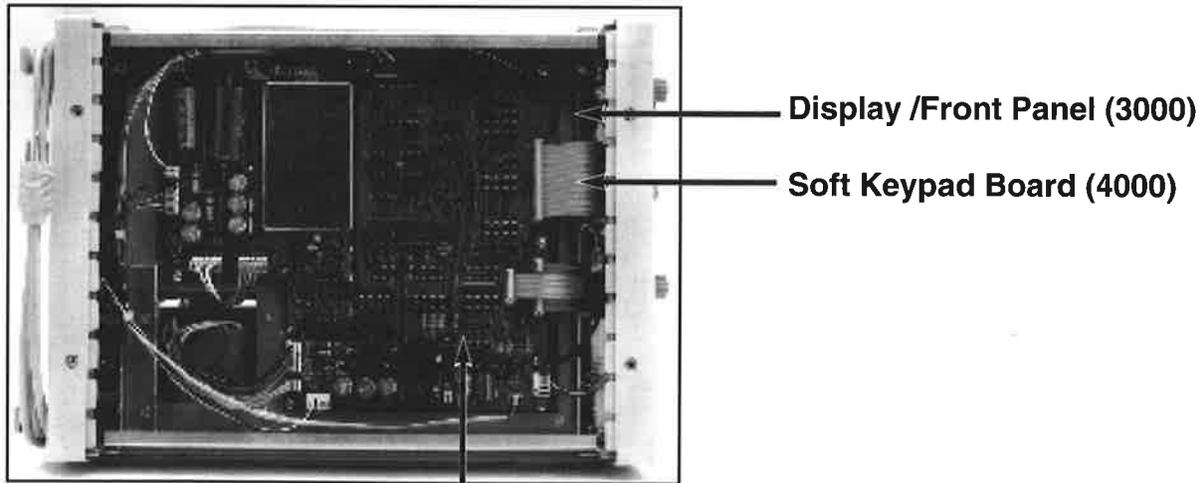
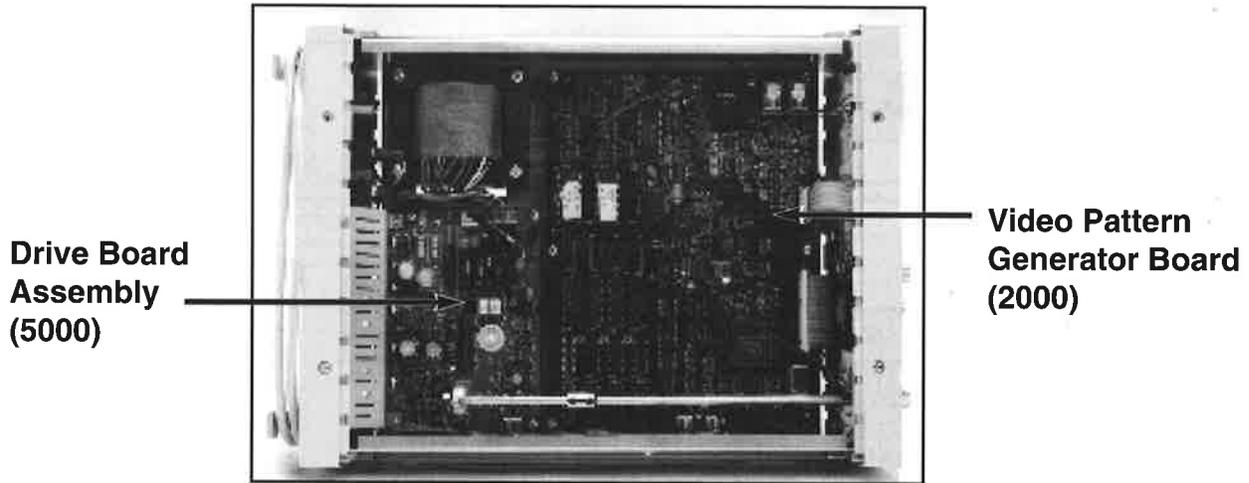


CM2125

Computer Monitor Analyzer

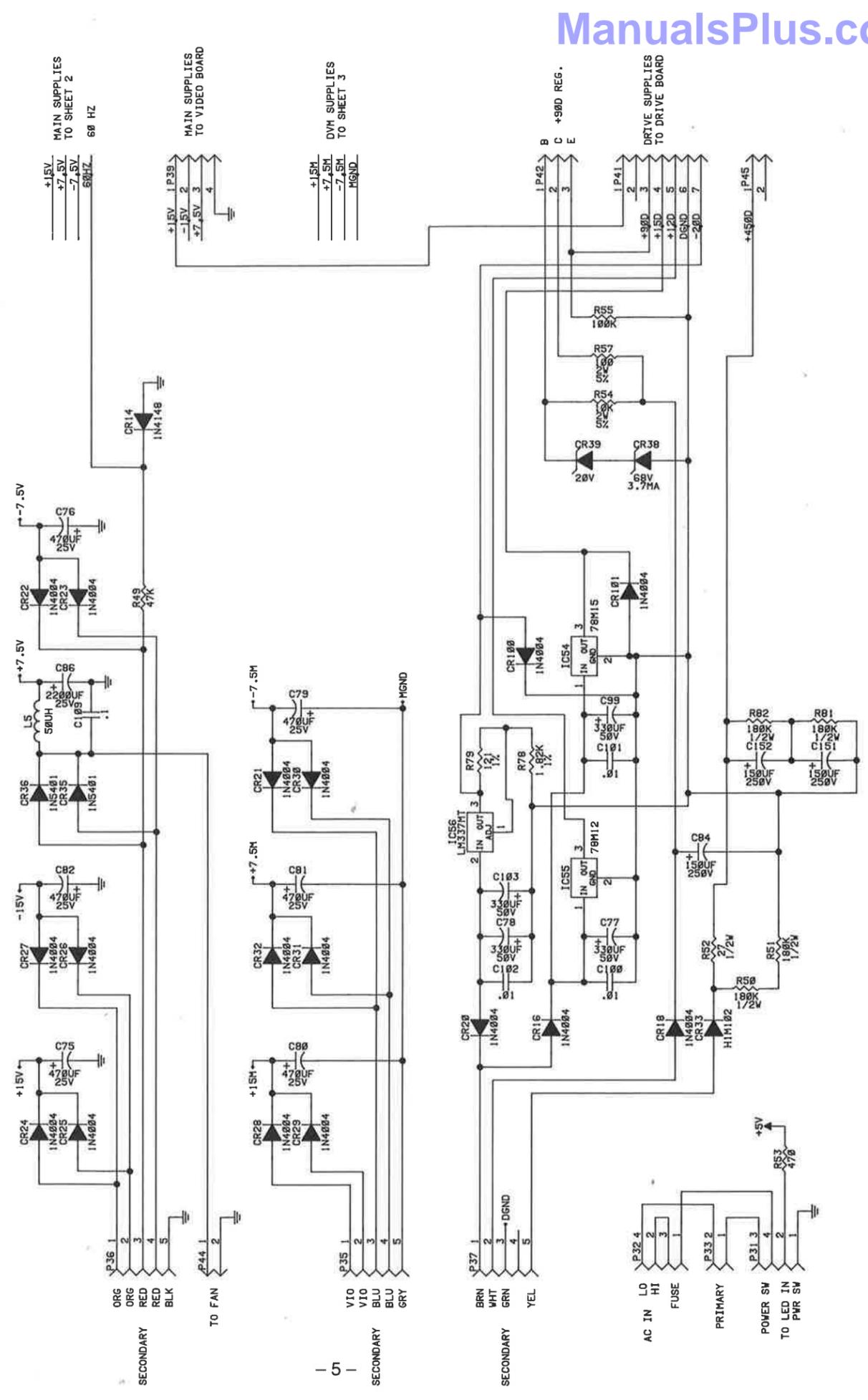
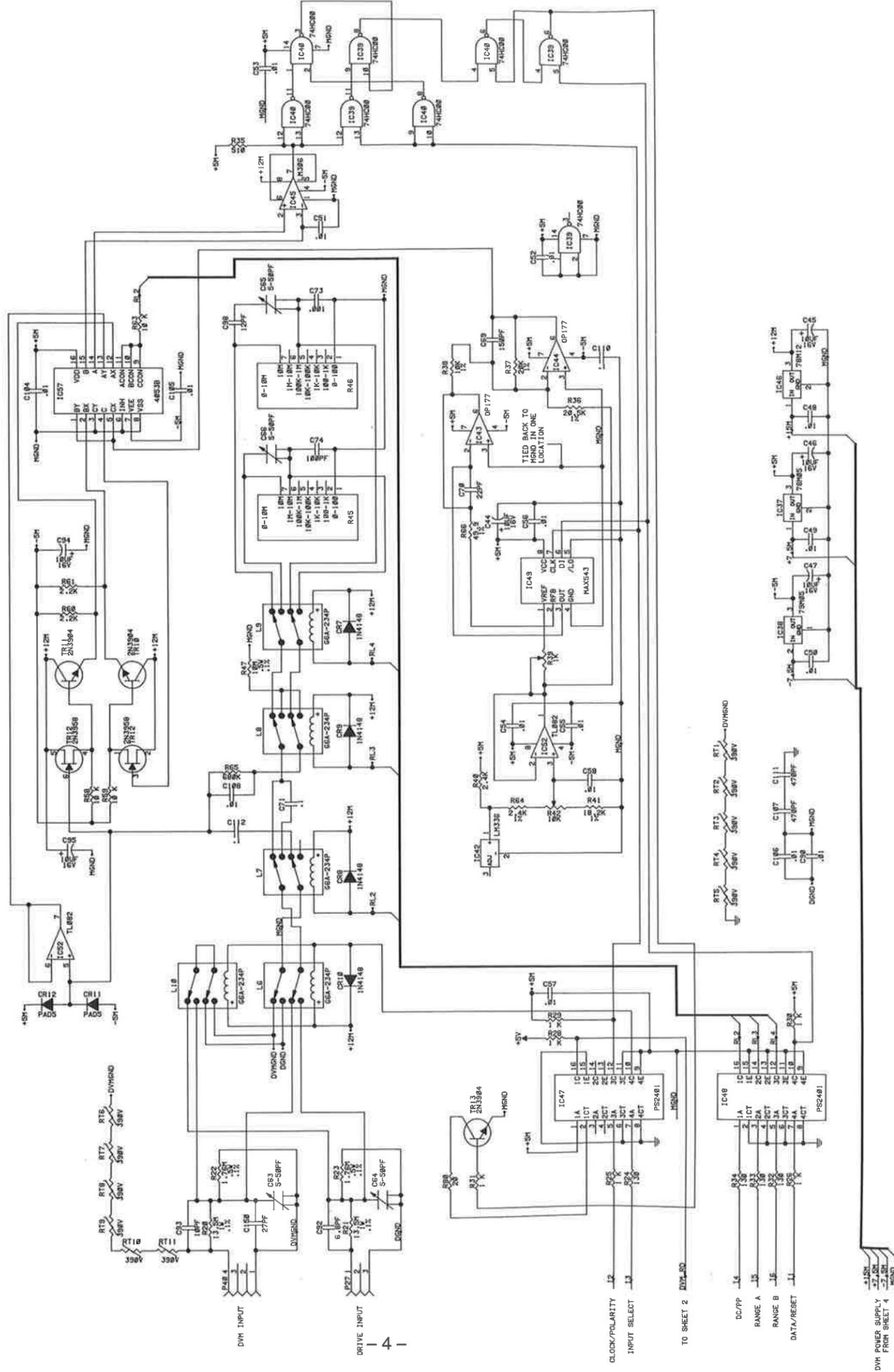
Parts List & Schematic



Control/DVM/Power Supply Board (1000)

Index	Page
Block Diagram	12-13
1000 Control/DVM/Power Supply Board	2-8
2000 Video Board.....	9-10, 11, 14-17
3000 Front Panel.....	18-19
4000 Keyboard Board.....	20-21
5000 Drive Board.....	22-23
6000 EMI Board.....	10
Miscellaneous Parts List.....	10

This booklet contains schematic, board legend, and parts list for each board.



Schematic References

Component

Part Description

1000 Control/DVM/Power Supply Board

B1	17Z13
CR36,35 CLIP LEADS	16G14
CR38 CLIP LEADS	50C4-20
RT1,6,7,8,9,10,11,2,3,4,5 CLIP	33G251
R78	14A38-1823A
R79	14A38-1212A
R51,50,82,81	14C4-184
CR33	16G23
R52	14C4-270
CR100,101,20,18,16,31,30,21,32	16G10
R54	14C10-103
CR39	50C4-8
R57	14C10-101
C102,101,100,49,50	24G483
IC56,55,54	67G50
IC56	69G287
IC55	69G135
IC54	69G105
C78,103,99,77	24G408
IC37	69G70
C46	24G382
IC38	69G273
C81,79,80	24G437
IC44,43	69G405
IC49	69G404
IC45	69G113
IC52	69G189
CR27,26,24,25,28	16G10
R64	14A38-2403A
R36	14A38-2054A
R66	14A38-4991A
R41	14A38-1824A
R23,22	14C26-1766A
R21,20	14A80-1357A
C110	24G482
IC42	69G171
C70	24G151
C52,55,56,54,104,58,48	24G483
R39	15A36-1
C44,47,45	24G382
R42	15A36-5
R45,46	69G659
C74	24G70
C98	24G324
C65,66,64,63	24G474
IC46	69G135
L10,6	41G36
C84,151	24G239
C152 SEPARATE BIN, LONGER LEAD	24G239
C106,90	24G221
C92	24G138
C93	24G651
IC40,39	69G267
IC57	69G64-B
IC47,48 BEVELED SIDE TO PIN 1	69G310
IC25	69G268
CR22,23	16G10
CR14,4,7,9,10,8	50C5-2-A
R80	14C1-620
R38	14A38-1004A
R37	14A38-2004A
R47	14C26-1007A

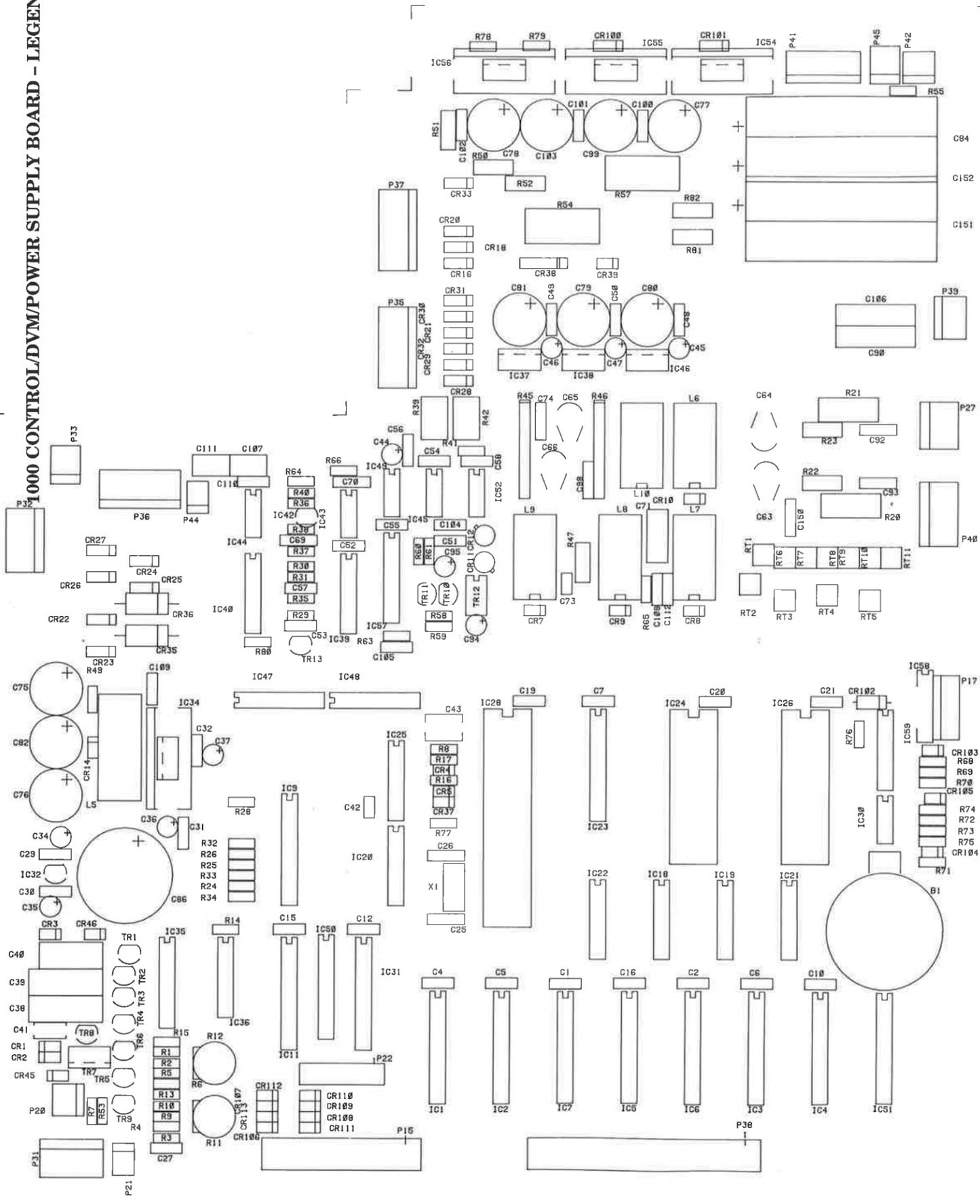
Schematic References

Component

C75,82,76	24G37
L5	46G92
C109,112	24G482
IC34	69G70
C32,57,53,105,51	24G483
C69	24G208
TR13,11,10	19A33-1
TR12	19A31-1
C37,95,94	24G382
C42,73	24G368
C43	24G496
CR12,11 USE 3/8" SPAG. ON 2 LE	50G24
IC35	69G6-B
C71	24G512
IC36	69G244
C108	24G214
IC9	69G302
L9,8,7	41G36
C150	24G75
IC20,18,19,21	69G324
IC28	69G322
IC23	69G202
IC22	69G249
IC26	69Z615
IC59	69G268
IC30	69G63
IC58	69G172
CR3,5,37,103,104	50C5-2-A
CR46	50C4-6-A
CR105	50C4-4
IC32	69G116
C29,30,31,19,7,20,21	24G483
C34,35,36	24G382
C86	24G424
C40 WITH 3/8" SPAG.	24G345
C39	24G403
TR1,2,3	19G96
X1	47G57
C26,25	24G75
IC11,1,2,7,5,6,3,4	69G302
IC50	69G238
IC31,51	69G347
CR1,2,112,107,113,106,110,109,	50C5-2-A
CR45	50C4-6-A
C38	24G404
C41 WITH 3/8" SPAG.	24G262
TR8	19A34-1
TR7	19A30-1
TR4,6,5	19A33-1
TR9	19G50
C27,15,12,4,5,1,16,2,6,10	24G483
R12	15C26-20
R11	15C26-19
FOR B1	17Z14
CR102	50C5-2-a

BATTERY, LITHIUM, 3V
DIODE, PWR COMP, 100V, 3A, 5401
DIODE, ZENER, 68V, 5%, 5W, 1N5373
VARISTOR, 390V, +/- 10%
RES, MET.F, 1.82K, 1/4W, 1%, 100P
RES, MET.F, 121, 1/4W, 1%, 100PPM
RES, CARBON, 180K, 1/2W, 5%
DIODE, SILICON, 1.3KV, 1A, 5UA, T
RES, CARBON, 27, 1/2W, 5%
DIODE, SIL, 400V, 1A, 5UA, 1N4004
RES, CARBON, 10K, 2W, 5%
DIODE, ZENER, 20V, 45MA, 5%, 1N47
RES, CARBON, 100, 2W, 5%
CAP, MYLAR, .01UF, 50V, 5%, 5MM
HEATSINK, TO-220
IC, REG, NEG, ADJ, LM337T
IC, REG, +12V, 500MA, 78M12
IC, REG, +15V, 500MA, 78M15
CAP, RLYTIC, 330UF, 50V, +/- 20%
IC, REG, +5V, 500MA, 78M05CT
CAP, RLYTIC, 10UF, 16V, 20%
IC, REG, 5V, .5A, 79M05
CAP, RLYTIC, 470UF, 25V, +100/-20
IC, OP-AMP, LOW OFFSET, OP177
IC, CONV, D/A, 12BIT, MAX543
IC, COMP, SINGLE, 8 PIN, LM306
IC, OP-AMP, DUAL, BIFET, TL082
DIODE, SIL, 400V, 1A, 5UA, 1N4004
RES, MET.F, 2.4K, 1/4W, 1%, 100PP
RES, MET.F, 20.5K, 1/4W, 1%, 100P
RES, MET.F, 49.9, 1/4W, 1%, 100PP
RES, MET.F, 18.2K, 1/4W, 1%, 100P
RES, MET.F, 1.76M, 1/2W, .1%, 100
RES, MET.F, 13.5M, 1W, .1%, 100PP
CAP, MYLAR, .1UF, 50V, 5%, 5MM
IC, REG, +2.5V, 2% REF, LM3368Z
CAP, DISC, 22PF, 500V, 5%, NPO
CAP, MYLAR, .01UF, 50V, 5%, 5MM
POT, VPC20T CERM, 1K, .10%
CAP, RLYTIC, 10UF, 16V, 20%
POT, VPC, 10K, 20T
DECADE VOLTAGE DIVIDER, 100-10M
CAP, DISC, 100PF, 500V, 5%, NPO
CAP, DISC, 12PF, 500V, 5%, NPO
CAP, TRIM, 5.1-50PF, 250V
IC, REG, +12V, 500MA, 78M12
RELAY, DPDT, 12V, DC COIL
CAP, LYTIC, 150UF, 200V, +100/-20
CAP, LYTIC, 150UF, 200V, +100/-20
CAP, DISC, .01UF, 3000V, +80/-20%
CAP, DISC, 6.8PF, 500V, 10%, NPO
CAP, DISC, 10PF, 3000V, 20%
IC, NAND, 2-IN, 74HC00
IC, SW, TRIPLE, 16 PIN, 4053B
IC, OPTOCOUPLER, PS2501
IC, NAND, 2-IN, 74HC132
DIODE, SIL, 400V, 1A, 5UA, 1N4004
DIODE, SIL, 75V, 100MA, .25UA, 41
RES, CARBON, 62, 1/4W, 5%
RES, MET.F, 10K, 1/4W, 1%, 100PPM
RES, MET.F, 20K, 1/4W, 1%, 100PPM
RES, MET.F, 10M, 1/2W, .1%, 100PP

CAP, RLYTIC, 470UF, 25V, +100/-20
IND, WIREFORM, 50UH, 1.5A
CAP, MYLAR, .1UF, 50V, 5%, 5MM
IC, REG, +5V, 500MA, 78M05CT
CAP, MYLAR, .01UF, 50V, 5%, 5MM
CAP, DISC, 150PF, 500V, 10%, 25F
TRANS, NPN, 40V, 200MA, 2N3904
TRANS, N-CHNL, 50V, 50MA, 2N3958
CAP, RLYTIC, 10UF, 16V, 20%
CAP, DIS, .001UF, 100V, 10%
CAP, MYLAR, 47UF, 50V, 10%, BULK
DIODE, SIL, 35V, 50MA, 20PA, PAD
IC, COUNTER, 12-STGE, 16PIN, 4040
CAP, MET.POLY, .1UF, 250V, 10%, B
IC, NOR, 2-IN, 74HC02
CAP, DISC, .001UF, 500V, 10%, 25F
IC, F-FLOP, D, TRI-STATE, 74HC374
RELAY, DPDT, 12V DC COIL
CAP, DISC, 27PF, 500V, 5%, MPO
IC, OR, 2-IN, 74HC32
IC, MICRO, 80C31
IC, F-FLOP, "D", OCTAL, 74HC373
IC, OR, 3-3IN, 74HC4075
IC, STATIC RAM, 100NS, CMOS
IC, NAND, 2-IN, 74HC132
IC, OP-AMP, SINGLE, BIFET, TL081
IC, RES, NET, 5X10K, 6PIN, SIP PK
DIODE, SIL, 75V, 100MA, .25UA, 41
DIODE, ZENER, 6.2V, 100MA, 5%, 47
DIODE, ZENER, 2.4V, 100MA, 1N5221
IC, REG, -5V, 100MA, 79L05
CAP, MYLAR, .01UF, 50V, 5%, 5MM
CAP, RLYTIC, 10UF, 16V, 20%
CAP, RLYTIC, 2200UF, 35V, 20%
CAP, POLY, .0022UF, 160V, 10%
CAP, POLYPROP, .01UF, 400V, 10%
TRANS, N-CHNL, 60V, 2A, MPF960
CRYSTAL, 12MHZ, MICRO
CAP, DISC, 27PF, 500V, 5%, NPO
IC, F-FLOP, D, TRI-STATE, 74HC374
IC, RES NET, PULLUP, 8 X 100K
IC, BUFFER, OCTAL, 74HC244
DIODE, SIL, 75V, 100MA, .25UA, 41
DIODE, ZENER, 6.2V, 100MA, 5%, 47
CAP, POLYPROP, .033UF, 200V, 10%
CAP, POLY, 150PF, 125V, 5%
TRANS, PNP, 40V, 200MA, 2N3906
TRANS, PNP, 40V, 3A, MJE170
TRANS, NPN, 40V, 200MA, 2N3904
TRANS, N-CHNL, 25V, 10MA, J211
CAP, MYLAR, .01UF, 50V, 5%, 5MM
POT, MVPC CERM, 5K, 1/2W, 20%
POT, MVPC CERM, 50K, 1/2W, 20%
HOLDER, BATTERY COIN
DIODE, SIL, 75V, 100 mA, .25 μ A, 4148



Schematic References
2000 Video Board

- IC49,50
- IC102,68,69,71,70
- R215
- R3,5,51,75
- R4,6-9,12-14,48-50,68,136-139
- 176-179,180-182,185,210
- R24,29,133
- R32
- R33
- R144,183,184,192-199
- R10,70
- R37,38,39
- R34,35,36,201
- R1
- R80-95,165,167,168,206-209
- R69
- R220
- R15
- R73
- R40,41,112-127,140,141,143,14
- 147-164,166,200,202-205,212,213
- R71
- R57
- R16,17,67
- R28
- R186,216
- R27
- R2,96-111,128,130-132,187-190
- R74
- R26
- R45-47,72,76-79
- R25
- R19
- CR18,27-40
- TR4,7
- TR5,6,9,10
- TR8
- C1-8,11-18,23-26,38-52,80-83
- 89,92,93,96-99,100,101,102-111
- C9,10,58,62,65,85,87,88,90,91
- C113-123
- C21,55,56,57
- C20,27,84,86
- C22
- CR4,5,6,7,10
- IC39
- IC43,105
- IC20,27
- IC13
- IC19
- IC40
- IC1,2,10,16-18,74,86,87
- IC14,28,83,95
- IC5
- IC37,98
- IC15,21,66,84
- IC97
- IC38
- IC29
- IC96,106
- IC32,33,34,35,101
- IC48,77,79,100
- IC11,12,25

Component

- 69G518
- 69G330
- 14G102-1001A
- 14G102-1002A
- 14G102-1003A
- 14G102-1004A
- 14G102-1006A
- 14G102-1007E
- 14G102-1102A
- 14G102-1212A
- 14G102-1213A
- 14G102-1502A
- 14G102-1503A
- 14G102-1822A
- 14G102-1823A
- 14G102-2002A
- 14G102-2003A
- 14G102-2432A
- 14G102-3012A
- 14G102-3013A
- 14G102-4321A
- 14G102-5112A
- 14G102-5113A
- 14G102-6811A
- 14G102-6813A
- 14G102-8252A
- 15G50-101
- 15G50-103
- 15G50-152
- 15G50-681
- 15G50-682
- 16G35
- 19G92
- 19G95
- 19G102
- 24G465
- 24G575
- 24G594
- 24G606
- 24G612
- 24G616
- 50G36
- 69G428
- 69G431
- 69G435
- 69G438
- 69G439
- 69G440
- 69G441
- 69G443
- 69G453
- 69G454
- 69G455
- 69G456
- 69G458
- 69G465
- 69G498
- 69G512
- 69G513
- 69G515

- IC, EPROM, 32KX8, 150NS,
- IC, BUFFER, PWR AMP, EL2003
- RES, CHIP, 10, 1/8W, 1%, 100PPM
- RES, CHIP, 100, 1/8W, 1%, 100PPM
- RES, CHIP, 1K, 1/8W, 1%, 10PPM
- RES, CHIP, 10K, 1/8W, 1%, 100PPM
- RES, CHIP, 1M, 1/8W, 1%, 100PPM
- RES, CHIP, 10M, 1/8W, 1%, 500PPM
- RES, CHIP, 110, 1/8W, 1%, 100PPM
- RES, CHIP, 121, 1/8W, 1%, 100PPM
- RES, CHIP, 1.21K, 1/8W, 1%, 100P
- RES, CHIP, 150, 1/8W, 1%, 100PPM
- RES, CHIP, 1.5K, 1/8W, 1%, 100PP
- RES, CHIP, 182, 1/8W, 1%, 100PPM
- RES, CHIP, 1.82K, 1/8W, 1%, 100P
- RES, CHIP, 200, 1/8W, 1%, 100PPM
- RES, CHIP, 2K, 1/8W, 1%, 100PPM
- RES, CHIP, 243, 1/8W, 1%, 100PPM
- RES, CHIP, 301, 1/8W, 1%, 100PPM
- RES, CHIP, 3.01K, 1/8W, 1%, 100P
- RES, CHIP, 43.2, 1/8W, 1%, 100PP
- RES, CHIP, 511, 1/8W, 1%, 100PPM
- RES, CHIP, 5.11K, 1/8W, 1%, 100P
- RES, CHIP, 68.1, 1/8W, 1%, 100PP
- RES, CHIP, 6.81K, 1/8W, 1%, 100P
- RES, CHIP, 825, 1/8W, 1%, 100PPM
- SMT, POT, VPC CERM, 100, .2W, 30
- SMT POT, VPC CERM, 10K, .2W, 30%
- SMT POT, VPC CERM, 1.5K, .2W, 30
- SMT POT, VPC CERM, 680, 2W, 30%
- SMT POT, VPC CERM, 6.8K, .2W, 30
- DIODE, SMT, SIL, 400V, 1A, 4004
- SMT TRANSISTOR, NPN, 3904, SOT23
- SMT TRANS, PNP, 40V, 200MA, 3906
- SMT TRANS, PNP, 15V, 25MA, BFT92
- CAP, CHIP, .01UF, 50V, 10%, X7R
- CAP, CHIP, .1UF, 50V, 10%, X7R
- CAP, CHIP, 1500PF, 50V, 10%, X7R
- CAP, CHIP, .001UF, 50V, 10%, X7R
- CAP, CHIP, 100PF, 50V, 5%, NPO
- CAP, CHIP, 22PF, 50V, 5%, NPO
- SMT DIODE, SIL 75V, 100MA, 4148
- SMTIC, CONV, 8BIT, DAC-08E
- SMTIC, MUX, 16PIN, 4052
- SMTIC, NOR, 2-IN, 74HC02
- SMTIC, NAND, 2-IN, 74HC00
- SMTIC, NAND, 2-IN, 74HC132
- SMTIC, COUNTER, BINARY, 74HC393
- SMTIC, F-FLOP, TRI-S, D, 74HC374
- SMTIC, OR, 2-IN, 74HC32
- SMTIC, OP-AMP, QUAD, TL084
- SMTIC, F-FLOP, D, DUAL, 74AC74
- SMTIC, AND, 2-IN, 74HC08
- SMTIC, SW, ANA, 74HC4316
- SMTIC, OP-AMP, HI-SPEED, 6361
- SMTIC, INV, HI-SP, 74HC04
- SMTIC, NOR, 2-IN, ECL, 10H102
- SMTIC, COUNTER, 4BIT, 74ACT161
- SMTIC, MUX, 10F8, 74ACT151
- SMTIC, AND, 2-IN, 74HC08

Schematic References

- IC6,7
- IC8,9
- IC47
- IC67
- IC76
- IC85
- IC3,24,26
- IC23,73,22
- IC59,60,61,62
- IC63
- IC72
- IC64,65
- IC44
- IC103
- IC108
- IC107
- IC36,45
- IC75
- IC109,110,111
- IC54,53,52,51
- C68
- IC104
- IC99
- L4
- IC78,46
- C124,66,64,53,37,59,61,60
- TR1,2,3,4,7,5,6
- R219,217,218
- CR20,19,22,21,24,23,25,26,43,46,41,42
- X1 SQUARE CORNER CLOSE TO C15
- X2
- C69
- IC41
- IC42

Component

- 69G516
- 69G517
- 69G519
- 69G537
- 69G539
- 69G553
- 69G613
- 69G756
- 69G826
- 69G837
- 69G838
- 69G839
- 69G840
- 69G886
- 69G916
- 69G917
- 69G920
- 69G542
- 69G330
- 69G525
- 24G407
- 69G70
- 69G116
- 41G37
- 69G29
- 34G382
- 33G361
- 14C4-330
- 50C4-22
- 69G527
- 47G57
- 24G496
- 69G260
- 69G511

Part Description

- SMTIC, LATCH, OCTAL, 74HCT373
- SMTIC, TRNSCVR, OCTAL, 74HCT245
- SMTIC, PROCESSOR, GRAPHICS, 3401
- SMTIC, MUX, 2-IN, 74ACT157
- SMTIC, AND DRIVER, 2-IN, 74AS100
- SMTIC, NAND, 2-IN, 74ACT00
- SMTIC, AND GATE, 2 INPUT, 74ACT0
- SMTIC, QUAD, 2 IN, EX.OR, 74ACT8
- SMTIC, VRAM, 256KX4, 42C4256
- SMTIC, HEX COUNTER, 10H136, PLCC
- SMTIC, QUAD 2INPUT AND, MC10H104
- SMTIC, 8BIT SHIFT REG, 100341
- SMTIC, PROG FREQ GEN, AV9110
- SMTIC, QUAD, LOWPWR, AMP, EL2444
- SMTIC, DUAL D F-FLOP, MC10H131
- SMTIC, EXCL OR/NOR, MC10H107
- SMTIC, 4BIT SYNC CNTR, 74FCT163
- IC, COLOR PALETTE, ADV476
- IC, BUFFER, PWR AMP, EL2003
- IC, DRAM, 64K X 4, 4067C-10
- CAP, RLYTIC, 47UF, 25V, +/- 20%
- IC, REG, +5V, 500MA, 78M05CT
- IC, REG, -5V, 100MA, 78L05
- RELAY, 4PDT, 12V
- IC, REGC +5V, 100MA, 78L05
- CAP, RLYTIC, 10UF, 16V, 20%
- PTC, 250V, 3A
- RES,CARBON, 33, 1/2W, 5%
- DIODE, ZENER, 6.2V, 765MA, 10%
- IC, OSC, CLOCK, TTL, 40 MHZ
- CRYSTAL, 12 MHZ, MICRO
- CAP, MYLAR, .47UF, 50V, 10%, BULK
- IC, REG, +12V, 1A, TO-220, 7812
- IC, REG, -12V, 1A, 7912

6000 EMI Filter Board
(6000 Board See Block Diagram)

Schematic References

- R1,2
- L1,2
- C1,2

Component

- 14C4-266
- 46G92
- 25G686

Part Description

- RES, CARBON, 22M, 1/2W, 5%
- INC, WIREFORM, 50μH, 1.5A
- AP, DISC, 2200pF, 125VAC, 20%, CSA

Miscellaneous Chassis Parts

Schematic References

- NONE
- NONE
- NONE
- NONE
- NONE

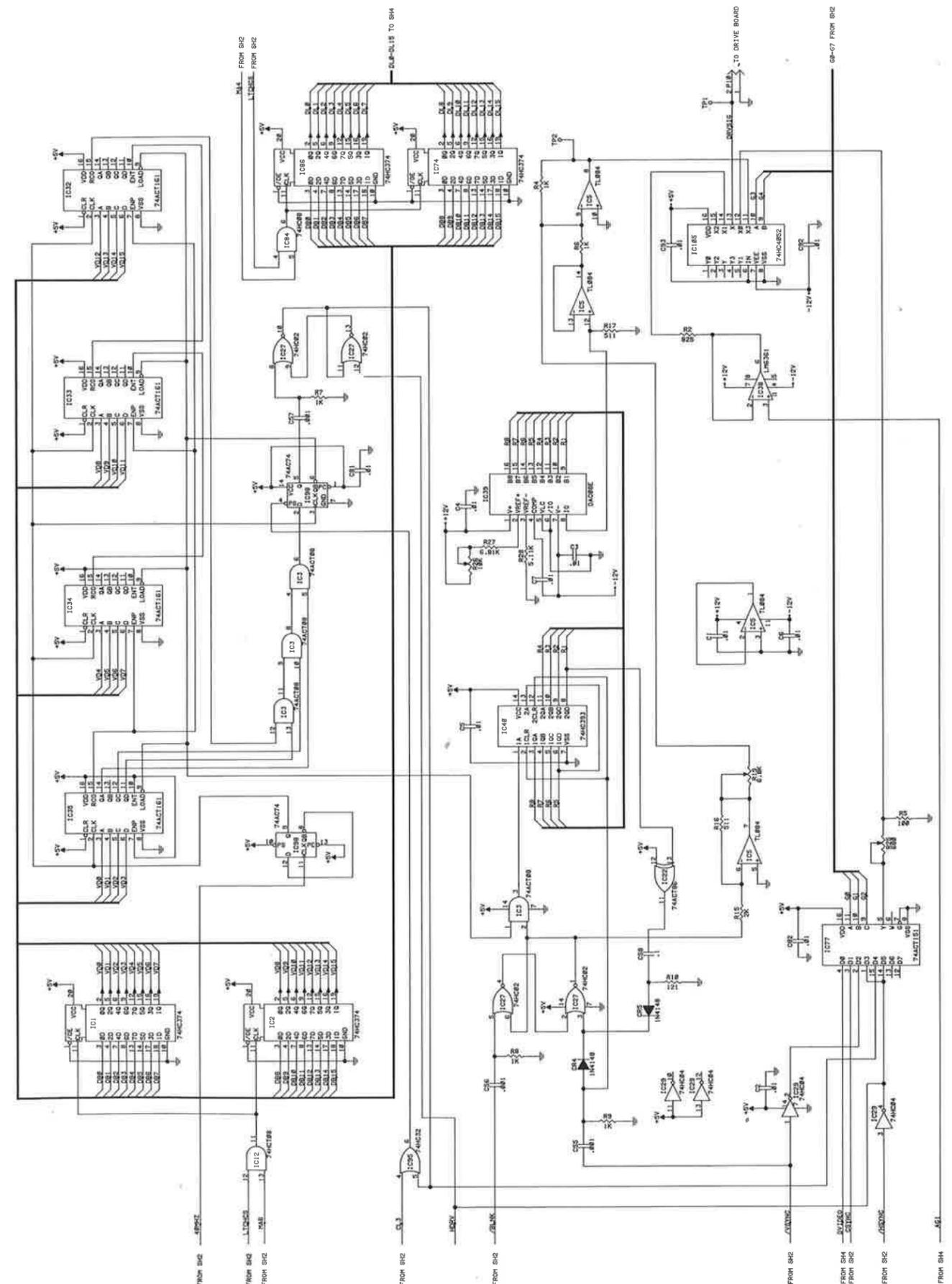
Component

- 128A151
- 68G277
- 126G18
- 64G1433
- 44G20
- 44G18

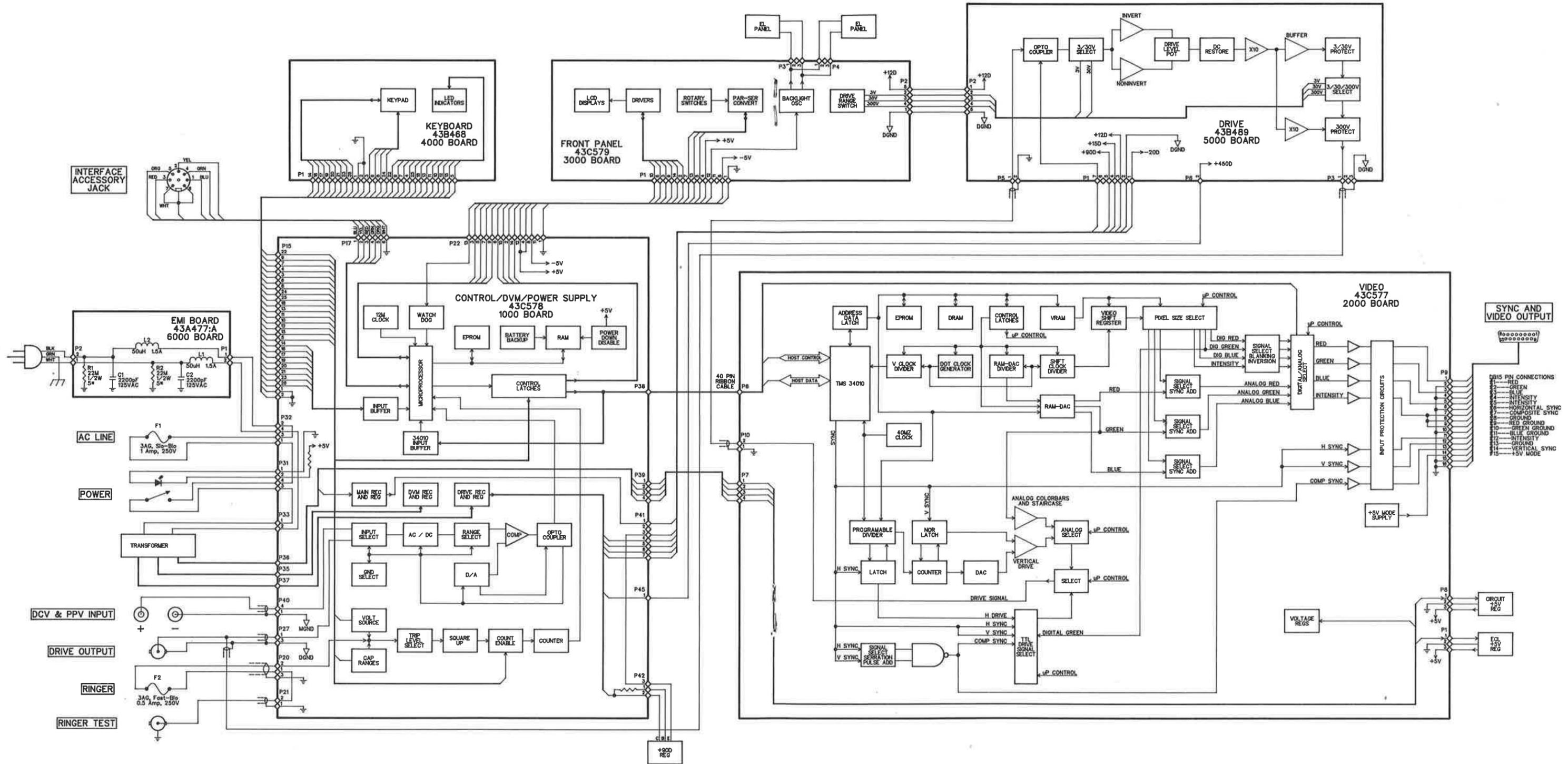
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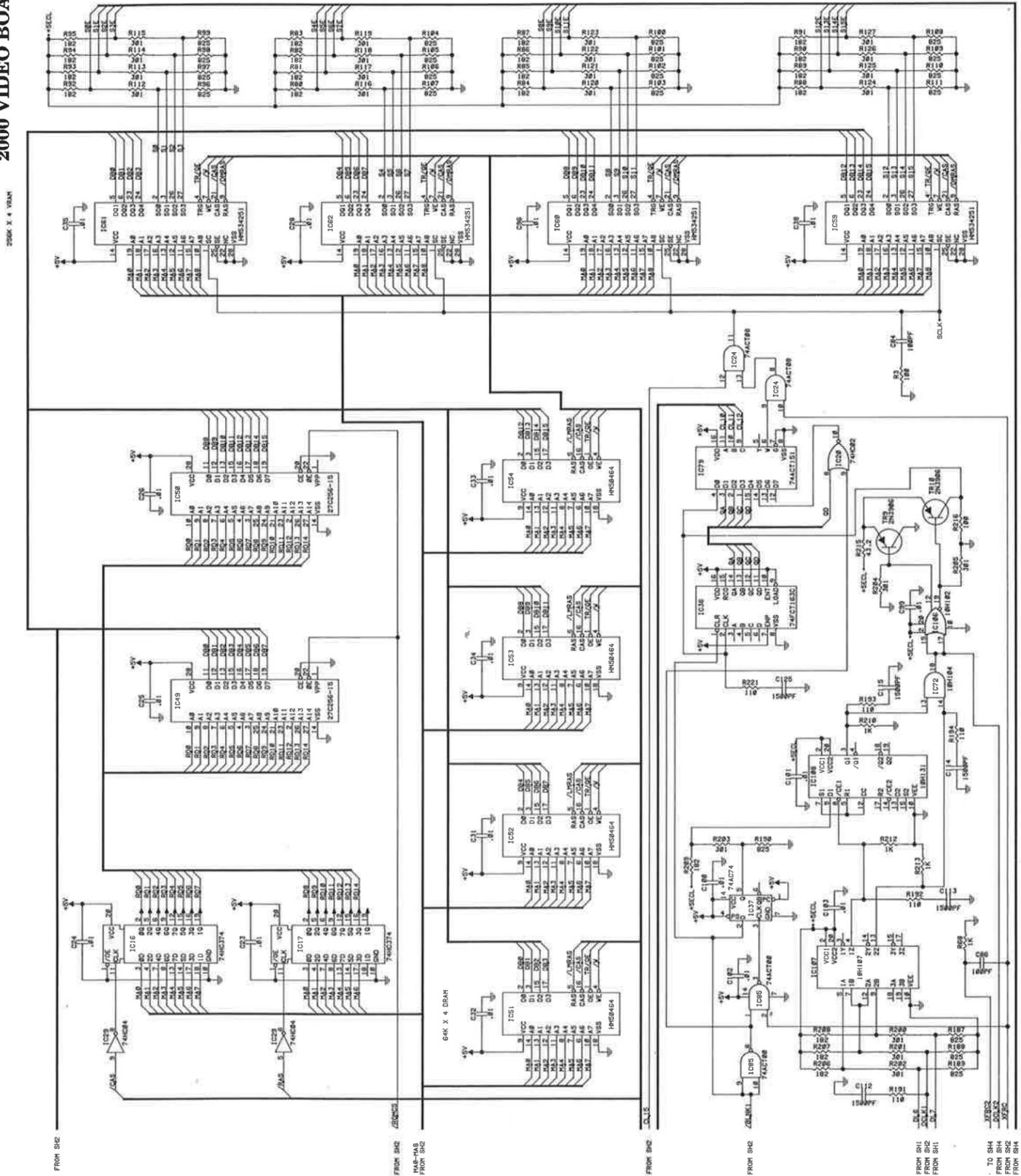
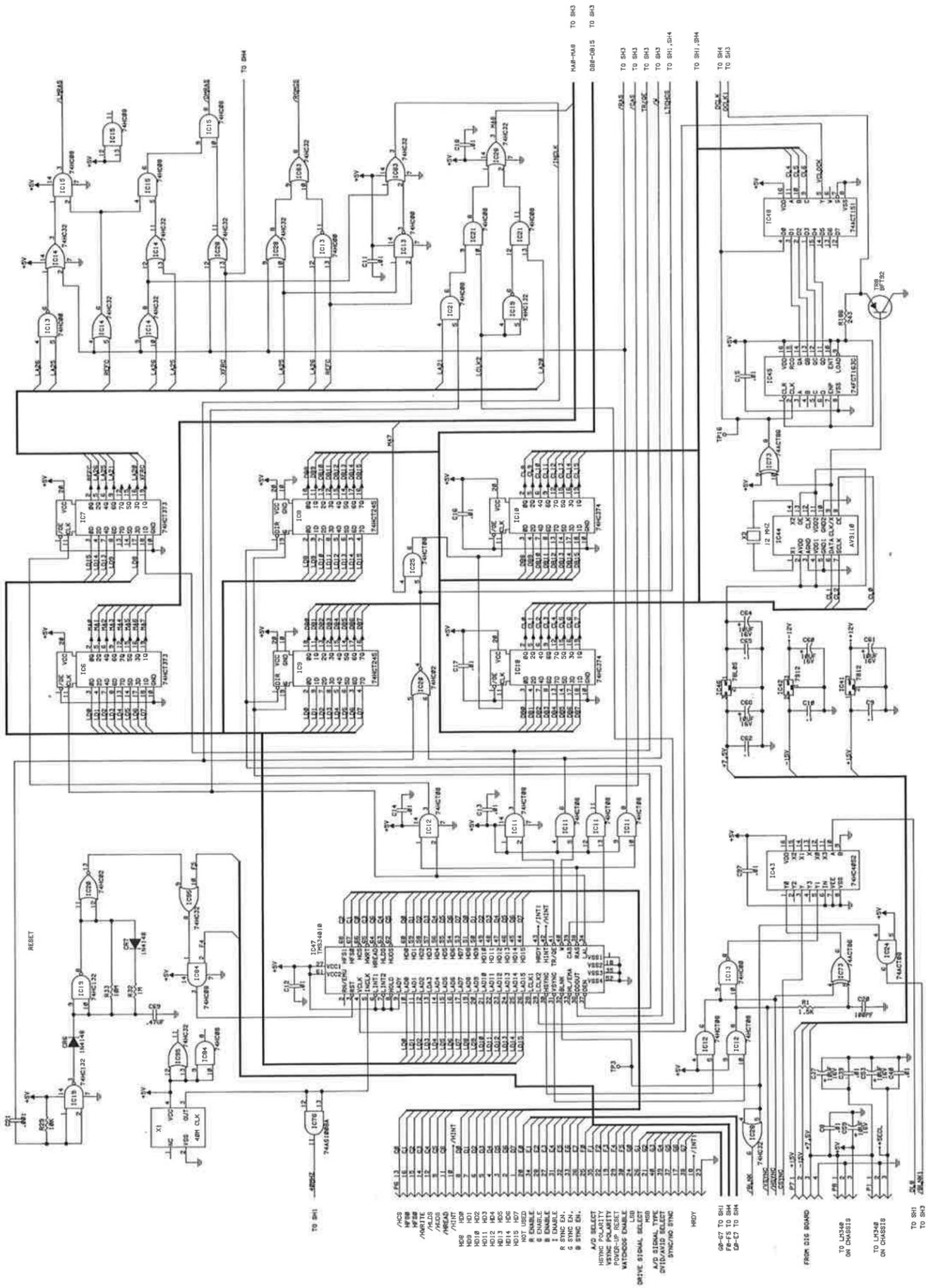
- TRANSFORMER ASSEMBLY
- IC, REG, +5V, 1A, 7805CT
- DIN JACK ASSEMBLY
- FUSEHOLDER, SQ, SNAP-IN, GRAY
- FUSE, FASTBLOW 3AG, 1AMP, 250V
- FUSE, FASTBLOW 3AG. 1/2A, 250V

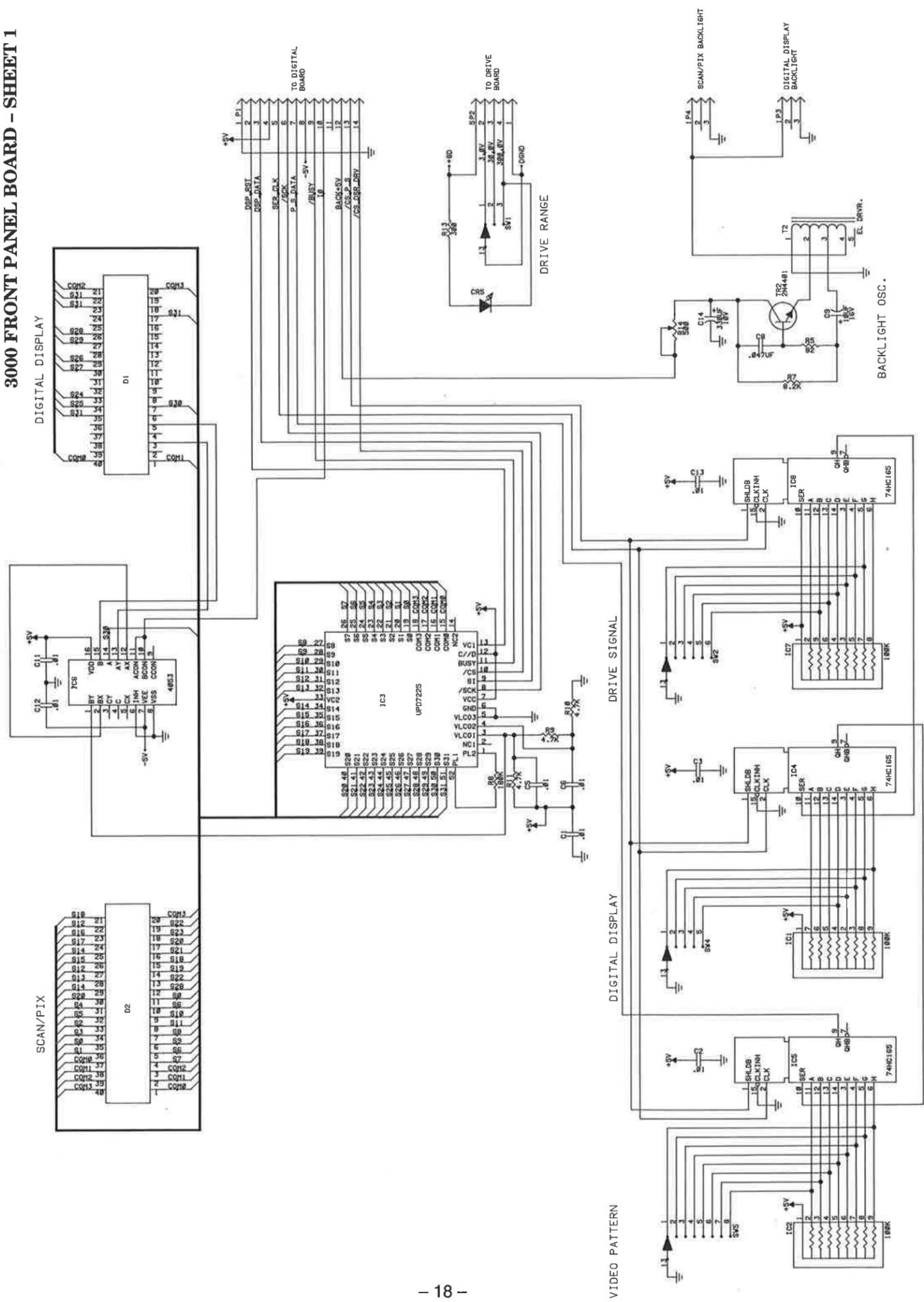
2000 VIDEO BOARD - SHEET 1



Computer Monitor Analyzer CM2125 Block Diagram







Schematic References
3000 Front Panel Board

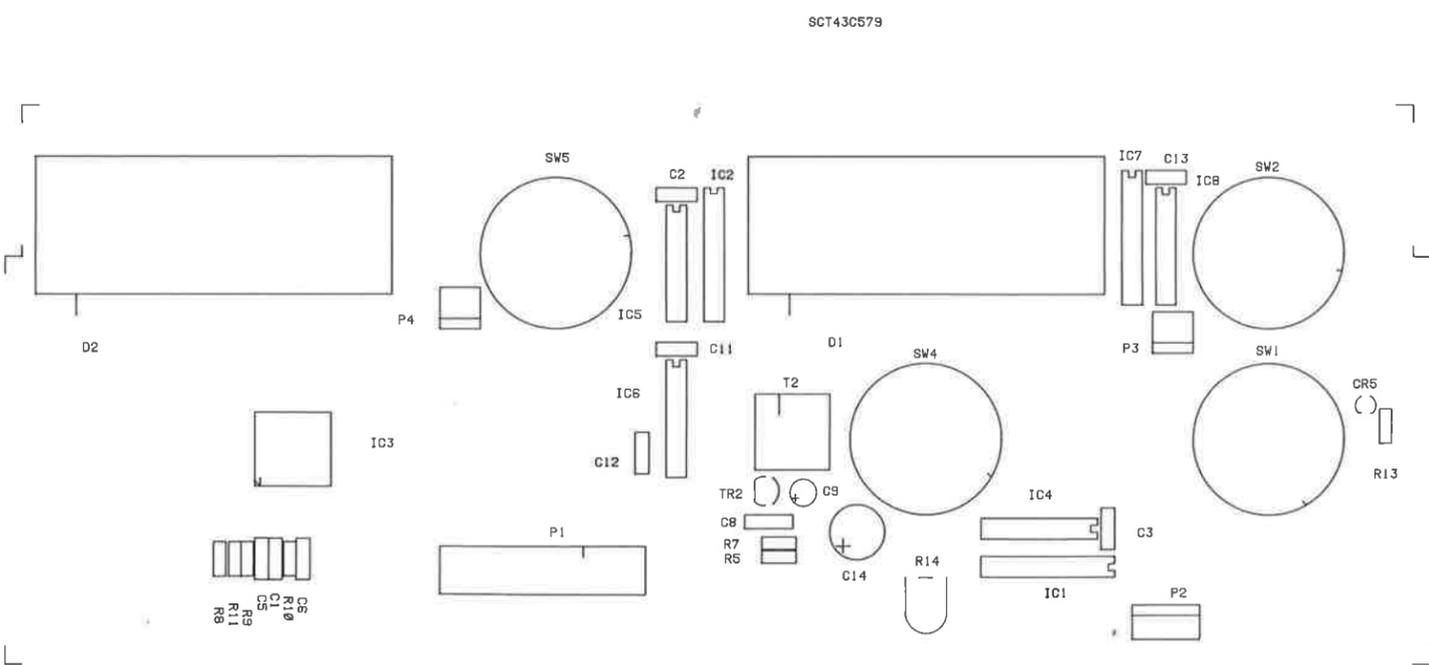
- D1
- SW1,2,4,5
- IC3
- D2
- IC6
- IC5,4,8
- C5,1,6,2,11,12,13,3
- IC2,7,1
- TR2
- C8
- C9
- T2
- C14
- R14
- CR5

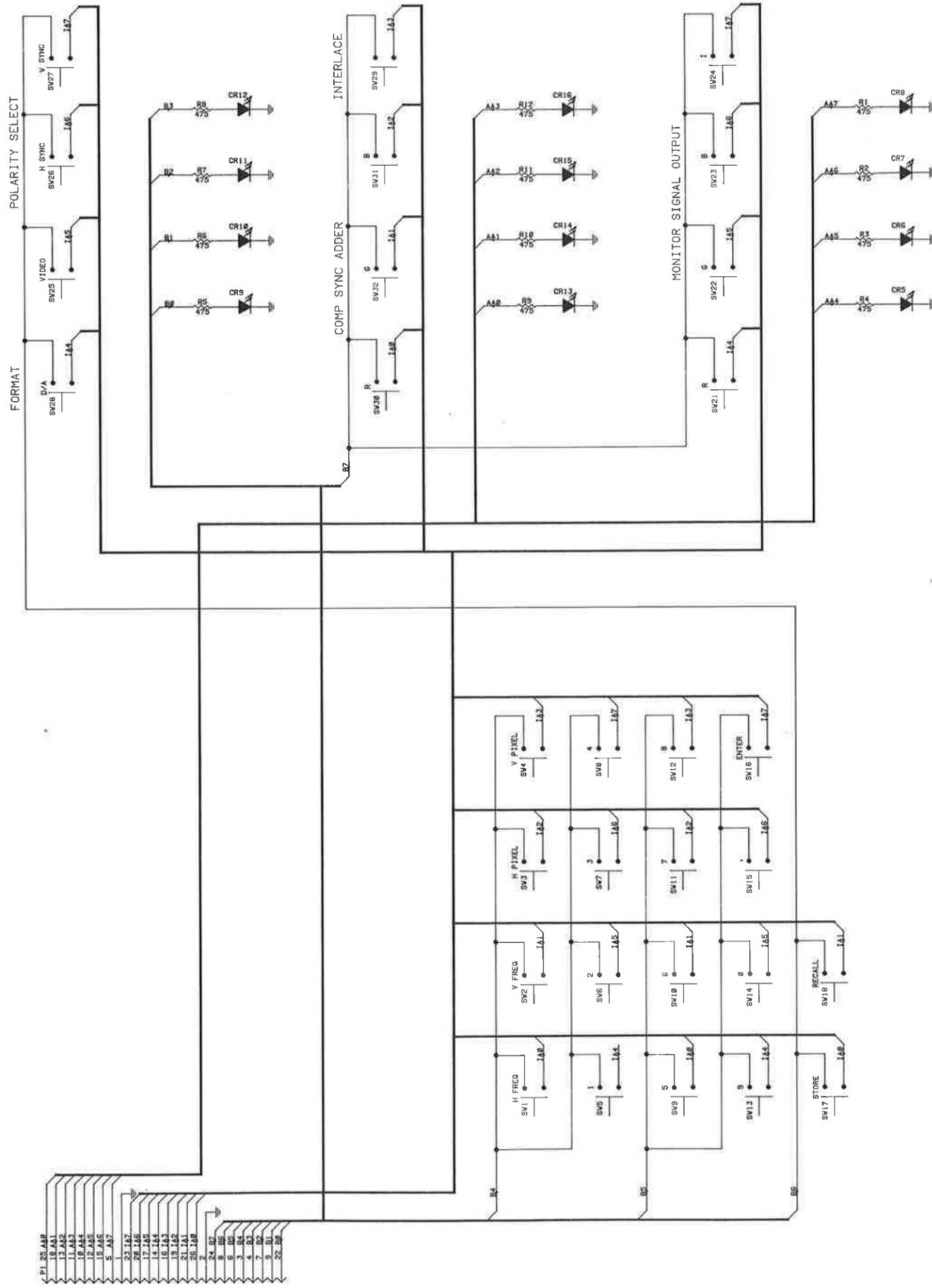
Component

- 23A98
- 25G358
- 69G196
- 23A108
- 69G64-B
- 69G407
- 24G483
- 69G238
- 19A44
- 24G485
- 24G382
- 28G126
- 24G248
- 15A42-7
- 20G20

- LCD, DIGITAL, CM2125
- SWITCH, ROTARY, 1 POLE, 12 POS.
- SMTIC, DRIVER IC, 52 PIN, UPD722
- LCD, SCAN/PIX, CM2125
- IC, SW, TRIPLE, 16PIN, 40538
- IC, SH REG, PAR/SER, 74HC165
- CAP, MYLAR, .01UF, 50V, 5%, 5MM
- IC, RES NET, PULLUP, 8 X 100K
- TRANS, NPN, 40V, 600MA, 2N4401
- CAP, MYLAR, .047UF, 50V, 10%, BU
- CAP, RLYTIC, 10UF, 16V, 20%
- TRANSFORMER, EL BACKLIGHT
- CAP, RLYTIC, 330UF, 10V, 20%
- POT, MVPC, 500, 20%, TOP-BOT ADJ
- LAMP, LED, 5V, 20MA, FLASHING

3000 Front Panel Legend





Schematic References

4000 Keyboard Board

R1,2,3,4,5,6,7,8,9,10,11,12,
CR5,6,7,8,9,10,11,12,13,14,15

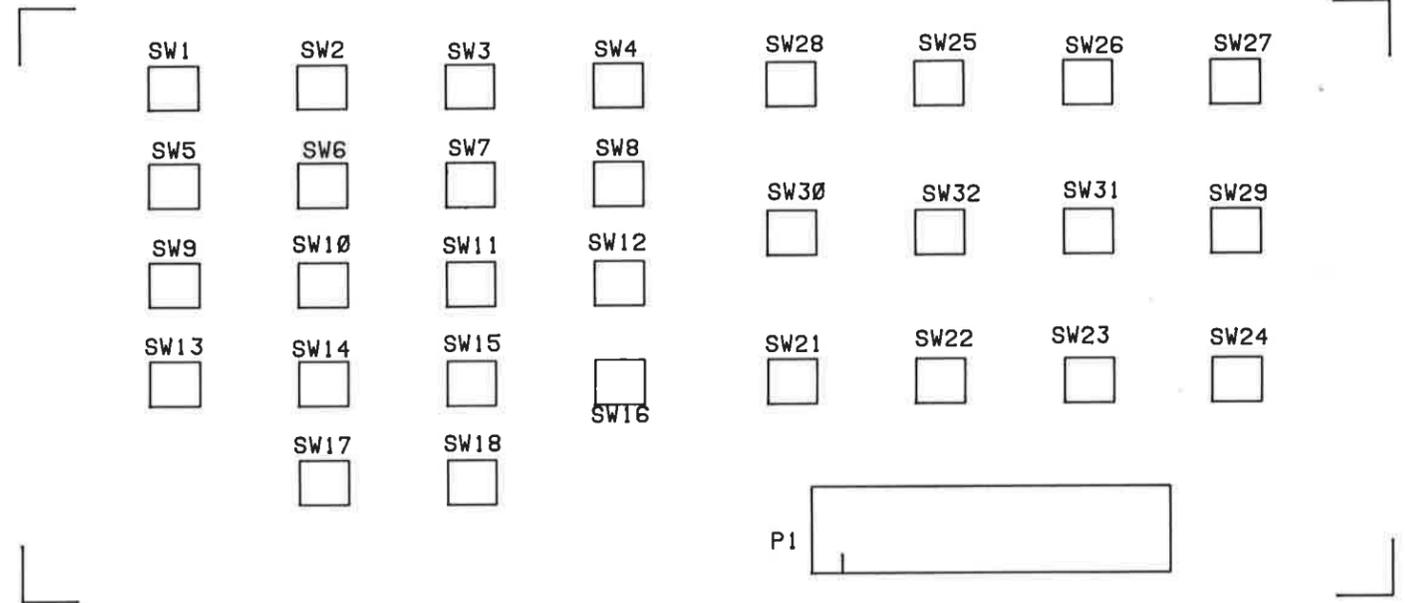
Component

14G102-4752A
20G55

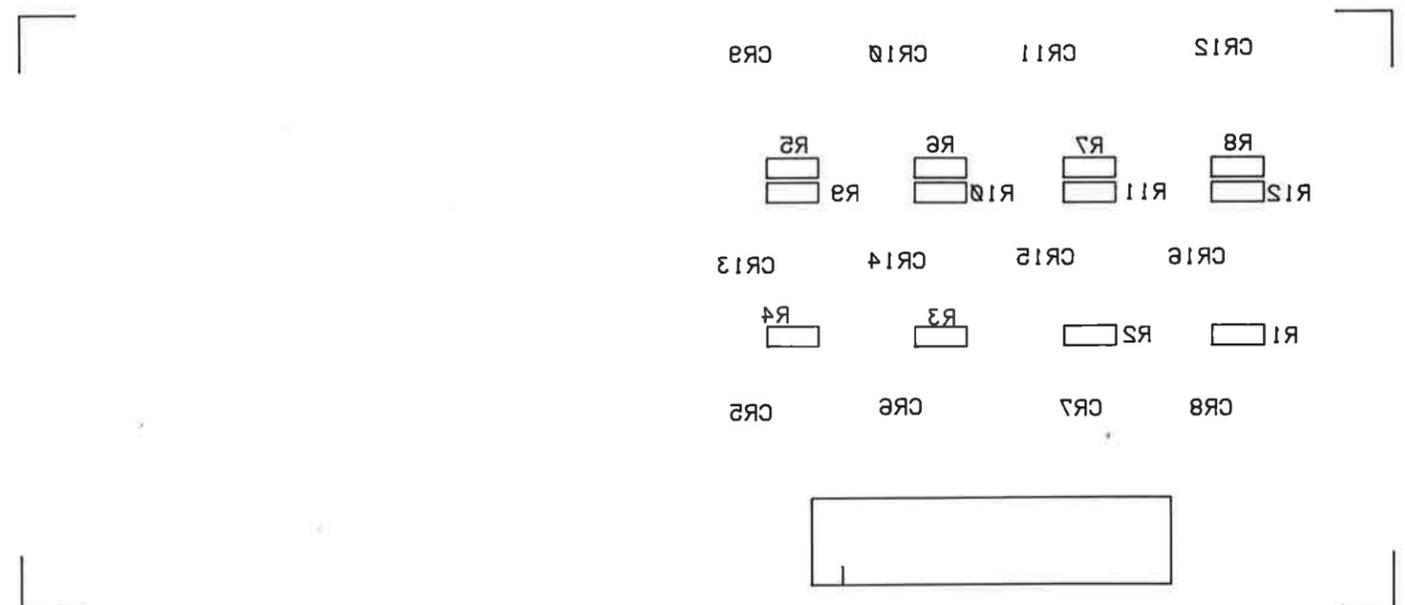
Part Description

RES, CHIP, 475, 1/8W, 1%, 100PPM
SMTLED, RED, 1.8V, 10MA

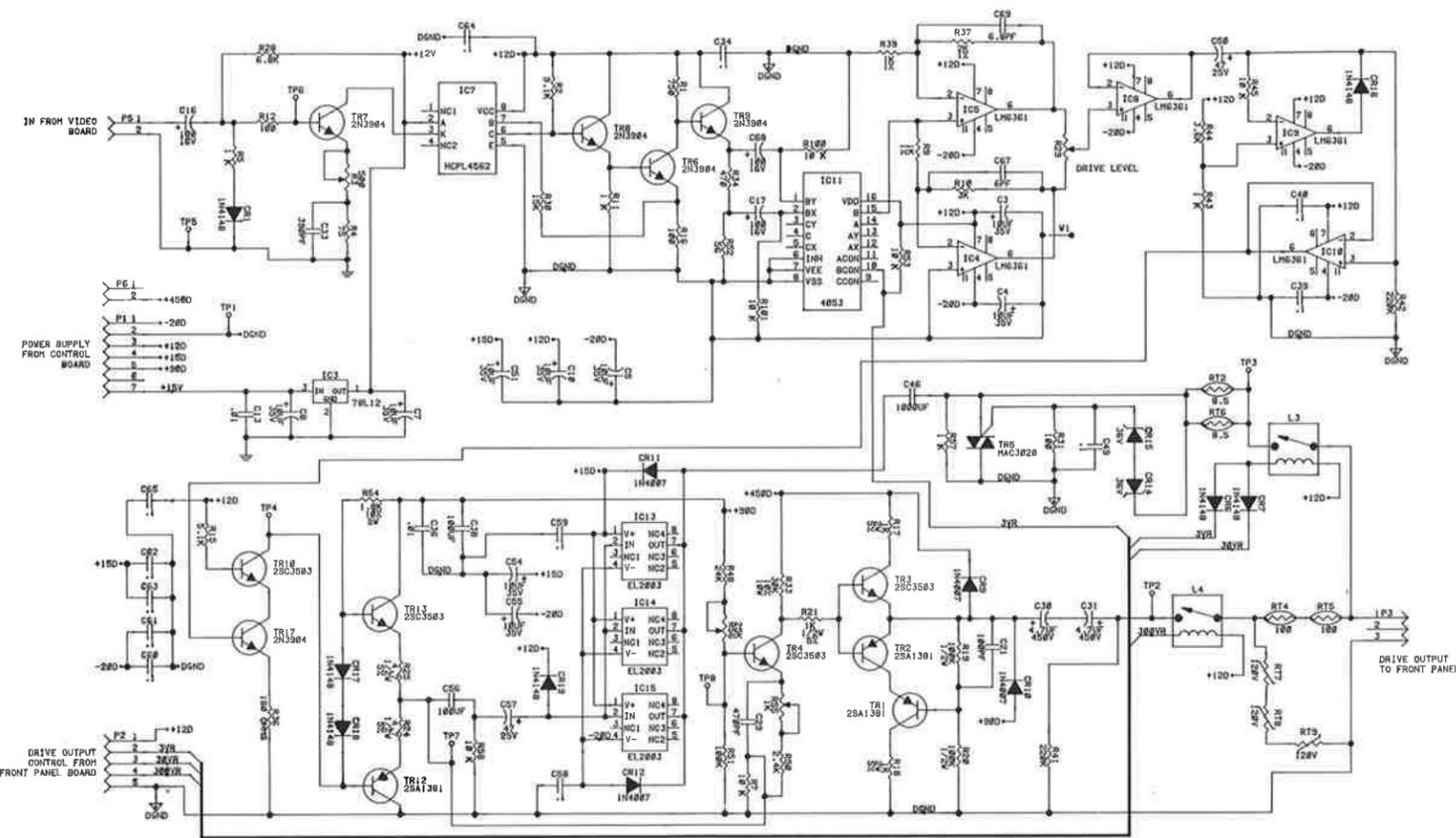
4000 Keyboard Legend (Front)



4000 Keyboard Legend (Back)



5000 DRIVE BOARD - SHEET 1



- C8,7,51,10,5
- C16
- R3
- C33
- TR7
- L4
- L3
- C31,30
- IC13,14,15
- R17,18
- CR11,12,10
- CR14,15
- CR17
- TR6,9,8
- C68
- TR5
- C64,49,63,61,62,60,59
- C54
- C57
- R55
- C29
- R56
- C38,56 CLIP 1/8" PAST THE BOD
- IC11
- IC5,4,9,10,8
- R39,9
- R37
- CR6,7,19,16,18
- C36
- C4,3,55 - CUT NOT CRIMPED
- C34,58,40,65,39
- C69
- C17
- C67
- C50
- TR17
- TR10
- 24G448
- 24G442
- 15C26-3
- 24G464
- 19A33-1
- 41G35
- 41G39
- 24G430
- 69G330
- 14C10-102
- 16G18
- 50C4-10
- 50C5-2:A
- 19A33-1
- 24G442
- 50G26
- 24G482
- 24G448
- 24G407
- 15C26-15
- 24G119
- 15C26-26
- 24G498
- 69G64-B
- 69G401
- 14A38-1003A
- 14A38-2003A
- 50C5-2:A
- 24G126
- 24G448
- 24G482
- 24G138
- 24G442
- 24G154
- 24G407
- 19A33-1
- 19G110
- CAP, RLYTIC, 10UF, 35V, +/- 20%
- CAP, RLYTIC, 100UF, 16V, +/- 20%
- POT, MVPC CERM, 500, 1/2W, 20%
- CAP, DISC, 120PF, 500V, 5%, NPO
- TRANS, NPN, 40V, 200MA, 2N3904
- RELAY, REED, HE3321A1200
- RELAY REED, 712-12
- CAP, RLYTIC, 4.7UF, 450V, +/- 20
- IC, BUFFER, PWR AMP, EL2003
- RES, CARBON, 1K, 2W, 5%
- DIODE, SILICON, 1KV, 1A, 10UA, 4
- DIODE, ZENER, 36V, 30MA, 10%, 47
- DIODE, SIL, 75V, 100MA, .25UA, 4
- TRANS, NPN, 40V, 200MA, 2N3904
- CAP, RLYTIC, 100UF, 16V, +/- 20%
- TRIAC, 25A, 400V, 3020-25
- CAP, MYLAR, .1UF, 50V, 5%, 5MM
- CAP, RLYTIC, 10UF, 35V, +/- 20%
- CAP, RLYTIC, 47UF, 25V, +/- 20%
- POT, MVPC CERM, 1K, 1/2W, 20%
- CAP, DISC, 470PF, 500V, 10%
- POT, MVPC CERM, 25K, 1/2W, 20%
- CAP, RLYTIC, 100UF, 100V, N-POLA
- IC, SW, TRIPLE, 16 PIN, 40538
- IC, OP-AMP, HI-SPEED, LM6361
- RES, MET.F, 1K, 1/4W, 1%, 100PPM
- RES, MET.F, 2K, 1/4W, 1%, 100PPM
- DIODE, SIL, 75V, 100MA, .25UA, 4
- CAP, DISC, .01UF, 200V, 20%, Z5U
- CAP, RLYTIC, 10UF, 35V, +/- 20%
- CAP, MYLAR, .1UF, 50V, 5%, 5MM
- C65 THE LEGEND IS UPSIDE DOWN
- CAP, DISC, 6.8PF, 500V, 10%, NPO
- CAP, RLYTIC, 100UF, 16V, +/- 20%
- CAP, DISC, 6PF, 500V, +/- .5PF,
- CAP, RLYTIC, 47UF, 25V, +/- 20%
- TRANS, NPN, 40V, 200MA, 2N3904
- TRANS, NPN, 300V, 72, 2SC350

Schematic References
5000 Drive Board

- TR1,2,12 SUB-ASSEMBLY
- TR3,4,13 SUB-ASSEMBLY
- C46 SUB-ASSEMBLY
- R29 SUB-ASSEMBLY
- CR25 ADD-ON
- SUB-ASSEMBLY
- R54 INSTALL AND CLIP LEADS
- R33 INSTALL AND CLIP LEADS
- RT9,8,7 INSTALL AND CLIP LEAD
- RT5,4 INSTALL AND CLIP LEADS
- RT6,2 INSTALL AND CLIP LEADS
- IC7
- CR1
- CR9
- R19,20
- R21
- C21
- C13
- IC3

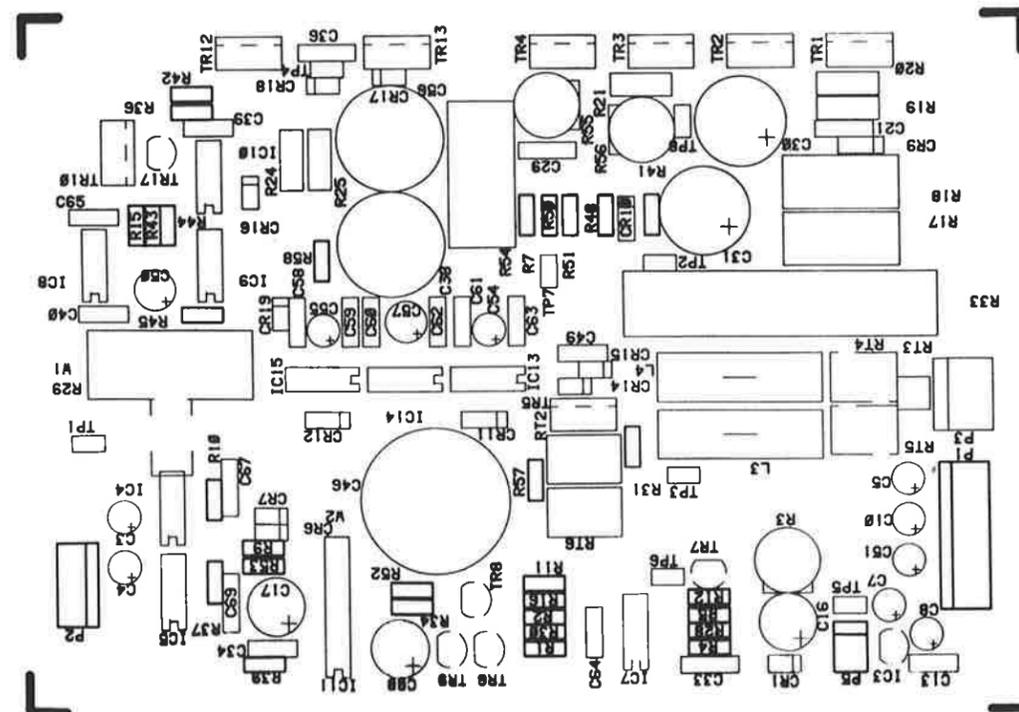
Component

- 19G107
- 19G110
- 24G631
- 15B56
- 50C5-2:A
- 19A29-3
- 14A94-5
- 14G105-1
- 33G273
- 33G285
- 33G333
- 69G412
- 50C5-2:A
- 16G18
- 14C4-104
- 14C4-102
- 24G70
- 24G483
- 69G127

Part Description

- TRANS, PNP, 300V, 7W, 2SA1381
- TRANS, NPN, 300V, 7W, 2SC3503
- CAP, RLYTIC, 1000UF, 63V, 20%, N
- POT, HPC CARB, 10K, 1/2W, 30%
- DIODE, SIL, 75V, 100MA, .25UA, 4
- TRANS, NPN, 80V, 3A, MJE182
- RES, W/W, 1.8K, 5W, 5%
- RES, W/W, 30K, 10W, 5%
- MOV, 120V, 10%
- THERMISTOR, 100-OHM, @25 DEG. C
- THERMISTOR, 8.5 OHM, 600V
- IC, OPTOCOUPLER, HCPL-4562
- DIODE, SIL, 75V, 100MA, .25UA, 4
- DIODE, SILICON, 1KV, 1A, 10UA, 4
- RES, CARBON, 100K, 1/2W, 5%
- RES, CARBON, 1K, 1/2W, 5%
- CAP, DISC, 100PF, 500V, 5%, NPO
- CAP, MYLAR, .01UF, 50V, 5%, 5MM
- IC, REG, +12V, 100mA, 78L12

5000 Drive Board Legend



CM2125

Computer Monitor Analyzer

Parts List & Schematic

Notes:

1. All resistors not listed are carbon, 5%, 1/4 watt, and axial leaded.
2. Other components not listed are standard replacement parts and may be purchased locally.
3. When ordering parts, please specify instrument model number, schematic reference, part number, and description. Please include remittance (check or money order) with your order, otherwise invoice will be shipped C.O.D. Minimum billing is \$15.



WARNING

Avoid damage to parts caused by static electricity.

Most solid-state devices and film resistors are susceptible to damage due to discharge of electricity. Observe the following precautions when a PC board is removed from the unit, or when handling components.

1. The person handling the part must be grounded through a 1 megohm resistor via a wrist strap or similar ground collection.
2. A PC board or component should never be placed on an insulated surface. The surface must be ground (through a 1 megohm resistor) and conductive.
3. All replacement parts must be left in a completely enclosed, conductive container or package until ready for use. The person removing the part from the container must be properly grounded. All parts susceptible to static damage are shipped in conductive containers when ordered from the Sencore Service Department.

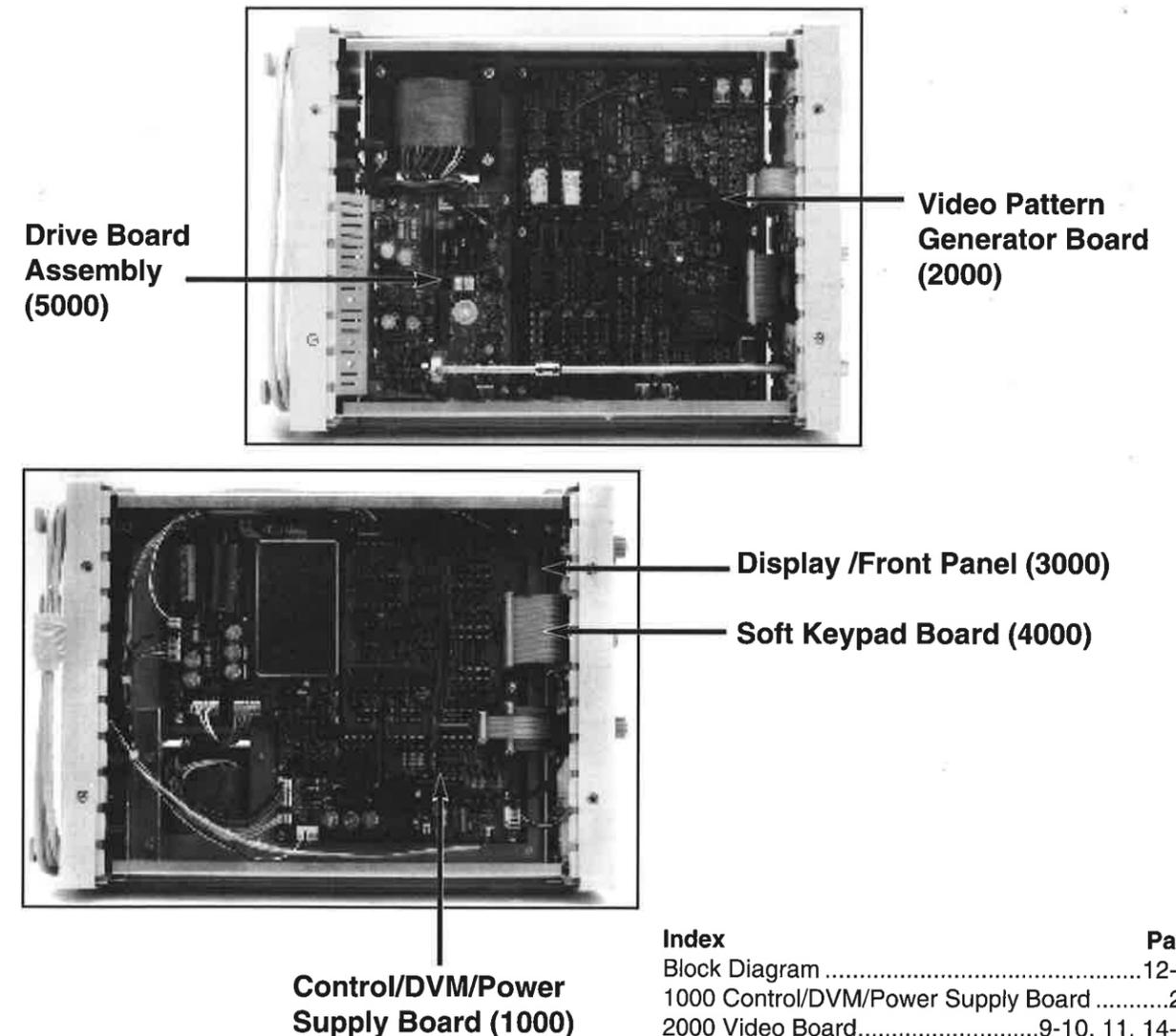


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Index	Page
Block Diagram	12-13
1000 Control/DVM/Power Supply Board	2-8
2000 Video Board.....	9-10, 11, 14-17
3000 Front Panel	18-19
4000 Keyboard Board.....	20-21
5000 Drive Board.....	22-23
6000 EMI Board.....	10
Miscellaneous Parts List.....	10

This booklet contains schematic, board legend, and parts list for each board.