



digital

RXOI
Engineering Drawings
Digital Equipment Corporation

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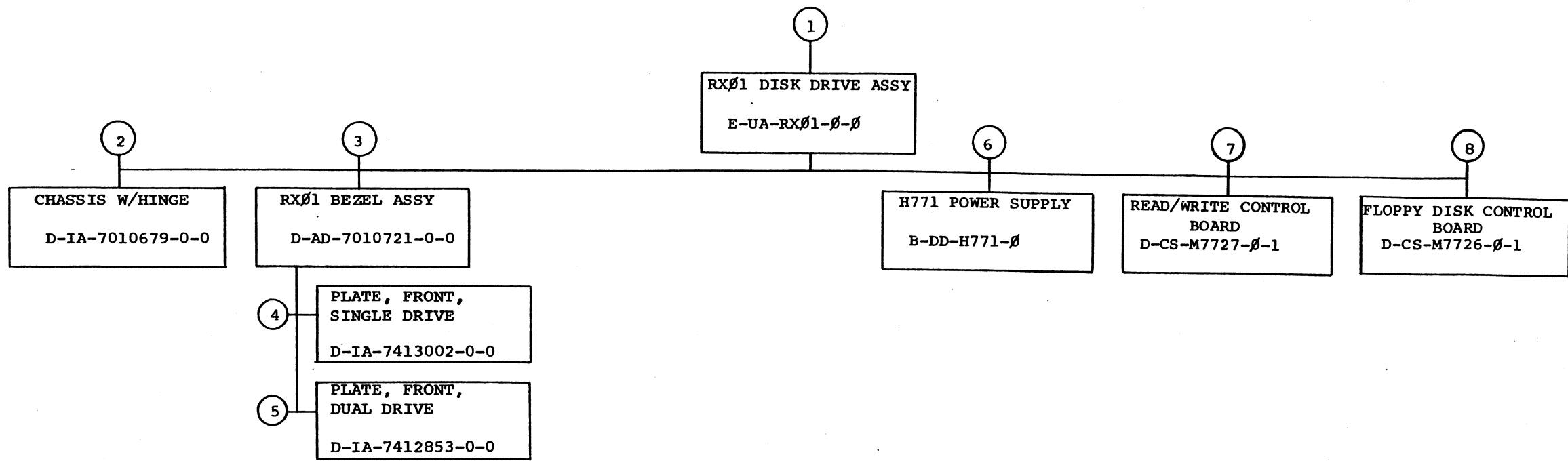
THIS IS PRINT SET

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SEQUENCE

D-CS-M7727-Ø-1
B-DD-H771-Ø

REVISIONS	REV		USED ON OPTION/MODEL	DRN.	DATE	TITLE									
	CHG. NO.			W. McCarthy	2/3/79	RX01 FLOPPY DISK DRIVE									
	DATE			CHK'D.	DATE										
				M ^C Carthy	5/29/75										
				PROJ ENG. P.	DATE										
				PROD.	DATE	SIZE	CODE	NUMBER			REV				
				JDMiller	6/13/75	B	DD	RX01-0							
		FIELD SERV.	DATE	DIST											
		SHEET 1 OF 3		K Miller	6/13/75										



TITLE	SHEET	OF	SIZE	CODE	NUMBER	REV
RX01 FLOPPY DISK DRIVE	SHEET 2	OF 3	B	DD	RX01-0	

CUSTOMER PRINT SET					MECHANICAL					CUSTOMER PRINT SET					ELECTRICAL					
MFG. SET					MFG. SET					MFG. SET					MFG. SET					
FIND NO.					FIND NO.					FIND NO.					FIND NO.					
DRAWING NO.					DRAWING NO.					DRAWING NO.					DRAWING NO.					
REV					REV					REV					REV					
NO OF SHT					NO OF SHT					NO OF SHT					NO OF SHT					
DESCRIPTION					DESCRIPTION					DESCRIPTION					DESCRIPTION					
OPTION NO./FILE DATE					OPTION NO./FILE DATE					OPTION NO./FILE DATE					OPTION NO./FILE DATE					
					1	E-UA-RX01-0-0		5	RX01 FLOPPY DISK DRIVE ASSY		X				1	B-DD-RX01-0	#	3	RX01 FLOPPY DISK DRIVE	
						A-PL-RX01-0-0		2	RX01 FLOPPY DISK DRIVE ASSY (PI)											
						E-IA-7412666-0-0		1	COVER, TOP							A-PI-3700185-0-0		2	PACKAGING INSTRUCTIONS	
						D-IA-7010646-0-0		1	CABLE, EXTENSION, RX01							A-PI-3700193-0-0			CUST. PACKAGING INSTRUCTIONS	
						C-IA-7008612-0-0		1	CABLE, KEYBOARD											
						D-UA-BC05L-0-0		1	CABLE, JUMPER											
						D-IA-7010696-0-0		1	HARNESS, VOLTAGE VARIATION											
						C-MD-7413350-0-0		1	BRACKET, SHIPPING, RX01											
						C-MD-7409479-0-0		1	PLATE, PRESSURE											
						C-MD-5509081-0-0		1	PANEL, LIGHT (RX01)											
					2	D-IA-7010679-0-0		1	CHASSIS W/HINGE											
						E-IA-7412665-0-0		1	CHASSIS, FLEXIBLE DISK DRIVE											
						C-MD-7413236-0-0		1	HINGE, LOGIC											
					3	D-AD-7010721-0-0		1	RX01 BEZEL ASSY											
						E-MD-7412664-0-0		1	BEZEL, RX01	X				7	D-CS-M7727-0-1	#	6	READ/WRITE CONTROL BOARD		
						A-DC-7413429-0-0		1	LOGO, RX01						D-IA-5011370-0-0		1	ETCHED CIRCUIT BOARD (M7727)		
					4	D-IA-7413002-0-0		1	PLATE, FRONT, SINGLE DRIVE											
						C-SS-7413002-0-1		1	SILK SCREEN, SINGLE DRIVE	X				8	D-CS-M7726-0-1	#	9	FLOPPY DISK CONTROL BOARD		
																A-SP-M7726-0-7	3	ACCEPTANCE TEST PROCEDURE		
					5	D-IA-7412853-0-0		1	PLATE, FRONT, DUAL DRIVES											
						C-SS-7412853-0-1		1	SILK SCREEN, DUAL DRIVE											

RE	C
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PARTS LIST

QTY	REF	DESIGNATION	DESCRIPTION	PART NO	ITEM
REF			X-Y COORDINATE HOLE LOCATION	K-50-M7726-0-4	1
REF			ASSY/DEILLING HOLE LAYOUT	D-44-M7726-0-5	2
REF			MODULE ECO HISTORY	B-MH-M7726-0-6	3
1			ETCHED CIRCUIT BOARD	5011390	4
1	J3		RECEP 36 PIN (REWORK)	B-40-SS09 07-1	5
13	J2, E3, E4, E5, E6, E7		I.C. SOCKET, 16 PIN	1211813-02	6
	E8, E13, E16, E15, E16, E17, E18		GOLD, LOW PROFILE		
1	A37		RES 10K 1/4W 5% CC	1300479-00	7
3	C 94, C96 - C102		CAP 6.8 μF 35V 10% STANT	1005306-00	8
93	C1 - C93		CAP .01 μF 50V AXIAL CER	1001610-00	9
1	C95		CAP 12 PF 100V 5%	1002087-00	10
3	D1 - D3		DIODE 1N4004	1105796-00	11
1	D4		DIODE 1N746A 3.3V 5%	1104860-00	12
1	E 39		RES 100 1/2W 5% C.C	1300228-00	13
8	J4		HEADER, 2 PIN (M/F)	1212204-00	14
8	E2, E4, E6, E8, E10		RES 470 1/4W 5% CC	1300316-00	15
	E12, E14, E16				
8	E27, E29, E31, E47, E52		RES 390 1/4W 5% CC	1300309-00	16
	E43, E41, E45				
5	E1, E49 - E51, R57		RES 3K 1/4W 5% CC	1300932-00	17
9	E26, E28, E30, R38		RES 100 1/4W 5% CC	1301322-00	18
	E42, E44, E46, E48, E53				
8	E3, E5, E7, E9, E11		RES 820 1/4W 5% CC	1301775-00	19
	E13, E15, E17				
1	R35		RES 300 1/4W 5% CC	1301425-00	20
8	E18 - E25		RES .2K 1/4W 5% CC	1302388-00	21
1	E34		RES 201 1/4W 1% MF	1302873-00	22
1	E36		RES 207 1/4W 1% MF	1305124-00	23
1	E40		RES 8.2K 1/4W 5% CC	1303179-00	24
3	E54 - E56		RES 1K 1/4W 5% CC	1300365-00	25
1	Q2		TRANS MXA805	1510705-00	26
1	Q1		TRANS MXA855	1510706-00	27
	E19, E20, E21, E29		I.C. 7474	1905547-00	28
5	E40				
3	E9, E57, E59		I.C. 7400	1905575-00	29
2	E93, E60		I.C. 7410	1905576-00	30
1	E75		I.C. 7450	1905580-00	31
1	E55		I.C. 74H20	1905635-00	32
1	E54		I.C. 7402	1909004-00	33
2	E68, E72		I.C. 74H00	1909056-00	34
2	E56, E70		I.C. 74H11	1909267-00	35
5	E50, E69, E70, E79, E82		I.C. 74H74	1909667-00	36
2	E64, E76		I.C. 7404	1909686-00	37
1	E39		I.C. 74154	1909701-00	38
2	E1, E2		I.C. 8801	1909705-00	39
1	E61		I.C. 74H04	1909931-00	40
2	E74, E92		I.C. 7486	1910011-00	41
4	E88, E89, E90, E91		I.C. 74193	1910018-00	42
2	E27, E37		I.C. 8266	1909934-00	43
1	E22		I.C. 7442	1910046-00	44
1	E65		I.C. 7437	1910091-00	45
1	E49		I.C. 74150	1910153-00	46
2	E11, E12		I.C. 7408	1910155-00	47
2	E47, E48		I.C. 7489	1910396-00	48
1	E50		I.C. 74H106	1910408-00	49
3	E80, E81, E87		I.C. 74H103	1910409-00	50
1	E42		I.C. 74123	1910436-00	51

PARTS LIST

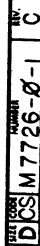
REF	DESIGNATION	DESCRIPTION	PART NO	ITEM
2	E45, E46	I.C. 74194	1910623-00	52
8	E23, E24, E25, E26	I.C. 7416	1910650-00	53
	E30, E31, E32, E36			
3	E84, E85, E86	I.C. 74174	1910652-00	54
1	E53	I.C. 7427	1910878-00	55
3	E28, E38, E44	I.C. 74175	1910651-00	56
2	E10, E66	I.C. 8640	1911069-00	57
1	E33	I.C. 2102	2111318-00	58
				59
6	E35, E39, E62, E63	SAME IC SPACES		60
	E73, E83			
1	E67	CRYSTAL OSCILLATOR 20MHZ	1811660-00	61
4	E41, E71, E93, E52	I.C. 74574	1910544-00	62
1	E51	I.C. 74H10	1909057-00	63
1	E77	I.C. 74H40	1905586-00	64
				65
NR		30 AWG SOLID WIRE (YEL)	9108740-55	66
1	J1	CONN 40 PIN RT ANG HDR	1209941-02	67
1	(J1)	LATCH, LEFT FOR RT ANG HDR	1209941-03	68
1	(J1)	LATCH, RIGHT FOR RT ANG HDR	1209941-04	69
1	E13	I.C. 256 X 4 ROM FLD0L	23111A2	70
1	E3	I.C. 256 X 4 ROM FLD0H	23112A2	71
1	E14	I.C. 256 X 4 ROM FLD1L	23113A2	72
1	E4	I.C. 256 X 4 ROM FLD1H	23114A2	73
1	E15	I.C. 256 X 4 ROM FLD2L	23115A2	74
1	E5	I.C. 256 X 4 ROM FLD2H	23116A2	75
1	E16	I.C. 256 X 4 ROM FLD3L	23117A2	76
1	E6	I.C. 256 X 4 ROM FLD3H	23118A2	77
1	E17	I.C. 256 X 4 ROM FLD4L	23119A2	78
1	E7	I.C. 256 X 4 ROM FLD4H	23120A2	79
1	E18	I.C. 256 X 4 ROM FLD 5L	23121A2	80
1	E8	I.C. 256 X 4 ROM FLD 5H	23122A2	81
1	R33	RES 150 1/4W 5% CC	1300250-00	82

SAME I.C. GATES			
TYPE	LOCATION	PINS	DESCRIPTION
74H04	E61	1,2	INVERTER
7404	E64	12,13	INVERTER
7404	E76	12,13	INVERTER
7408	E11	1,2,3, 8,9,10	2 INPUT AND
74H00	E72	1,2,3, 4,5, 8,9,10	2 INPUT NAND
7437	E65	8, 9,10	2 INPUT NAND BUFFER
8801	E2	8, 9,10	2 INPUT NAND G.C.
74H10	E51	3,4,5,6	3 INPUT NAND
74H40	E77	1,2,4,5,6	4 INPUT NAND BUFFER
7402	E84	4,5,6	2 INPUT NOR
8640	E66	2,6,7, 14,15, 3,4,5	2 INPUT NOR ACVR
7427	E53	1,2,12,13	3 INPUT NOR
7406	E92	7,56	2 INPUT NOR
7406	E74	1,2,3, 4,5,6	2 INPUT NOR
74574	E73	1,2,3,4,5,6	DTYPE FLIP FLOP
74H106	E80	1,2,3,4, 14,15,16	J K FLIP FLOP
74123	E42	1,2,3,4,13,14,15	ONE SHOT

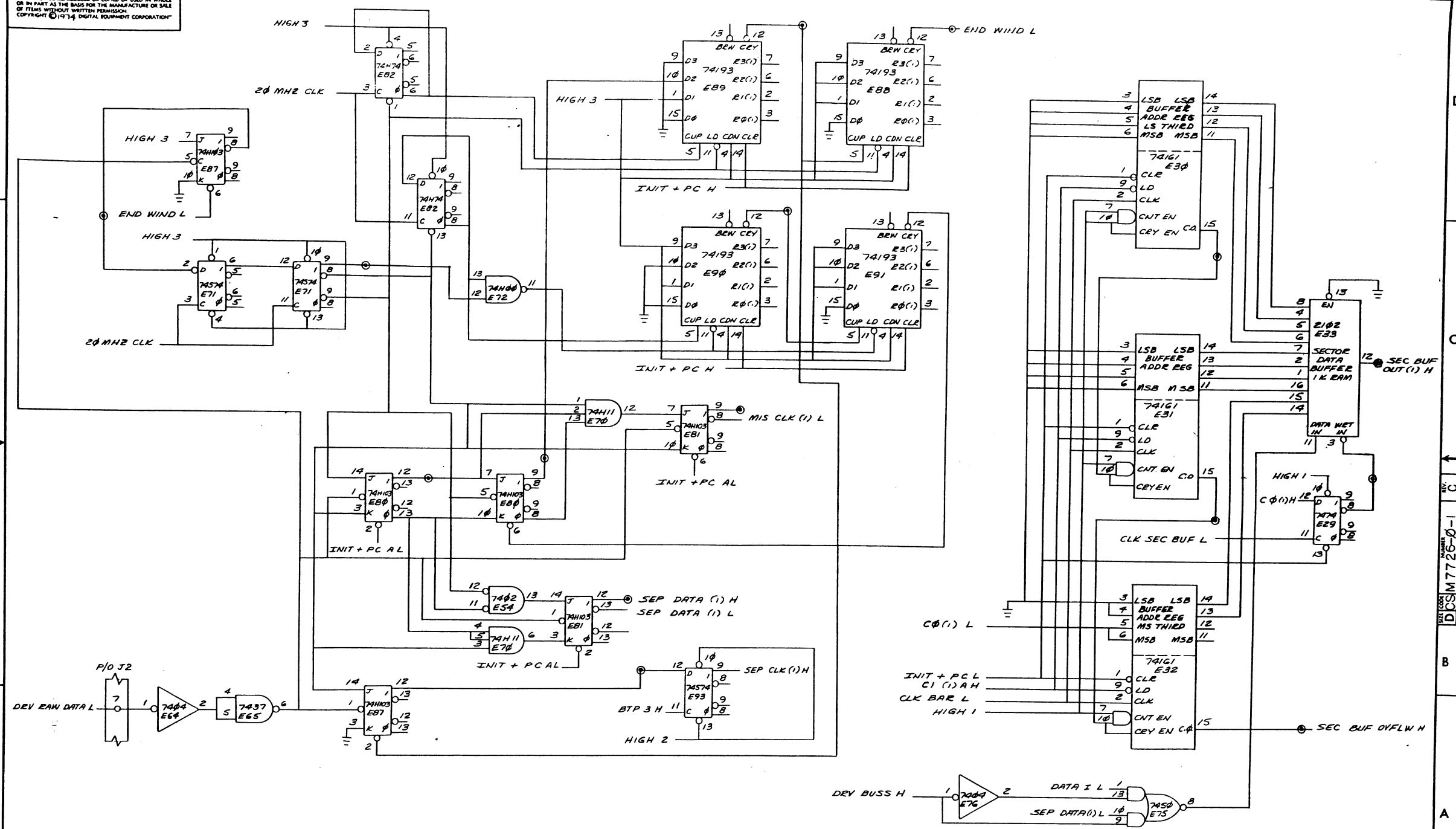
ALLOWABLE SUBSTITUTIONS				
PREFERRED			REPLACEMENT	
TYPE	ITEM #	P.N.	TYPE	P.N.
7409	48	1910396-00	3101A	1910653-00
7489	48	1910396-00	8225	1911162-00

REVISIONS		
CHK	CHANGE NO	REV.

TITLE		SIZE CODE	NUMBER	REV.
FLOPPY DISK CONTROLLER		DCS	M7726-0-1	C
SCALE		SHEET 2 OF 9	DIST.	



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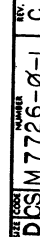


REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		FLOPPY DISK CONTROLLER (D4)	SIZE CODE		NUMBER	REV.	
SCALE		SHEET 4 OF 9	DIST.		DCS M7726-0-1	C	

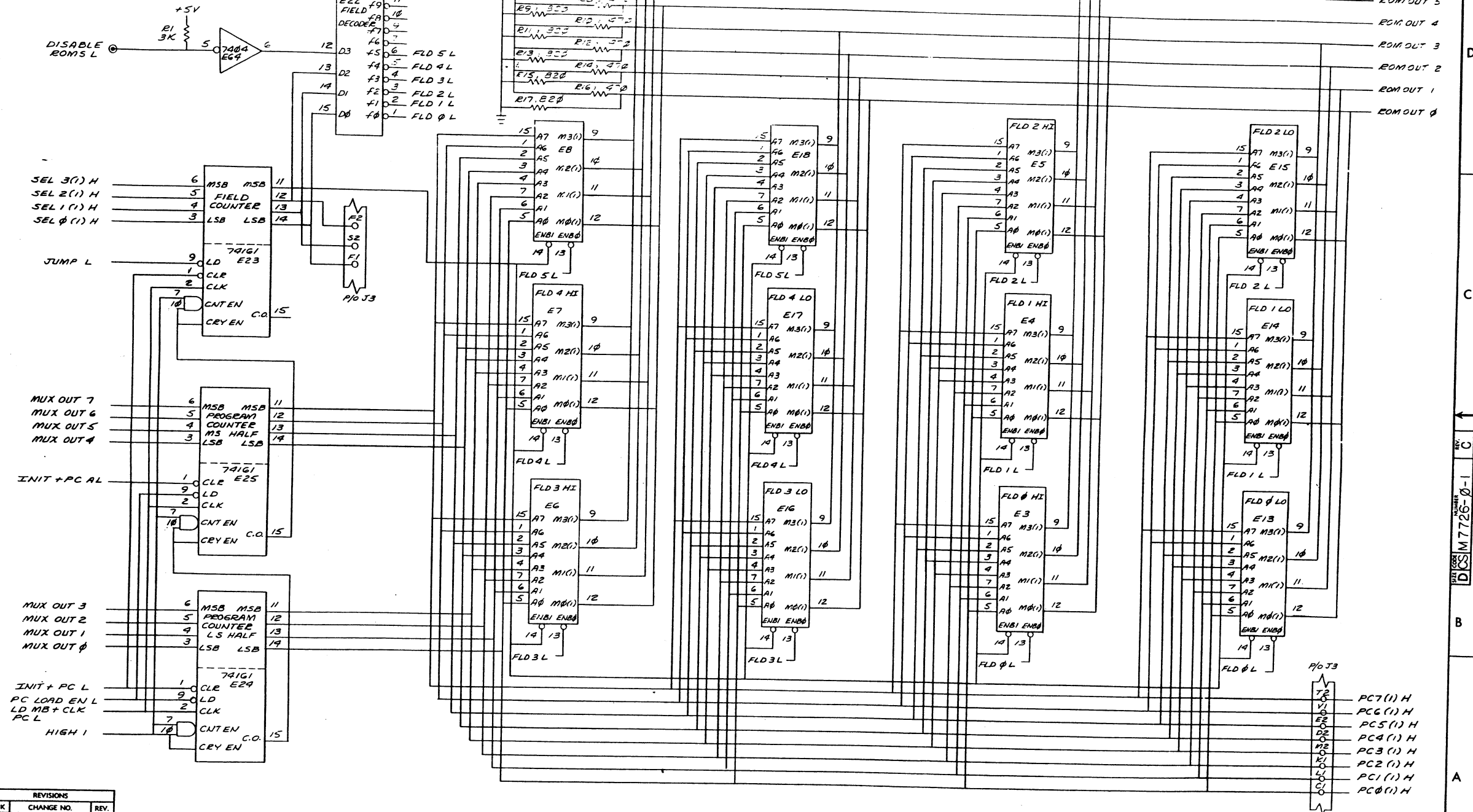
DCS M7726-0-1

DATE CODE	CS	NUMBER	1-0726-M	REV	C
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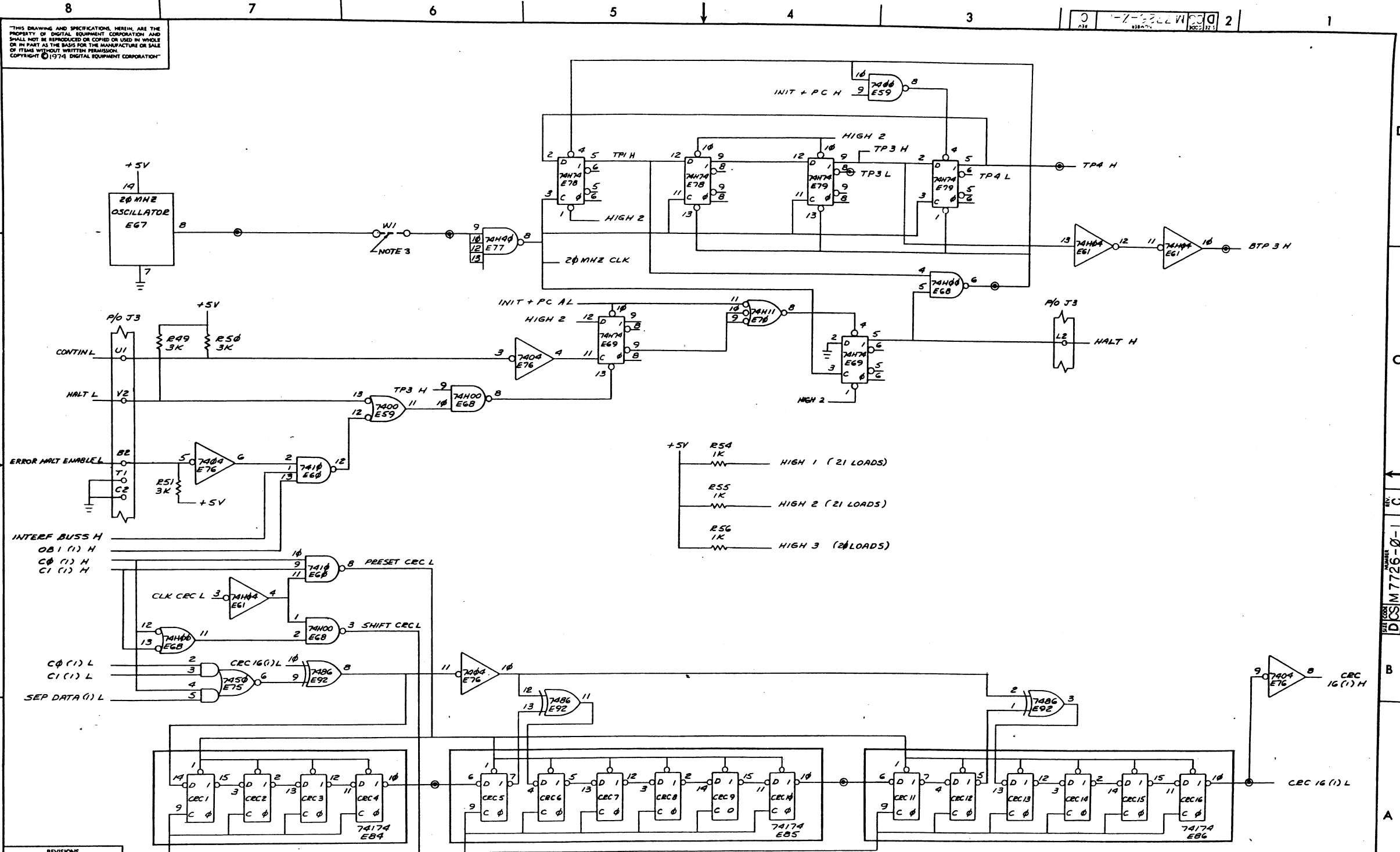


TITLE FLOPPY DISK CONTROLLER (D5)		SIZE CODE D CS	NUMBER M7726-0-1				REV. C
SCALE 1" = 1"	SHEET 5 OF 9	DIST.					

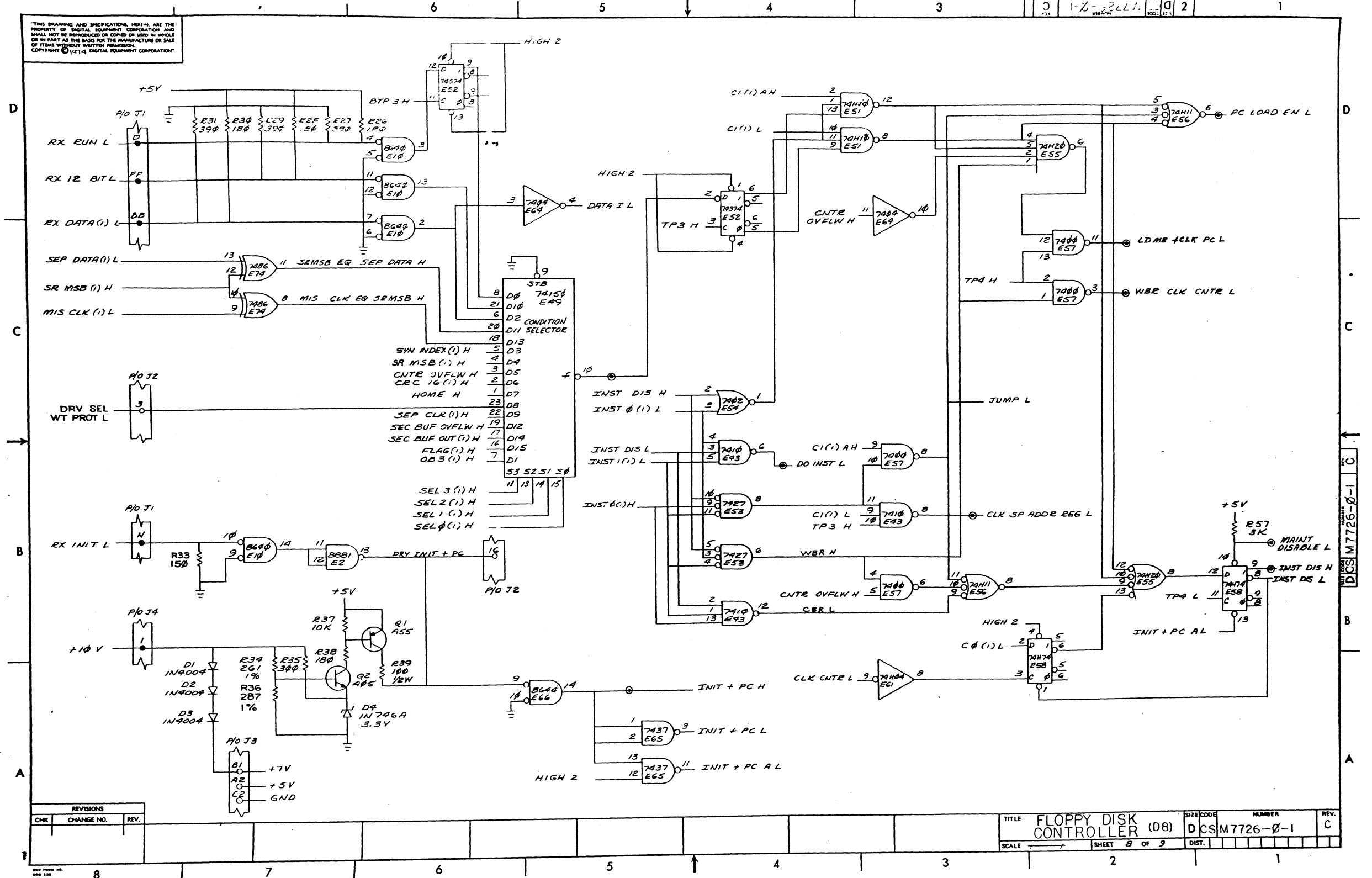
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REVISIONS		
CHK	CHANGE NO.	REV.



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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE		NUMBER		REV.
FLOPPY DISK CONTROLLER (08)		DCS		M7726-0-1		
SCALE $\frac{\quad}{\quad}$		SHEET 8 OF 9		DIST.		

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THIS LIST GIVES THE SOURCE AND DESTINATIONS OF SIGNAL NAMES WITHIN THE M7726 PRINT SET. SIGNAL NAMES THAT DO NOT APPEAR ON THIS LIST ARE PRESENT FOR INFORMATION ONLY. THEY DO NOT INDICATE CONNECTIONS TO OTHER POINTS IN THE PRINT SET.

INTERFACE REFERS TO SIGNALS ON THE INTERFACE BUSS
DRIVE REFERS TO SIGNALS ON THE DRIVE BUSS
POWER SUPPLY REFERS TO VOLTAGES FROM THE POWER SUPPLY
KN11 REFERS TO SIGNALS ON J3 THE MAINTENANCE CONNECTOR

SIGNAL NAME	ORIGIN	DESTINATION
BTP J H	D7-C1	D4-A5, D5-A6, D8-D6
CLK BAR L	D5-C7	D4-A3
CLK CNTR L	D5-B7	D3-B7, D8-A4
CLK CMC L	D5-C7	D7-B7
CHTR OVFLW H	D3-C5	D8-D4, D8-C6, D8-B4
CLK SRC BUF L	D5-C7	D4-B2
CLK SP ADDR REG L	D8-B3	D3-B4
CLK SR L	D5-B7	D3-B4
CONTIN L	KN11	D7-C7
CRC16 (1) H	D7-B1	D8-C6
CRC16 (1) L	D7-A1	D7-B7
C1 (1) AH	D3-A6	D4-B3, D5-B4, D8-D4, D8-C4
C1 (1) H	D3-A6	D3-C6, D3-B2, D7-B8
C1 (1) L	D3-A6	D5-D6, D7-B8, D8-D4, D8-B4
C2 (1) H	D3-A6	D3-C7, D3-A2, D4-B1, D5-B4, D7-B8
C2 (1) L	D3-A6	D3-B2, D4-B3, D7-B8, D8-B3
DATA 1 L	D8-D5	D4-A2
DISABLE ROWS L	TEST PAD	D6-D8
DO INST L	D8-B4	D5-B8
DRV BUSS H	D5-D4	D4-A4
DRV ERASE H	D5-B1	DRIVE
DRV OUT H	D5-C1	DRIVE
DRV LOAD HEAD H	D5-A1	DRIVE
DRV STEP L	D5-C1	DRIVE
DRV INIT + PC	D8-B6	DRIVE
DRV ABOVE TK 43 H	D5-B1	DRIVE
DRV RAW DATA L	DRIVE	D4-A8
DRV SEL DK I H	D5-B1	DRIVE
DRV SEL INDR H	DRIVE	D5-A1
DRV SEL TRF 0 H	DRIVE	D5-B1
DRV WT DATA	D5-B1	DRIVE
DRV WT GATE H	D5-C1	DRIVE
DRV SEL WT PROT L	DRIVE	D8-C8
END WIND L	D4-D3	D4-D8
ERROR HLT ENABLE L	KN11	D7-C7

FLAG (1) H	D5-B3	D8-B6
FLD 0 L	D6-D6	D6-A3, D6-A2
FLD 1 L	D6-D6	D6-B3, D6-B2
FLD 2 L	D6-D6	D6-C3, D6-C2
FLD 3 L	D6-D6	D6-A6, D6-A4
FLD 4 L	D6-D6	D6-B6, D6-B4
FLD 5 L	D6-D6	D6-C6, D6-C4
HALT H	D7-C3	KN11
HALT L	KN11	D7-C7
HIGH 1	D7-C4	D3-D6, D3-D4, D3-C6, D3-C4, D4-A3
HIGH 2	D7-B4	D4-B1, D5-D5, D6-A8
HIGH 3	D7-B4	D4-A5, D5-B7, D5-A7, D5-B4, D7-D5
HOME H	D5-B2	D7-D4, D7-C4, D7-C5, D8-D5, D8-B3
INIT + PC A L	D8-A4	D8-A5
INIT + PC H	D8-A4	D4-D8, D4-C8, D4-D7, D4-D5, D8-C6
INIT + PC L	D8-A4	D3-C6, D3-B4, D3-A4, D3-A7, D4-B6
INST 0 (1) H	D3-B6	D4-B5, D6-B8, D7-C5, D8-B2
INST 0 (1) L	D3-B6	D4-D5, D4-C5, D7-D4
INST 1 (1) H	D3-B6	D4-B3, D5-B5, D6-A8
INST 1 (1) L	D3-B6	KN11, D8-B5
INST DIS H	D8-B1	D8-C5
INST DIS L	D8-B1	D8-C5
INTERF BUSS H	D5-D4	D8-B5
JUMP L	D8-C3	D7-B8
LD MR + CLK PC L	D8-C1	D8-C8
LD SCRATCH PAD L	D8-H6	D8-AH, D3-A8
MAINT DIS L	TEST PAD	D3-B1
MIS CLK (1) L	D4-C4	D8-C8
MUX OUT 0	D3-C7	D6-A8
MUX OUT 1	D3-C7	D6-A8
MUX OUT 2	D3-C7	D6-A8
MUX OUT 3	D3-C7	D6-B8
MUX OUT 4	D3-C7	D6-B8
MUX OUT 5	D3-D7	D6-B8
MUX OUT 6	D3-D7	D6-B8
MUX OUT 7	D3-D7	D6-B8

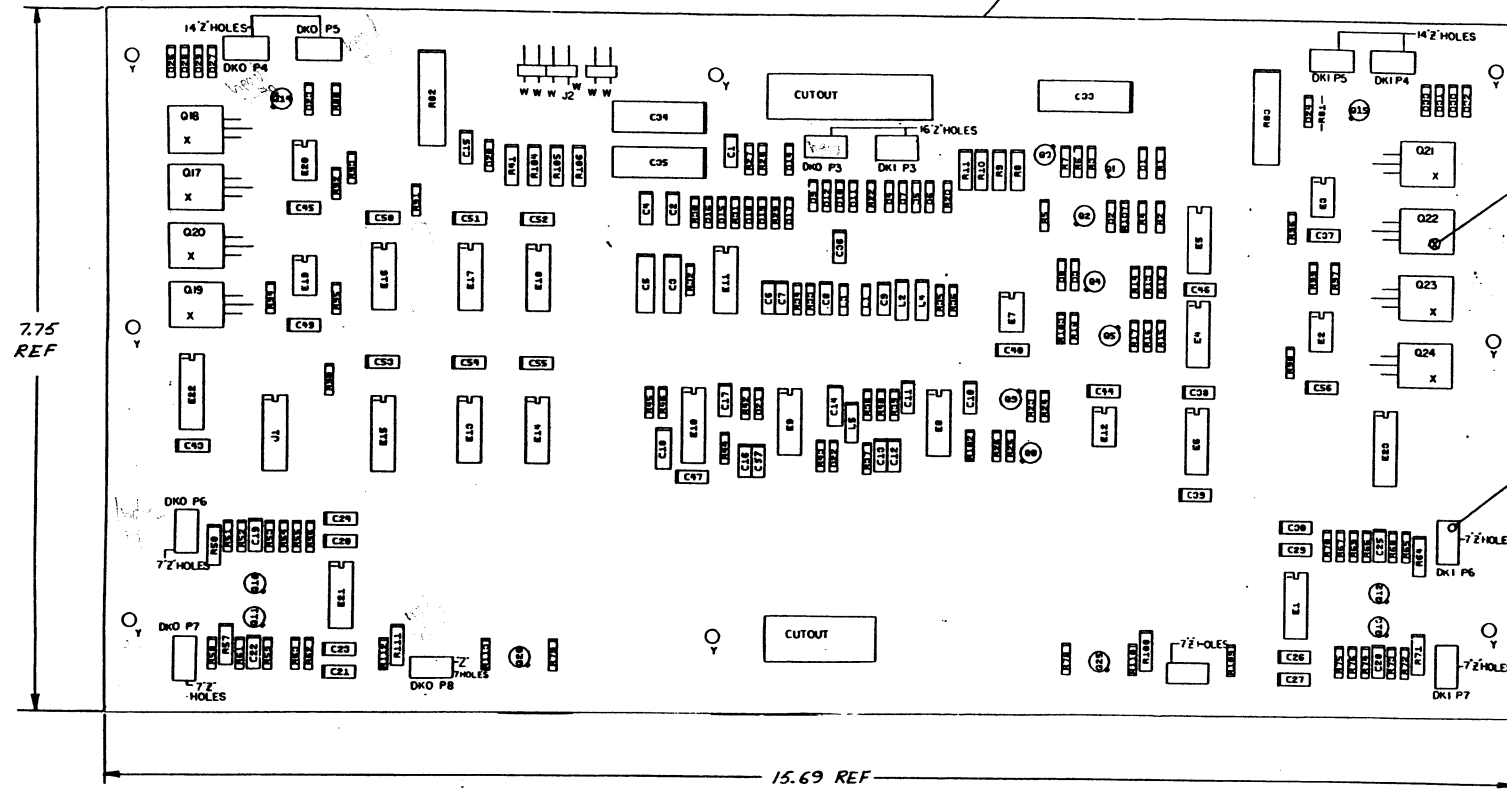
DB1 (1) H	D5-D4	D7-B8
DB3 (1) H	D5-C4	D8-B6
PC 0 (1) H	D6-A1	KN11
PC 1 (1) H	D6-A1	KN11
PC 2 (1) H	D6-A1	KN11
PC 3 (1) H	D6-A1	KN11
PC 4 (1) H	D6-A1	KN11
PC 5 (1) H	D6-A1	KN11
PC 6 (1) H	D6-A1	KN11
PC 7 (1) H	D6-A1	KN11
PC LOAD EN L	D8-D1	D8-A8
RDW OUT 0	D6-D1	D3-C8
RDW OUT 1	D6-D1	D3-C8
RDW OUT 2	D6-D1	D3-C8
RDW OUT 3	D6-D1	D3-C8
RDW OUT 4	D6-D1	D3-C8
RDW OUT 5	D6-D1	D3-D8
RDW OUT 6	D6-D1	D3-D8
RDW OUT 7	D6-D1	D3-D8
RX DATA (1) L	D5-C1, INTERFACE	INTERFACE, D8-D8
RX DONE L	D5-D1	INTERFACE
RX ERROR L	D5-D1	INTERFACE
RX INIT L	INTERFACE	INTERFACE
RX OUT L	D5-D1	INTERFACE
RX RUN L	INTERFACE	D8-D8
RX SHIFT L	D5-C1	INTERFACE
RX TRANSFER REQUEST	D5-D1	INTERFACE
RX 12 HIT L	INTERFACE	D8-D8
SXC BUF OVFLW H	D4-A1	D8-C6
SXC BUF OUT (1) H	D4-C1	D5-C4, D8-B6
SXC BUF H	D5-H4	D5-C4
SFL 0 (1) H	D3-A6	D5-C8, D6-C8, D8-B6, KN11
SFL 1 (1) H	D3-A6	D5-C8, D6-C8, D8-B6, KN11
SFL 2 (1) H	D3-B6	D5-C8, D6-C8, D8-B6, KN11
SFL 3 (1) H	D3-B6	D5-C8, D6-C8, D8-B6, KN11
SEP CLK (1) H	D4-B4	D8-C6
SEP DATA (1) H	D4-B5	D3-A2
SEP DATA (1) L	D4-B5	D4-A2, D7-A8, D8-C8
SR H	D5-B4	D5-C4
SR LOAD H	D3-B1	D3-C4
SR RES (1) H	D3-D3	D5-C4, D8-C8, D8-C6
SVH INDEX (1) H	D5-A5	D8-C6

TP3 H	D7-D3	D7-C6, D8-B4, D8-C5
TP3 L	D7-D3	D5-B8
TP4 H	D7-D2	D8-C3
TP4 L	D7-D3	D8-B2
WBR CLK CNTR L	D8-C2	D3-B7
20 MHZ CLK	D7-C5	D4-C8, D4-D7
GND	POWER SUPPLY	D1-A4
+5V	POWER SUPPLY	D1-A4, D8-A7
+7V	KN11	D8-B8
+10V	POWER SUPPLY	D8-B8

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE FLOPPY DISK CONTROLLER		SIZE CODE DCS	NUMBER M7726-0-1	REV. C
SCALE	SHEET 9 OF 9	DIST.		

1. UNLESS OTHERWISE SPECIFIED:
A ALL RESISTORS ARE 1/4W. $\pm 5\%$



7473	11	4
75451	4	8
74157	6	16
75952	4	8
74123	8	16
IC TYPE	GND	+5V
GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE		
IC PIN LOCATIONS		

[illegible]

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PARTS LIST

REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM
		X-Y COORDINATE HOLE LOCATION	K-CO-M7727-0-4	1
		ASSY/ DRILL HOLE LAYOUT	D-AM-M7727-0-5	2
		MODULE ECO HISTORY	B-MM-M7727-0-6	3
1		ETCHED CIRCUIT BOARD	D-1A-5011370-00	4
2	C17, C18	CAP 100 pf	1000016-00	5
1	C9	CAP 180 pf	1000020-00	6
2	C8, C14	CAP 220 pf	1000021-00	7
32	C1, C2, C4, C10, C11, C15 C16, C20, C21, C23, C24 C26, C27, C29, C30, C37, C38, C39, C40, C43 C44, C45, C46, C47 C49 - C57	CAP .01 μf	1001610-00	8
2	C3, C5	CAP 6.8 μf 35V	1005306-00	9
2	C34, C35	CAP 190 μf	1009433-00	10
1	C33	CAP 50 μf	1000080-00	11
4	C7, C6, C12, C13	CAP .047 μf	1010978-32	12
5	C19, C25, C22, C28, C36	CAP .005 μf	1001765-00	13
10	D4, D7, D9, D12, D14 D15, D6, D17, D18, D19	DIODE D671	1103309-00	14
8	D3, D5, D6 D8 D10 D11, D21, D22	DIODE D672	1105275-00	15
10	D23, D24, D26, D27 D28, D29, D30, D31 D32, D33	DIODE 1N4004	1105796-00	16
1	D20	DIODE 1N4742 12V	1109502-00	17
2	D1, D2	DIODE 5.1V	110713-00	18
9	E90, E92 - E99	RES 150 1/4W 5%	1300250-00	19
	E41, E104, E105, E106	RES 680 1/2W 5%	1300347-00	20
2	E6, E14, E17, E23, E24, E26, E46 E78, E79, E80, E81 E91,	RES 1K 1/4W 5%	1300365-00	21
4	E8 - E11	RES 1.2K 1/2W 5%	1300385-00	22
6	E30, E57, E64, E71, E108, E111	RES 68 1/2W 5%	1309405-00	23
7	E13, E16, E53, E62 E68, E75, R102	RES 1.5K 1/4W 5%	1300391-00	24
4	E35, E36, E39, E40	RES 511 1/8W 1%	1302411-00	25
1	E5	RES 2.74K 1/8W 1%	1304868-00	26
11	E2, E4, E7, E12, E15 E18, E103, E25, E27 E42, E43	RES 3.3K 1/4W 5%	1300439-00	27
6	E1, E20, E22, E44 E45, E107	RES 10K 1/4W 5%	1300479-00	28
11	E3, E37, E38, E52 E58, E63, E66, E72 E76, E109, E112	RES 1.21K 1/8W 1%	1302871-00	29
1	E32	RES 196 1/8W 1%	1302956-00	30
2	E33, E34	RES 464 1/8W 1%	1303047-00	31
2	E28, E29	RES 34.8K 1/8W 1%	1303156-00	32
4	E51, E61, E65, E73	RES 10K 1/8W 1%	1303312-00	33
2	E82, E83	RES 100 5W 5%	1309094-00	34
2	E30, E31	RES 19.6K 1/8W 1%	1309419-00	35
6	E55, E59, E67, E74 E110, R113	RES 4.64K 1/4W 1%	1304856-00	36

PARTS LIST

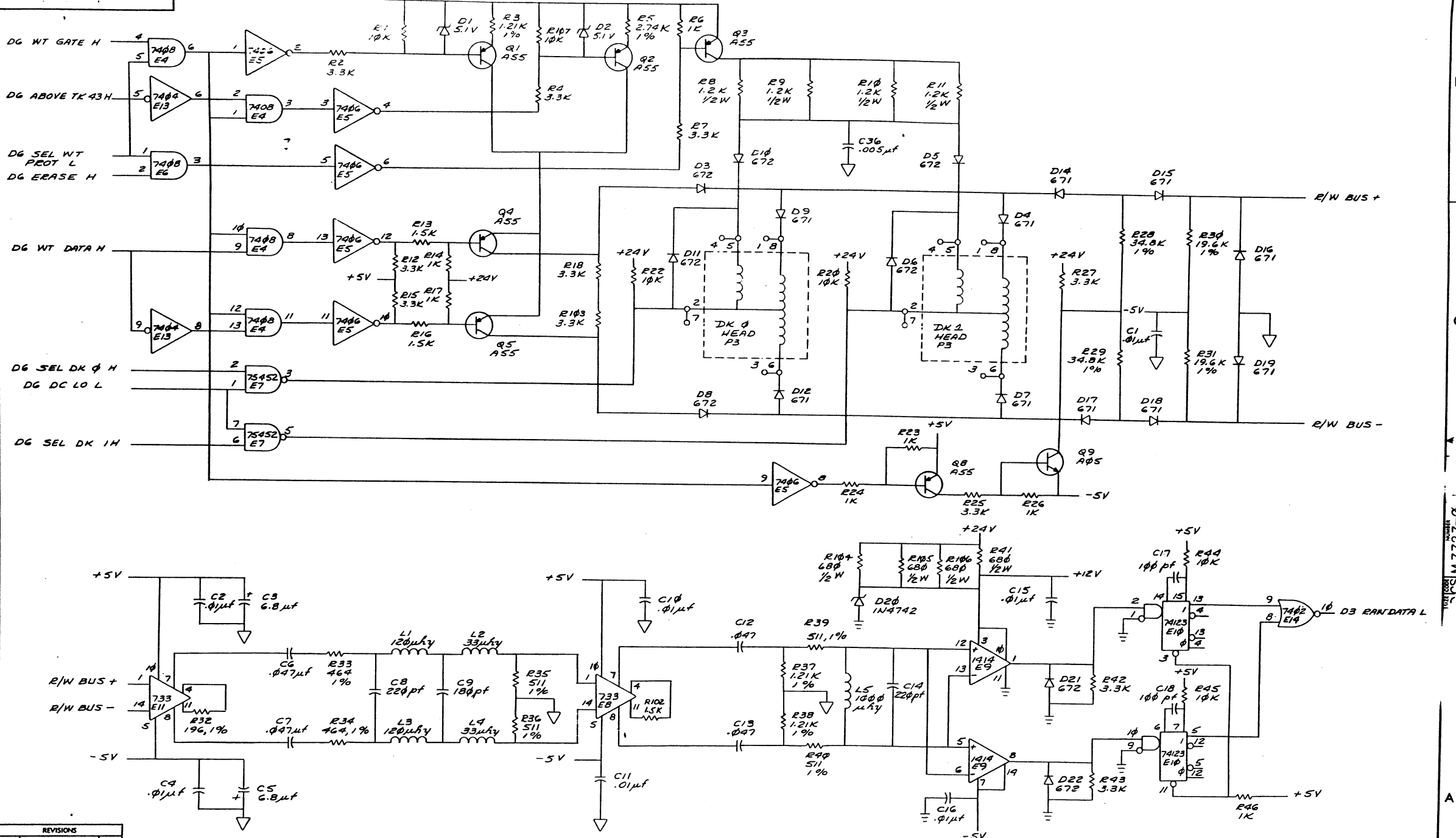
REF	DESIGNATION	DESCRIPTION	PART NO.	ITEM
1	L5	CHOKE 1000 MHY	1602723-00	37
2	L2, L4	CHOKE 33 MHY	1601759-00	38
2	L1, L3	CHOKE 120 MHY	1610663-00	39
1	E17	I.C. 7450	1905580-00	40
2	E16, E18	I.C. 7473	1905587-00	41
1	E14	I.C. 7402	1909004-00	42
1	E13	I.C. 7404	1905686-00	43
2	E4, E6	I.C. 7409	1910555-00	44
3	E1, E9, E21	I.C. 1414	1910337-00	45
5	E2, E3, E12, E19, E20	I.C. 75451	1910406-00	46
1	E10	I.C. 74123	1910436-00	47
2	E8, E11	I.C. 72733	1910644-00	48
1	E15	I.C. 74157	1910655-00	49
1	E5	I.C. 7406	1910741-00	50
1	J1	I.C. SOCKET 16 PIN	1211813-02	51
9	Q9 THRU Q15, Q25 Q26	TRANS MXA805	1510705-00	52
6	Q1 - Q5, Q8	TRANS MXA855	1510706-00	53
8	Q17 - Q24	TRANS D44CB	1510421-00	54
84	Z HOLES	STAKED PIN	9009149-00	55
3	J2	CONN 2 POS	1212204-00	56
8	"X" HOLES	SCREW, PAN HD 4/40 X 1/4	9008901-01	57
8	"X" HOLES	NUT, KEP 4/40 X 1/4 X 3/32	9006557-00	58
1	E7	I.C. 75452	1910645-00	59
4	R54, R56, R69, R70	RES 14.7K 1/4W 1%	1302941-00	60

REVISIONS

K	CHANGE NO	REV
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TITLE	READ/WRITE CONTROL	SIZE CODE	NUMBER	REV.
SCALE	1	D	CSM7727-0-1	A
SHEET	2	OF	6	
DIST.				

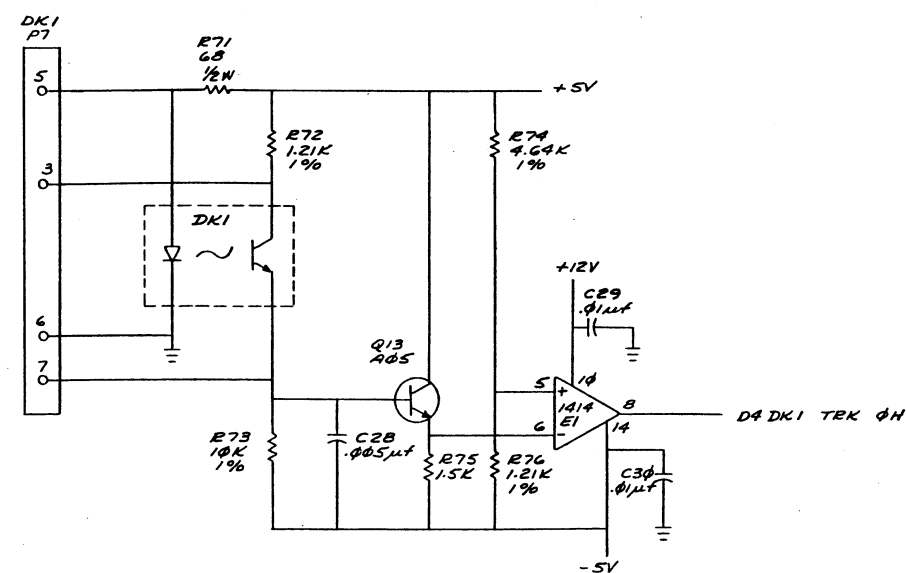
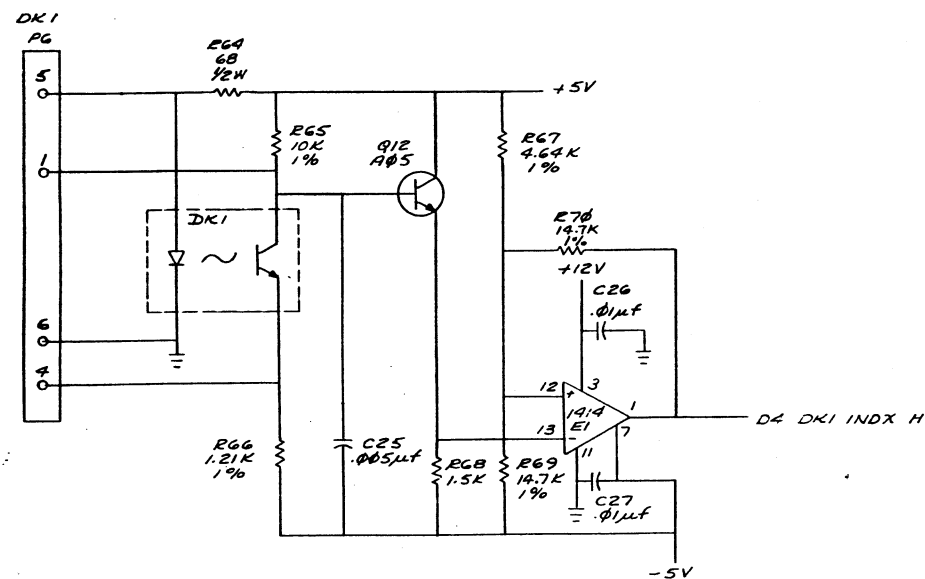
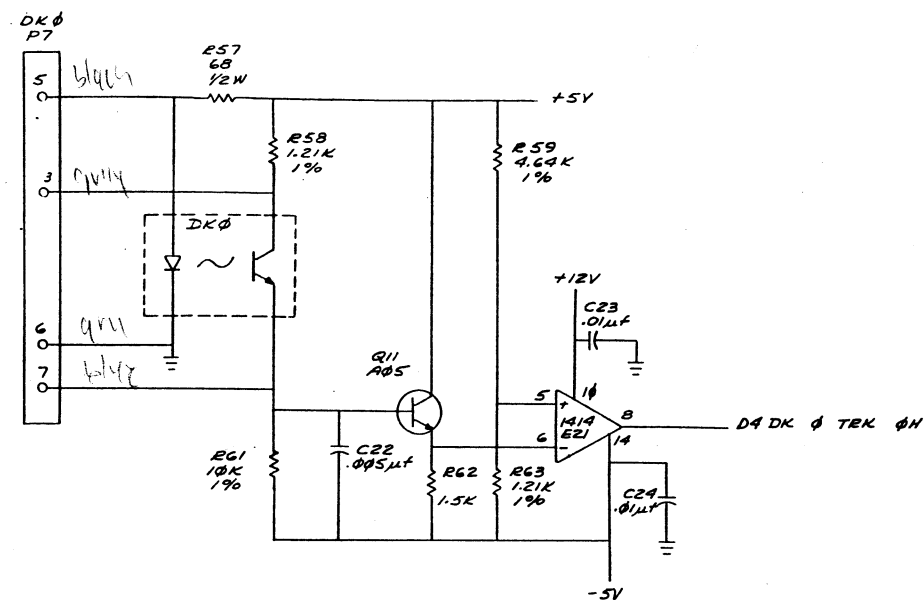
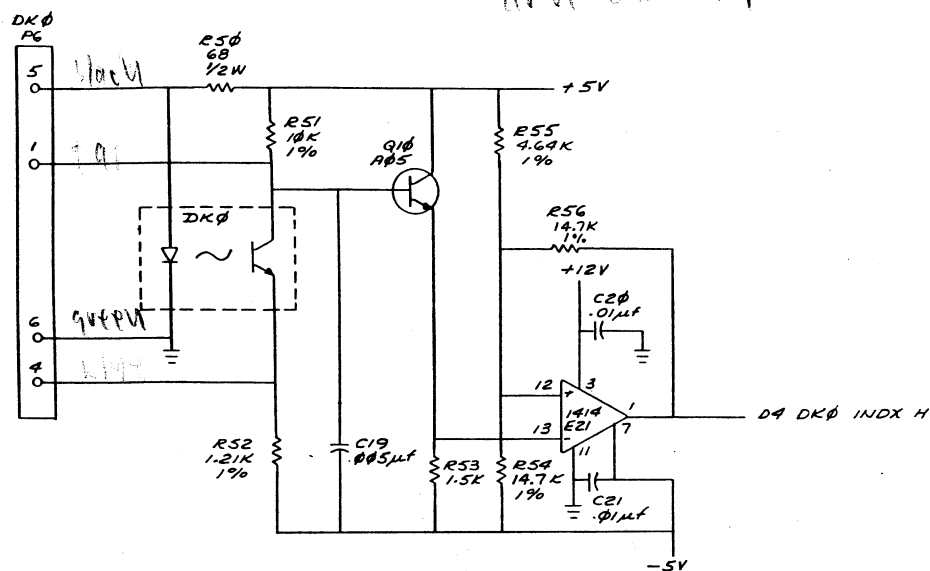
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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
READ / WRITE CONTROL (D3)		DCS	M7727-0-1	A
SCALE		SHEET	3 OF 6	DIST.

note: opto isolators are on drive channels, not pch

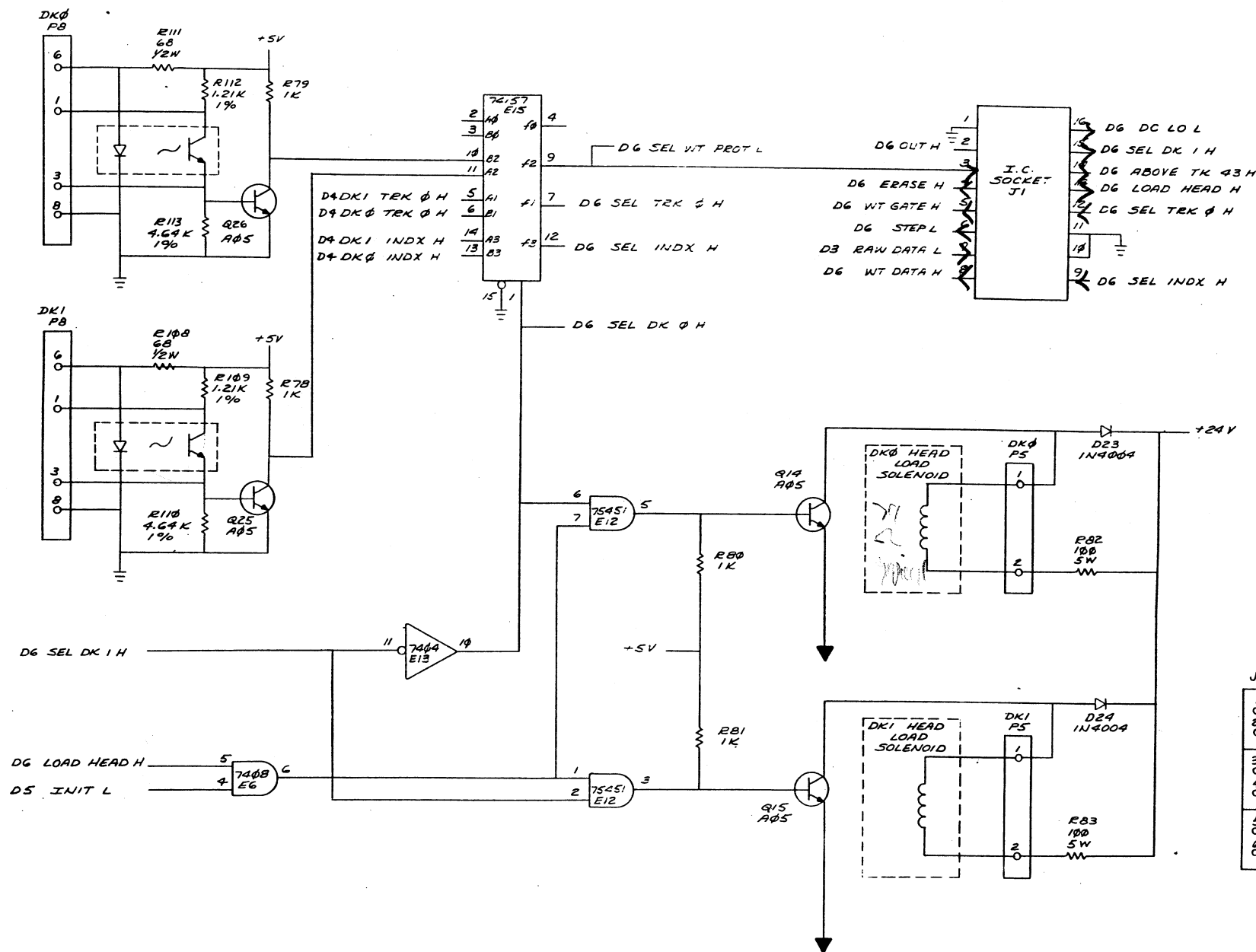


REV.	CHANGE NO.	CHK.

TITLE	READ / WRITE CONTROL (D4)	SIZE CODE	NUMBER	REV.
SCALE	SHEET 4 OF 6	DIST.	DCS M7727-0-1	A

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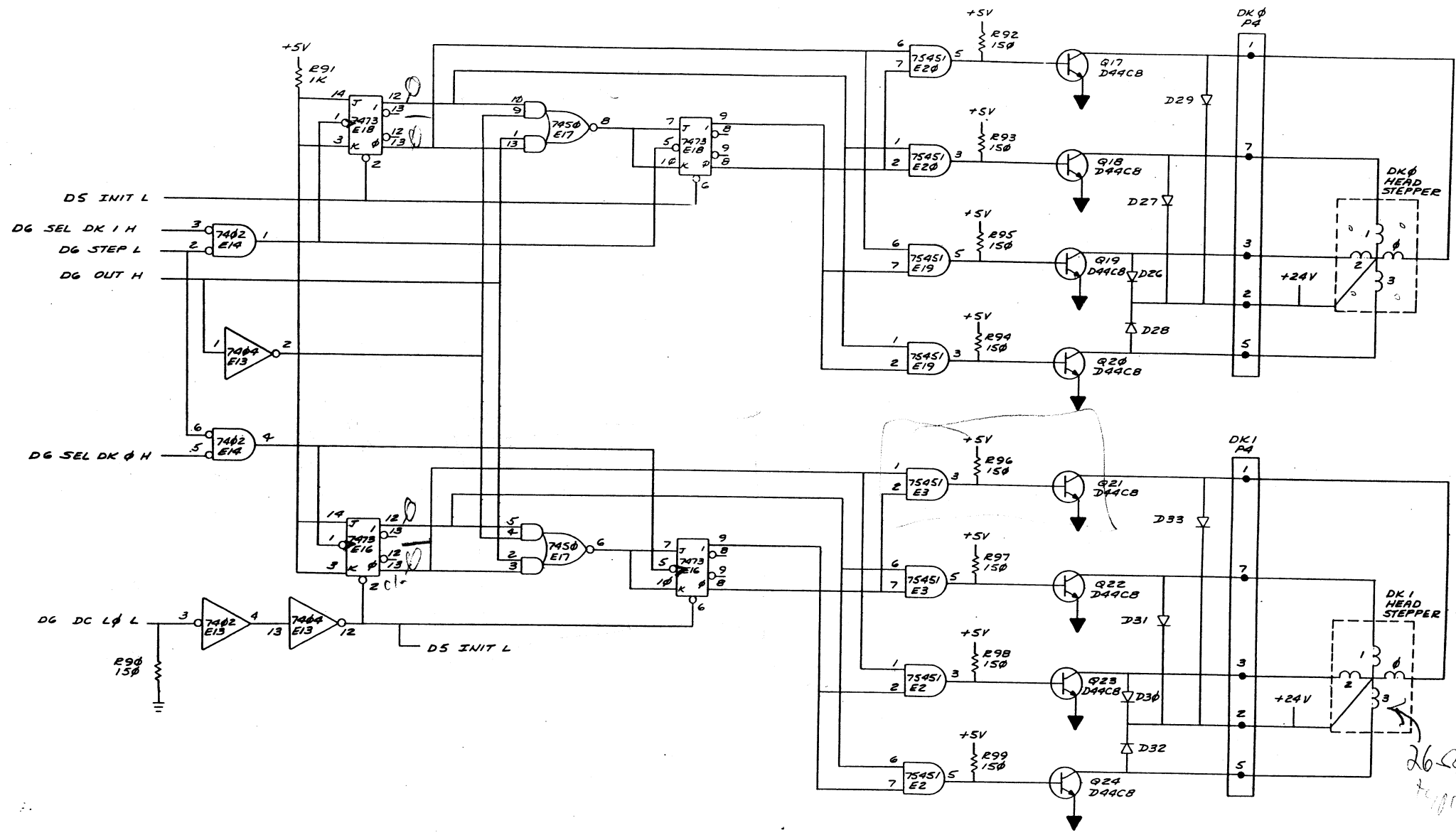
1-7-7727-0-1



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		READ / WRITE CONTROL (D6)	SIZE CODE	D	CS	NUMBER	M7727-0-1	REV.	A
SCALE		+	SHEET		6	OF		6	DIST.

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REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
READ / WRITE CONTROL (D5)		DCS	M7727-0-1	A
SCALE		SHEET 5 OF 6		

DRAWING DIRECTORY

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CUSTOMER PRINT SET INDEX

THIS IS PRINT SET

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SEQUENCE

SEQUENCE

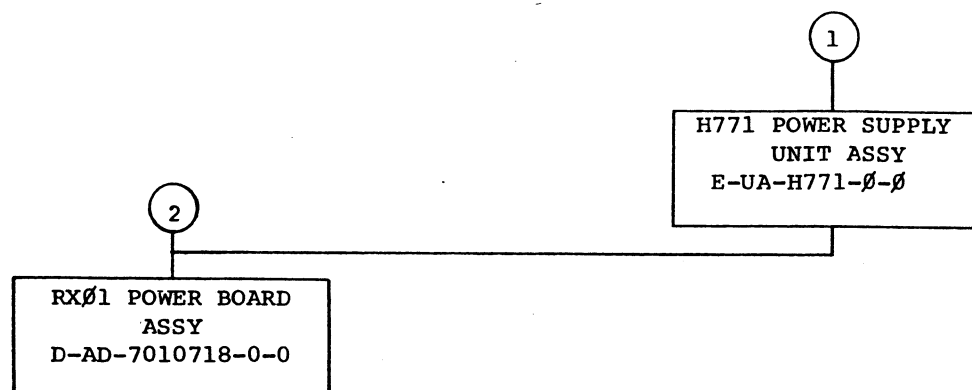
H771 POWER SUPPLY
H771-A CIRCUIT SCHEMATIC
H771-C CIRCUIT SCHEMATIC
H771-D CIRCUIT SCHEMATIC
RX01 POWER BOARD ASSY
RX01 POWER SUPPLY BOARD

B-DD-H771-Ø
D-CS-H771-A-1
D-CS-H771-C-1
D-CS-H771-D-1
D-AD-7010718-0-0
D-CS-5411398-0-1

[illegible]

REVISIONS		CHG. NO.	REV
DATE	7-75	H771-1	A

USED ON OPTION/MODEL		DRN. W. McCarthy	DATE 2/3/75	TITLE H771 POWER SUPPLY			
RXØ1		CHK'D. W.F.M. McCarthy	DATE 6/13/75				
		PROJ ENG C. L. A. Jones	DATE 6/13/75				
		PROD. S. D. Miller	DATE 6/13/75	SIZE B	CODE DD	NUMBER H771-Ø	REV A
		FIELD SERV. D. A. Jones	DATE 6/13/75				
SHEET 1 OF 2							

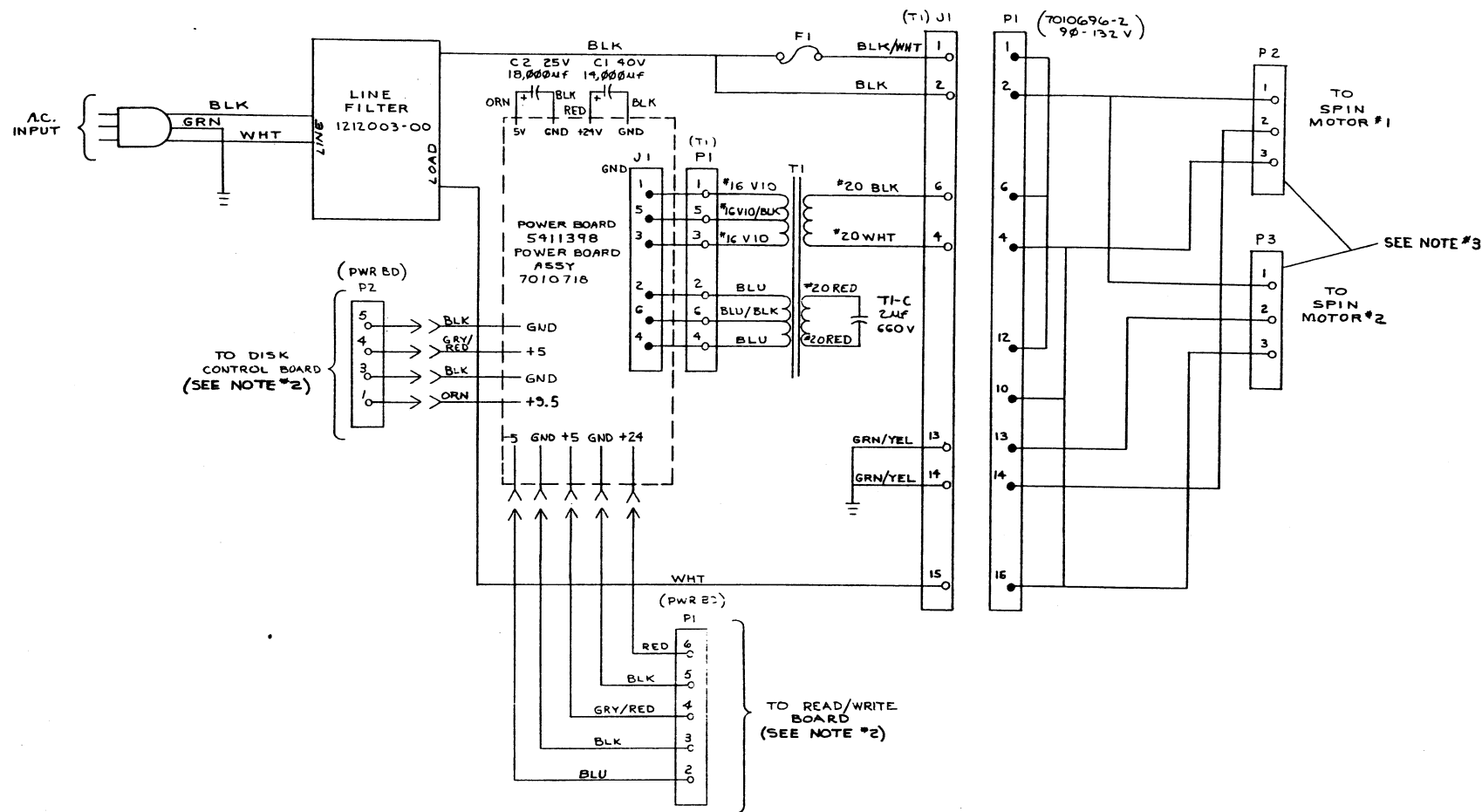


TITLE	SHEET 2 OF 3	SIZE	CODE	NUMBER	REV
H771 POWER SUPPLY	B	DD	H771-Ø	A	

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NOTES:

1. ALL WIRE TO BE #18 AWG UNLESS OTHERWISE SPECIFIED.
2. SLOT BETWEEN P1-4 + P1-5 CONTAINS A DUMMY PIN. SLOT BETWEEN P2-4 + P2-5 ALSO CONTAINS A DUMMY PIN.
3. NO DOUBLE CRIMPS ARE ALLOWED IN MOLEX CONNECTOR(S) TO MOTOR(S).



DRN: D.E. O'Brien	1/22/75	FIRST USED ON	Rx01
CHK'D: W.F. O'Brien	3/10/75	TITLE	H771-A POWER CONNECTIONS
ENG: D.W. O'Brien	3-10-75	NUMBER	H771-A-1
PROJ. ENG: W.F. O'Brien	3-10-75	REV.	A
PROD: W.F. O'Brien	3-10-75	SCALE	NONE
NEXT HIGHER ASSY:		SIZE	D
B-DD-H771-0		CODE	CS
SHEET 1 OF 1		DIST.	

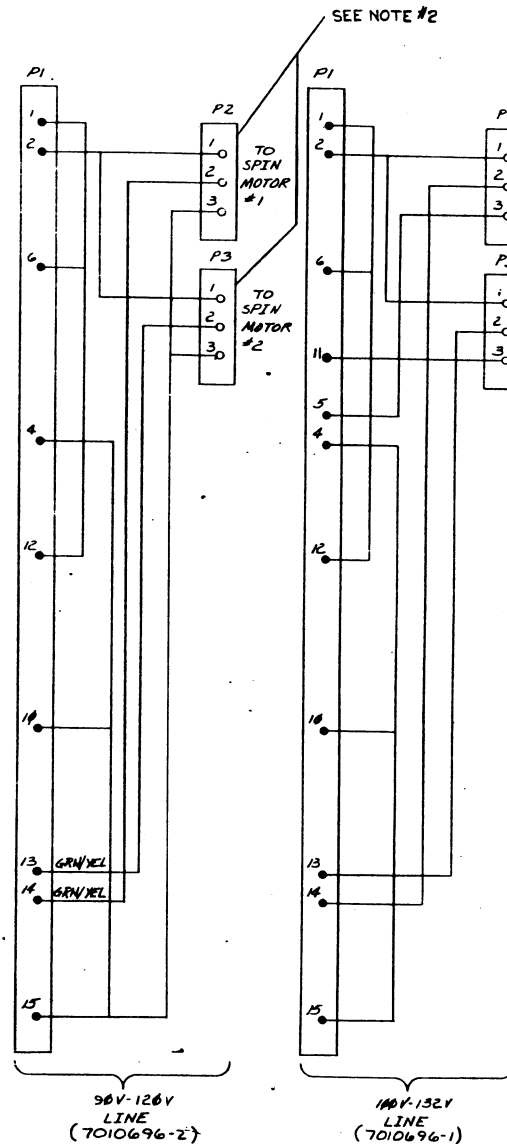
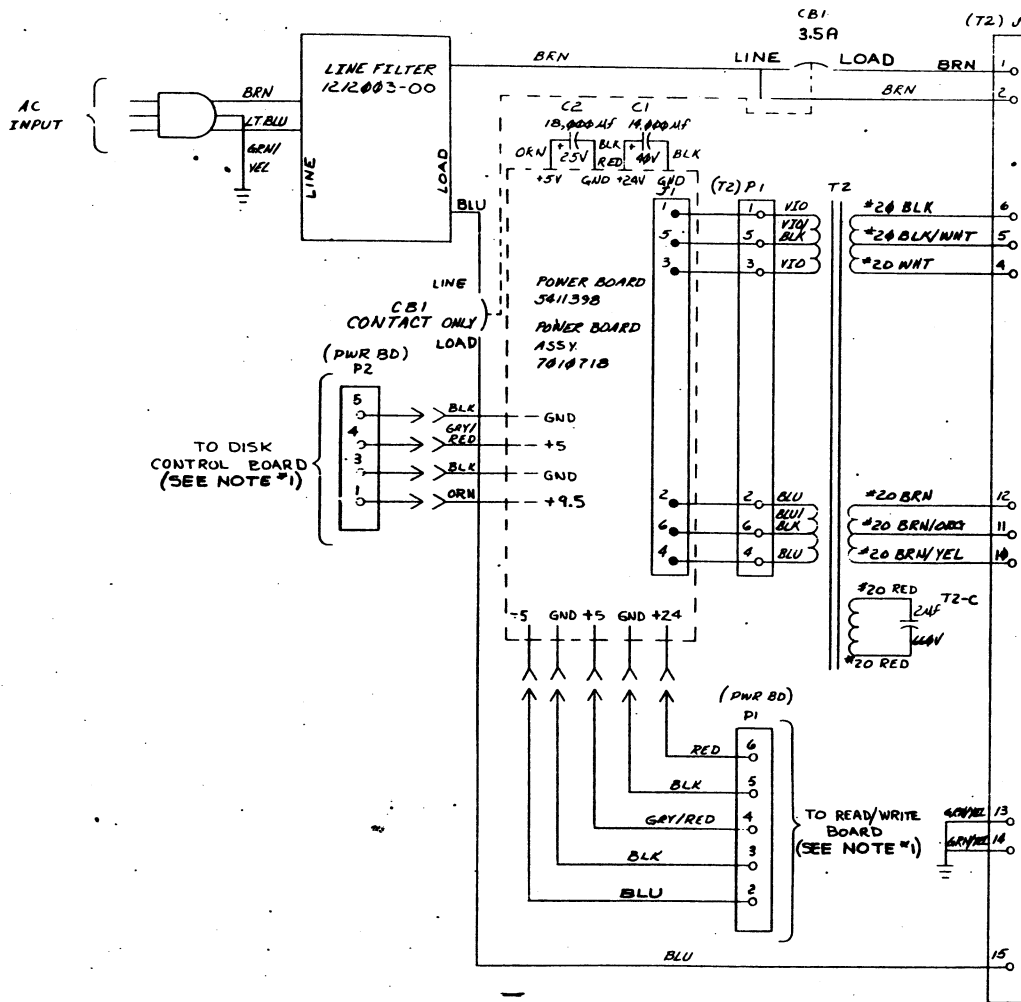
REV.	CHANGE NO.	DATE
1	1	1/22/75
2	2	3/10/75
3	3	3-10-75
4	4	3-10-75

CHK: B. HAZEN
1/22/75

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NOTES:

1. SLOT BETWEEN PI-4 AND PI-5 CONTAINS A DUMMY PIN. SLOT BETWEEN P2-4 AND P2-5 ALSO CONTAINS A DUMMY PIN.
2. NO DOUBLE CRIMPS ALLOWED IN MOLEX CONNECTOR(S) TO MOTOR(S).
3. ALL WIRES TO BE #18 AWG UNLESS OTHERWISE SPECIFIED.



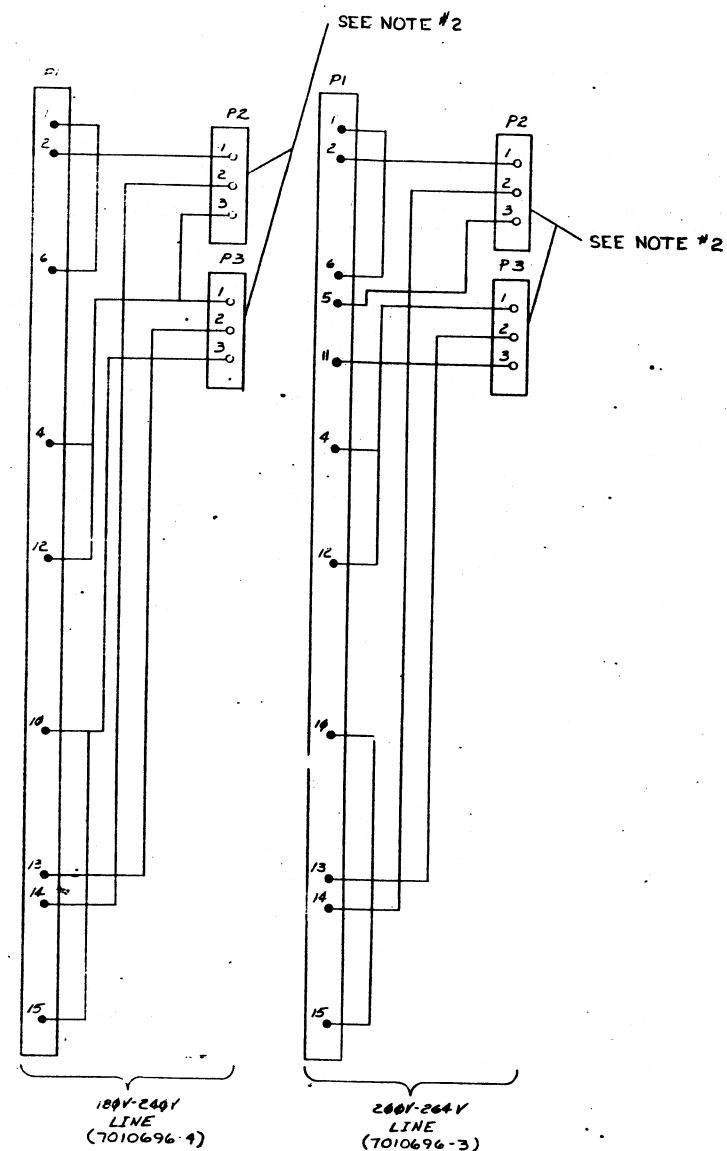
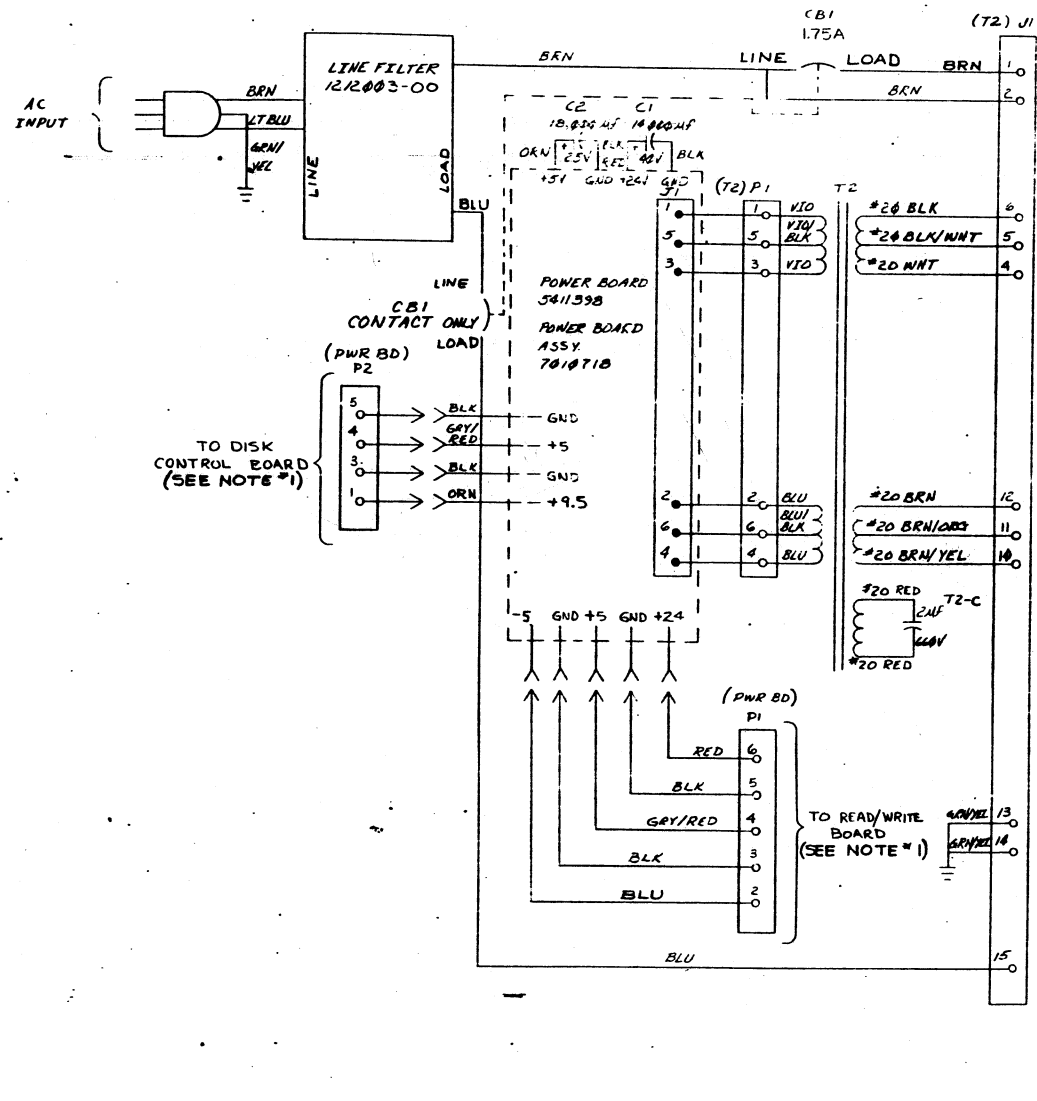
REV.	DATE	BY	CHKD.	APP'D.
1	7-17-75	WJL	WJL	WJL
2	8-5-75	WJL	WJL	WJL
3	8-12-75	WJL	WJL	WJL
4	8-12-75	WJL	WJL	WJL
5	8-12-75	WJL	WJL	WJL
6	8-12-75	WJL	WJL	WJL
7	8-12-75	WJL	WJL	WJL
8	8-12-75	WJL	WJL	WJL
9	8-12-75	WJL	WJL	WJL
10	8-12-75	WJL	WJL	WJL

DRN. 2/1/75	7-30-75	FILED IN	RX01
CHKD. 6/2/75	8-5-75	TITLE	H771-C POWER CONNECTIONS
ENG'D. 6/2/75	8-12-75	PROD. 6/2/75	8-12-75
PROD. 6/2/75	8-12-75	NEXT HIGHER ASSY.	B-DD-H771-C
SCALE	1 OF 1	SHEET	1 OF 1
DATE	8-12-75	DIST.	

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1-B-122H 500 2

- NOTES:
1. SLOT BETWEEN PI-4 AND PI-5 CONTAINS A DUMMY PIN. -01 BETWEEN P2-4 AND P2-5 ALSO CONTAINS A DUMMY PIN.
 2. NO DOUBLE CRIMPS ALLOWED IN MOLEX CONNECTOR(S) TO MOTOR(S).
 3. ALL WIRES TO BE #18AWG UNLESS OTHERWISE SPECIFIED.



REV.	DATE	BY	CHKD.
1	7-77	10001	
2			
3			
4			
5			
6			
7			
8			

DRN. 8/1/77	7-30-77	FIRST LISTS ON	20-00000
CHK'D. 8/1/77	8-5-77	RX01	
ENG. 8/1/77	8-5-77	TITLE	
PROD. 8/1/77	8-5-77	H771-D POWER	
PROD. 8/1/77	8-5-77	CONNECTIONS	
NEXT HIGHER ASSY.			
B-00-H771-D			
SCALE			
SHEET	1 OF 1		

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P4
SOLDER TO
COMPONENT SIDE
OF BOARD

SOLDER TO COMPONENT
SIDE OF BOARD

P6
SOLDER TO COMPONENT
SIDE OF BOARD

PWR BD
(COMPONENT SIDE SHOWN)

SEE NOTE 3

10.44
REF

4.75
REF

POINT 4 BLK
POINT 3 GRY/RED
POINT 2 BLK
POINT 1 ORN

P3
SOLDER TO COMPONENT
SIDE OF BOARD

7 (QTY 4)

POINT 5 RED
POINT 4 BLK
POINT 3 GRY/RED
POINT 2 BLK
POINT 1 BLK

P2
SOLDER TO FAR SIDE OF BOARD

P1
SOLDER TO FAR SIDE
OF BOARD

WIRE TABLE

ITEM NO.	DESCRIPTION	FROM		TO		LENGTH
		AWG	COLOR	CONN	TERM	
1	18	BLU	P1 POINT 1	PWR #11	SOLDER	
		BLK	P1 POINT 2	PWR #6		
		GRY/RED	P1 POINT 3	PWR #9		
		BLK	P1 POINT 4	PWR #5		
		RED	P1 POINT 5	PWR #12		
2		ORN	P2 POINT 1	PWR #4		
		BLK	P2 POINT 2	PWR #7		
		GRY/RED	P2 POINT 3	PWR #10		
	18	BLK	P2 POINT 4	PWR #8		
3	14	RED	P3	ITEM 7	PWR #13	13 IN ±.25
4	14	BLK	P5	ITEM 7	PWR #2	7 IN ±.25
5	14	ORN	P4	ITEM 7	PWR #1	11 IN ±.25
6	14	BLK	P6	ITEM 7	PWR #3	9 IN ±.25

NOTES:

1. STRIP LENGTH FOR ITEMS 3, 4 & 5 ARE TO BE .16 LONG.
2. THE BLACK WIRES ON P1 & P2 CAN BE INTERCHANGED BETWEEN POINTS 5, 6, 7 & 8 ON THE POWER BOARD.
3. INK STAMP ASS'Y NO. 7010718 IN FIGURES, 13 HIGH WHERE SHOWN.

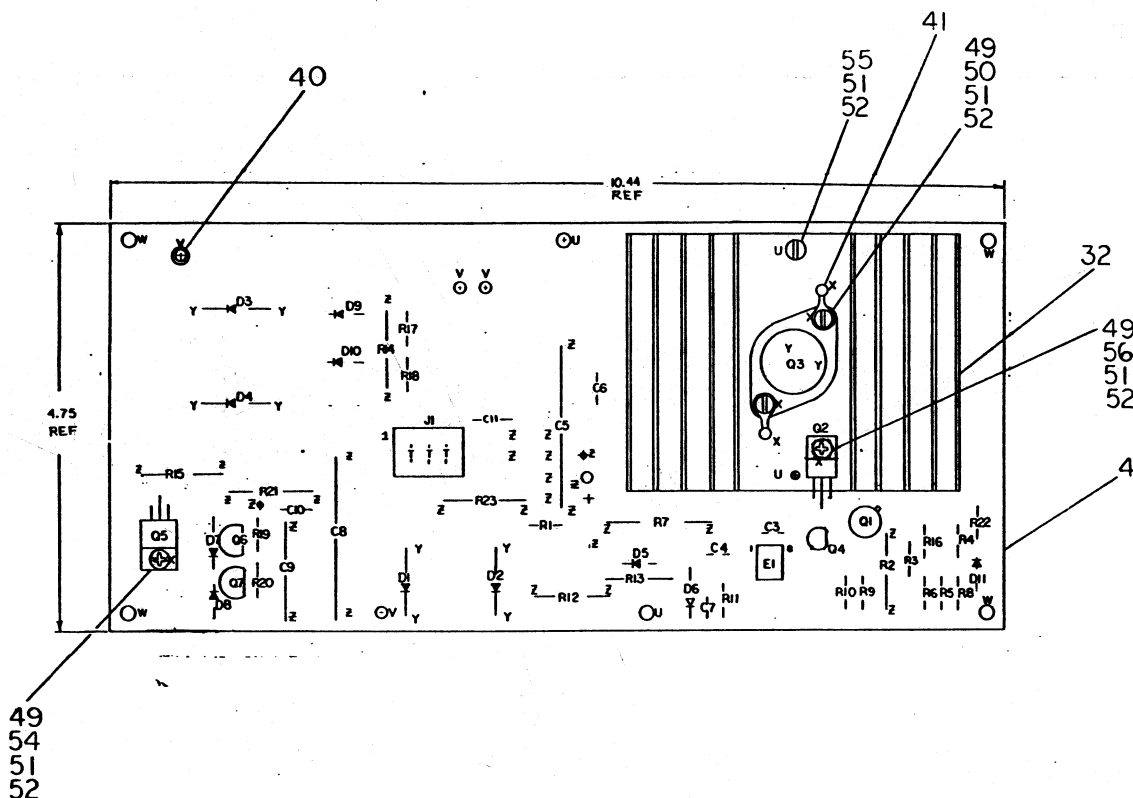
4	CONN, SOLDERLESS	9007928-00	7
1	POWER SUPPLY BOARD, RXØ1	D-05-5411398-0-1	6
1/4	WIRE, #14 AWG, IPVC, ORANGE	9107370-33	E
1/4	WIRE, #14 AWG, IPVC, BLACK	9107370-00	
1/4	WIRE, #14 AWG, IPVC, RED	9107370-22	
1	HARNESS, DISK CONTROL BOARD D-1A-7010853-0-0		
1	HARNESS, READ/WRITE BOARD D-1A-7010854-0-0		

DESCRIPTION		DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES	30°		
SURFACE QUALITY	IN		
MICROINCHES	PREFERRED		


THIRD ANGLE PROJECTION	DRN. T. Quill	1/2875	FIRST USED ON	H771	digital
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D	MC	1/2875	TITLE	
DO NOT SCALE DWG	ENG. B. H. H. H.	1/2875	RXØ1		
MATERIAL	SEE PARTS LIST	SCALE	1/1	POWER BOARD ASS'Y	
FINISH	1	SHEET	1	OF	1

REV.	CHANGE NO.	DATE	BY	APP.
A	1	1/28/75	C. YOUSE	
B	1	2/20/75	B. HAZEN	
C	1	3/12/75	B. HAZEN	

1. UNLESS OTHERWISE SPECIFIED
2. ALL RESISTORS ARE 1/4W, 1%. 15%.
3. DOTTED AREAS COMPONENT NOT ON BOARD.
4. AT TIME OF MODULE ASSY, ITEM 49 SHOULD BE APPLIED BENEATH Q2, Q3 & Q5.
5. AT TIME OF ASSEMBLY Q2, Q3 AND Q5 MOUNTING HARDWARE MUST BE TORQUED TO 40 INCH POUNDS.
6. Q4 Q6 AND Q7 OUTLINES CORRESPOND TO GENERAL ELECTRIC TYPE TRANSISTORS.
7. FLAT RECTANGULAR WASHER SUPPLIED BY VENDOR TO BE MOUNTED UNDER Q2 AND Q5. SCREWHEAD.

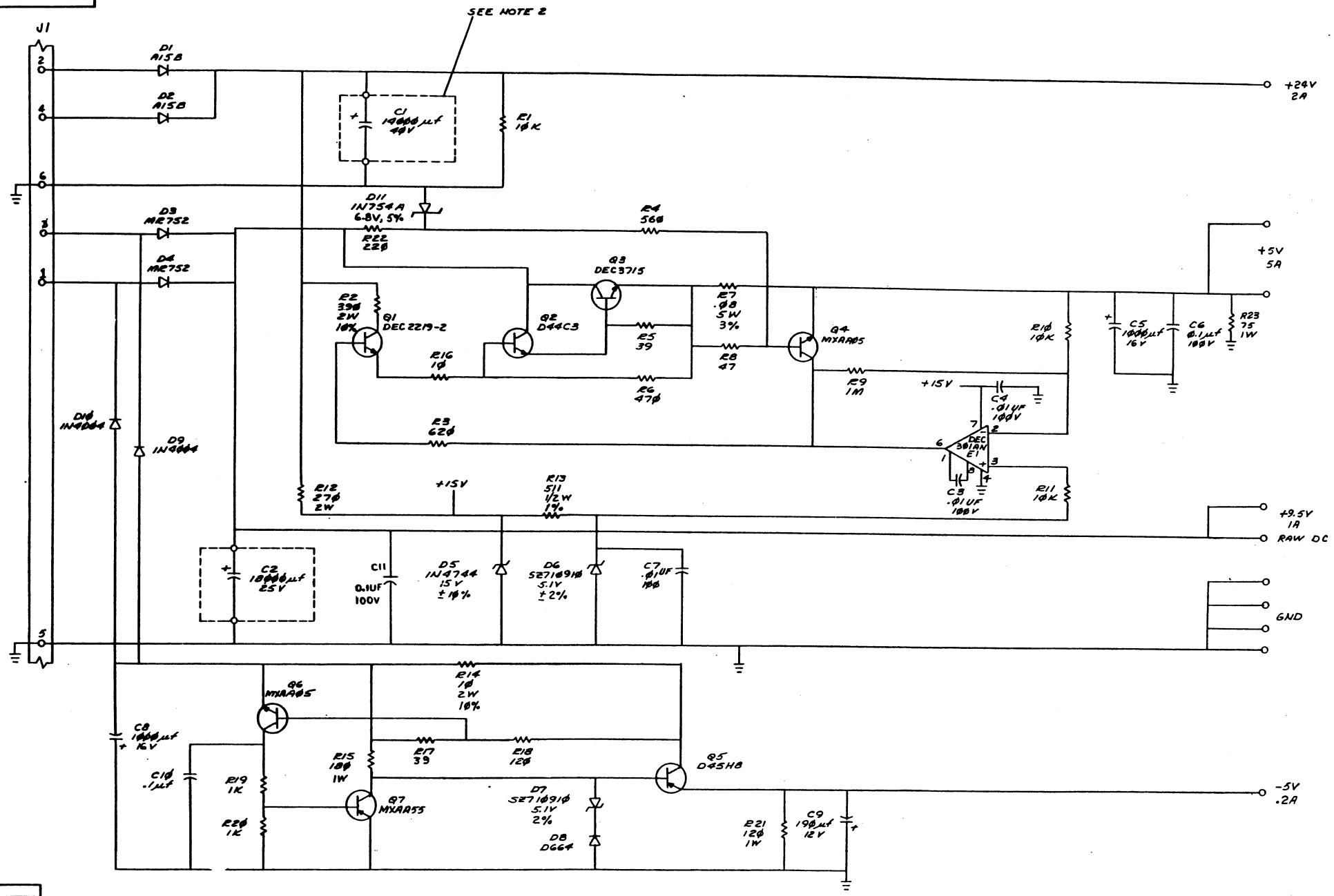


REF	QTY	DESCRIPTION	MOQ	UNIT	PRICE
1	1	X-Y COORDINATE HOLE LOCATION			500-5411395-0-4
1	1	PCB DRILLING HOLE LAYOUT			500-5411395-0-4
1	1	MODULE ECO HISTORY			B-MN-5411398-0-6
1	1	ETCHED CIRCUIT BOARD			5011397-0-00
1	1	CAP .01 μ F 100V 20% DISC			100610-01
2	1	C5, C6	100 μ F 10V	ELEC	1011849-02
3	1	C6, C10, C11	CAP .1 μ F 100V 20% DISC		1000030-00
1	1	C9	CAP 190 μ F 12V 10% ELEC		1009433-00
2	1	D1, D2	DIODE A158 (1N5624)		1110420-00
2	1	D3, D4	DIODE ME752		1110615-00
1	1	D5	DIODE 1N4744 15V 10%		1105648-00
2	1	D7, D6	DIODE 5Z110910 5.1V 2%		1110713-00
1	1	D8	DIODE D664		1100114-00
2	1	D9, D10	DIODE 1N4004		1105796-00
1	1	D11	DIODE 1N754A 6.8V 5%		1109991-00
2	1	R5, R17	RES 39 $\frac{1}{4}$ W 5% CC		1302377-00
1	1	R6	RES 470 $\frac{1}{4}$ W 5% CC		1300316-00
1	1	R7	RES .08 5W 3%		1311603-00
1	1	R8	RES 47 $\frac{1}{4}$ W 5% CC		1300208-00
1	1	R9	RES 1M $\frac{1}{4}$ W 5% CC		1309595-00
1	1	R12	RES 270 2W 5% CC		1305380-00
1	1	R13	RES 511 $\frac{1}{4}$ W 1%		1300324-00
1	1	R14	RES 10 2W 10% CC		1300172-00
1	1	R15	RES 180 1W 5% CC		1300262-00
1	1	R16	RES 10 $\frac{1}{4}$ W 5% CC		1301317-00
1	1	R18	RES 120 $\frac{1}{4}$ W 5% CC		1300247-00
2	1	R19, R20	RES 1K $\frac{1}{4}$ W 5% CC		1300365-00
1	1	R22	RES 220 $\frac{1}{4}$ W 5%		1300271-00
1	1	R21	RES 120 1W 5%		1301838-00
1	1	HEAT SINK			1212201-00
1	1	Q1	TRANS DEC 2219-2		1501883-00
1	1	Q2	TRANS D44C3		1510171-01
1	1	Q3	TRANS DEC 3715		1503068-00
2	1	Q4, Q6	TRANS MXAAR5		1510705-00
1	1	Q5	TRANS D45N3		1510708-01
1	1	Q7	TRANS MXAAR55		1510706-00
1	1	E1	I.C. DEC 301AN		1910282-00
4	1	EYELET			9007836-00
2	1	TERMINAL LUG, SOLDER			9009676-00
1	1	CONNECTOR 6 PIN			1211342-0-6
1	1	R4	RES 562 $\frac{1}{4}$ W 5% CC		1301890-00
1	1	R23	RES 75 1W 5% CC		1305281-00
3	1	R1, R10, R11	RES 10K $\frac{1}{4}$ W 5% CC		1300479-00
1	1	R2	RES 390 2W 5% CC		1301864-00
1	1	R3	RES 620 $\frac{1}{4}$ W 5% CC		1303178-00
1	1	THERMAL COMPOUND			9008268-00
2	1	SCREW 4-40 X 1/2			9006013-04
5	1	KEPNUT 4-40			9006557-00
5	1	WASHER FLAT 4-40			9006655-00
1	1	SCREW 4-40 X 5/16 (PHILLIPS HD)			9006011-1
1	1	SCREW 4-40 X 7/16			9006012-04
1	1	SCREW 4-40 X 1/2 (PHILLIPS HD)			9006013-1

QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST				
ETCH BOARD REV.				
	C			
		DON. <i>Don Morse</i> DATE <i>11/27/74</i> DESIGNED <i>Don Morse</i> DATE <i>11/18/75</i> INFO <i>David Vane</i> DATE <i>11/24/75</i> PROJ. ENG. <i>Don Morse</i> DATE <i>11/27/75</i> CHECKED <i>Don Morse</i> DATE <i>11/27/75</i>	 TITLE RXOI POWER SUPPLY	
		NEXT HIGHER ASSY		
		+ +		
DEC NO.	EIA NO.	SCALE	SIZE CODE	NUMBER
		1 OF 2	D CS	5411398-0-1
CONVERSION CHART		SHEET	DIST.	REV. B

[illegible]

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REVISIONS		
CHK	CHANGE NO.	REV.