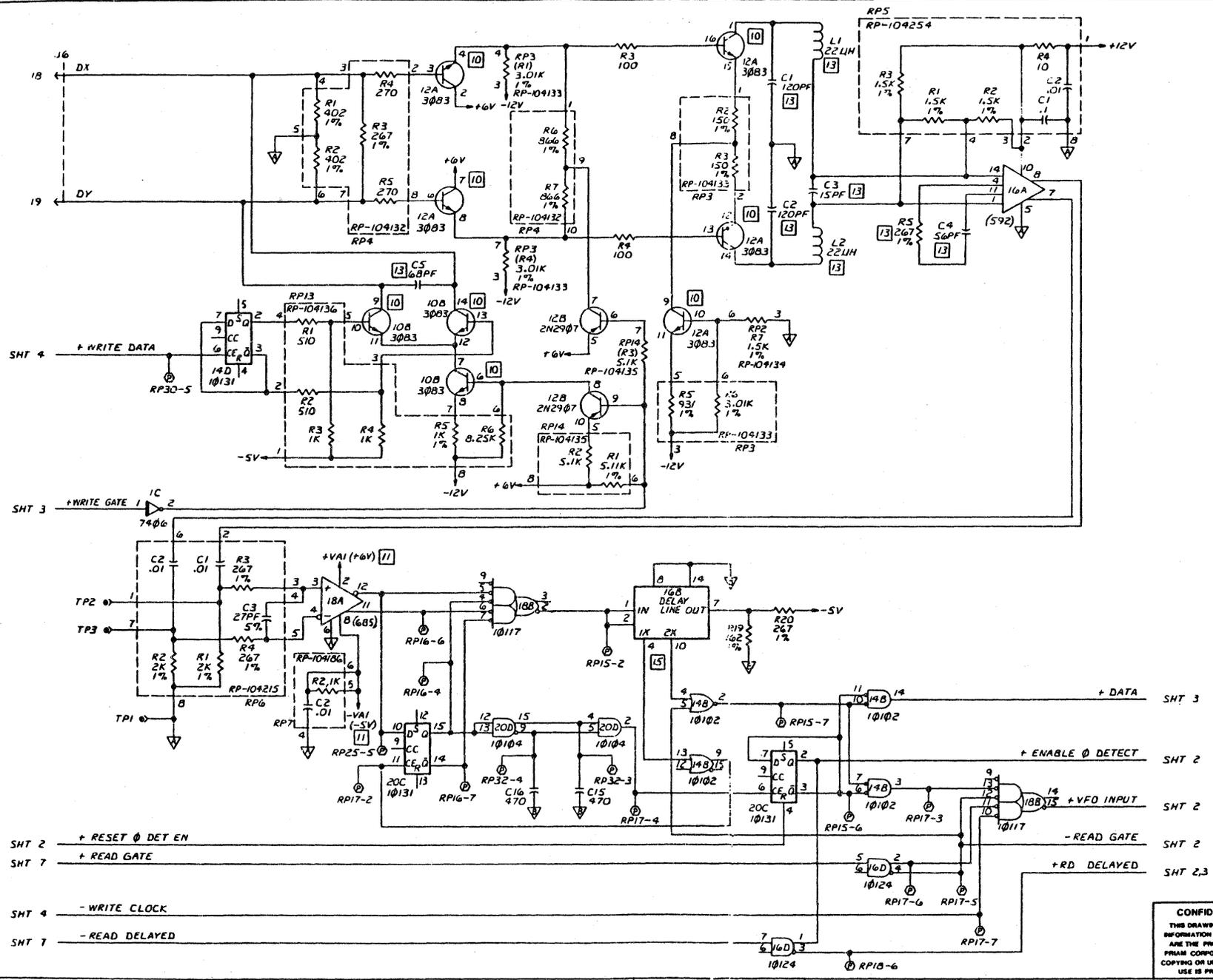


DATE	E/C NO	DATE	E/C NO	200439
1/22/73	1818	12/4/73	1896	
6/12/73	1897			
6/14/73	1922			
1/17/73	1929			

SHEET AND REVISION TABLE									
SHT	1	2	3	4	5	6	7	8	9
REV	E	B	B	B	B	A	B	A	C



- [15] FOR 3450 (200438-01) AND 7050 (200438-02) 1X IS 60WS AND 2X IS 105NS. FOR 804 (200438-03) AND 803 (200438-04), 1X IS 50NS AND 2X IS 91.5NS.
- [14] PINS 5,12 ARE FOR 3450 (200438-01), 7050 (200438-02), AND 803 (200438-04), 1X IS 50NS AND 2X IS 91.5NS.
- [13] VALUES SHOWN ARE FOR 3450 (200438-01) AND 7050 (200438-02). VALUES FOR 804 (200438-03) AND 803 (200438-04). SEE TABLE ON SHT 9 OF 9.
- [12] JUMPERS SHOWN ARE FOR (200438-01) 3450. FOR REFERENCE SEE JUMPER TABLE ON SHT 9 OF 9.
- [11] ±VA1, ±VA2, ±VA3 REPRESENTS RESISTOR PACK (RP1, RP7, RP20). FOR REFERENCE SEE TABLE ON SHT 9 OF 9.
- [10] PIN 5 IS TIED TO -12V (SEE TABLE ON SHT 9 OF 9).
- [9] HEATSINK IS REQUIRED FOR Q1.
- 8. ALL IC'S ARE 74LSXXX.
- 7. ALL DIODES ARE IN4454.
- [6] THIS SYMBOL ⊕ REPRESENTS PULL-DOWN RESISTOR 470 OHMS TO -5V (RP15 - RP19, RP25-RP39). (SEE SHT 9 OF 9).
- 5. ALL "PF" CAPACITORS ARE 5%.
- 4. ALL CAPACITORS ARE IN MICROFARADS.
- [3] CR4 AND R40 ARE FOR 803 (200438-04), 40B TO -5V IS FOR 3450 (200438-01), 7050 (200438-02), AND 804 (200438-03). 40B TO VREF. IS FOR 803 (200438-04).
- 2. ALL RESISTORS ARE 1/4W, 5% AND ARE IN OHMS.
- 1. THIS SCHEMATIC DIAGRAM REPRESENTS ASM 200438-01 AT EC LEVEL 1929, ASM 200438-02 AT EC LEVEL 1929, ASM 200438-03 AT EC LEVEL 1929, ASM 200438-04 AT EC LEVEL 1996.

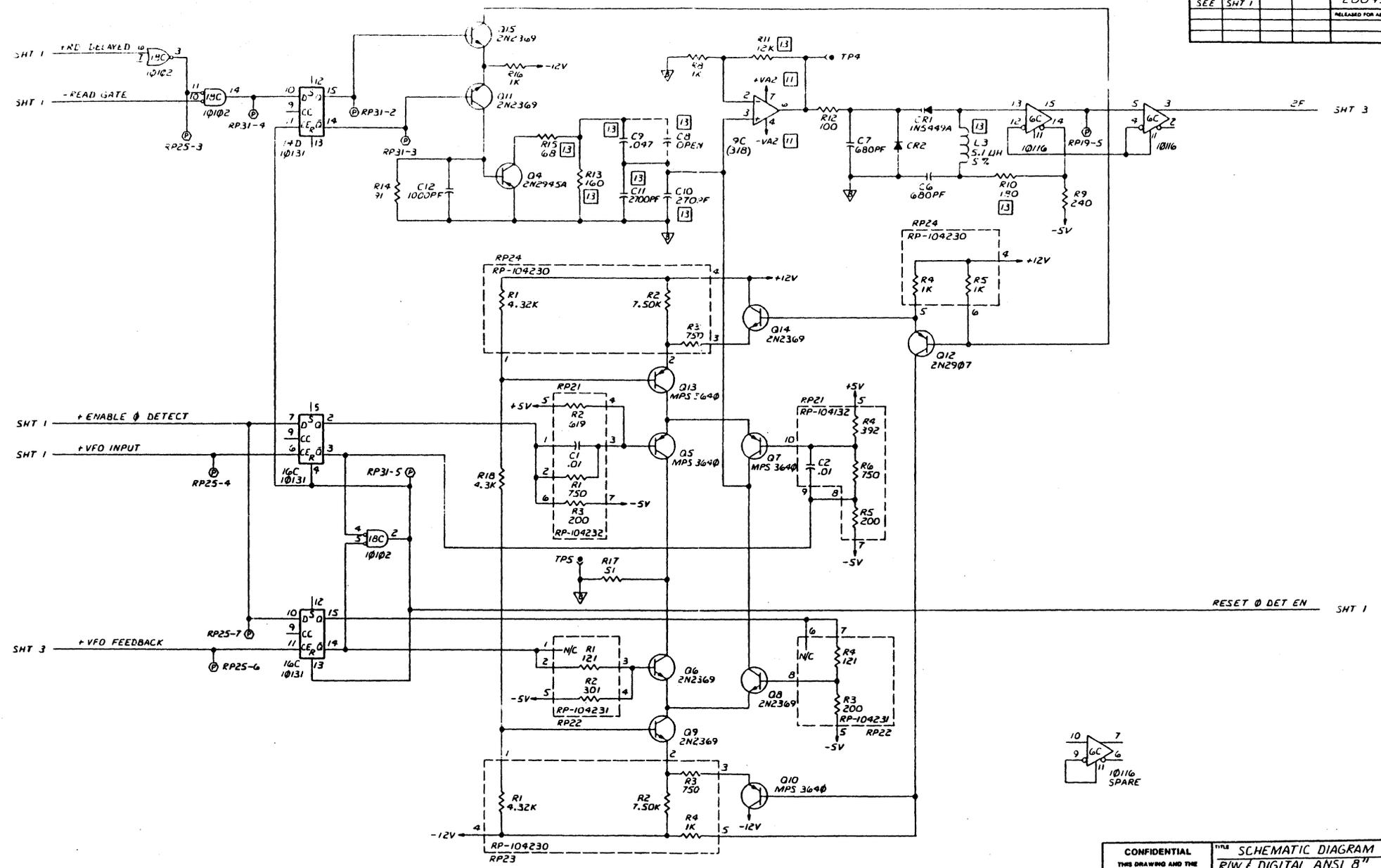
NOTES: (UNLESS OTHERWISE SPECIFIED)

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	REV	R/W & DIGITAL ANSI B 77		
	ISSUED	1/18/76	SCALE	INT.
	DETAIL	OLA	10-26/76	SHEET 1 OF 9 E
	DATE CHG	6/17/73	BY	11/12/73
APP'D	1/12/73	DATE	11/12/73	200439

F
E
D
C
B
A

4 5 4 3 2 1

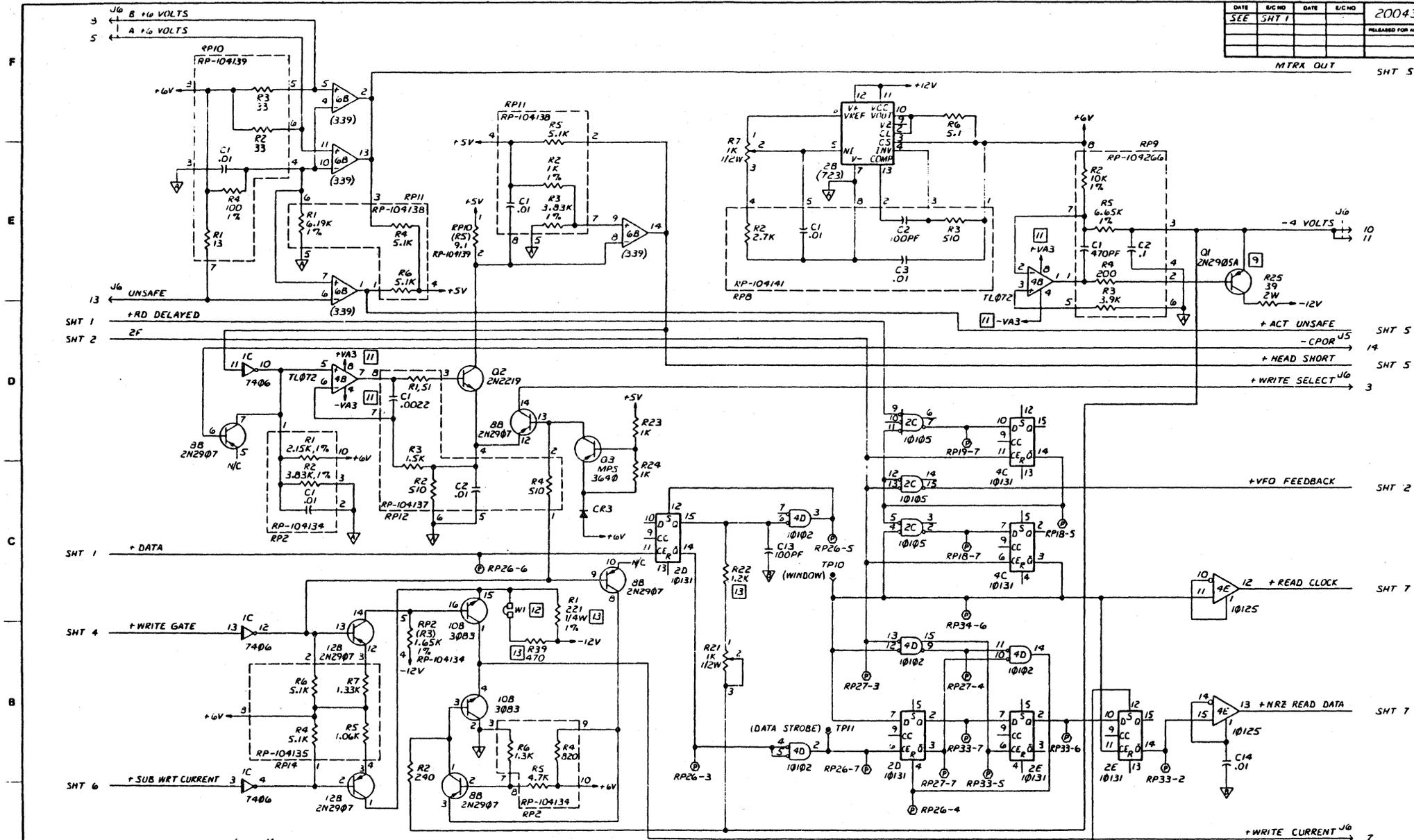
DATE	E.C.NO	DATE	E.C.NO	200439
SEE	SHT 1			RELEASED FOR ASSEMBLY



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	DESIGN	R/W & DIGITAL ANSI B"		
	DATE	SCALE	REV	
	APPROVED	DATE	SHEET 2 OF 9	
		D 200439		PRIAM

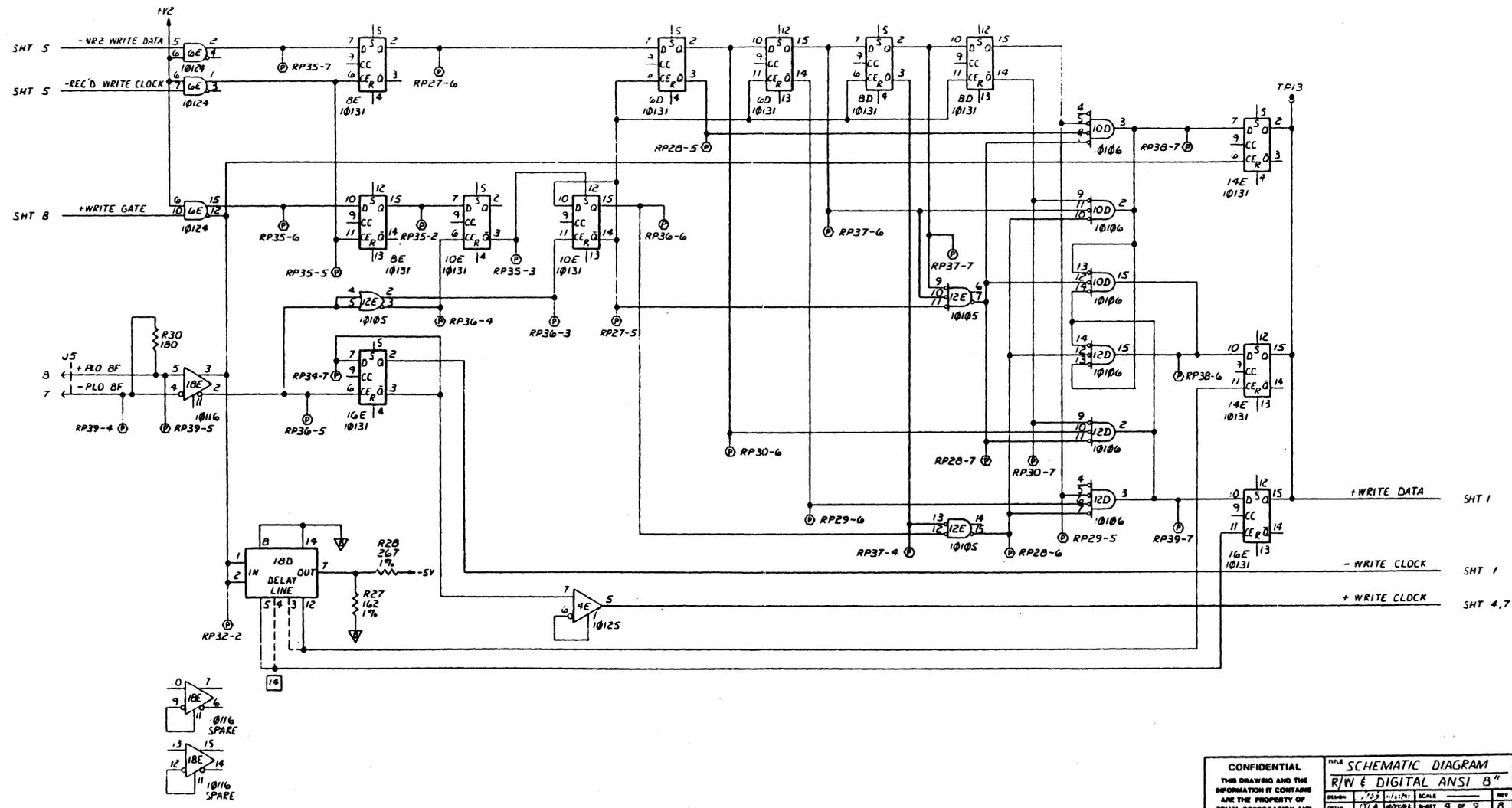
DATE	E/C NO	DATE	E/C NO	200439
SEE	SHT 1			RELEASED FOR ASSEMBLY

MTRX OUT SHT 5



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	DESIGN 1128 SCALE	DATE 10-12-53 SHEET 3 OF 9 REV B	DATE CHG 5/5/54 BY 11/1/54	
	APPD 11/1/54			
	D 200439			

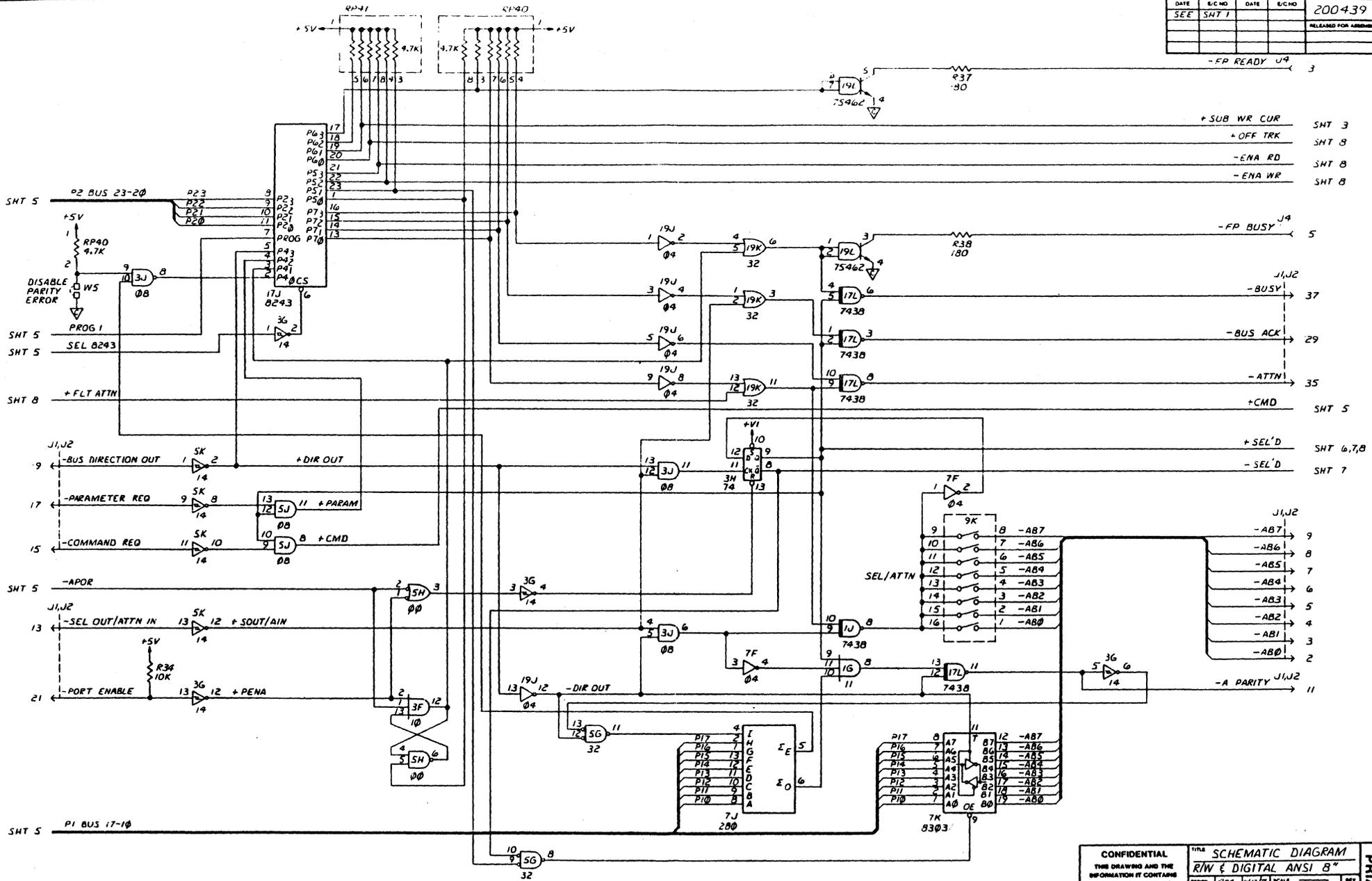
DATE	E/C NO	DATE	E/C NO	200439
SEE	SHT 1			
				RELEASED FOR ASSEMBLY



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	DRAWN: [Signature] DATE: 11/1/81 SCALE: [Blank] REV: [Blank]
	CHECKED: [Signature] DATE: 11/1/81 SHEET: 4 OF 9
	APPROVED: [Signature] DATE: 11/1/81 D 200439

PRIMA

DATE	E/C NO	DATE	E/C NO	200439
SEE	SHT 1			RELEASED FOR ASSEMBLY



+ SUB WR CUR	SHT 3
+ OFF TRK	SHT 8
- ENA RD	SHT 8
- ENA WR	SHT 8

- FP BUSY	J4	5
- BUSY	J1,J2	37
- BUS ACK		29
- ATTN		35
+ CMD	SHT 5	
+ SEL'D	SHT 6,7,8	
- SEL'D	SHT 7	

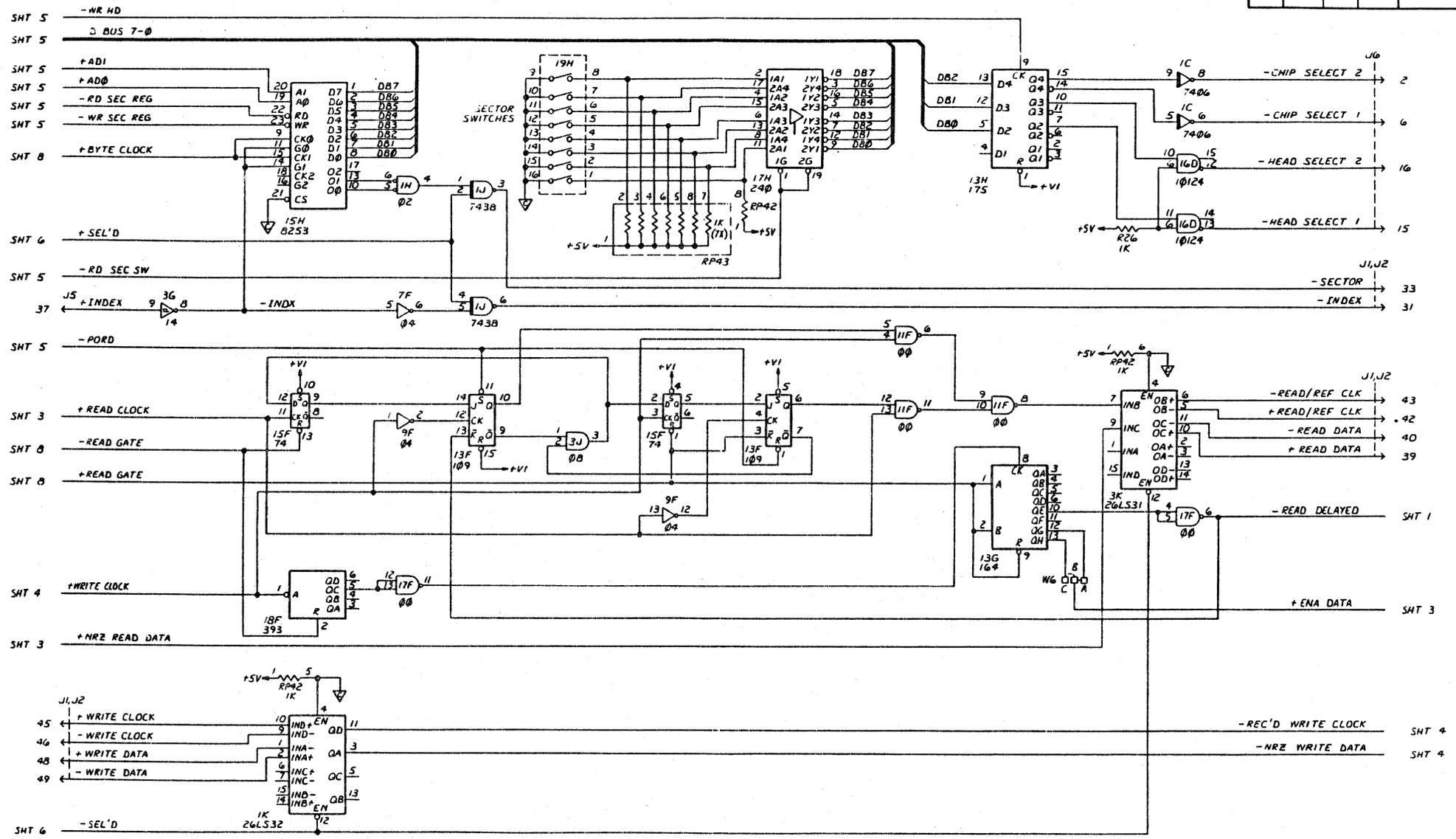
- AB7	J1,J2	9
- AB6		8
- AB5		7
- AB4		6
- AB3		5
- AB2		4
- AB1		3
- AB0		2
- A PARITY	J1,J2	11

CONFIDENTIAL

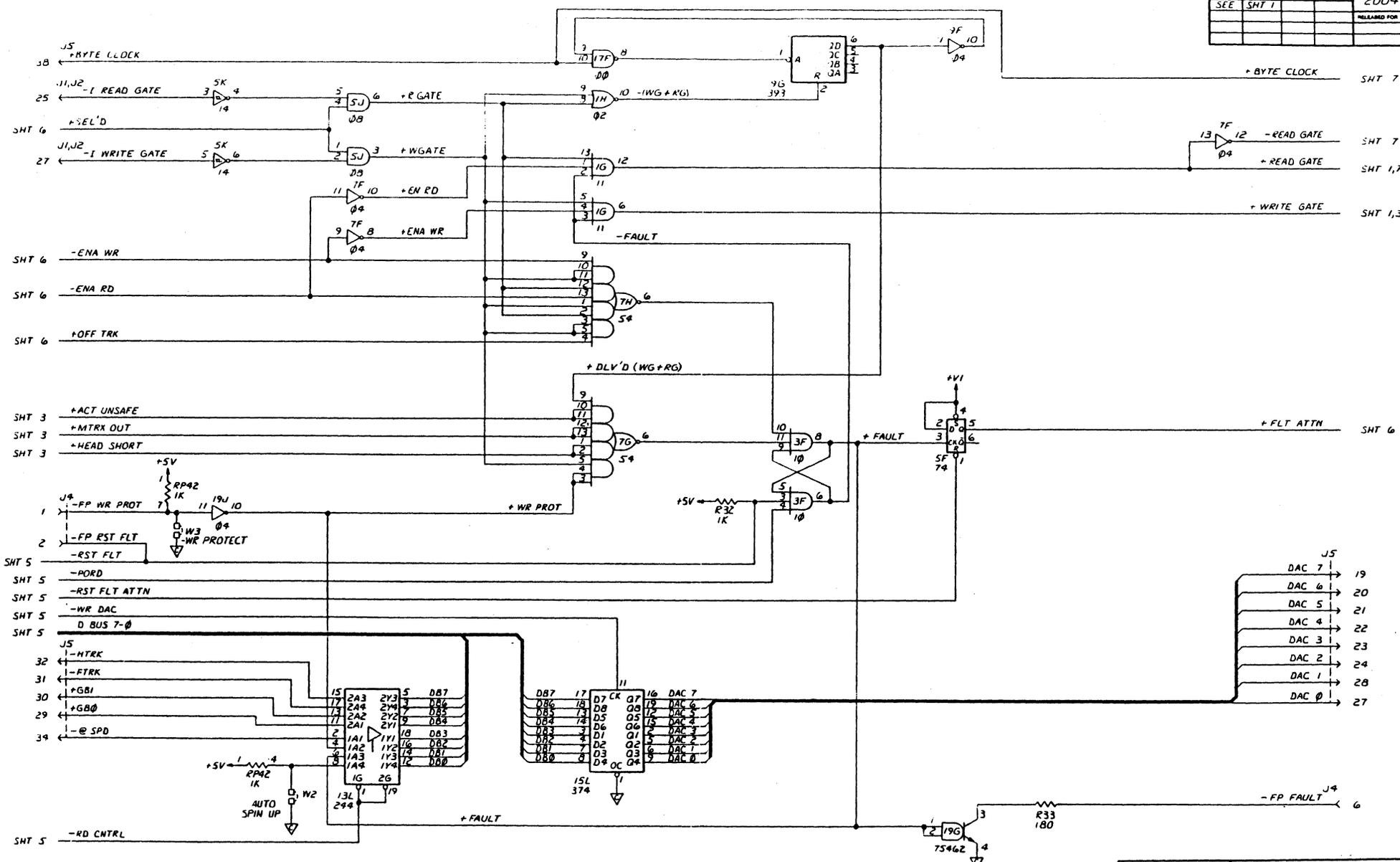
TITLE SCHEMATIC DIAGRAM
R/W & DIGITAL ANSI B"

DESIGN	22A	REV	1
DATE	01A	SCALE	1/8" = 1"
BY	22A	SHEET	6 OF 9
CHKD	22A	DATE	25 JUN 73
APPD	22A	NO	200439

PRIM



DATE	E/C NO	DATE	E/C NO	200439
SEE	SHT 1			RELEASED FOR ASSEMBLY



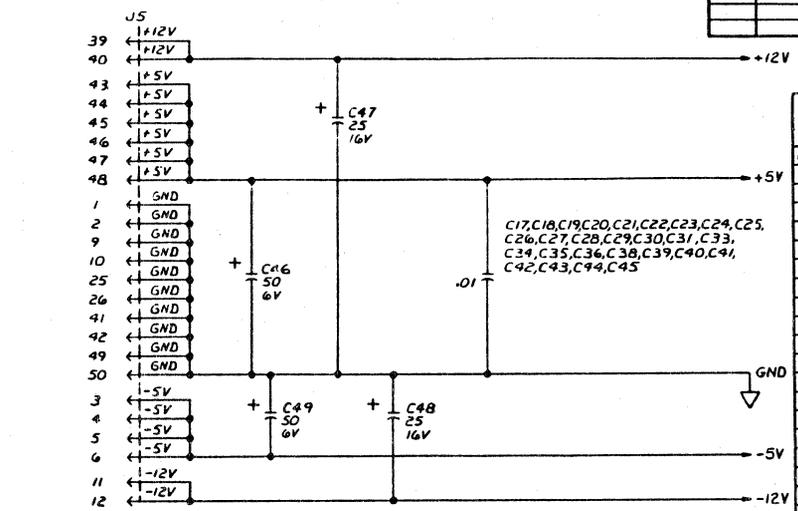
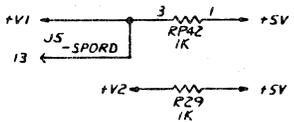
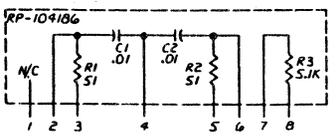
- J5 DAC 7 → 19
- DAC 6 → 20
- DAC 5 → 21
- DAC 4 → 22
- DAC 3 → 23
- DAC 2 → 24
- DAC 1 → 28
- DAC 0 → 27

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	DESIGNER: JWA CHECKED: JWA DATE: 1/11/74	SCALE: 1:1 SHEET: 8 OF 9 DRAWN: JWA	
	APPROVED: JWA DATE: 1/11/74	DESIGNED: JWA DATE: 1/11/74	
	D 200439		

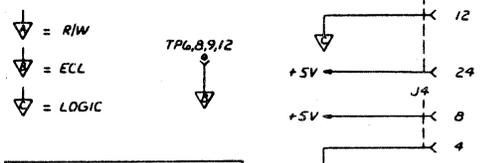
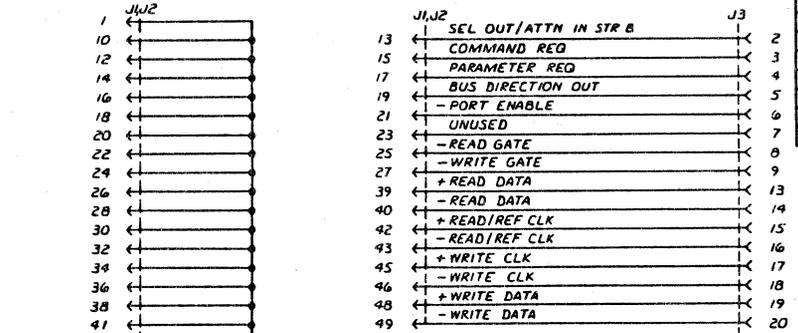
IC TYPE	IC LOCATION & GND			BUS USED	UNUSED ELEMENTS	+5V	GND	-5V	+12V	-12V
	BUS A	BUS B	BUS C							
74LS00			11F,17F,5H	11F1,17F1	14	7				
74LS02			1H	1H1,3	14	7				
74LS04			7F,9F,19J		14	7				
74LS08			3J,5J		14	7				
74LS10			3F		14	7				
74LS11			1G		14	7				
74LS14			3G,5K		14	7				
74LS32			5G,19K	5G1,19K3	14	7				
74LS54			7G,7H		14	7				
74LS74			5F,15F,3H		14	7				
74LS109			13F		16	8				
74LS139			15G		16	8				
74LS175			13H		16	8				
74LS240			17H		20	10				
74LS244			13L		20	10				
74LS273			11H		20	10				
74LS280			7J		14	7				
74LS374			15L		20	10				
74LS393			18F,9G	18F2	14	7				
10102		14B,19C,4D				1,16	8			
10104		20D				1,16	8			
10105		2C,12E				1,16	8			
10106		10D,12D				1,16	8			
10116		6C,18E		6C2,18E2,3		1,16	8			
10117		18B				1,16	8			
10124		16D,6E				9	16	8		
10125		4E				9	16	8		
10131		4C,14C,20C,2D,6D,8D,14D,2E,6E,10E,14E,16E				1,16	8			
74LS164		13G				14	7			
26LS31		3K				16	8			
26LS32		1K				16	8			
2732		15J				24	12			
2N2907		8B,12B								
3083		12A,10B								
4020		9N				16	8			
(592)		16A								
(685)		18A					1,16			
(723)		2B								
7406		1C				14	7			
7438			1J,17L			14	7			
75462			19G,19L			8	4			
8039			12J			26,40	20			
8243			17J			24	12			
8253			15H			24	12			
8303			7K			20	10			
DELAY LINE		16B,18D								
(310)		9C								
(339)		6B					12			3
7L072		4B								

RESISTOR PACK DESIGNATION	PIN NUMBER							
	1	2	3	4	5	6	7	8
RP1	N/C	+VA3	+12V	A GND	-12V	-VA3	N/C	N/C
RP7	N/C	+VA(4V)	+4V	B GND	-5V	-VA(-5V)	N/C	N/C
RP20	N/C	+VA2	+2V	B GND	-12V	-VA2	N/C	N/C

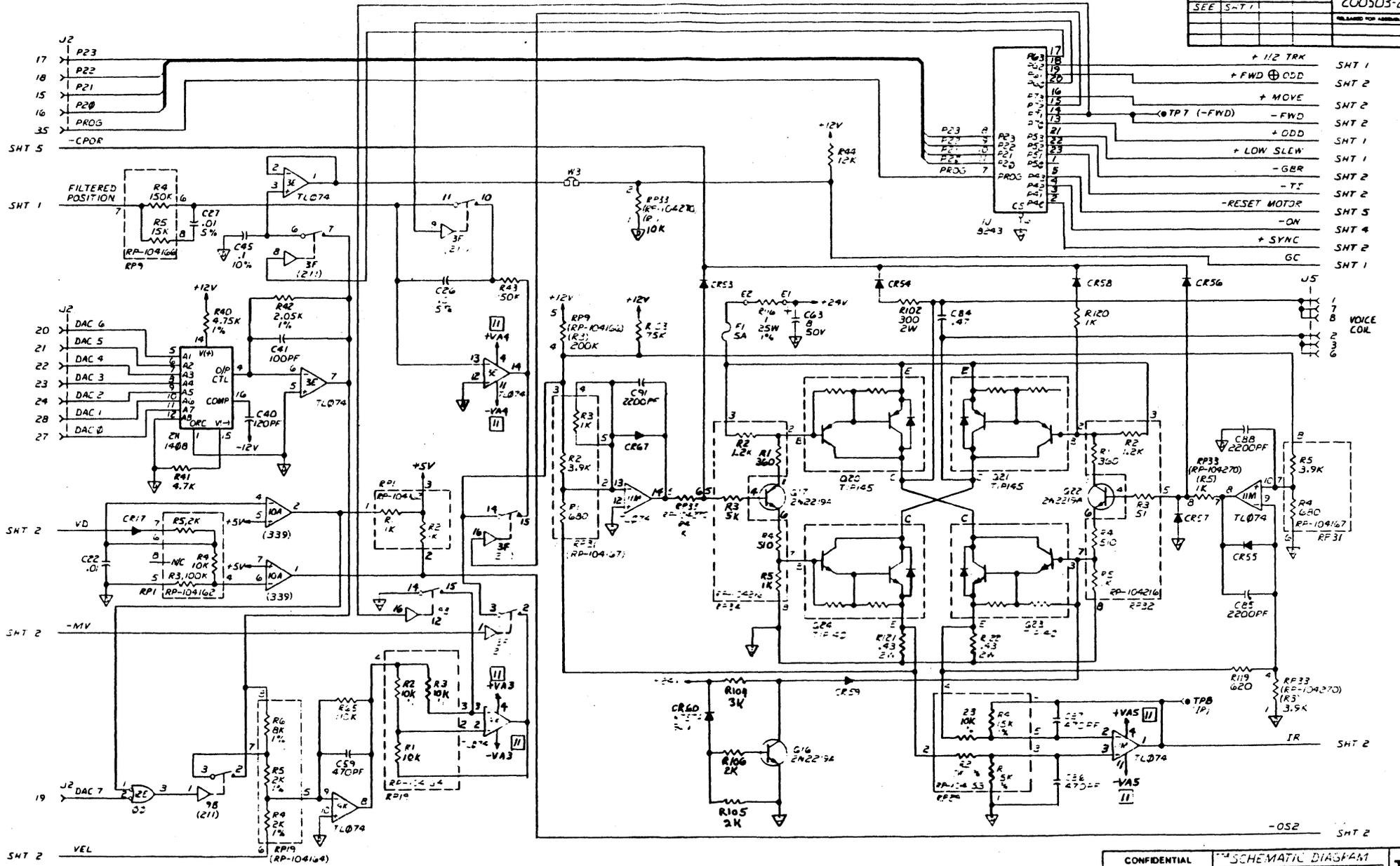
V DESIGNATION	CONNECTED TO
+V1	SF2,4,10,13F,15,15F,4,10,3H10,13H1
+V2	SF13,6E6

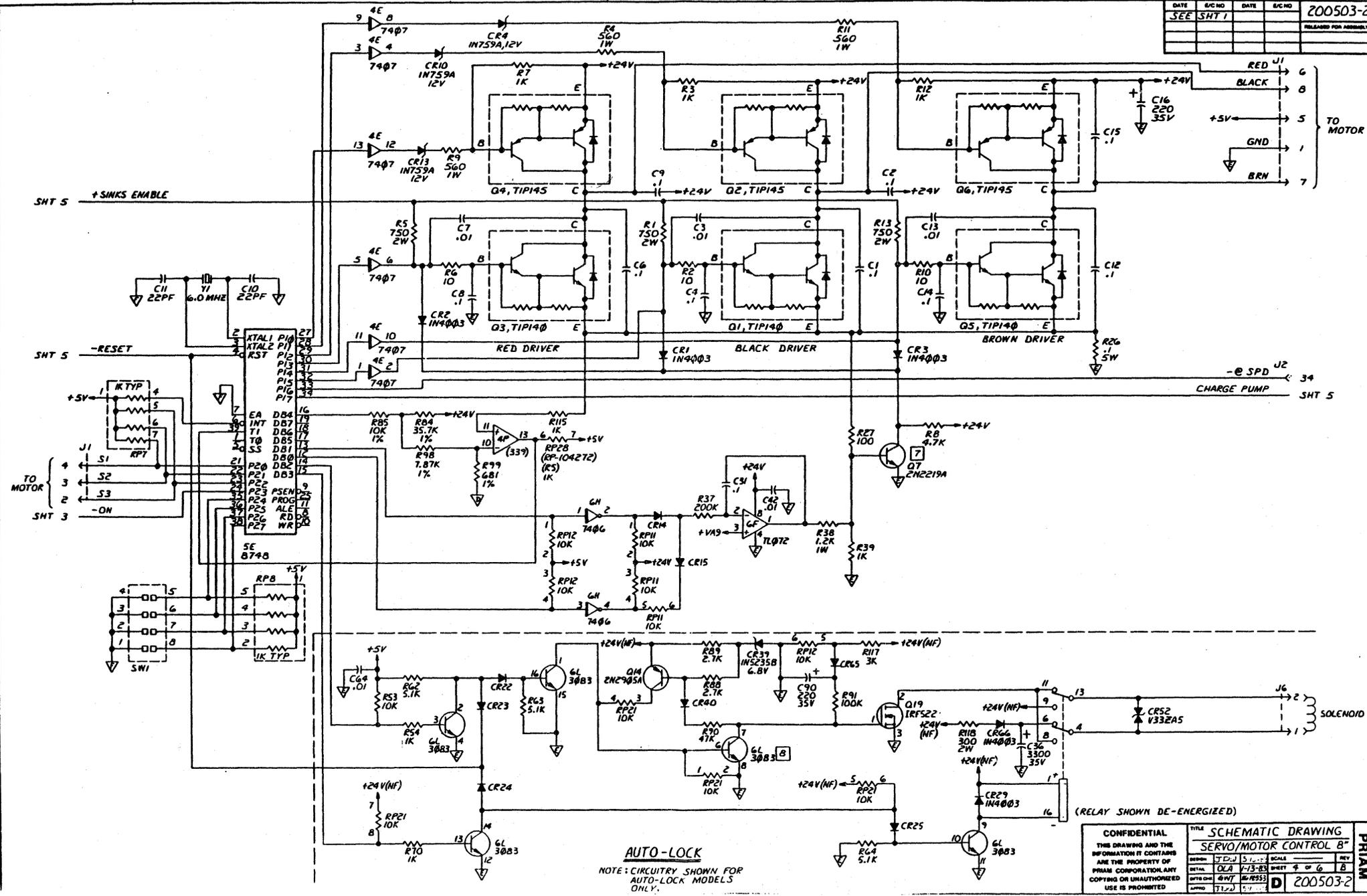


VALUES FOR 804 (200438-03) AND 803 (200438-04)			
REF DES	VALUE -03	VALUE -04	
C1	82PF	68PF	
C2	82PF	68PF	
C3	10PF	15PF	
C4	27PF	56PF	
C5	47PF	56PF	
C8	.022	.022	
C9	OPEN	1000PF	
C10	680PF	470PF	
C11	680PF	1000PF	
L1	15μH,5%	15μH,5%	
L2	15μH,5%	15μH,5%	
L3	2.2μH	2.2μH	
R1	261,1%	261,1%	
R5	470	200	
R10	68	68	
R11	10K	8.2K	
R13	130	240	
R15	180	110	
R22	510	470	
R39	OPEN	OPEN	

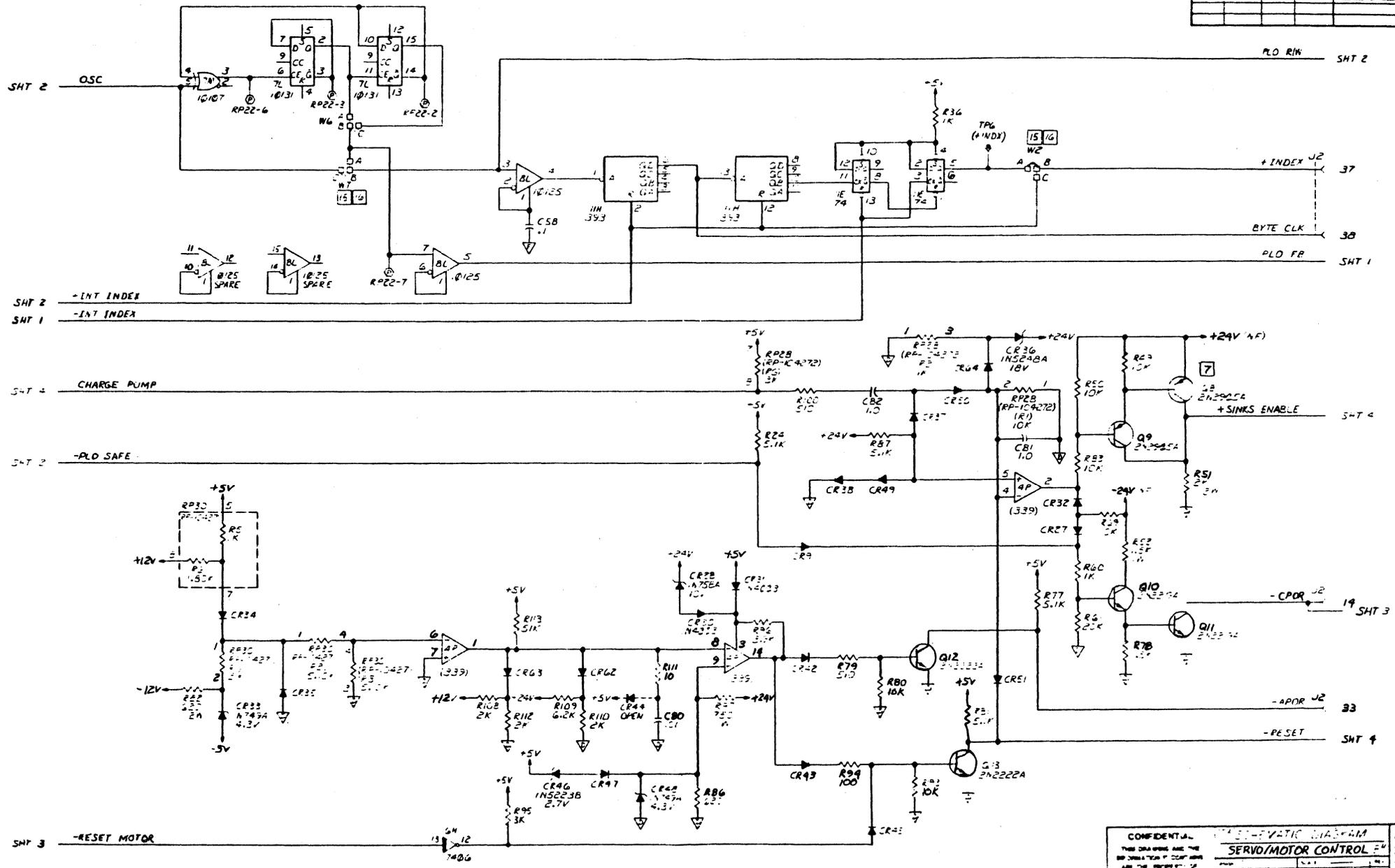


REFERENCE DESIGNATIONS	
LAST USED	NOT USED
C49	
CR4	
R40	
RP43	
L3	
TP13	TP7
W6	
Q15	
Y1	
J6	





DATE	E.C.M.	DATE	E.C.M.	200503-2
3/22	SHT 1			RELEASE FOR ASSEMBLY



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BY
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PRIAM

