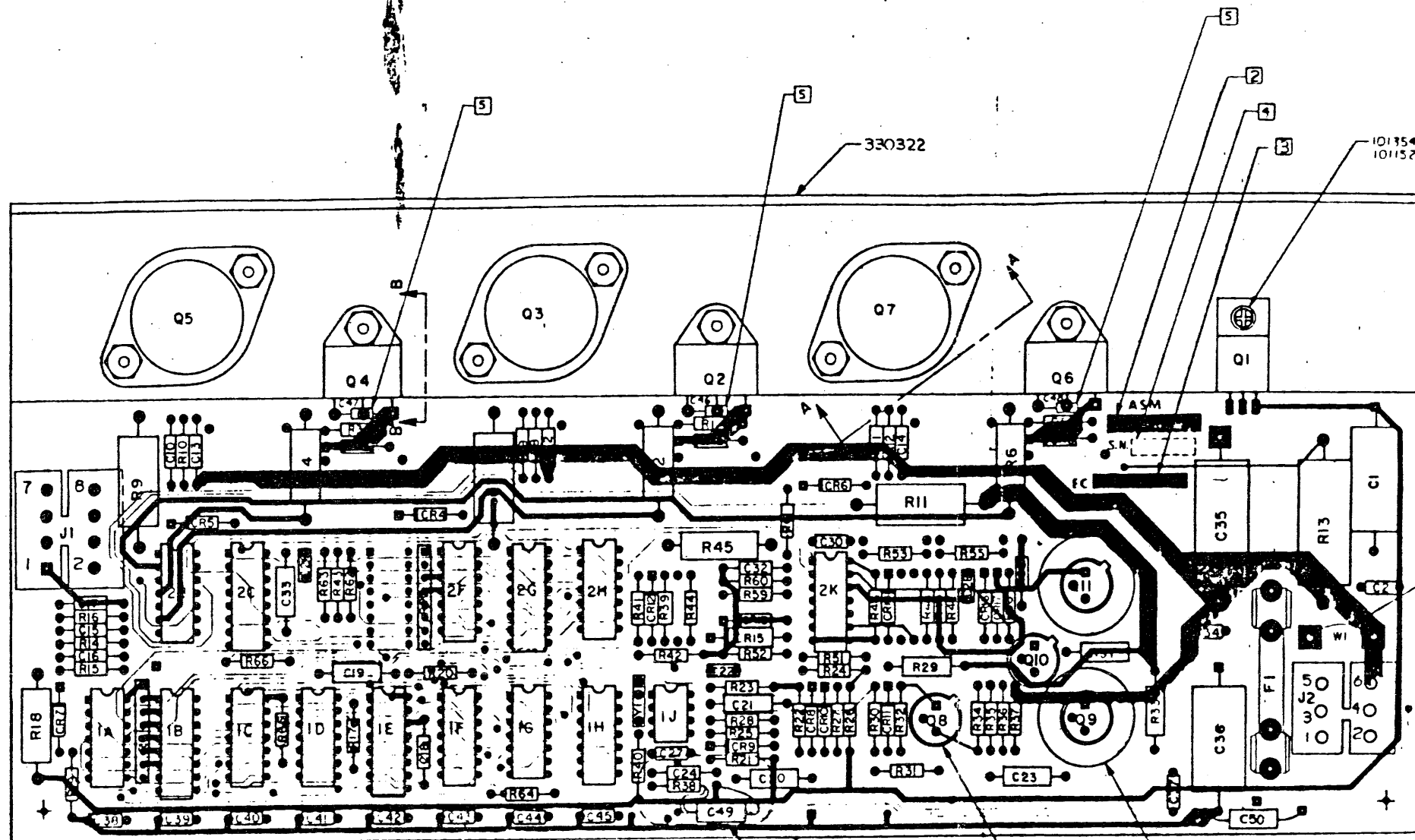
REFERENCE DESIGNATIONS	
LAST USED	NOT USED
R46	R35, R50, R54
C50	C23, C25, C29, C31
CR17	
Q11	
Y1	
RP2	
W1	
F1	

= LOGIC
 = PWR AMP

MATERIAL	TOLERANCE UNLESS OTHERWISE NOTED	TITLE	SCALE
		SCHMATIC DIAGRAM	
		14" MOTOR CONTROL	
DRAWN BY	APPROVED BY	DATE	SHEET 2 OF 2
		DTN 5-25-80	
			D 200084

PRIAM

4-2-8	1133	1324	1324	20X R3
6-1-80	1163	1448	1448	RELEASE FOR ASSEMBLY
7-1-80	1171	1506	1506	
1-1-81	1219	1512	1512	



DETAIL C
SCALE: 4/1
(ADD C49 IN SERIES WITH R38)

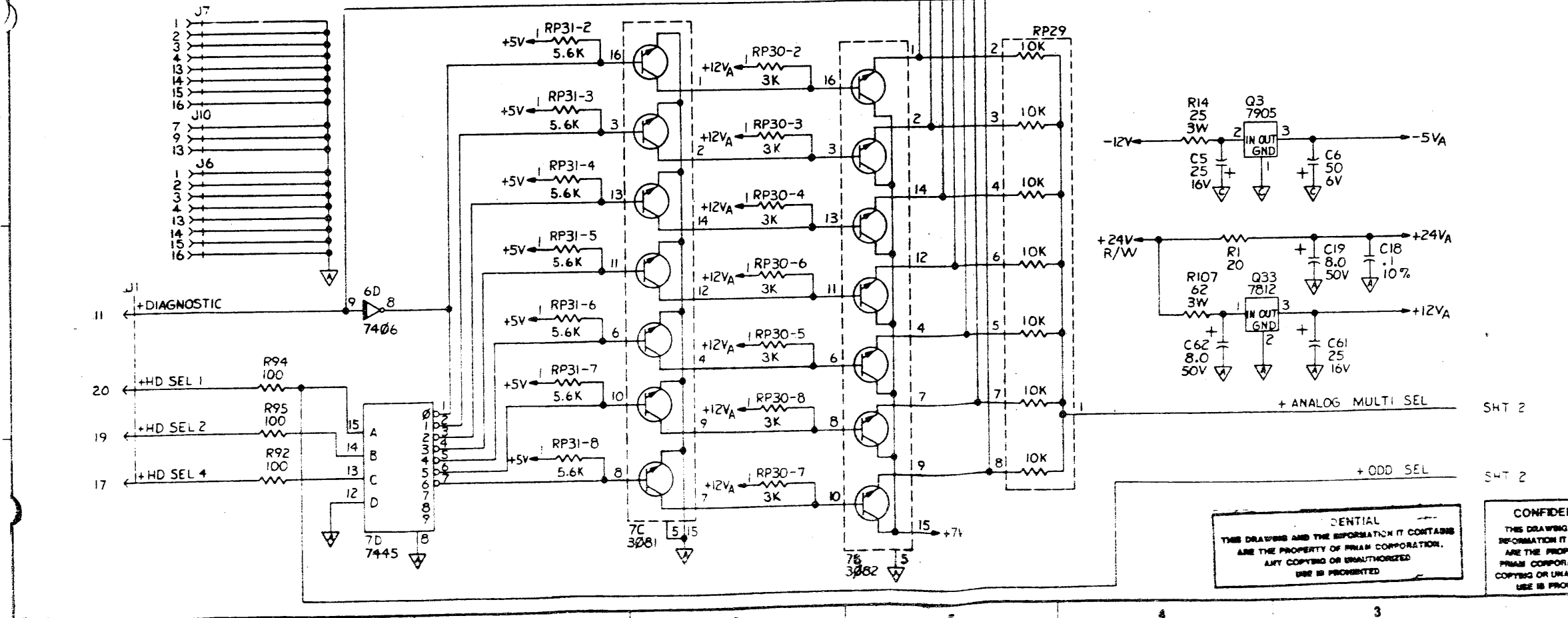
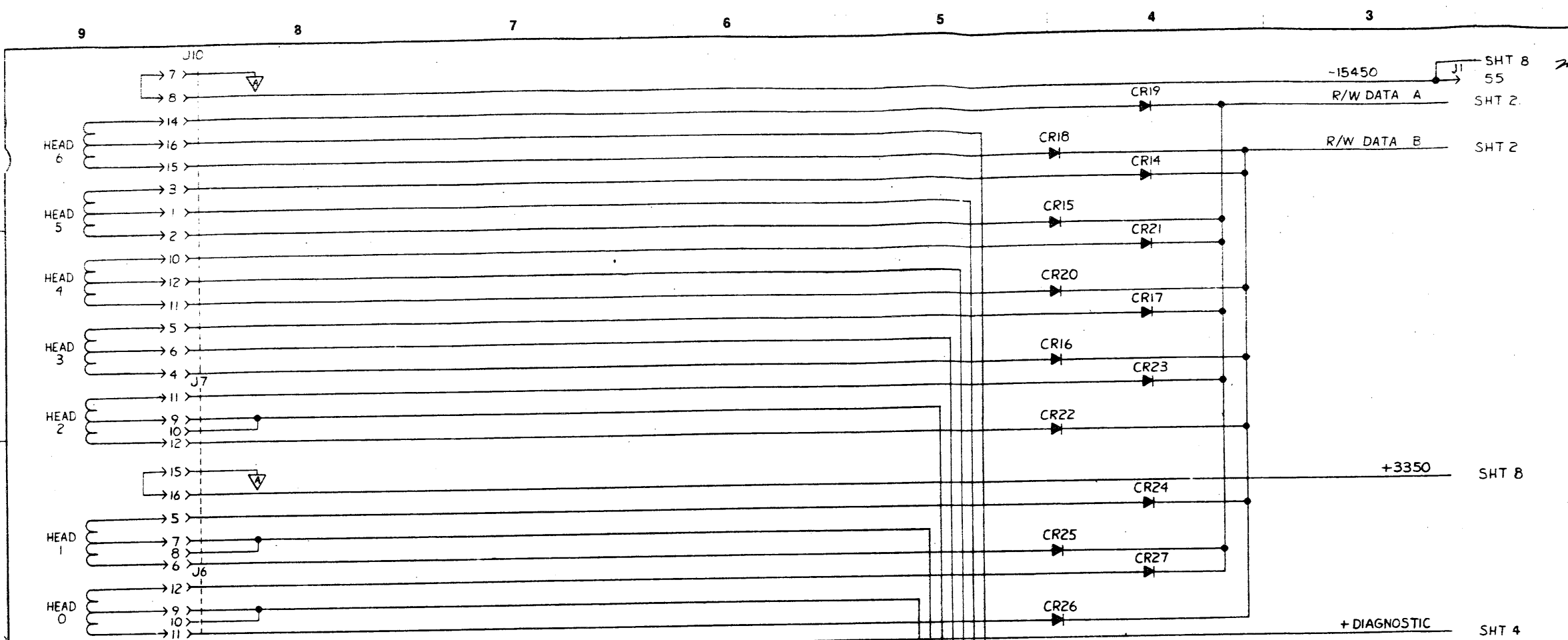
- NOTES: (UNLESS OTHERWISE SPECIFIED)
- INSURE PCB IS AT E.C. LEVEL 1219
 - STAMP ASM NO. 200083 WITH BLACK .12 HIGH CHARACTERS (PERMANENT HEAT RESISTANT).
 - STAMP E.C. NO. 1512 WITH BLACK .12 HIGH CHARACTERS (PERMANENT HEAT RESISTANT)
 - STAMP SERIAL NO. WITH BLACK .12 HIGH CHARACTERS (PERMANENT HEAT RESISTANT).
 - INSTALL C46,C47,C48 INTO PLATED THRU HOLES WITH Q2,Q4,Q6 RESPECTIVELY AS SHOWN AND INSURE CAPACITORS ARE FORMED AND MOUNTED TO PREVENT SHORTING TO CENTER LEAD OF TRANSISTORS.
 - REWORK REQUIRED FOR P.C.B. ASSEMBLIES AT E.C. LEVEL 1506 (P/N 200083).

MAR 23 1982

E.C. # [REDACTED]
PENDING.

DATE	1 DEC 81	BY	WJ	ASSEMBLY DRAWING	PRIAM
NO.	200083	REV	1	14" MOTOR CONTROL	
APP'D		CHK'D		D	

DATE	E/C NO	DATE	E/C NO	200214					
1585		1623		RELEASED FOR ASSEMBLY					
SHEET AND REVISION TABLE									
SHT	1	2	3	4	5	6	7	8	9
REV	B	A	A	B	B	A	A	A	E
SHT									
REV									



- 11 RP'S SHOW POWER AND GND.
 - 10. ALL IC'S ARE 74LSXXX.
 - 9 HEATSINK REQUIRED FOR Q35, Q36, Q39, Q40 AND Q43.
 - 8. J7 PINS 1,2,3,4,13,14,15,16. J6 PINS 1,2,3,4,13,14,15,16 AND J10 PINS 7, 9,13 ARE TIED TO GND "A".
 - 7. ALL DIODES ARE IN4454.
 - 6. THIS SYMBOL $\text{\textcircled{D}}$ REPRESENTS "PULL DOWN" RESISTOR RP2-RP7, RP9-RP12, RP15-RP18, RP22-RP24 ARE 470 OHMS TO -5V. RP8, RP13, RP14 ARE 470 OHMS TO -5VA.
 - 5. ALL "PF" CAPACITORS ARE 5%.
 - 4. ALL CAPACITORS ARE IN MICROFARADS.
 - 3. ALL 1% RESISTORS ARE 1/8 W.
 - 2. ALL RESISTORS ARE 1/4W, 5% AND ARE IN OHMS.
 - 1. THIS SCHEMATIC DIAGRAM REPRESENTS ASM 200213 AT E/C LEVEL 1623.
- NOTES: (UNLESS OTHERWISE SPECIFIED)

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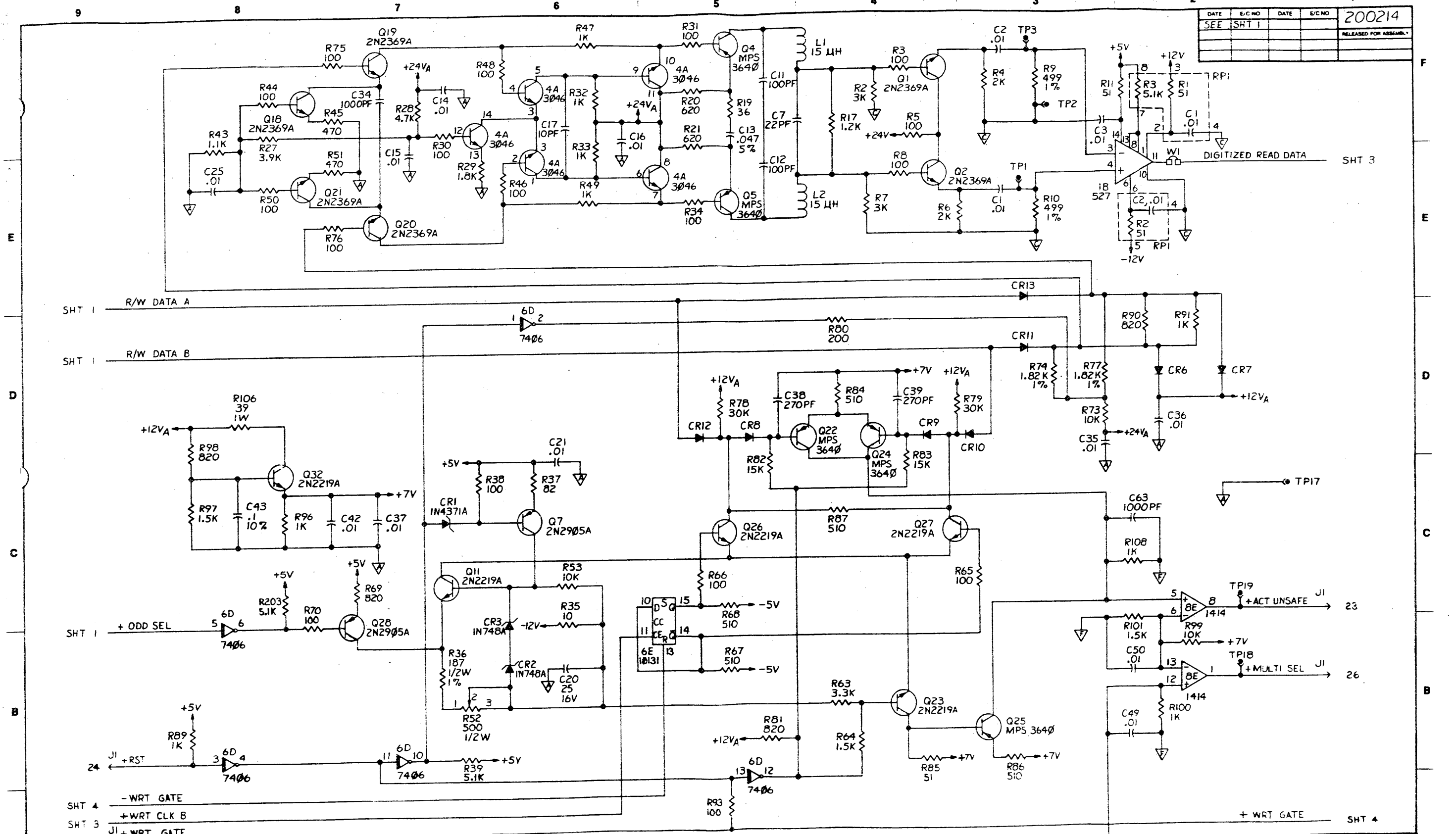
CONFIDENTIAL

SCHEMATIC DIAGRAM
ANALOG 15450

DESIGN	2/78	SCALE		REV	
DRAWN	SCA	DATE	12/14/81	SHEET	1 OF 9
CHECKED		DATE		BY	B
APPROVED		DATE	1/4/82	NO.	200214

PRISM

DATE	E/C NO	DATE	E/C NO	200214
SEE	SHT 1			RELEASED FOR ASSEMBLY



SHT 1 R/W DATA A

SHT 1 R/W DATA B

SHT 1 + ODD SEL

SHT 4 -WRT GATE

SHT 3 +WRT CLK B

J1+WRT GATE

SHT 1 +ANALOG MULTI SEL

DIGITIZED READ DATA SHT 3

+ACT UNSAFE J1

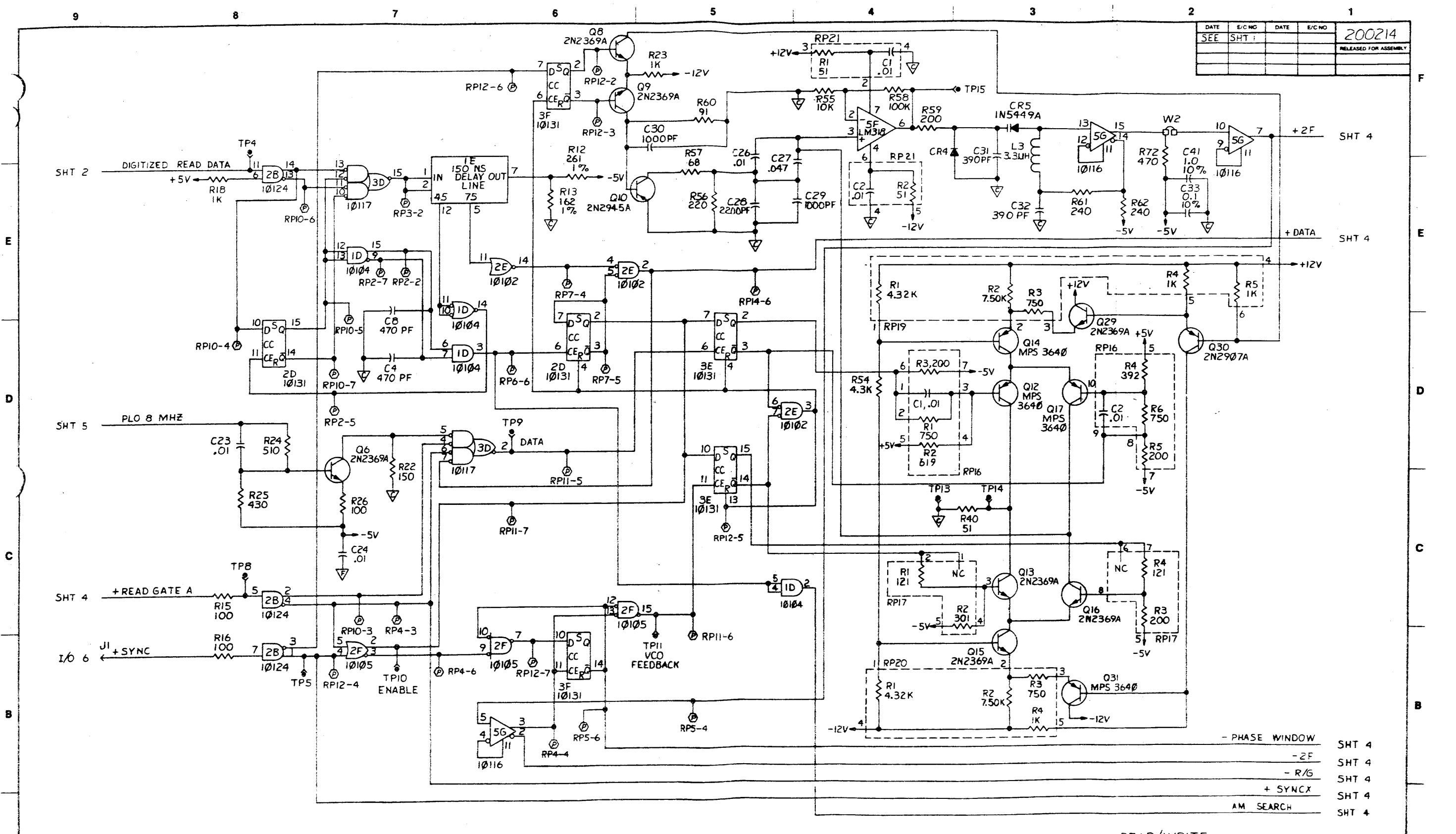
+MULTI SEL J1

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TITLE		SCHEMATIC DIAGRAM	
ANALOG		15450	
SCALE		SHEET	2 OF 9
DATE		APPROVED	D 200214

PRISM

DATE	E/C NO	DATE	E/C NO	200214
SEE	SHT 1			RELEASED FOR ASSEMBLY



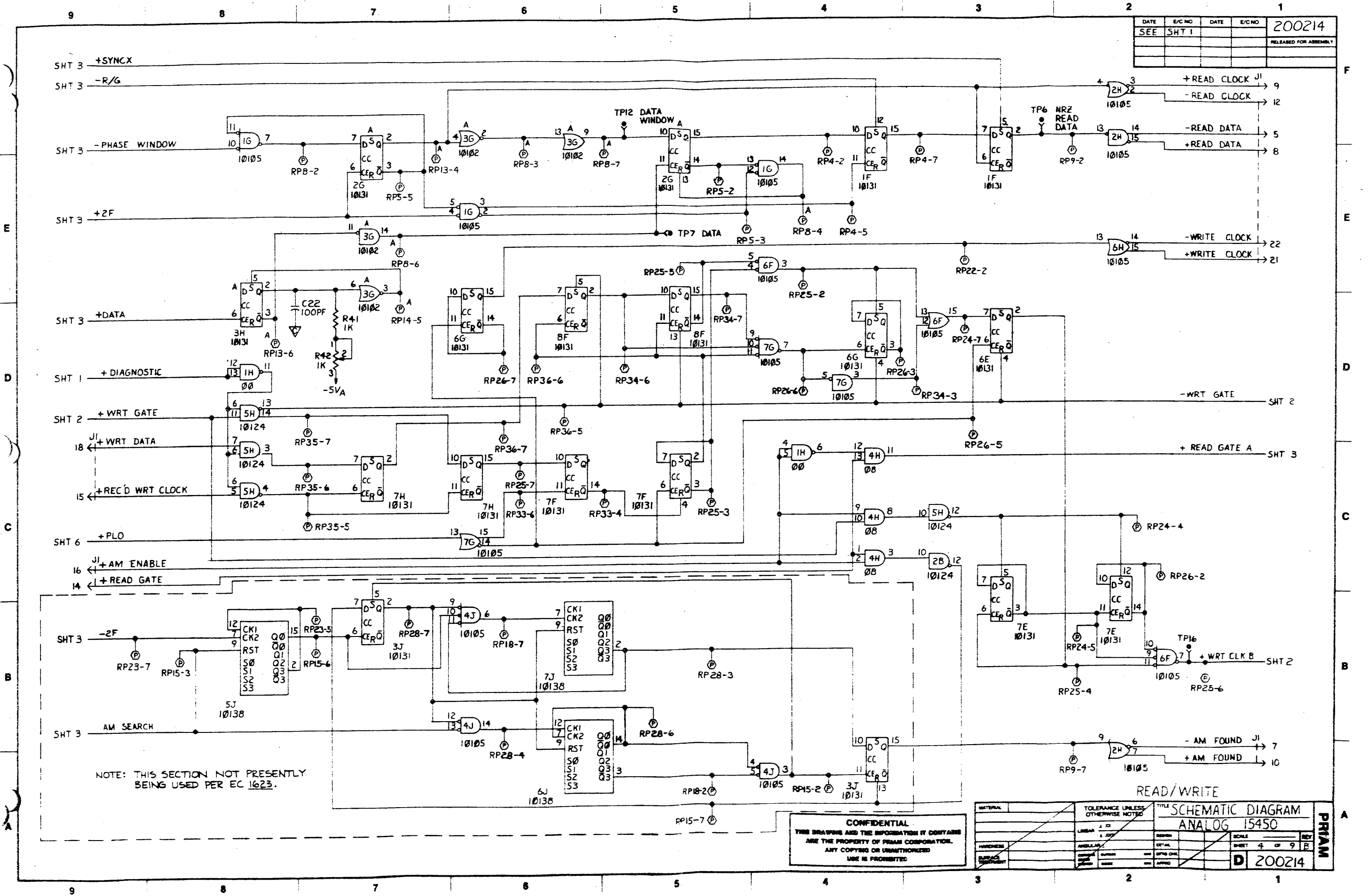
- PHASE WINDOW	SHT 4
- 2F	SHT 4
- R/G	SHT 4
+ SYNCH	SHT 4
AM SEARCH	SHT 4

READ/WRITE

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CONFIDENTIAL		SCHEMATIC DIAGRAM		PRAM
THIS DRAWING AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF PRAM CORPORATION. ANY UNAUTHORIZED REPRODUCTION OR USE IS PROHIBITED.		ANALOG 15450		
DESIGN	SCALE	SHEET	REV	
		3 OF 9	A	
D 200214				

DATE	E/C NO	DATE	E/C NO	200214
SEE SHT 1				RELEASED FOR ASSEMBLY

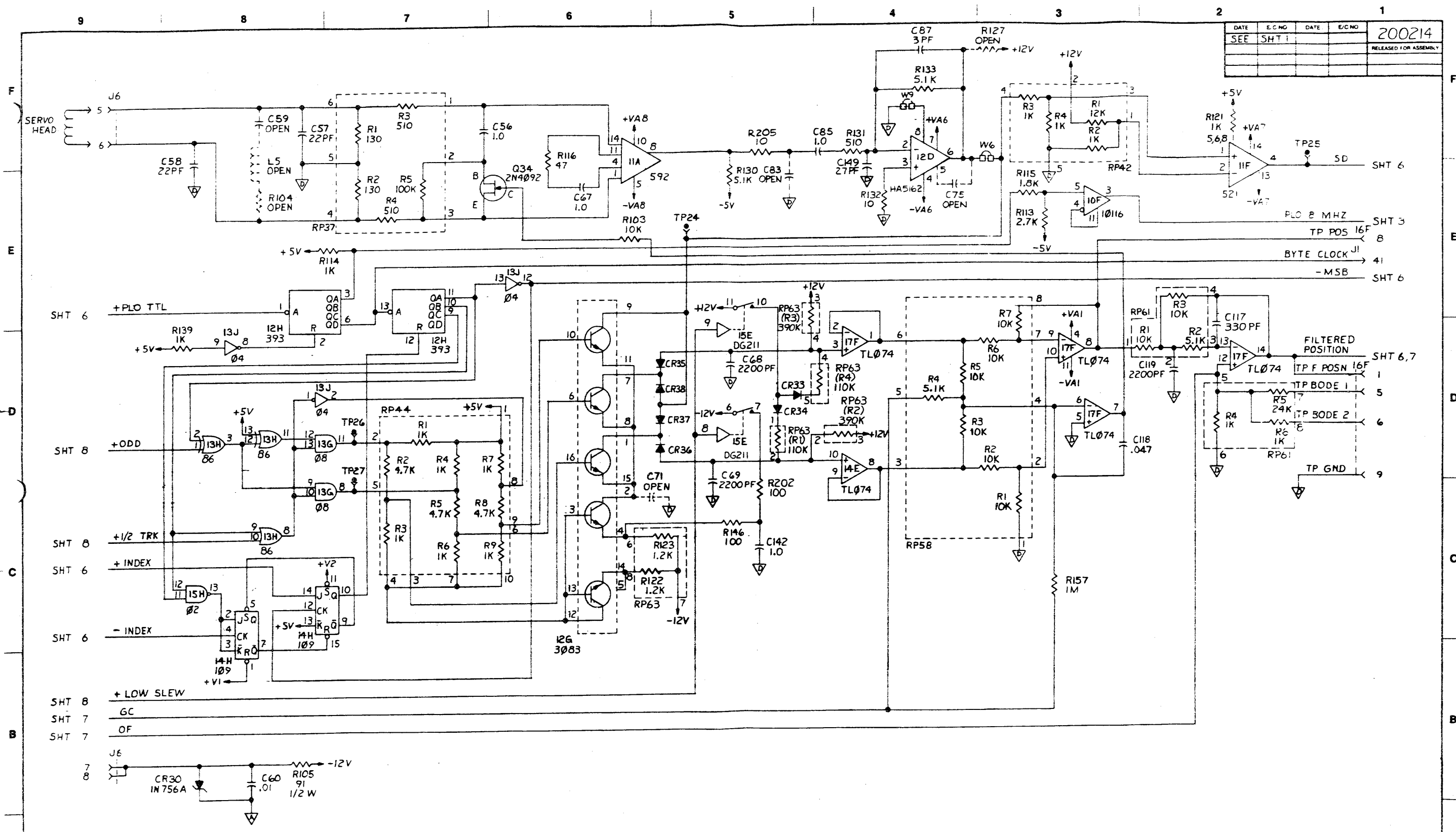


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MATERIAL		TOLERANCE UNLESS OTHERWISE NOTED		TITLE SCHEMATIC DIAGRAM ANALOG 15450	
LIBRARY	J. J.	REVISION		SCALE	REV
DRAWN	J. J.	DATE		SHEET 4 OF 9	B
CHECKED		BY		D	200214

PRAM

DATE	E/C NO	DATE	E/C NO	200214
SEE	SHT 1			RELEASED FOR ASSEMBLY

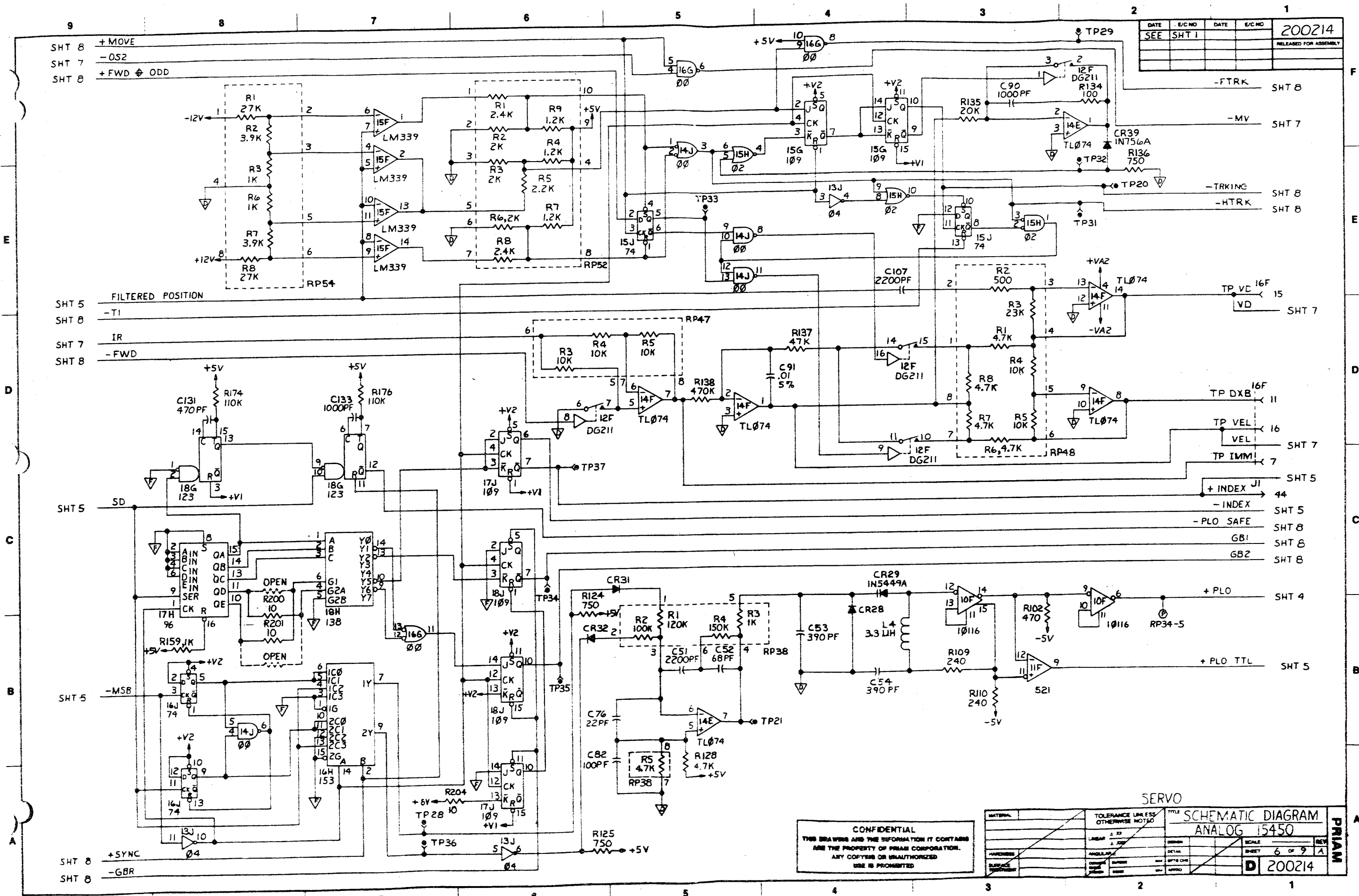


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MATERIAL		TOLERANCE UNLESS OTHERWISE NOTED		TITLE	
				SERVO	
				SCHEMATIC DIAGRAM	
				ANALOG 15450	
APPROVED		DESIGNED		SCALE	
				5 of 9 B	
DATE		DATE		D 200214	

PRIMA

DATE	E/C NO	DATE	E/C NO	200214
SEE	SHT 1			RELEASED FOR ASSEMBLY

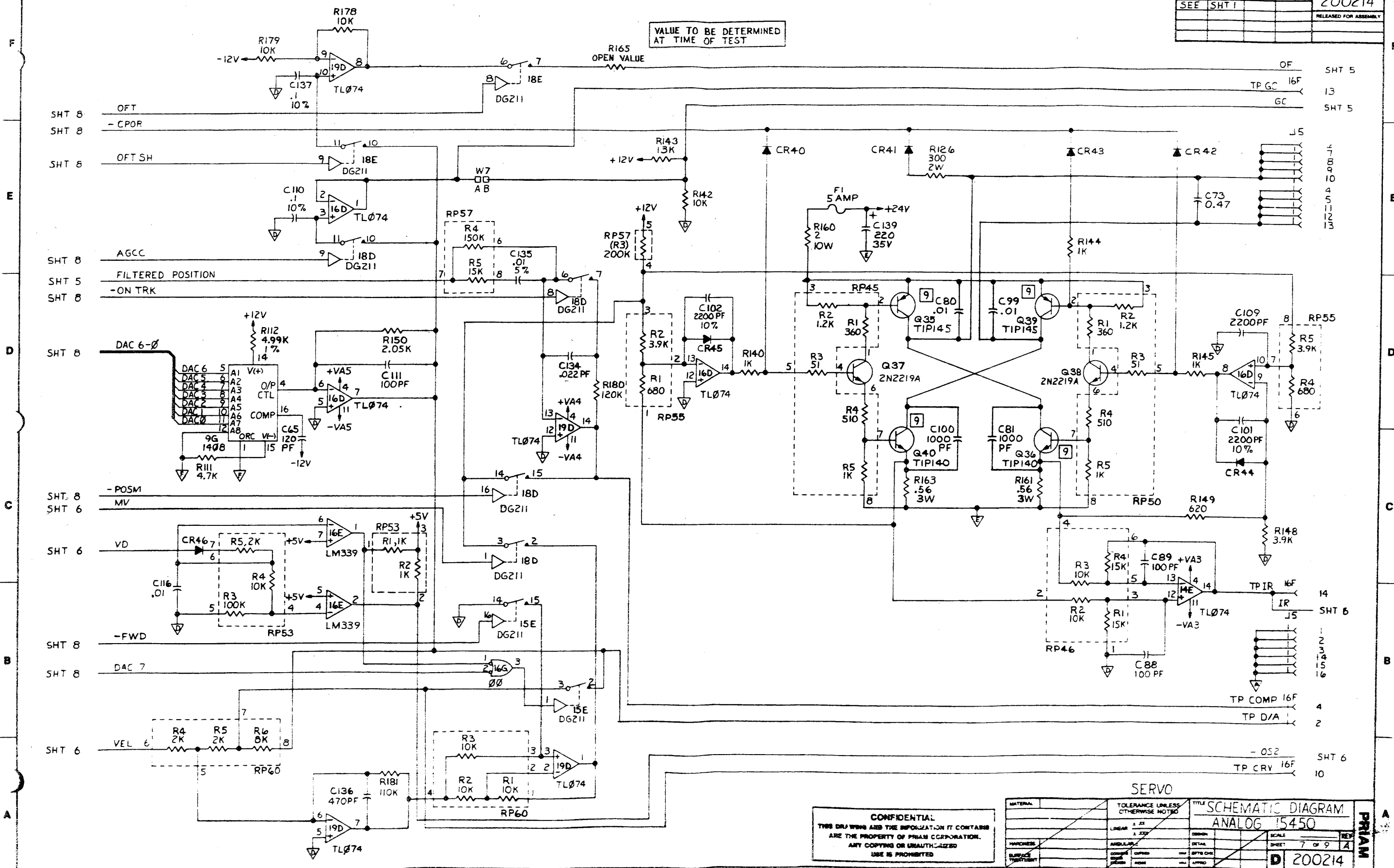


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MATERIAL		TOLERANCE UNLESS OTHERWISE NOTED		TITLE	
LINEAR	1:20	SCALE		SERVO	
ANALOG	1:200	SCALE		SCHEMATIC DIAGRAM	
ANALOG		SCALE		ANALOG 15450	
ANALOG		SCALE		D 200214	
ANALOG		SCALE		PRAM	

9 8 7 6 5 4 3 2 1

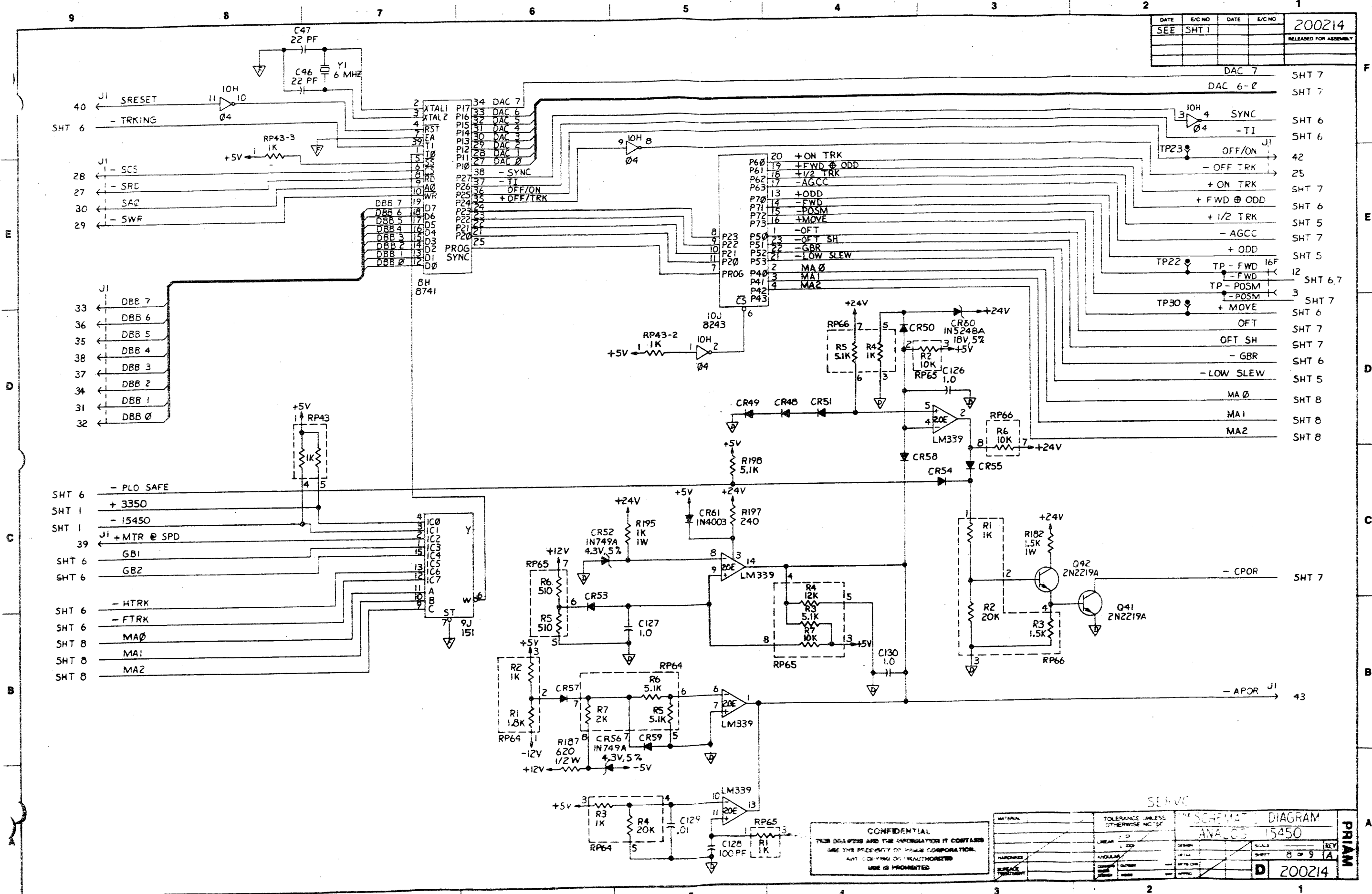
DATE	E/C NO	DATE	E/C NO	200214
SEE SHT 1				RELEASED FOR ASSEMBLY



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SERVO		TITLE: SCHEMATIC DIAGRAM		PRAM
		ANALOG 15450		
MATERIAL	TOLERANCE UNLESS OTHERWISE NOTED	DESIGN	SCALE	SHEET 7 OF 9
LINEAR	1/2%	DETAIL		
APPROVED	DATE	BY	DATE	
DATE	DATE	DATE	DATE	
		D 200214		

DATE	E/C NO	DATE	E/C NO	200214
SEE	SHT 1			RELEASED FOR ASSEMBLY



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MATERIAL		TOLERANCE UNLESS OTHERWISE NOTED		SCHEMATIC DIAGRAM	
DESIGN	DATE	DESIGN	DATE	SCALE	REV
APPROVED		APPROVED		8 of 9	A
				D	200214

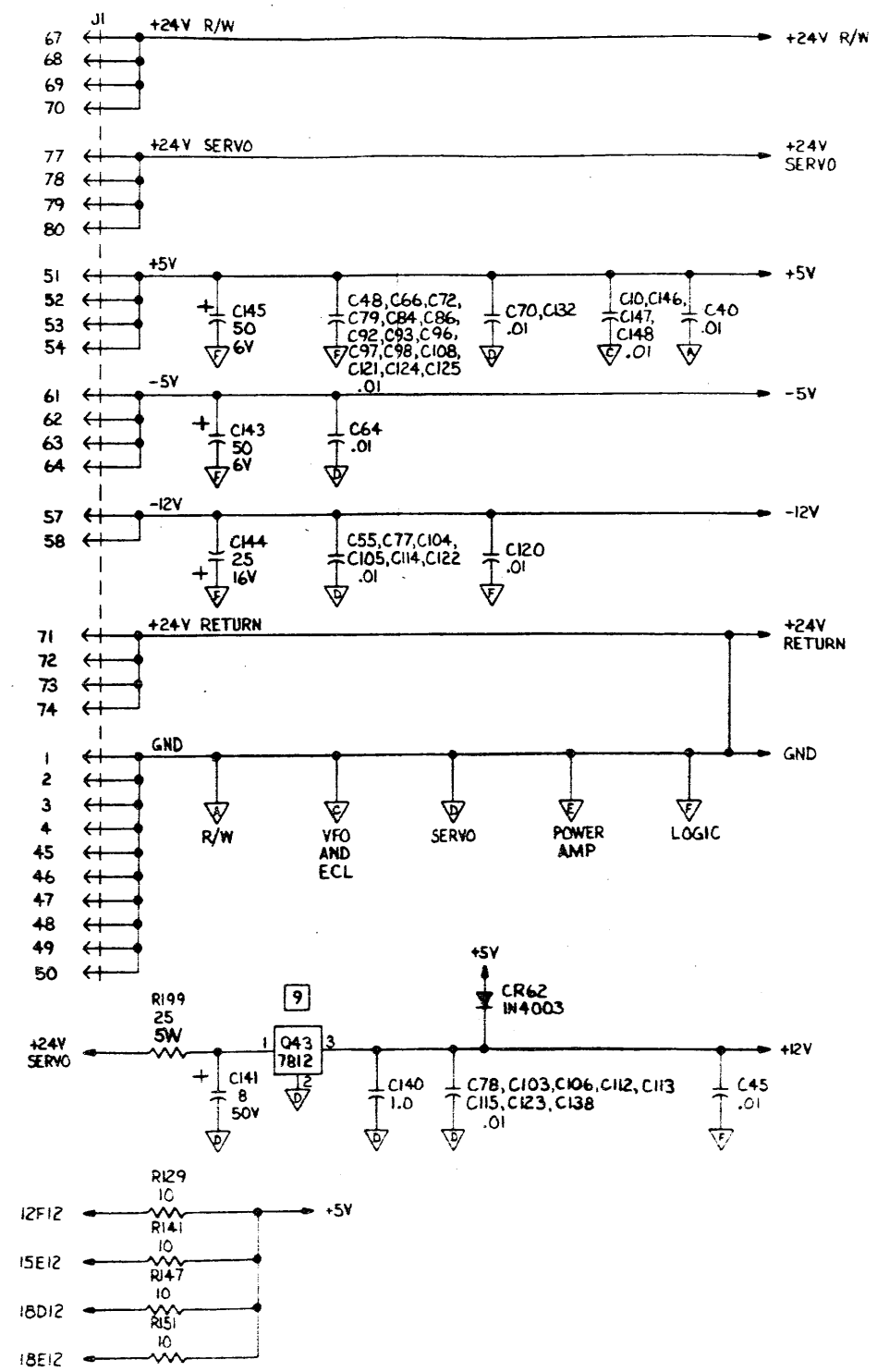
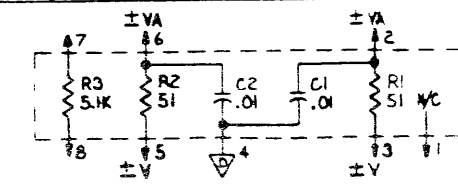
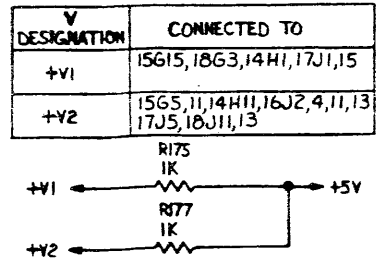
PRIAM

DATE	E/C NO	DATE	E/C NO	200214
SEE	SHT 1			RELEASED FOR ASSEMBLY

IC TYPE	IC LOCATION & GND BUS				UNUSED ELEMENTS	+5V	GND	+12V	-12V	-5V	-5V _A
	BUS A	BUS C	BUS D	BUS F							
74LS00		1H		16G,14J	1H1,3	14	7				
74LS02				15H		14	7				
74LS04				10H,13J	10H3,6	14	7				
74LS08		4H		13G	4H2,13G1,2	14	7				
74LS74				15J,16J		14	7				
74LS86				13H	13H2	14	7				
74LS96				17H		5	12				
74LS109				15G,14H,17J,18J		16	8				
74LS123				18G		16	8				
74LS153				16H		16	8				
74LS393				12H		14	7				
10102		2E		2E4		1,16				8	
10104		1D				1,16				8	
10105		2F,16,2H		6F,7G,6H	6H1,2		1,16			8	
10116		5G	10F				1,16			8	
10117		3D					1,16			8	
10124		2B		5H		9	16			8	
10131		2D,3E,1F,3F		6E,7E,7F,8F 6G,7H			1,16			8	
527		1B									
592			11A								
1408			9G			13	2		3		
1414				8E			11	3,10		7,14	
3081	7C						5				
3082	7B						5				
7406	6D					14	7				
7445	7D					16	8				
8243				10J		24	12				
LM339			16E,20E		16E3,4		12	3			
LM318N		5F									
HA5162			12D								
74LS151				9J		16	8				
10102		3G				1,16				8	
10131		2G,3H		3H2		1,16				8	
LM339			15F				5	13	4		
DG211			18D,15E,18E,2F		18E1,4						
NE521			11F								
TL074			16D,19D,14E 14F,17F								
8741				8H		26,40	7,20				
74LS138				18H		16	8				
3083				12G							
3046	4A										

RESISTOR PACK DESIGNATION	PIN NUMBER							
	1	2	3	4	5	6	7	8
RP62	N/C	-VA1	-12V	GND	+12V	+VA1	N/C	N/C
RP49	N/C	-VA2	-12V	GND	+12V	+VA2	N/C	N/C
RP51	N/C	-VA3	-12V	GND	+12V	+VA3	N/C	N/C
RP59	N/C	-VA4	-12V	GND	+12V	+VA4	N/C	N/C
RP56	N/C	-VA5	-12V	GND	+12V	+VA5	N/C	N/C
RP41	N/C	+VA6	+12V	GND	-12V	-VA6	N/C	N/C
RP39	N/C	+VA7	+5V	GND	-5V	-VA7	N/C	N/C
RP40	N/C	-VA8	-5V	GND	+5V	+VA8	N/C	N/C

REFERENCE DESIGNATIONS	
LAST USED	NOT USED
C149	C9,C21,C44 C59,C71,C74,C75 C83,C94,C95
R205	R71,R88,R104 R117-R120,R122 R123,R127,R152- R156,R158,R162 R164-R173,R185- R186,R188-R194, R196
W9	W3,W4,W5,W8
CR62	CR47
TP37	
Q43	
RP66	RP27,RP32
J10	J2-J4,J8,J9
Y1	
F1	
L5	L6



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MATERIAL	TOLERANCE UNLESS OTHERWISE NOTED	SCALE	DATE
	LINEAR	1:1	
DRAWN	APPROVED	DATE	

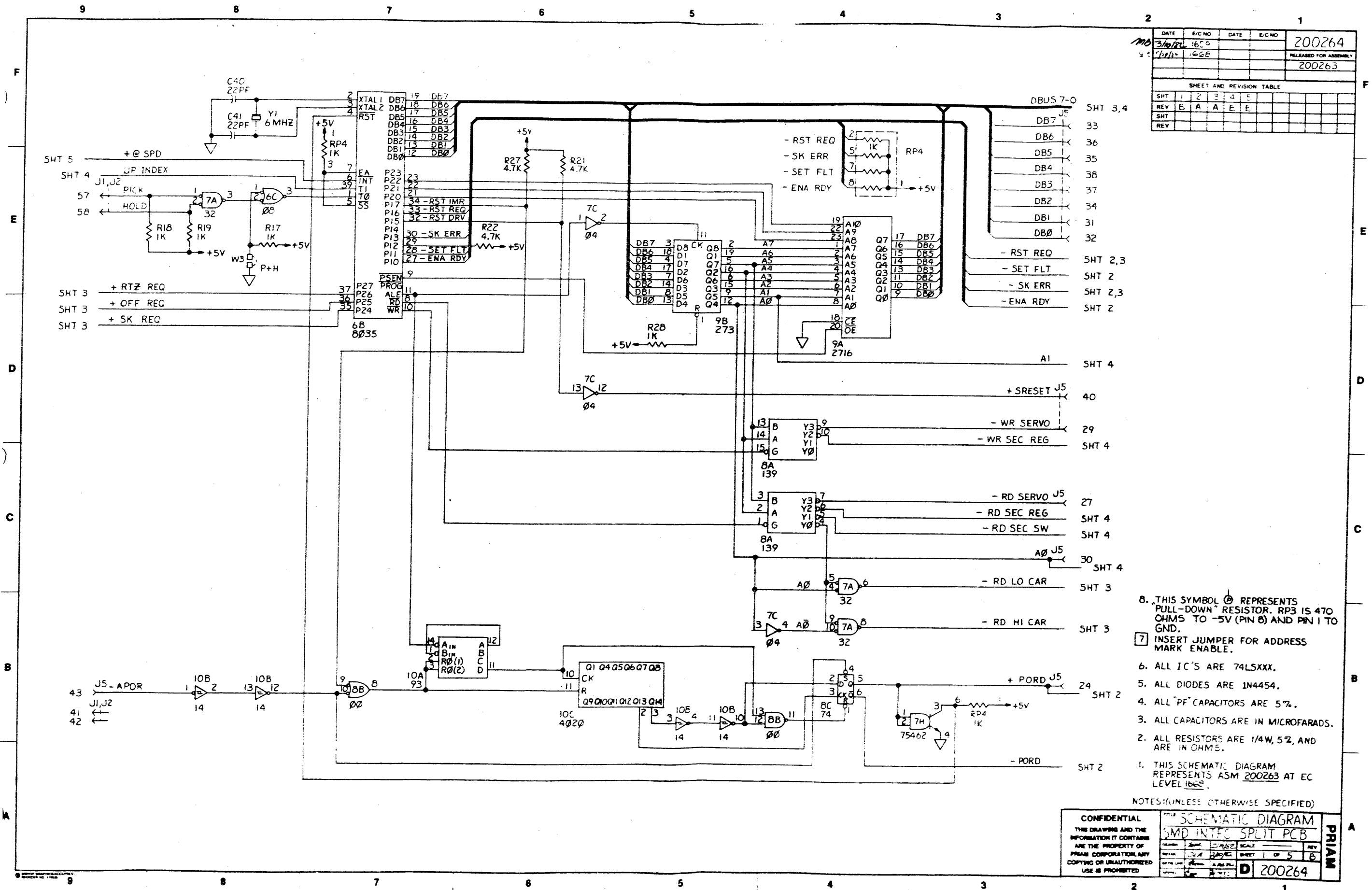
SCHEMATIC DIAGRAM
ANALOG 5450

SHEET 9 OF 9

200214

DATE	E/C NO	DATE	E/C NO	200264
3/10/77	1600			RELEASED FOR ASSEMBLY
3/10/77	1600			200263

SHEET AND REVISION TABLE				
SHT	1	2	3	4
REV	B	A	A	E
SHT				
REV				

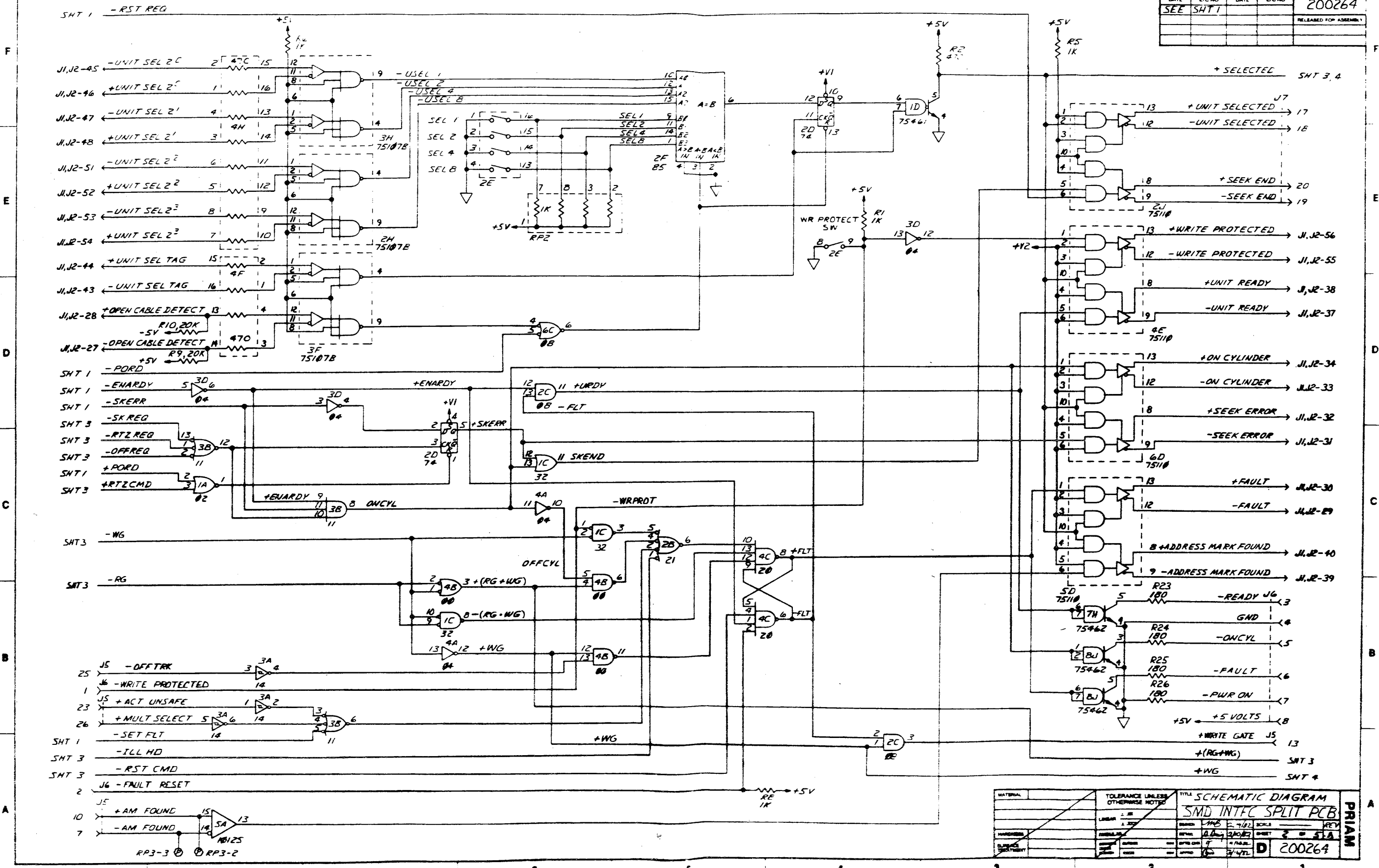


- 8. THIS SYMBOL $\text{\textcircled{P}}$ REPRESENTS "PULL-DOWN" RESISTOR. RP3 IS 470 OHMS TO -5V (PIN 8) AND PIN 1 TO GND.
- 7. INSERT JUMPER FOR ADDRESS MARK ENABLE.
- 6. ALL IC'S ARE 74LSXXX.
- 5. ALL DIODES ARE 1N4454.
- 4. ALL "PF" CAPACITORS ARE 5%.
- 3. ALL CAPACITORS ARE IN MICROFARADS.
- 2. ALL RESISTORS ARE 1/4W, 5%, AND ARE IN OHMS.
- 1. THIS SCHEMATIC DIAGRAM REPRESENTS ASM 200263 AT EC LEVEL 1600.

NOTES: (UNLESS OTHERWISE SPECIFIED)

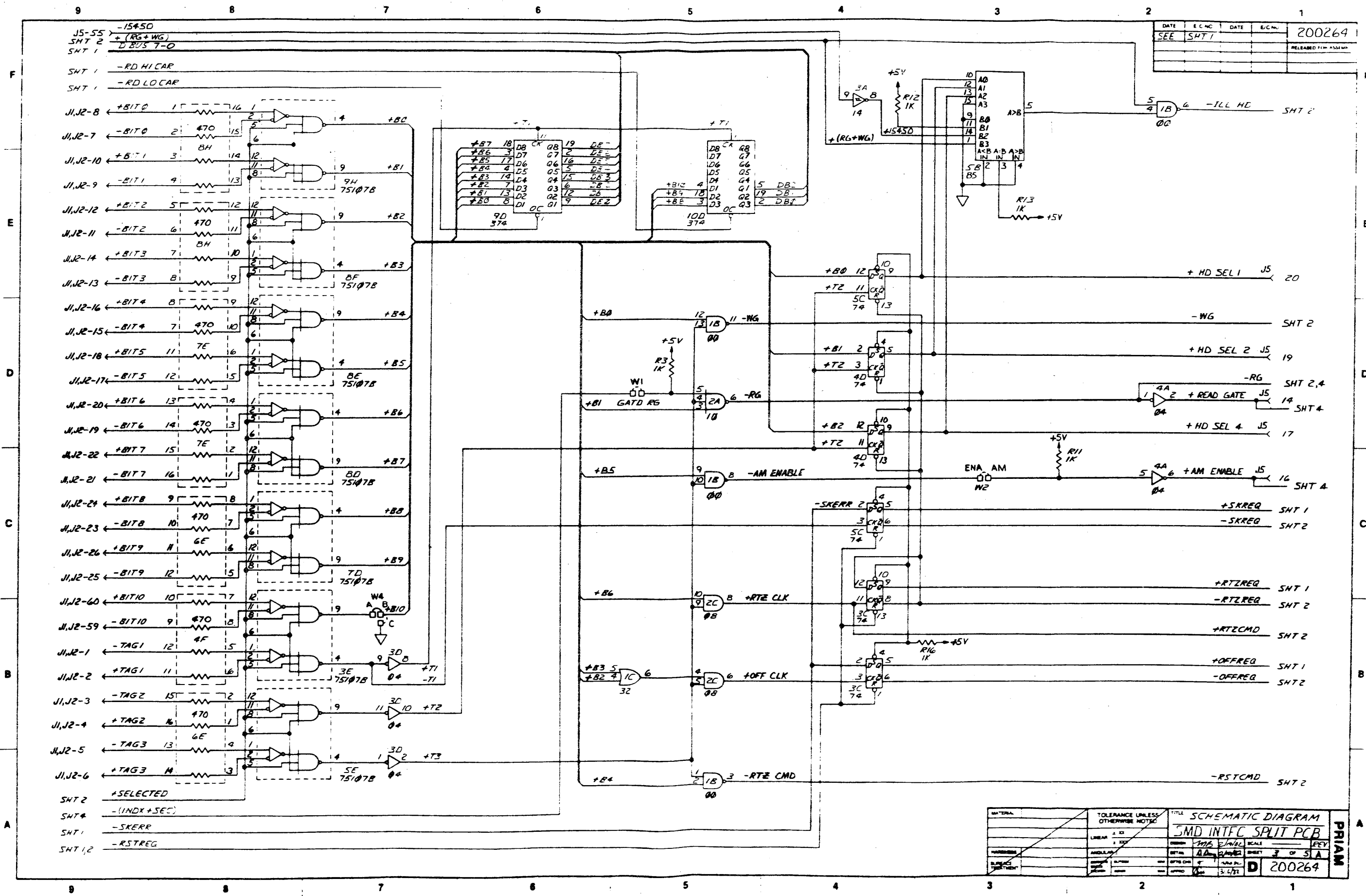
CONFIDENTIAL		SCHEMATIC DIAGRAM	
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DESIGNER	SCALE	SHEET	REV
DATE	SCALE	1 OF 5	B
D 200264			

DATE	E/C NO	DATE	E/C NO	200264
SEE SHT 1				RELEASED FOR ASSEMBLY



MATERIAL	TOLERANCE UNLESS OTHERWISE NOTED	TITLE	SCHEMATIC DIAGRAM	PRIM
LIBRARY		SMD INTFC SPLIT PCB		
DESIGNED BY	DATE	REV	2 = STA	200264
CHECKED BY	DATE	REV		

DATE	E.C. NO.	DATE	E.C. NO.	200264
SEE	SHT 1			RELEASED FOR ASSEMBY



J5-55 -15*50
 SHT 2 + (RG+WG)
 SHT 1 D BUS 7-0

SHT 1 -RD HICAR
 SHT 1 -RD LOCAR

J1,J2-8 +BIT 0 1 16 1
 J1,J2-7 -BIT 0 2 470 15 6
 J1,J2-10 +BIT 1 3 84 14 12
 J1,J2-9 -BIT 1 4 13 8 9
 J1,J2-12 +BIT 2 5 12 12 9
 J1,J2-11 -BIT 2 6 470 11 6
 J1,J2-14 +BIT 3 7 84 10 4
 J1,J2-13 -BIT 3 8 9 5 9
 J1,J2-16 +BIT 4 8 12 12 9
 J1,J2-15 -BIT 4 7 470 10 6
 J1,J2-18 +BIT 5 11 7E 16 4
 J1,J2-17 -BIT 5 12 15 5 4
 J1,J2-20 +BIT 6 13 74 1 4
 J1,J2-19 -BIT 6 14 470 13 6
 J1,J2-22 +BIT 7 15 7E 12 19
 J1,J2-21 -BIT 7 16 1 8 19
 J1,J2-24 +BIT 8 9 8 1 4
 J1,J2-23 -BIT 8 10 470 7 6
 J1,J2-26 +BIT 9 11 6E 6 19
 J1,J2-25 -BIT 9 12 5 8 19
 J1,J2-60 +BIT 10 10 7 12 19
 J1,J2-59 -BIT 10 9 470 13 6
 J1,J2-1 -TAG 1 12 4F 5 4
 J1,J2-2 +TAG 1 11 16 3 4
 J1,J2-3 -TAG 2 15 2 12 9
 J1,J2-4 +TAG 2 14 1 1 9
 J1,J2-5 -TAG 3 13 4 1 4
 J1,J2-6 +TAG 3 14 3 1 4

+SELECTED
 SHT 2
 SHT 4 -(INDX+SEC)
 SHT 1 -SKERR
 SHT 1,2 -RSTREQ

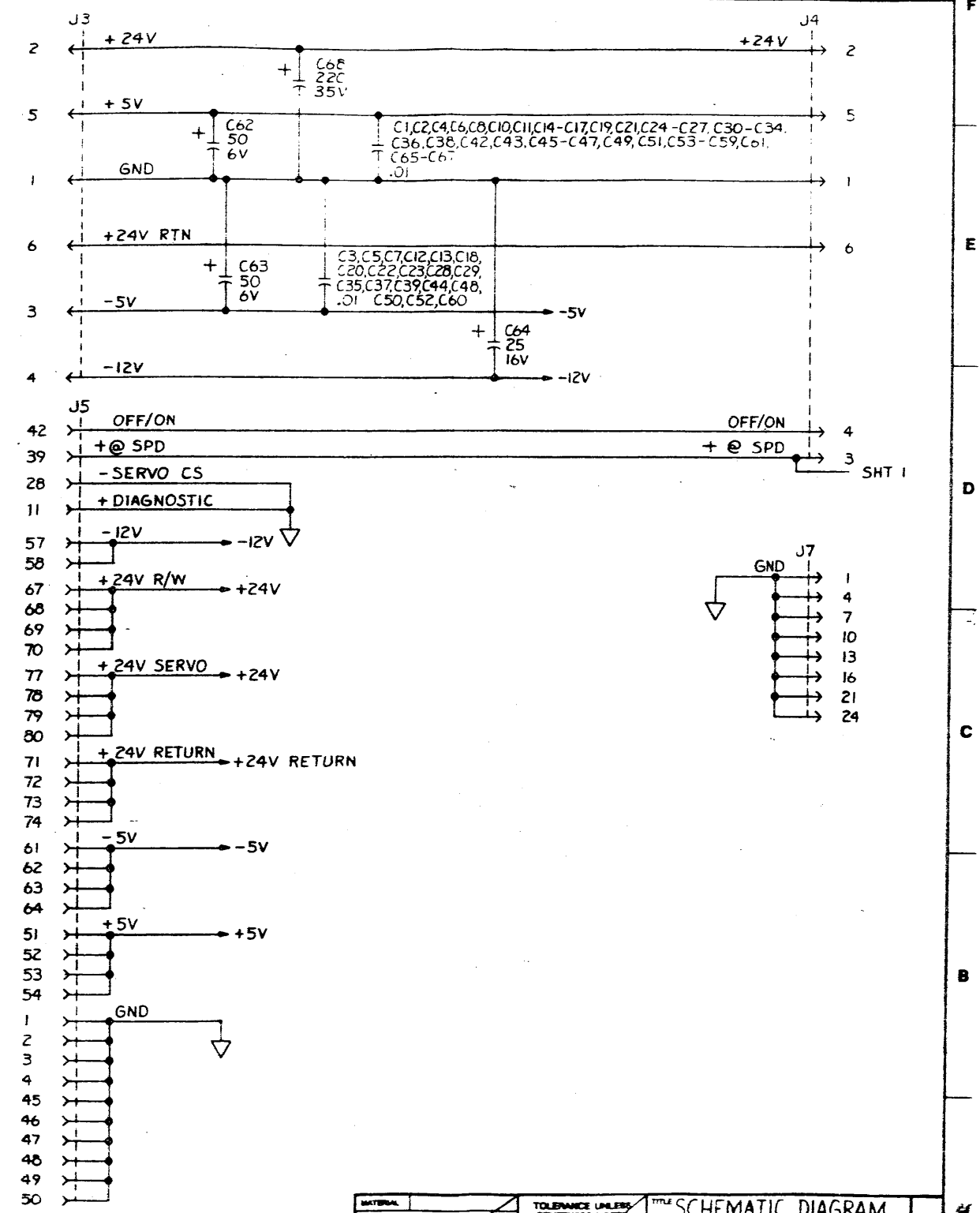
MATERIAL	TOLENANCE UNLESS OTHERWISE NOTED	TITLE	SCHMATIC DIAGRAM
LINEAR	1/100	SCALE	1/16"
ANALOG	1/100	DATE	11/25/71
DATE	11/25/71	BY	AB
APPROVED		CHKD	
		DATE	3/4/71
		REV	D
		NO.	200264

PRAM

9 8 7 6 5 4 3 2 1

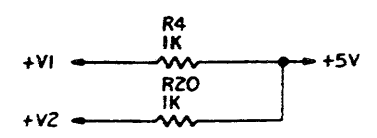
DATE	E/C NO	DATE	E/C NO	200264
SEE	SHT 1			RELEASED FOR ASSEMBLY

IC TYPE	IC LOCATION	UNUSED ELEMENTS	+5V	GND	-5V
74LS00	1B,4B,8B	4B3,8B2	14	7	
74LS02	1A	1A4	14	7	
74LS04	4A,7C,3D	4A4	14	7	
74LS08	2C,6C	6C4	14	7	
74LS10	2A	2A1,3	14	7	
74LS11	3B		14	7	
74LS14	3A,10E	3A5,10B3,4	14	7	
74LS20	4C		14	7	
74LS32	7A,1C	7A4	14	7	
74LS74	3C,5C,8C,2D,4D	8C2	14	7	
74LS85	5B,2F		16	8	
74LS93	10A		5	10	
74LS161	9F		16	8	
74LS244	9E		20	10	
74LS273	9B		20	10	
74LS374	9D,10D		20	10	
10125	5A		9	16	8
75107B	7D,8D,3E,5E,8E,1F,3F,6F,2H,3H,9H		14	7	13
75110	5D,6D,1E,4E,1J,2J,3J,4J		14	7	11
75461	1D	1D1	8	4	
75462	7H,8J		8	4	
2716	9A		24,21	12	
4020	10C		16	8	
8035	6B		26,40	20	
8253	9C		24	12	
74LS21	2B	2B2	14	7	
74LS139	8A		16	8	



REFERENCE	DESIGNATIONS
LAST USED	NOT USED
R29	
C68	
RP5	
Y1	
W4	
J7	
E1	
TP2	

V DESIGNATION	CONNECTED TO
+V1	2D4,1D
+V2	5D2,3,4,5, 6D2,3,4,6, 1E3,10, 4E2,3,4,6



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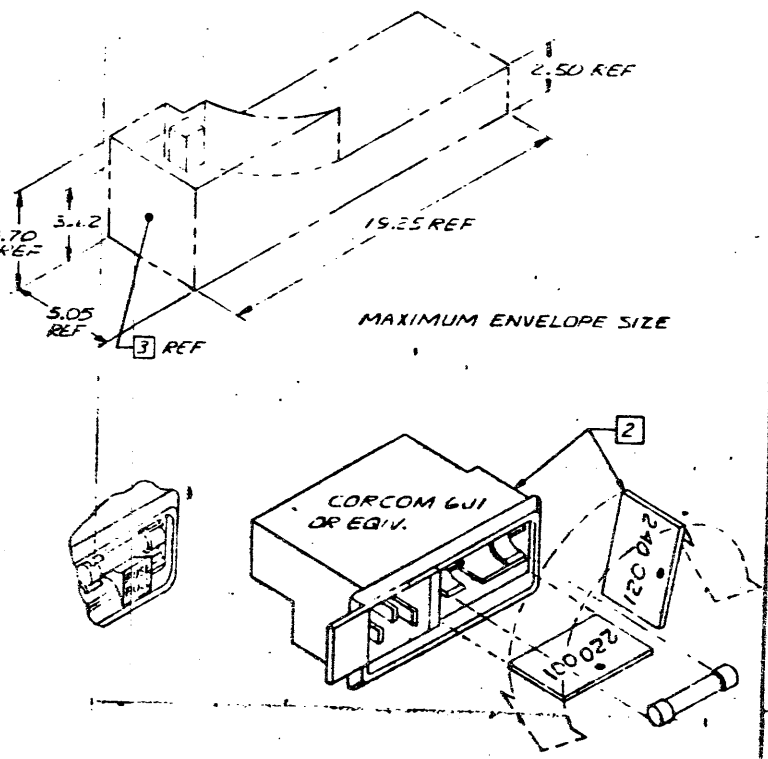
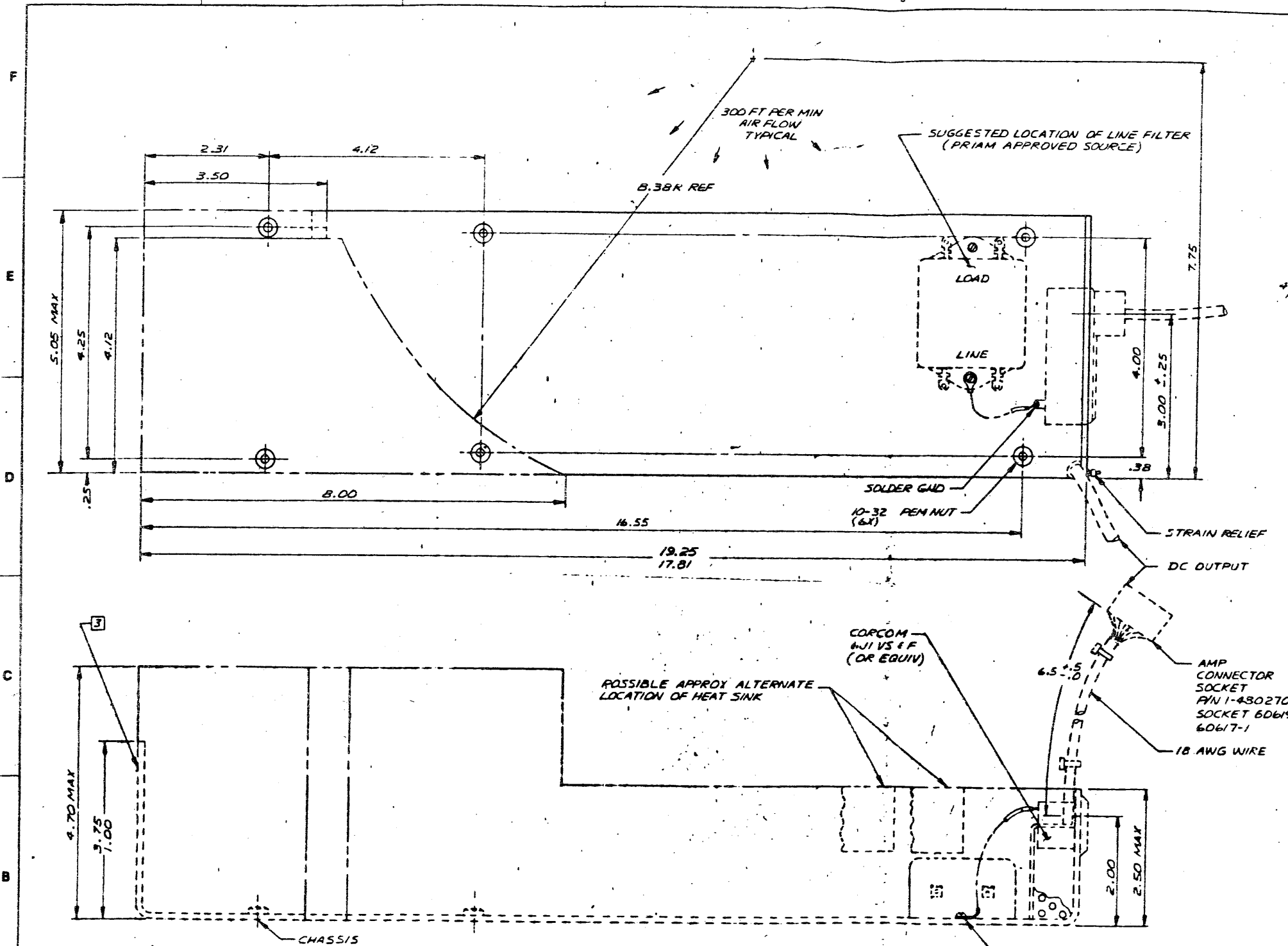
MATERIAL	TOLERANCE UNLESS OTHERWISE NOTED	SCALE	REV
LINEAR	1:1	1:1	1
DATE	APPROVED	BY	DATE
04/20/82	[Signature]	[Signature]	04/20/82

TITLE: SCHEMATIC DIAGRAM
 SMD INTFC SPLIT PCB
 SHEET 5 OF 5
 D 200264

PRAM

9 8 7 6 5 4 3 2 1

DATE	E/C NO	DATE	E/C NO	330352
5-14-78	1155			
	1330			RELEASED FOR ASSEMBLY
7-7-8	1418			
2/8/80	1564			



- NOTES: (UNLESS OTHERWISE SPECIFIED)
- INSTALL SAFETY ENCLOSURE IF REQUIRED BY UL #478. INSTALL SAFETY ENCLOSURE OR OTHER PROTECTIVE DEVICES.
 - TO SELECT OPERATING VOLTAGE:
 - OPEN COVER DOOR AND ROTATE "FUSE-PULL" TO LEFT.
 - REMOVE P.C.B. AND ORIENT TO DESIRED VOLTAGE ON TOP LEFT SIDE. PUSH BOARD FIRMLY INTO MODULE SLOT.
 - ROTATE "FUSE PULL" BACK TO NORMAL POSITION AND RE-INSERT FUSE IN HOLDERS, USING CAUTION TO SELECT CORRECT FUSE VALUES.
 - MANUFACTURER IDENTIFICATION, MODEL NO., PRIAM PART NUMBER, E.C. LEVEL, AND SERIAL NUMBER. METHOD OF MARKING OPTIONAL.

AMP CONN		
PIN	WIRE COLOR	PIN OUT
1	BLK	+5V -12V RETURN
2	YEL *	+24V
3	BRN	-5V
4	ORN	-12V
5	RED	+5V
6	GRY *	+24V RETURN

* TWISTED PAIR

- REFERENCE DOCUMENTS
- 300040 - PWR SUPPLY SPEC
 - 330357 - PWR SUPPLY SCHEMATIC
 - 330356 - FILTER SPEC DWG
 - 300038 - ENGINEERING TEST SPECIFICATION

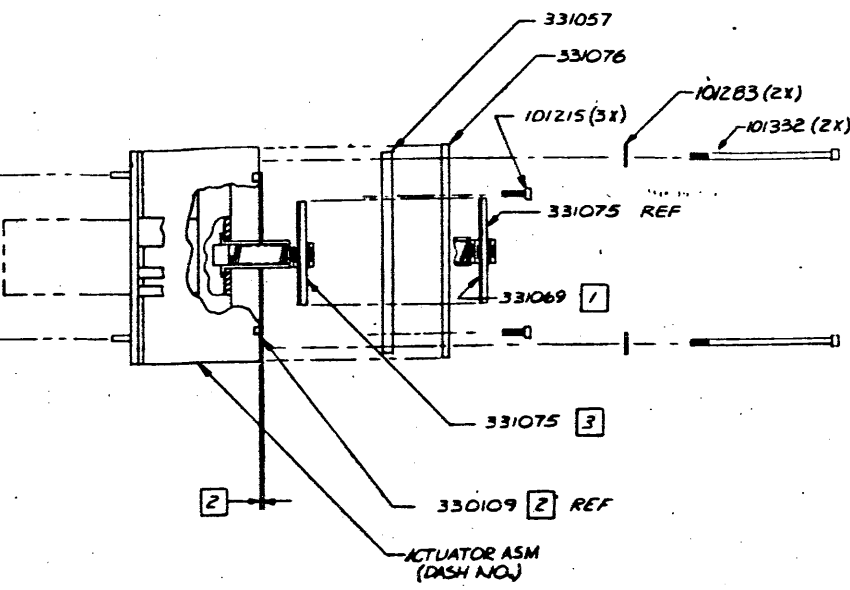
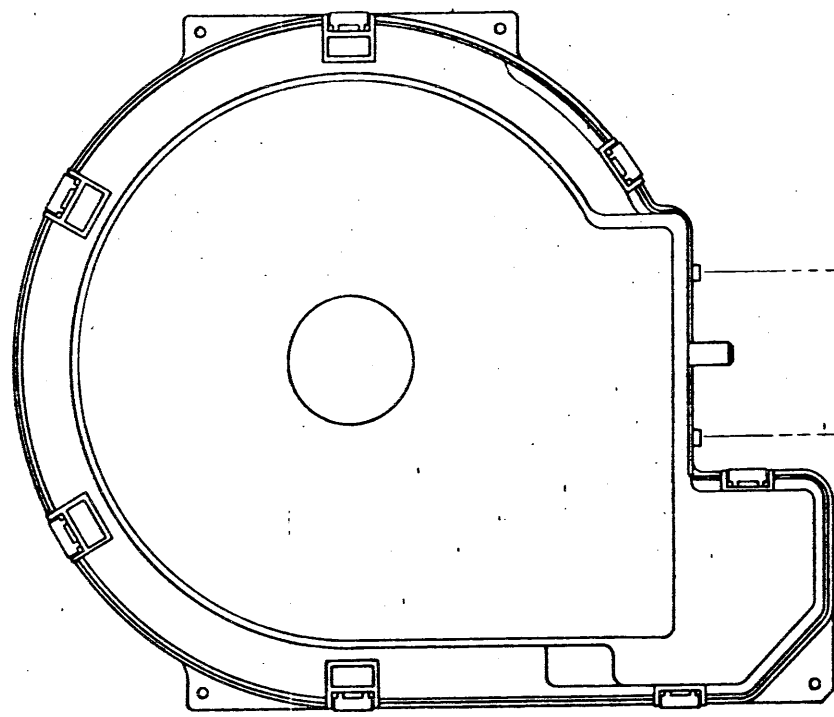
- LEGEND
- POWER SUPPLY
 - ENVELOPE (MAX SIZE)
 - - - OUTLINE OF POSSIBLE COMPONENT LOCATIONS

18 AWG GREEN WIRE MAKING GOOD ELECTRICAL CONNECTION BETWEEN FILTER AND PWR SUPPLY CHASSIS.

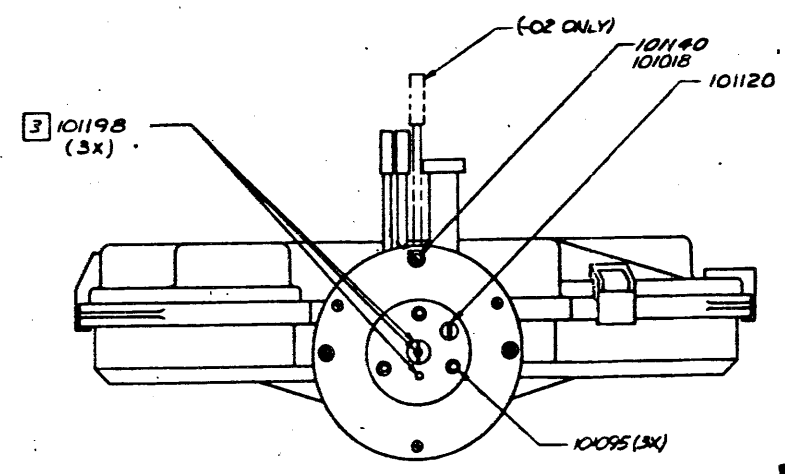
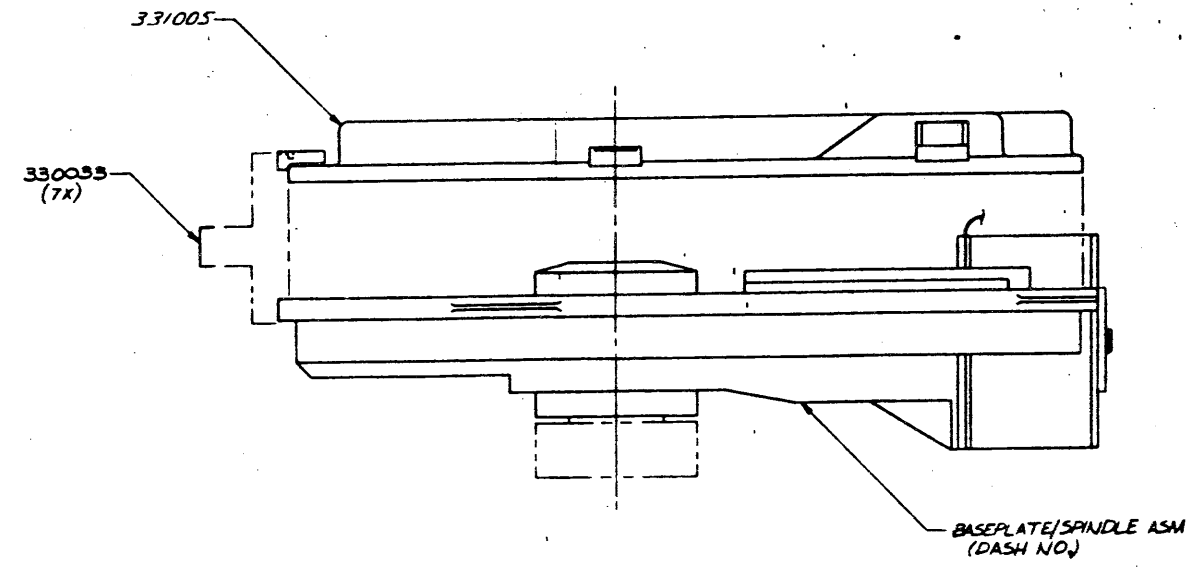
FEB 24 1982

MATERIAL	TOLERANCE UNLESS OTHERWISE NOTED	TITLE	PRIAM
	LINEAR .25 .03	OUTLINE DRAWING	
	ANGULAR .25 .015	FILTERED POWER SUPPLY	
DESIGNED BY	SCALE	SCALE	
DRAWN BY	SCALE	SCALE	
CHECKED BY	SCALE	SCALE	
DATE	SCALE	SCALE	
D 330352			

REV	DATE	BY	APP	DESCRIPTION
1	1508			330463
2	1559			RELEASED FOR ASSEMBLY



- NOTES: (UNLESS OTHERWISE SPECIFIED)
- 1 REMOVE BACKING PAPER ON GASKET #331069 AND AFFIX TO LIMITER ASSEMBLY 331075 PRIOR TO ATTACHMENT TO END PLATE #331076.
 - 2 LOCATE 331019 RING IN 330404 ACTUATOR ASM TO PROTRUDE .020 MIN. AS SHOWN BEFORE INSTALLING END PLATE #331076.
 - 3 331075 LIMITER ASM MUST BE ADJUSTED TO SET THE SERVO STOPS BETWEEN TRACK -32 TO -33 FOR REVERSE TRAVEL AND 569 TO 570 FOR FORWARD TRAVEL. AFTER ADJUSTMENT APPLY 101198 TO THE EXPOSED THREADS OF THE 331075 ASM AND INDICATED SOCKET HD CAP SCREW.



E.C. # 1592
PENDING

FEB 23 1982

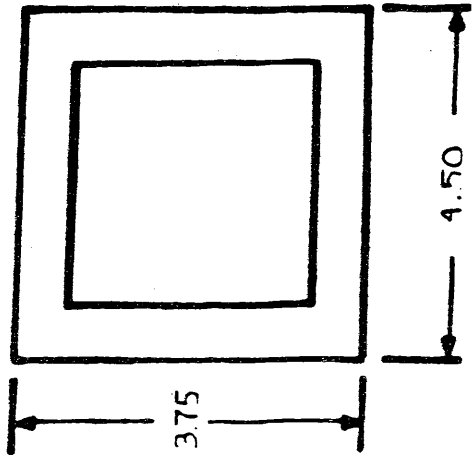
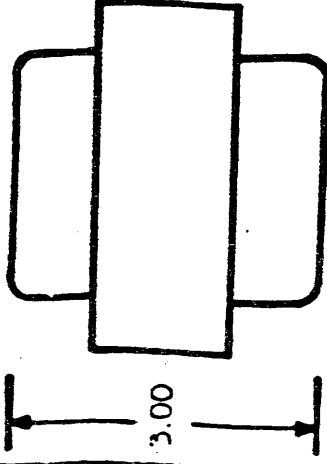
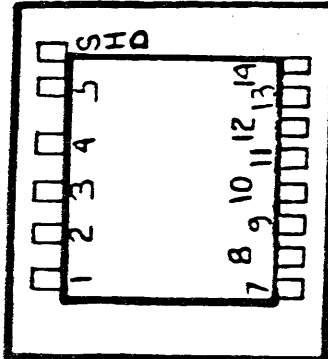
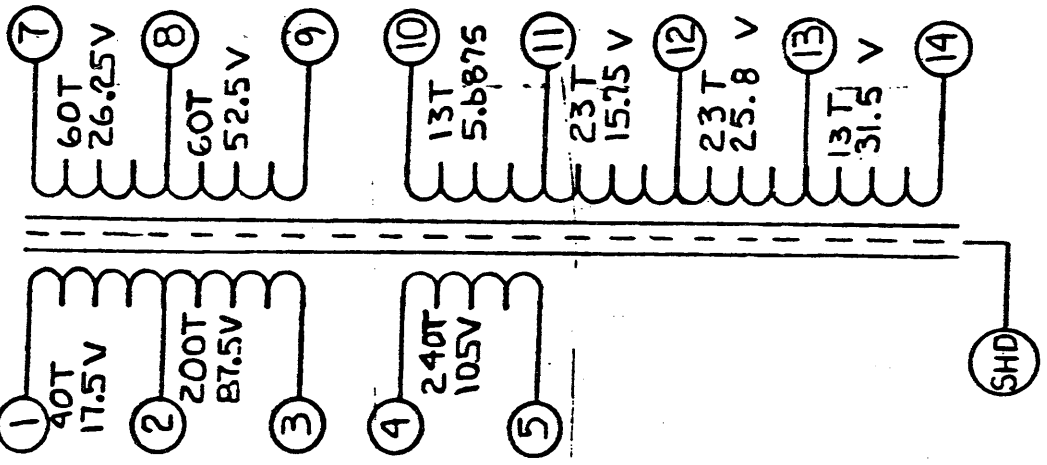
REV	DATE	BY	APP	DESCRIPTION
02	ASM, 15450			
01	ASM, 3350/6650			
DASH NO.		DESCRIPTION		
330463		ASSEMBLY DRAWING		
		BASE PLATE/ACTUATOR (COMMON)		
TOLERANCE UNLESS OTHERWISE NOTED		SCALE 1/2		
DIMENSIONS		D 330463		

PRIAM

WINDING NUMBER	1	2	3	4	5	6	7	8	9	10
WIRE SIZE & TYPE	20NLT	20NLT	17NLT	27NLT	27NLT	15NLT	20NLT			
INSULATION THICKNESS & TYPE										
TOTAL TURNS	240	240	46	13	13	120				
TAPS	40		23			60				
TURNS PER LAYER										
NUMBER OF LAYERS										
LEAD NUMBER	1-23	4-5	11-12-13	10-11	13-14	7-8-9	5-11			
TERMINATION	250-16A38		250-16A0			SELF	250-16A38			
WRAPPER	240-101E						10-101E			
GEARING	2-101		100-33	31-35	31-35		HAND			
CAM SIZE	2.100									

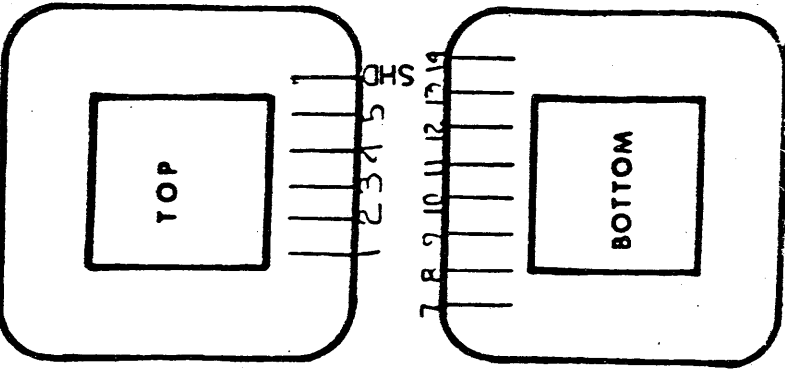
ASSEMBLY:

SCHEMATIC:



BOBBIN-TYPE & PART NO. 200-10a10

BOBBIN NOTCHING



UN-NOTCHED BOBBIN

COIL FINISHING PROCESS

LAMINATION SIZE 20-10170 STACK

LAM. THK. 0.025 LAM. GRADE 1A6 WT. 1.18

KEEPER 201000 GAP INTERLEAVE 1X1

FRAME OR BRACKET LABEL 701

SCREW OR RIVET 3-32-1000 NUT 3-32-1000

LOCK WASHER SHOULDER WASHER 511

TEST PROCEDURE

EXCITATION CURRENT: _____ A. AT _____ VAC
 PRIMARY: 105 VAC AT 60 HZ TERM NO. 1-3
 SECONDARY VOLTAGE(S) - NO LOAD

TERM. NO.	VOLTS	TERM. NO.	VOLTS	TERM. NO.	VOLTS
1-2	11.5	10-11	5.66		
4-5	10.7	10-12	15.75		
7-8	26.25	11-12	25.8		
7-9	52.5	11-14	31.5		

REMARKS

INPUT: 100/120/220/240 VAC ± 10%

USED ON: CP353-1

MARK PART WITH P/N AND REV

NOTES:

> 94% BUILD

REVISIONS

REV	DESCRIPTION	DATE	APPD
A	PROTO UPDATE	4-23-80	
B	PROTO UPDATE	7-1-80	
	INC ECO 3613	8-19-80	
	INC ECO 5341	7-15-81	
	INC ECO 5396	7-30-81	

APPROVALS

DRAWN	DATE
11/16	1/16
CHECK	DATE
MA	3-4-80
APPD	M.M.
	2-4-80

TOLERANCE .XXX±030
 .XXX±010



POWER-ONE, INC.
 531 DAWSON DRIVE
 CAMARILLO, CALIF. 93010 (805)484 2800

TITLE

TRANSFORMER

SIZE CODE IDENT NO. DRAWING NO.

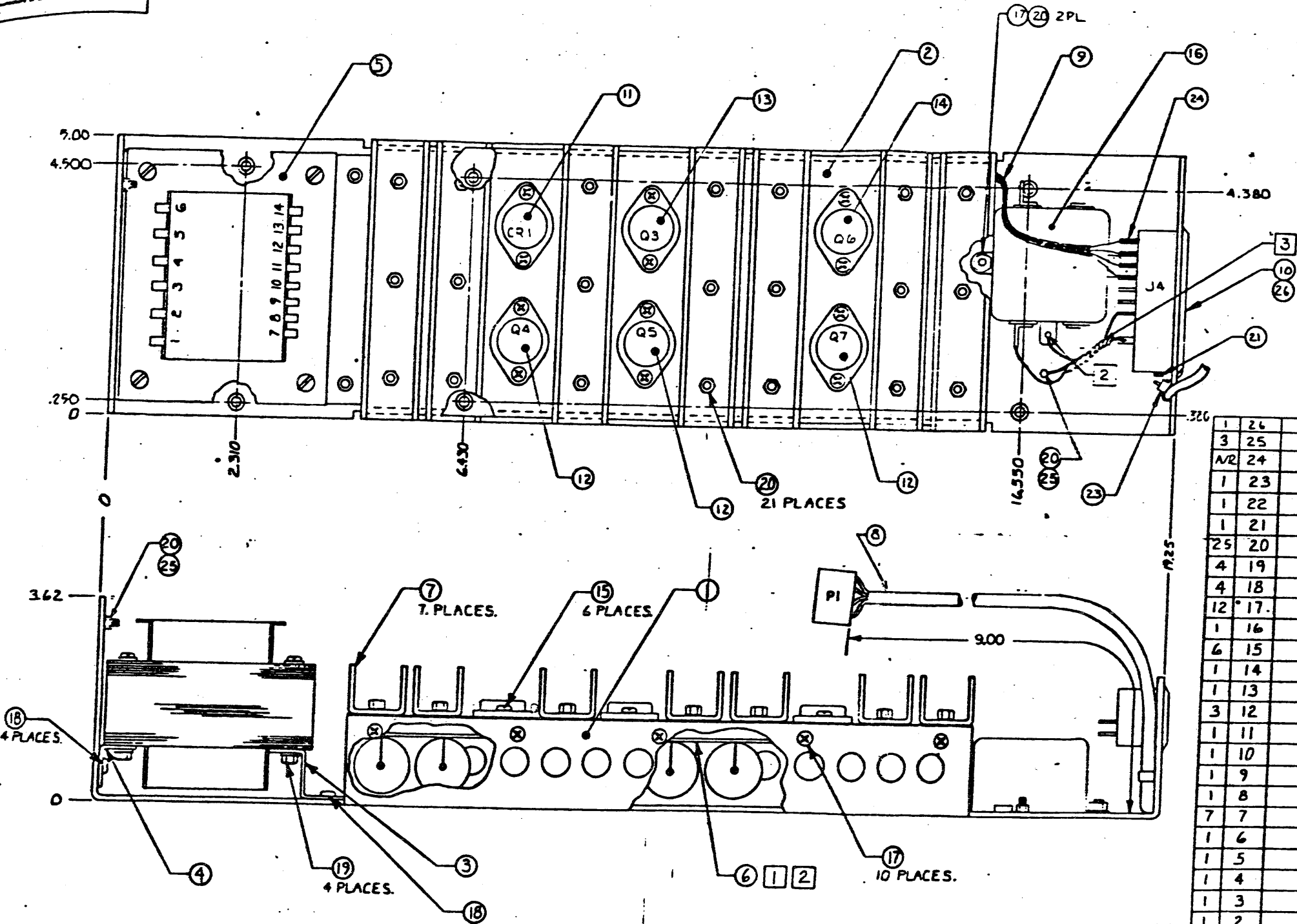
B 54407 18055

SCALE

SHEET 1 OF 1

REVISIONS

A	PROTO UPDATE	12-21-81	
B	PROTO UPDATE	1-24-82	
D	DRTO UPDATE	7-1-80	
E	INC ELO	3-23-81	
F	INC ELO	8-9-81	
G	ADDED ITEM 26	11-11-81	
H	ADDED NOTE 3	12-2-81	
J	REVISED PART NUMBER, UNLTD NOTE (B)	12-15-81	R.J.J.
K	UPDATE ASSEMBLY DRAWING	1-20-82	K.J.J.



2/23
ECO # 6396-649
PENDING
JAN 23 1982
ORIGINAL

QTY	ITEM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	POWER-ONE STD. P/N
1	26		FUSE SAMP	120-10641
3	25		GND LUG	330-10940
NR	24		SHRINK SLEEVING	360-10673
1	23		TYWRAP - PANDUIT	316-10753
1	22		HARNESS	084-17613
1	21		NUT, KEPS 6-32 SM PAT V4:	340-10601
25	20		NUT, KEPS 6-32 .5/16	340-10602
4	19		NUT, KEPS 8-32 .11/32	340-10603
4	18		SCREW 8-32 * 3/8 FL. HD.	351-10216
12	17		SCREW 6-32 * 5/16 FL. HD.	351-10841
1	16		FILTER, LINE	904-20669
6	15		TO-3 MTG KIT	088-20130
1	14		TRANSISTOR	171-10973
1	13		TRANSISTOR	171-10261
3	12		TRANSISTOR	172-10262
1	11		DIODE BRIDGE R711A	140-10003
1	10		CONNECTOR	901-10913
1	9		HARNESS J4	084-17612
1	8		HARNESS P1	084-17614
7	7		HEAT SINK	401-17396
1	6		PRINTED CIRCUIT BOARD	081-17053
1	5		TRANSFORMER	082-18055
1	4		BRACKET, XFMR	412-17368
1	3		BRACKET, XFMR	412-17367
1	2		BRACKET, PCB	412-17052
1	1		CHASSIS	412-17045

3 WIRES FROM TERMS 3, 4, 5 ON RFI FILTER MUST BE TWISTED 2 REVOLUTIONS.
FILTER GND WIRE TO BE INSTALLED WHERE SHOWN.
FOR SCHEMATIC SEE DWG NO. 17048

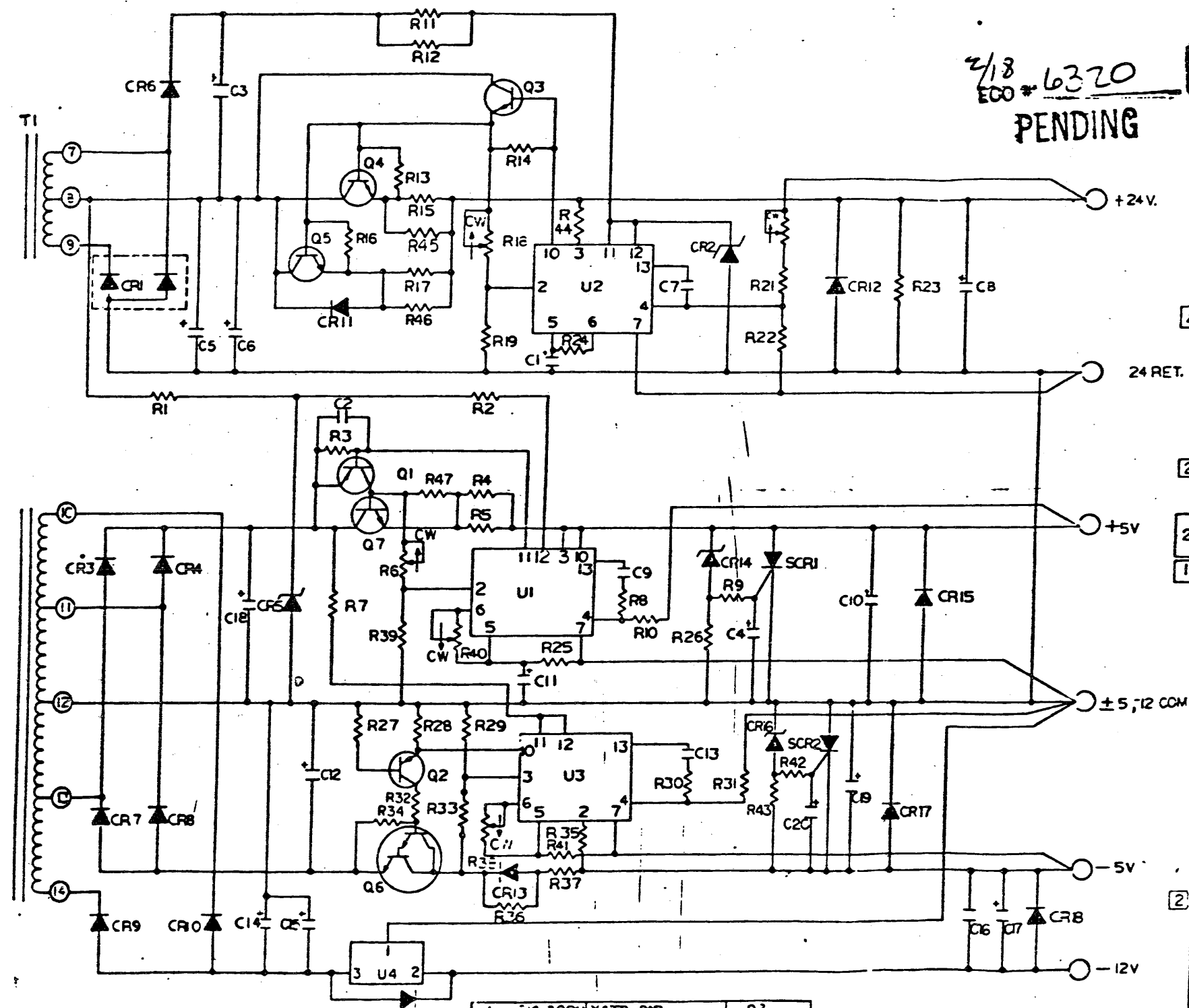
UNLESS OTHERWISE SPECIFIED

TOLERANCE 22 + .000 23 + .010		CONTRACT NO.		POWER-ONE CARMEL, CALIF 95008 (408) 484-2000	
MATERIAL		APPROVALS		DATE	
DRAWN		CHECKED		DATE	
INCHES		APPROVED		DATE	
NEXT ASSY USED ON		SCALE 1-1		SHEET 1 OF 1	
APPLICATION		DO NOT SCALE DRAWING		DRAWING NO. 17044	
				D 54407 K	

FEB 08 1982
ORIGINAL

2/18
 ECO # 6320
 PENDING

REV	DATE	BY	DESCRIPTION
C	10-24-80		PCB UPDATE
D	7-1-81		PROTE UPDATE
E	3-2-81		INC ECO 5 3613 1 3667
F	3-2-81		ADDED NOTE 1 PER ECO
G	11-21-81		INC ECO
H	2-24-81		DELETED P/W FOR C2
J	3-2-81		INC ECO
K	3-6-81		INC ECO 4975 4 5323 (9422)
L	2-29-81		DELETE ON HARDWARE LIST
M	10-23-81		INC ECO
N	12-15-81		SCHEMATIC UPDATE



C7	.001/100V	CAPACITOR MYLAR	104-10093
C3	47/50	CAPACITOR ALUM ELECT	101-10112
C14,11,17,20	10/25V	CAPACITOR ALUM ELECT	101-10114
C2		CAPACITOR MYLAR	
C18	16000/15V	CAPACITOR ALUM ELECT	102-10096
C5,6	3700/60V		102-10102
C8	330/35		101-10109
C10,19	220/16V		101-10107
C12	5,000/15V		102-10097
C14,15	230/35V	ALUM ELECT	101-10110
C9,13,16	01/100V	CAPACITOR MYLAR	104-10095
CR1	R711A	DIODE BRIDGE	140-10003
CR2	1N973B	DIODE ZENER 35V	112-10286
CR5	1N965B	DIODE ZENER .15V	112-10009
CR14,16	1N752	DIODE ZENER .56V	112-10002
CR3,4	MR750	DIODE 22A 80V	111-10256
CR7,10,15,18,19	1N4001	DIODE 1A 500V	111-10251
CR25,13	1N5401	DIODE 3A 100V	111-10332
CR11,12	1N4003	DIODE 1A 200V	111-10251
SCR1,2	S0508 LS3	SCR 50V 8A	160-10013
Q6	2N6055	TRANSISTOR NPN DARL	171-10973
Q1	2N6354	TRANSISTOR PNP	172-10250
Q2	2N2907A	TRANSISTOR NPN	172-10243
Q55	2N3773	TRANSISTOR NPN	171-10244
Q3,7	2N3771	TRANSISTOR NPN	171-10245
U2,3	uA 723	I.C VOLTAGE REGULATOR	130-10287
U4	uA 7912	I.C VOLTAGE REGULATOR	130-20573
R3,13,16,47	22.2	RESISTOR 1/2W 5% CF	151-10325
R33	270Ω		151-10351
R1,39,29,23	2.2K		151-10373
R2,3,24	330Ω		151-10353
R0,14,27,31,34,35	1K		151-10365
R28,32,78	82Ω		151-10369
R26,43	47Ω		151-10333
R11,12	7.5K		151-10336
R19	10K		151-10389
R36,42,44	2.7Ω		151-10325
R21	2.7K		151-10375
R22	1.6K		151-10370
R25,41	2.4K		151-10374
R15,74,46	.39Ω	1/2W, 5%, C.F.	158-10081
R37	.18Ω	2W, BWH	158-10078
R4,5	.12Ω	POTENTIOMETER 2W, 10W	158-10077
R6,10,20,38,40	2K	POTENTIOMETER	154-20261
T1		TRANSFORMER (REF)	682-1A056
PCB		PRINTED CIRCUIT BOARD	505-17053

PARTS INSTALLED IN FINAL ASSEMBLY.
 MOUNT HEAT-SINK BRACKET # U4 IN DEPT. 352.
 NOTES: UNLESS OTHERWISE SPECIFIED

1	519-2004	XSTR PAD	Q2
3	32-679	I.C SOCKET 4 PIN	U1,2,3
1	355-0964	SCREW 1/4"	U4
			C2C
			CR2
			U4
			NOT USED
			NOT USED
Q1	S10 P/W	DESCRIPTION	USED ON

NO. 158ANCE 22 + 688 222 + 890	CONTRACT NO.	POWER-ONE CAMARILLO, CALIF 91300 (805)464-1000	
APPROVED	DATE	12-26-81	
SCHEMATIC			
SIZE	CODE IDENT. NO.	DRAWING NO.	
D	54407	17048	R
SCALE		SHEET 1 OF 1	