

```

2511 2700 0234 OPEN TEMPB /INCREMENT AND TEST OUTER COUNT
2512 2701 0071 ESP
2513 2702 0073 ICT
2514 2703 0124 BR COFL F
2515 2704 2655 STDLY+1
2516
2517 2705 0176 BR FLAGO ONE /WAS INDEX WINDOW OPEN?
2518 2706 2767 UNRDY /YES, NO INDEX WITHIN 100MS
2519
2520 2707 0062 FLAG ON /NO, OPEN WINDOW
2521
2522 2710 0070 LCT /FOR 3 TIMES THROUGH 10 MS LOOP
2523 2711 0374 -3-1 /THE WINDOW IS 30 MS WIDE
2524
2525 2712 0226 JUMP F5 /GO LOOK FOR INDEX
2526 2713 2654 STDLY
2527
2528
2529 2714 0230 SAWIND, OPEN TEMPB /INCREMENT AND TEST INDEX PASS COUNT
2530 2715 0071 ESP
2531 2716 0073 ICT
2532 2717 0124 BR COFL F
2533 2720 2646 NEWPAS /THIS WAS 1ST INDEX, GO LOOK FOR SECOND
2534
2535 2721 0174 BR FLAGO ZERO /THIS WAS 2ND INDEX, WAS THE WINDOW OPEN?
2536 2722 2767 UNRDY /NO, INDEX OCCURRED TOO SOON
2537
2538 2723 0274 OPEN RTN /YES, INDEX OCCURRED BETWEEN 150 AND 180 MS, INCREMENT
2539 2724 0071 ESP /RETURN ADDRESS BY 2
2540 2725 0073 ICT
2541 2726 0073 ICT
2542 2727 0075 LSR
2543 2730 0064 LSP
2544
2545 2731 0214 OPEN STAT /SET DRV RDY BIT OF STAT IN SR
2546 2732 0071 ESP
2547 2733 0075 LSR
2548
2549 2734 0076 ROTATE ONE
2550
2551 2735 0061 FLAG OFF /FLAG OFF TO INDICATE FIRST PASS
2552
2553 2736 0070 ROT3, LCT /END AROUND SHIFT OF THE NEXT 3 BITS OF STAT IN SR
2554 2737 0374 -3-1
2555 2740 0122 BR SR7 T
2556 2741 2745 .+4
2557 2742 0074 ROTATE ZERO
2558 2743 0226 JUMP F5
2559 2744 2746 .+2
2560 2745 0076 ROTATE ONE
2561 2746 0073 ICT
2562 2747 0124 BR COFL F
2563 2750 2740 .-8
2564
2565 2751 0176 BR FLAGO T /WAS IT FIRST 3 OR LAST 3

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2566 2752 2764 EXCHRY /LAST, GO EXIT
2567
2568 2753 0140 BR WRTE F /UPDATE WRITE PROTECT BIT OF STAT IN SR
2569 2754 2760 .+4
2570 2755 0074 ROTATE ZERO
2571 2756 0226 JUMP F5
2572 2757 2761 .+2
2573 2760 0076 ROTATE ONE
2574
2575 2761 0062 FLAG ON /GO SHIFT AROUND LAST 3 BITS
2576 2762 0226 JUMP F5
2577 2763 2736 ROT3
2578
2579 2764 0064 EXCHRY, LSP /RESTORE THE STAT
2580
2581 2765 0274 OPEN RTN /RETURN FROM CHKRDY SUBROUTINE
2582 2766 0217 JUMP F3 IND
2583
2584 2767 0214 UNRDY, OPEN STAT /CLEAN DRV READY BIT OF STAT IN SR
2585 2770 0071 ESP
2586 2771 0075 LSR
2587 2772 0074 ROTATE ZERO
2588
2589 2773 0226 JUMP F5 /GO UPDATE REST OF STAT IN SR
2590 2774 2735 ROT3-1
2591
2592 2775 0000 2 /OPEN
2593 2776 0000 0 /OPEN
2594 2777 0000 0 /OPEN
2595
2596
2597

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14

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0000 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
0100 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

0200 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
0300 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

0400 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
0500 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

0600 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
0700 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

1000 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
1100 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

1200 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
1300 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

1400 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
1500 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

1600 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
1700 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

2000 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
2100 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

2200 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
2300 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

2400 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
2500 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

2600 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111
2700 11111111 11111111 11111111 11111111 11111111 11111111 11111111 11111111

3000
3100

3200
3300

3400
3500

3600
3700

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4000
4100

4200
4300

4400
4500

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4700

5000
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5200
5300

5400
5500

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5700

6000
6100

6200
6300

6400
6500

6600
6700

7000
7100

7200
7300

7400
7500

7600
7700

```

A	0562	ERTRK	0242	PFUNCT	0370	WHCHDR	0075
ABACK	0535	EXCHRY	2764	PGETDA	2617	WRONG	2621
ABV43	0344	FILL1	1175	PGOTIT	1346	WRT08	1322
AGAIN	0531	FILLBU	1110	PNORDY	1771	WRTCRC	0624
AGAIN1	0550	FINDHD	1400	PNTRDY	1765	WRTDAM	0514
AGAIN2	0722	FINDSE	0714	PRDSEC	1105	WRTDAT	0566
AGAIN3	1576	FINDTR	0103	PRTRER	0503	WRTPST	0656
AGAIN4	1616	FUNCT	1036	PTRYAG	2615	WRTSEC	0400
AGAIN5	1635	FUNCT2	1057	PUTSEC	0145	XFRQ	1131
AGAIN6	1653	FUNCT4	1066	PUTTRY	0166	XSTRY8	2573
B	0564	FUNCT6	1076	PYSRDY	1767		
BACK	2322	GETCMD	2001	RCALOK	0060		
BADDAM	2577	GETCRC	2221	RDEREG	1275		
BADHDR	2557	GETDAM	1441	RDSEC	0760		
BADSRT	1673	GETWRD	2000	RSTAT	1224		
BBACK	0554	GLESSF	2432	READ	2167		
BDSRT	2555	GODONE	0712	READOK	0706		
BOOT	0252	GODUN	1272	RECALP	0035		
BYTEOU	1152	GOERDN	2610	RECAL1	0034		
C	0615	GOREAD	0770	RFINTR	0355		
CBACK	0576	GOTIT	2010	ROT	1251		
CEGATE	0676	GOTONE	2032	ROT3	2736		
CFINSE	0351	GOTRUN	2347	SAWIND	2714		
CHKPAR	2041	GOTWRD	2076	SECHLF	0543		
CHKRDY	2640	HCR CER	2546	SECPLS	2124		
CHKSEC	0730	HDRCOM	1571	SELEFR	0620		
CKHCRC	2515	HCSETL	0322	SPBACK	2662		
CKHOME	2105	HLFDLY	0466	STASH	0437		
CLRID	1243	HOMERR	2456	STDLY	2654		
CLGATE	0666	ILTRK	0206	STDONE	1031		
D	0653	IN10	0045	STEPHD	2100		
DAM	1675	INTER1	1374	STPOUT	0275		
DAMSUP	0460	INTRDY	2631	SWGATF	0407		
DATA	2206	LOOP	1326	TEST	2352		
DATAA	0571	MAGCOM	2400	TEST1	1351		
DBACK	0646	MOREDS	1421	TEST2	1350		
DCRCER	2304	NEWORD	1141	TESTDN	1372		
DELAY	1300	NEWPAS	2646	TIMERR	1667		
DEL CAT	1777	NEXTG	2421	TKSKER	2542		
DIF	2402	NOOAM	2606	TRKEG	0246		
DIFA	2503	NOSTPS	0357	TRYAGN	1413		
DIFR	2501	NOYET	1755	TSTAGN	1353		
DLY25	2145	NOZERO	1746	TSTG0	2443		
DMCAL	2625	NOTHER	2034	TSTRTN	0004		
DMNDLY	2145	NXDRVE	0064	UDIF	0134		
DMNSTP	2135	NXDRV1	0270	UNRDY	2767		
DMNSTP	0305	NXDR	0737	UONE	0120		
E	0627	OXIDAM	1761	USAME	0141		
EMPTV1	1210	NAPRAM	1751	UZERO	0127		
EMPTVH	1107	OXDONE	1006	WAIT	0743		
ENDDAM	1742	OUT	2150	WAITRY	2312		
ERDONE	1100	PDRCL	0372	WATDAT	2021		

ERRORS DETECTED: 0
 LINKS GENERATED: 0
 RUN-TIME: 18 SECONDS
 3K CORE USED

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PARTS LIST

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	TRM
		X-Y COORDINATE HOLE LOCATION	K-00-M7727-0-4	1
		ASSY/DEILL HOLE LAYOUT	D-04-M7727-0-5	2
		MODULE ECO HISTORY	B-MH-M7727-0-6	3
		ETCHED CIRCUIT BOARD	D-14-501372-00	4
2	C17, C18	CAP 100 pF	100016-00	5
	C9	CAP 180 pF	1000020-00	6
2	C8, C14	CAP 220 pF	1000021-00	7
32	C1, C2, C4, C10, C11, C15	CAP 1.0 uF	1001610-00	8
	C16, C20, C21, C23, C24			
	C26, C27, C29, C30,			
	C37, C38, C39, C40, C43			
	C44, C45, C46, C47			
	C49 - C57			
2	C3, C5	CAP 6.8 uF 35V	1003306-00	9
2	C34, C35	CAP 180 uF	1009933-00	10
1	C33	CAP 50 uF	1000080-00	11
4	C7, C6, C12, C13	CAP .047 uF	1001928-32	12
5	C19, C25, C22, C28, C36	CAP .005 uF	1001765-00	13
10	D4, D7, D9, D12, D14	DIODE D671	1103309-00	14
8	D5, D6, D17, D18, D19	DIODE D672	1105275-00	15
	D1, D21, D22			
10	D23, D24, D26, D27	DIODE 1N4004	11015796-00	16
	D28, D29, D30, D31			
	D32, D33			
1	D20	DIODE 1N4742	1109502-00	17
2	D1, D2	DIODE 51V	1110713-00	18
9	R90, R92 - R99	RES 150 1/4W 5%	1300250-00	19
4	R41, R104, R105, R106	RES 680 1/2W 5%	1300347-00	20
12	R6, R14, R17	RES 1K 1/4W 5%	1300365-00	21
	R23, R24, R26, R46			
	R78, R79, R80, R81			
	R91			
4	R8 - R11	RES 1.2K 1/2W 5%	1300385-00	22
6	R30, R37, R44, R71, R84, R111	RES 68 1/2W 5%	1309405-00	23
7	R19, R16, R53, R62	RES 1.5K 1/4W 5%	1300391-00	24
	R68, R75, R102			
4	R35, R36, R39, R40	RES 511 1/8W 1%	1302411-00	25
1	R5	RES 2.74K 1/8W 1%	1304868-00	26
11	R2, R4, R7, R12, R15	RES 3.3K 1/4W 5%	1300439-00	27
	R18, R19, R25, R27			
	R42, R43			
6	R1, R20, R22, R44	RES 10K 1/4W 5%	1300479-00	28
	R45, R107			
11	R3, R37, R38, R52	RES 1.21K 1/8W 1%	1302871-00	29
	R58, R63, R66, R72			
	R76, R109, R112			
1	R32	RES 220 1/2W 5%	1300271-00	30
2	R33, R34	RES 464 1/8W 1%	1303047-00	31
2	R28, R29	RES 34.8K 1/8W 1%	1303156-00	32
4	R51, R61, R65, R73	RES 10K 1/8W 1%	1303312-00	33
2	R82, R83	RES 100 5W 5%	1309094-00	34
2	R30, R31	RES 19.6K 1/8W 1%	1309419-00	35
6	R55, R59, R67, R74	RES 4.64K 1/4W 1%	1300856-00	36
	R110, R113			

*

PARTS LIST

QTY	REF DESIGNATION	DESCRIPTION	PART NO.	TRM
1	L5	CHOKE 1000 MHV	1602729-00	37
2	L2, L4	CHOKE 38 MHV	1601359-00	38
2	L1, L3	CHOKE 120 MHV	1610663-00	39
1	R17	I.C. 7450	1905580-00	40
2	R18, R18	I.C. 7473	1905587-00	41
1	R18	I.C. 7402	1909004-00	42
1	R18	I.C. 7404	1909686-00	43
2	R4, R6	I.C. 7408	1910155-00	44
5	R1, R9, R21	I.C. 7414	1910337-00	45
5	R2, R3, R12, R19, R20	I.C. 75451	1910406-00	46
1	R10	I.C. 74125	1910436-00	47
2	R8, R11	I.C. 72739	1910644-00	48
1	R15	I.C. 74157	1910655-00	49
1	R5	I.C. 7406	1910741-00	50
1	R71	I.C. SOCKET 16 PIN	1211813-02	51
9	R9, R18, R19, R25, R26	TRANS MXA905	1570705-00	52
6	R1 - R5, R8	TRANS MXA455	150706-00	53
8	R17 - R24	TRANS D44C8	1510421-00	54
8	R6, R7 HOLES	WIRE WRAP PIN	1210385-01	55
3	R2	CONV 2 POS	1212204-00	56
8	R X HOLES	SCREW, PAN HD 4/40 X 5/16	9006010-01	57
1	R7	NUT, KEEL 4/40 X 1/4 X 3/32	9006557-00	58
1	R7	I.C. 75452	1910645-00	59
4	R54, R56, R69, R70	RES 14.7K 1/4W 1%	1902941-00	60

REVISIONS

CHK	CHANGE NO	REV

TITLE: READ/WRITE CONTROL

SCALE: 1" = 1"

SHEET 2 OF 2

DIST

SIZE CODE: DCS

NUMBER: M7727-0-1

REV: E

8

7

6

5

4

3

2

1

8

7

6

5

4

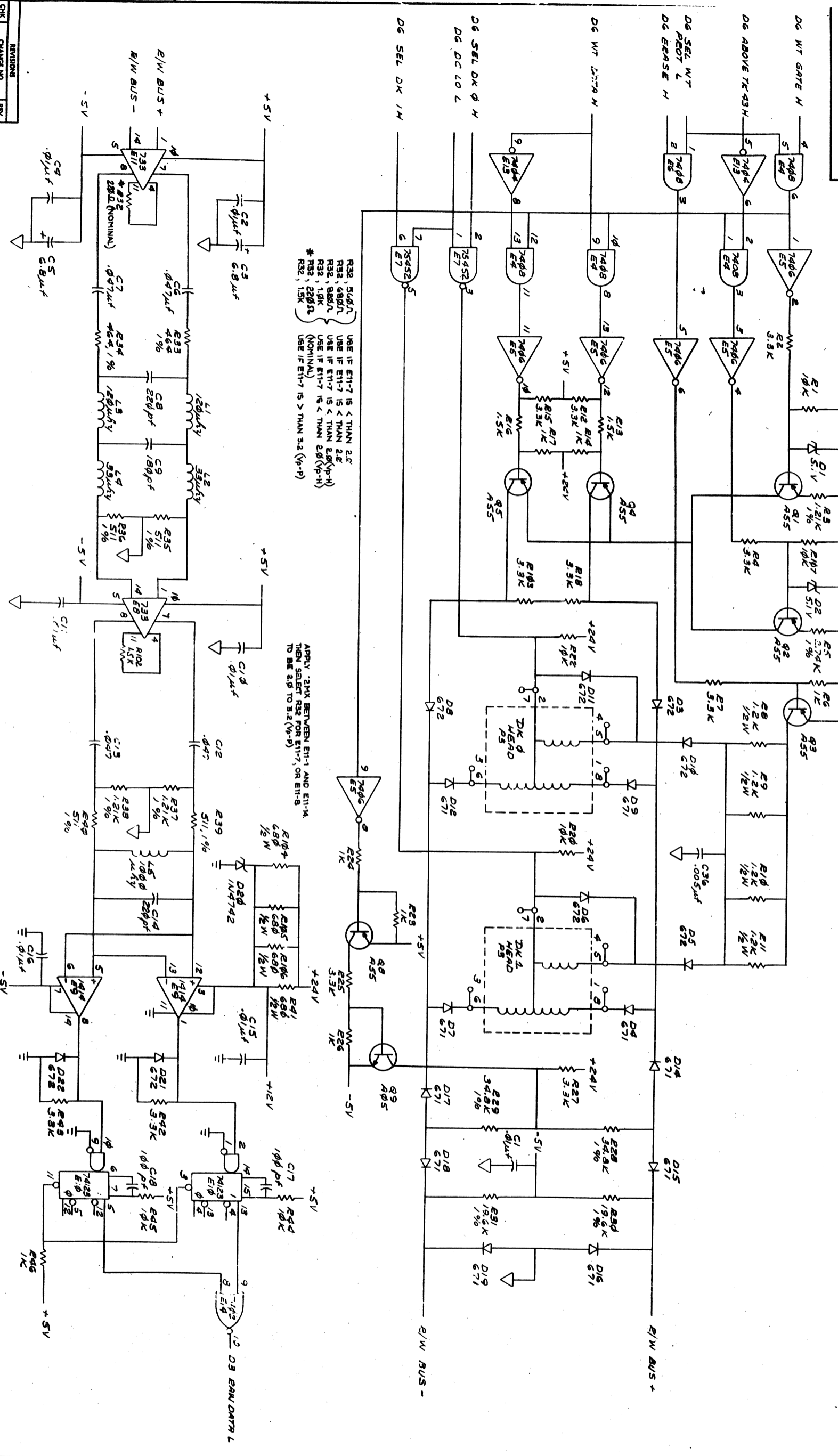
3

2

1

3 1-1-2222MCS 2

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R32, 500Ω
 R33, 500Ω
 R34, 500Ω
 R35, 500Ω
 R36, 500Ω
 R37, 500Ω
 R38, 500Ω
 R39, 500Ω
 R40, 500Ω
 R41, 500Ω
 R42, 500Ω
 R43, 500Ω
 R44, 500Ω
 R45, 500Ω
 R46, 500Ω

APPLY 2VX BETWEEN E11-1 AND E11-14
 THEN SELECT R32 FOR E11-7, OR E11-8
 TO BE 2.0 TO 3.2 (V-P)

CHK	CHANGE NO.	REV.

REVISIONS	TITLE	SCALE	SHEET	OF	DATE	NUMBER	REV.
	READ/WRITE CONTROL (D3)		3	6		D3CS M7727-Ø-1	E

31-Ø-2222M SQ 2

