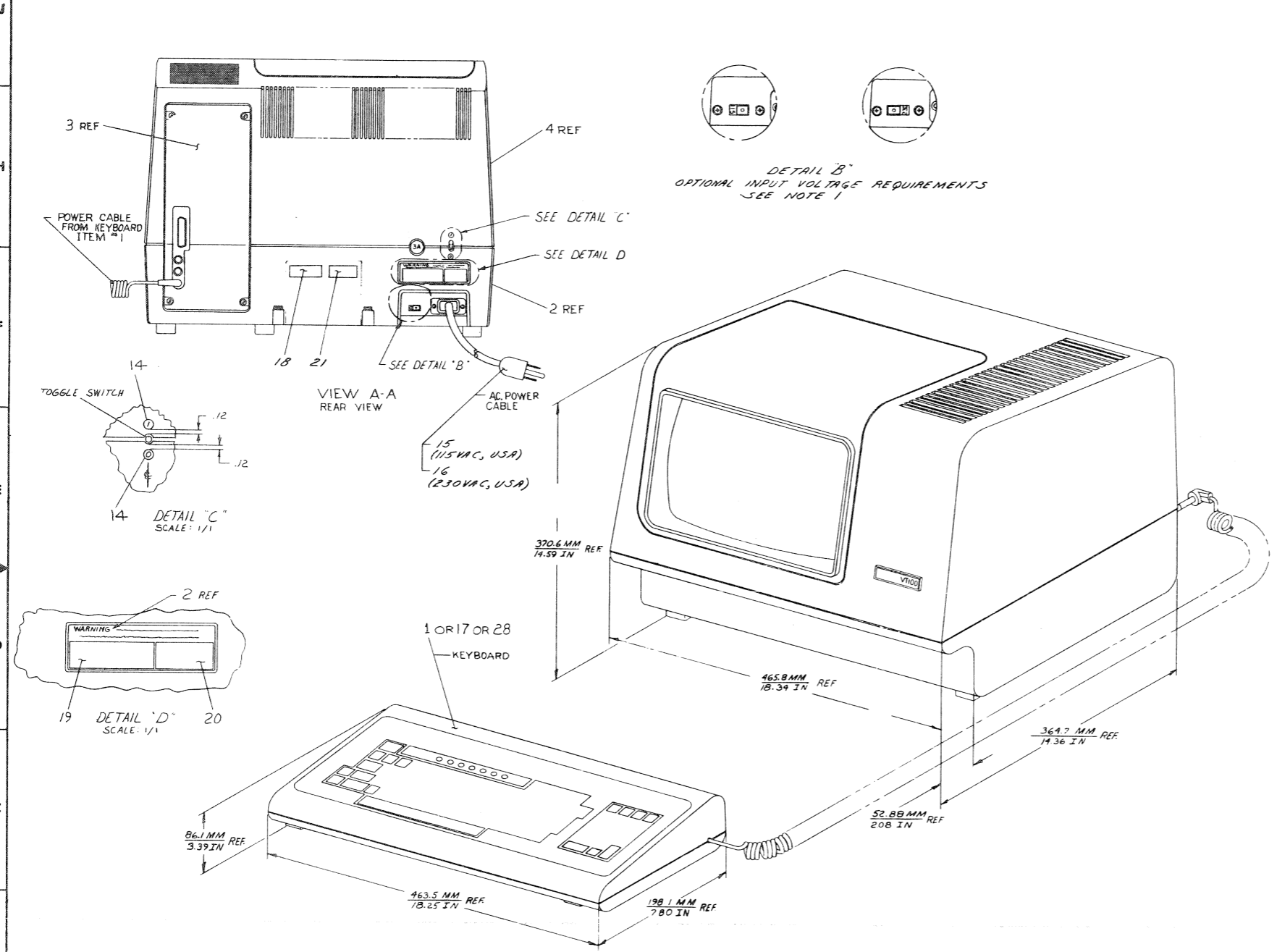


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NOTE:
 1. ALL VT100 UNIVERSAL TERMINALS ARE SHIPPED SET UP FOR 100-130 VAC, 60 HZ OPERATION. TERMINAL IS SWITCH SETTABLE FOR 220-240 VAC, 50/60 HZ OPERATION BY SLIDING ACTUATOR TO POSITION SHOWN IN DETAIL 'B'.
 2. PACKAGING: WHEN SHIPPED, MATERIAL SHALL BE ADEQUATELY PROTECTED FROM HANDLING AND SHIPPING DAMAGE USING DIGITAL PACKAGING INSTRUCTION A-SP-3700324-0-0.
 3. TERMINAL IS SUPPLIED WITHOUT INTERFACE CABLES. ORDER INTERFACE CABLES FOR OPTIONS VT100-AA THRU VT100-DC.
 4. VARIATIONS OF THE ADVANCED VIDEO OPTION MODULE ARE INCLUDED AS STANDARD EQUIPMENT ON THE FOLLOWING VT100 VARIATIONS:

| VT 100 VAR | ITEM NUMBER | MODULE PART NUMBER |
|------------|-------------|--------------------|
| -WA | 29 | 5413097-01 |
| -WB | 29 | 5413097-01 |

5. FLYBACK TRANSFORMER FOR ALTERNATE MOUNTING. BALL BROTHERS 304590-0-0 IS INSTALLED TO CHASSIS USING 3009967-00 SCREWS QTY 2, AND CRT IS GROUNDED USING C-100-7819836-00 RETAINERS QTY 2.
 6. SCREWS ITEM #31 FOR SHIPPING USE ONLY.



DETAIL 'B'
 OPTIONAL INPUT VOLTAGE REQUIREMENTS
 - SEE NOTE 1

VIEW A-A
 REAR VIEW

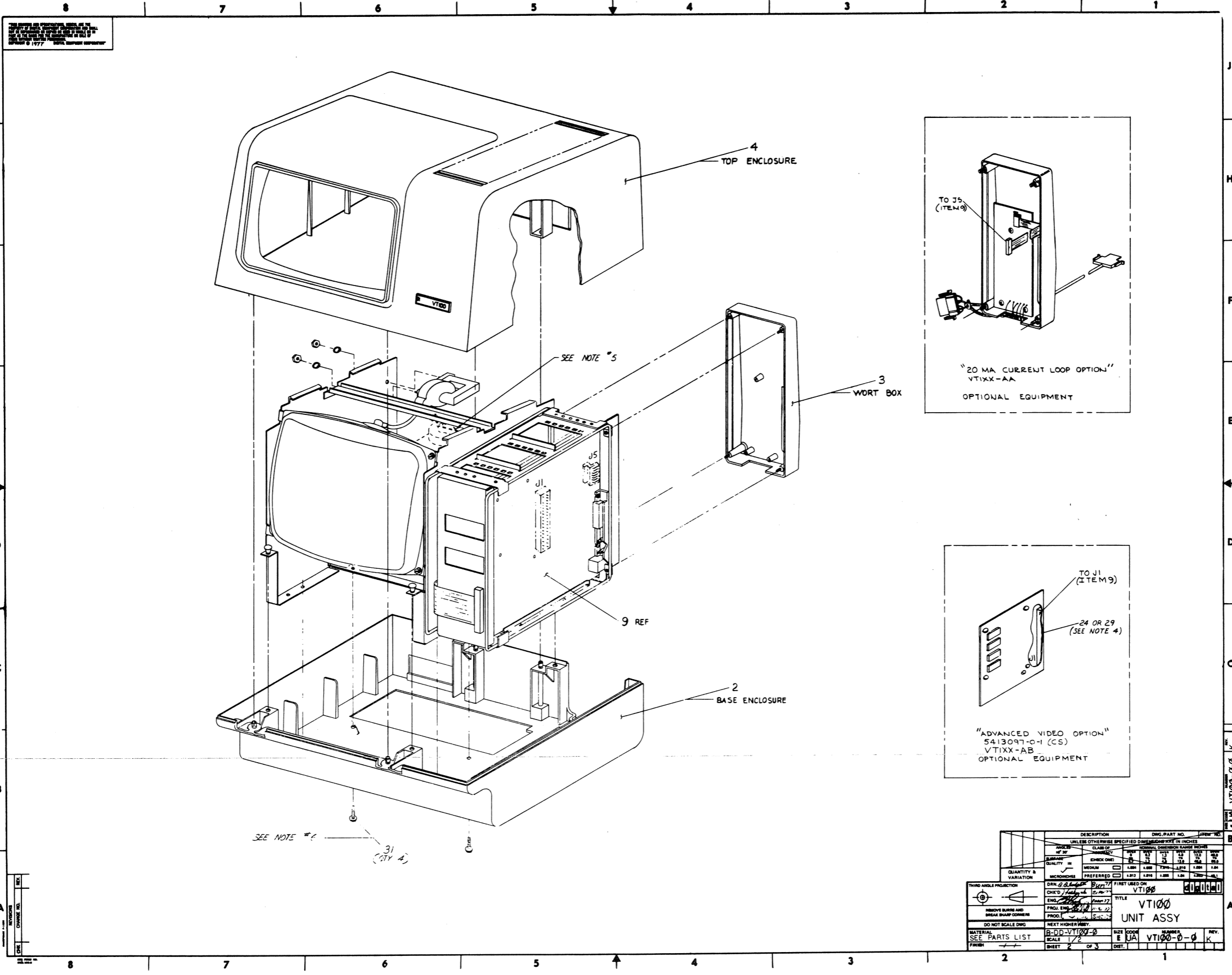
DETAIL 'C'
 SCALE: 1/1

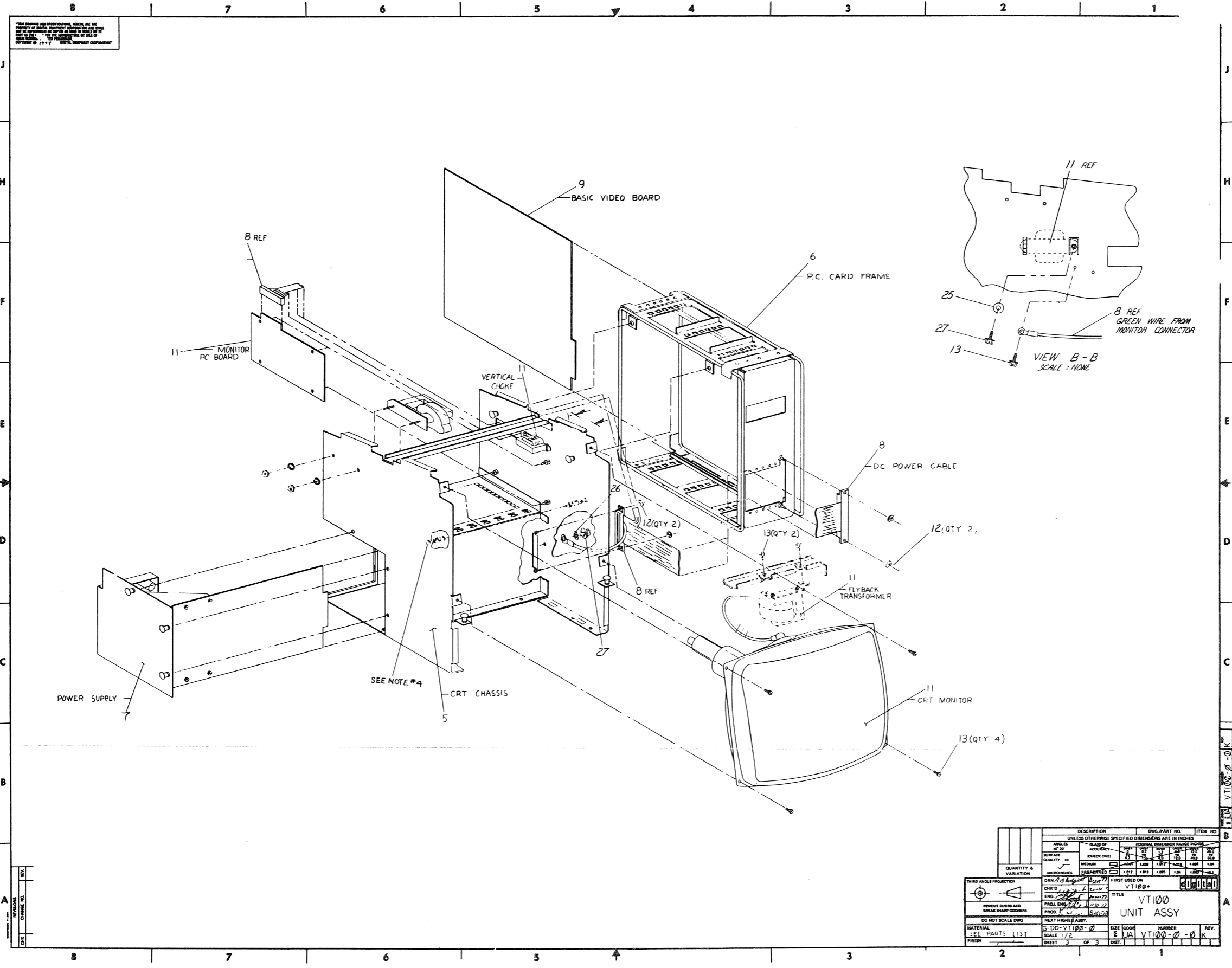
DETAIL 'D'
 SCALE: 1/1

OFF SHEET PARTS LIST EXISTS
 SET C-PL-VT100-0-0

| REV. | DESCRIPTION | DATE | BY | CHKD. |
|------|-------------------------------------------|----------|----------|----------|
| 1 | ISSUED FOR PRODUCTION | 11/27/77 | J. BITTO | J. BITTO |
| 2 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 3 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 4 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 5 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 6 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 7 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 8 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 9 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 10 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 11 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 12 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 13 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 14 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 15 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 16 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 17 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 18 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 19 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 20 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 21 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 22 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 23 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 24 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 25 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 26 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 27 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 28 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 29 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 30 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 31 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 32 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 33 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 34 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 35 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 36 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 37 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 38 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 39 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 40 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 41 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 42 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 43 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 44 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 45 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 46 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 47 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 48 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 49 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |
| 50 | REVISED TO REFLECT CHANGES TO THE DRAWING | 11/27/77 | J. BITTO | J. BITTO |

| DESCRIPTION | | DRWG. PART NO. | ITEM NO. |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------|----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | |
| ANGLE | CLASS OF ACCURACY | | |
| 1/2° | 1 | | |
| SURFACE QUALITY | FINISH | | |
| AS SHOWN | 1 | | |
| QUANTITY & VARIATION | PREFERRED | | |
| | 1, 2, 3, 4, 5, 6, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100, 150, 200, 300, 400, 500, 600, 700, 800, 900, 1000 | | |
| FIRST USED ON | | | |
| VT100 | | | |
| TITLE | | | |
| VT100 UNIT ASSY | | | |
| SCALE | | | |
| 1:1 | | | |
| SHEET | | | |
| 1 OF 3 | | | |





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| DESCRIPTION | | QTY | UNIT | ITEM NO. |
|-----------------------------------------------------|----------------|----------|------|----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | |
| ANGLE | SCALE OF | 1:1 | | |
| SURFACE QUALITY | CHECK ONE | AS SHOWN | | |
| QUANTITY & VARIATION | QUANTITY | 1 | | |
| THIRD ANGLE PROJECTION | PROJ. ENG. | 5/2/77 | | |
| REMOVE BURRS AND BREAK SHARP CORNERS | PROJ. ENG. | 5/2/77 | | |
| DO NOT SCALE DIMS | PROJ. ENG. | 5/2/77 | | |
| MATERIAL | SEE PARTS LIST | | | |
| FRESH | | | | |

| DESCRIPTION | QTY | UNIT | ITEM NO. |
|-----------------|-----|------|----------|
| VT100 UNIT ASSY | 1 | | 1 |

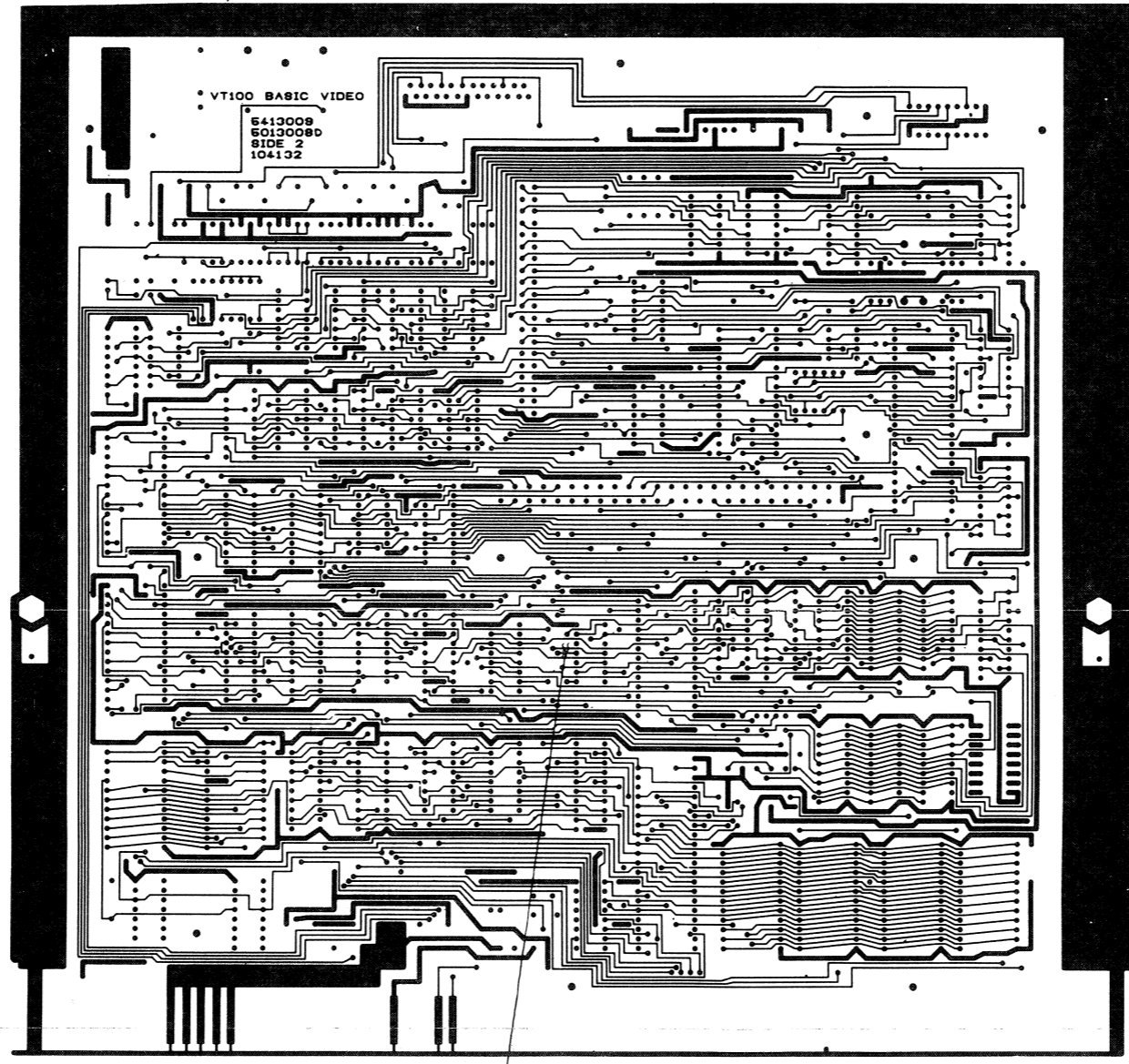
| REV. | DATE | BY | CHKD. | APP. |
|------|------|----|-------|------|
| 1 | | | | |

CHG
REV
DATE

VT100-0-0K

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A



| REVISIONS | | |
|-----------|------------|-----|
| CHK | CHANGE NO. | REV |
| | | |

| | | | | | |
|-------|-------------------|-------|--------|--------|--|
| TITLE | VT100 BASIC VIDEO | DATE | | NUMBER | |
| SCALE | 2:1 | SHEET | 3 of 3 | DIST | |
| | | | | | |

8 7 6 5 4 3 2 1

| LINE ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY PER VARIATION 00 | REFERENCE DESIGNATOR |
|-----------|------------------|-------------|----------------------------------|-------------------------|----------------------------------------------------|
| 1 | D-MD-5013008-0-0 | 5013008-00 | VT100 BASIC VIDEO | 1 | |
| 2 | | 1000005-00 | 6.8 MMF 100V 5%200PPM DM15S | 1 | C9 |
| 3 | | 1000014-00 | 68.0 MMF 100V 5%200PPM DM15S | 1 | C11 |
| 4 | | 1000016-00 | 100.0 MMF 100V 5%200PPM DM15S | 2 | C21,C48 |
| 5 | | 1000076-00 | 39 MFD 10V 10% 150D S.TA | 1 | C10 |
| 6 | | 1001610-01 | .01 MFD 100V -20+80 Z5U DISC | 3 | C16,C17,C23 |
| 7 | | 1005306-00 | 6.8MFD 35V 10% S.TANT | 3 | C1,C2,C3 |
| 8 | | 1010274-01 | .22 MFD 50V -20+80 Z5U CER | 10 | C4-C6,C14,C15,C27-C29,C44,C45 |
| 9 | | 1012784-00 | .047 MFD 50V -20+80 CER | 23 | C7,C8,C13,C18,C19,C20,C22,C24, CONT C25,C30-C43 |
| 10 | | 1013466-12 | 2200.0 MMF 50V 10% | 1 | C26 |
| 11 | | 1100114-00 | D 664 QS\75PCB PIV= 25V SP | 11 | D4-D8,D11-D16 |
| 12 | | 1105796-00 | 1N 4004 PIV=400 I= 1A D041 SP | 2 | D9,D10 |
| 13 | | 1109502-02 | 1N 4742A VZ= 12.0 5% 1W | 1 | D3 |
| 14 | | 1110994-00 | 1N 751A VZ= 5.1 5% .40W | 1 | D1 |
| 15 | | 1114974-00 | 1N 4741A VZ= 11.0 5% 1W | 1 | D2 |
| 16 | | 1215006-06 | SOCKET 24PIN IC LOW PROFILE | 5 | XE9,XE40,XE45,XE52,XE56 |
| 17 | | 1211666-00 | SOCKET 18PIN IC LOW PROFILE | 1 | J2 |
| 18 | | 1214063-01 | HEADER,150 50POS STRAIGHT | 1 | J1 |
| 19 | | 1214828-00 | CONN, 25POS RCPT | 1 | J4 |
| 20 | | 1214829-00 | CONN 40POS RT ANGLE | 1 | J3 |
| 21 | | 1215048-01 | CONN 7POS RT ANGLE | 1 | J5 |
| 22 | | 1300005-07 | R NETWORK 15-4.7K RESISTORS 5% 1 | 3 | E8,E12,E59 |
| 23 | | 1300219-00 | 68 1/4W 5% CC | 1 | R40 |
| 24 | | 1300229-00 | 100 1/4W 5% CC | 1 | R34 |
| 25 | | 1300250-00 | 150 1/4W 5% CC | 1 | R51 |
| 26 | | 1300271-00 | 220 1/4W 5% CC | 1 | R41 |
| 27 | | 1300295-00 | 330 1/4W 5% CC | 3 | R1,R46,R47 |
| 28 | | 1300315-00 | 470 1/2W 5% CC | 1 | R11 |
| 29 | | 1300316-00 | 470 1/4W 5% CC | 2 | R21,R55 |

| REVISION HISTORY | | BASIC PART NO: 5413009 | | DRN: | T. SHETRAWSKI | DATE: | 30-MAR-78 | DIGITAL | | | |
|------------------|---------------|------------------------|--------------------------|------------------|---------------|----------------------|-----------|-------------------|------------|---------------|-----|
| ENG | ECD NUMBER | REV | SECTION A OF A | CHK'D: | T. SHETRAWSKI | DATE: | 11-MAR-78 | TITLE | PARTS LIST | | |
| --- | INIT | B | SECTION, VARIATION INDEX | CHK'D: | T. SHETRAWSKI | DATE: | 11-MAR-78 | VT100 BASIC VIDEO | | | |
| LT | ML001 | C | [A] 00 | | | | | | | | |
| R.P | 5413009-ML002 | D | [B] | | | | | | | | |
| N.F | 5413009-ML004 | F | [C] | DES.ENG: | D. PUCCI | DATE: | 30-MAR-78 | | | | |
| R.P | 5413009-ML005 | H | [D] | | | | | | | | |
| RP | 5413009-PN006 | J | [E] | | | | | DOCUMENT NUMBER | | | |
| RP | 5413009-PN007 | K | [F] | RESP.ENG.: | D. PUCCI | DATE: | 30-MAR-78 | SIZE | CODE | NUMBER | REV |
| RP | 5413009-PN008 | L | [H] | | | | | | | | |
| RP | 5413009-PN009 | M | [J] | | | | | | | | |
| JD | 5413009-PN010 | N | [K] | MFG.ENG.: | T. CORCIARI | DATE: | 30-MAR-78 | K | PL | 5413009-0-DBP | N |
| | | | [L] | | | | | | | | |
| | | | [M] | ASSEMBLY NUMBER: | | TOP DOCUMENT NUMBER: | | FILE NAME: | EDIT # | | |
| | | | [N] | E-UA-5413009-0-0 | | VT100 | | Z0211N.PLS | 31 | | |

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| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY | PER VARIATION | REFERENCE DESIGNATOR |
|------|------|-----------------|-------------|--------------------------------|-----|---------------|----------------------|
| | | | | | 00 | | |
| 30 | 30 | | 1300365-00 | 1 K 1/4W 5% CC | 1 | | R36 |
| 31 | 31 | | 1300398-00 | 1.8 K 1/4W 5% CC | 1 | | R31 |
| 32 | 32 | | 1300417-00 | 2.2 K 1/4W 5% CC | 5 | | R18,R20,R22,R23,R27 |
| 33 | 33 | | 1300426-00 | 2.7 K 1/4W 5% CC | 1 | | R7 |
| 34 | 34 | | 1300447-00 | 4.7 K 1/4W 5% CC | 1 | | R25 |
| 35 | 35 | | 1300479-00 | 10 K 1/4W 5% CC | 4 | | R2,R6,R12,R26 |
| 36 | 36 | | 1301317-00 | 10 1/4W 5% CC | 1 | | R57 |
| 37 | 37 | | 1301422-00 | 7.5 K 1/4W 5% CC | 8 | | R59-R66 |
| 38 | 38 | | 1301424-00 | 680 1/4W 5% CC | 1 | | R37 |
| 39 | 39 | | 1301425-00 | 300 1/4W 5% CC | 1 | | R50 |
| 40 | 40 | | 1301475-00 | 1.1 K 1/4W 5% CC | 1 | | R32 |
| 41 | 42 | | 1301874-00 | 5.6 K 1/4W 5% CC | 1 | | R9 |
| 42 | 43 | | 1301972-00 | 270 1/4W 5% CC | 1 | | R38 |
| 43 | 44 | | 1302379-00 | 75 1/4W 5% CC | 4 | | R35,R45,R52,R54 |
| 44 | 45 | | 1302391-00 | 20 K 1/4W 5% CC | 2 | | R43,R48 |
| 45 | 47 | | 1303178-00 | 620 1/4W 5% CC | 1 | | R49 |
| 46 | 48 | | 1303187-00 | 820 K1/4W 5% CC | 1 | | R8 |
| 47 | 49 | | 1304833-00 | 1.96 K 1/4W 1% RN55D-F 100PPM | 1 | | R15 |
| 48 | 51 | | 1313580-00 | 360 1/4W 5% CC | 1 | | R39 |
| 49 | 52 | | 1314673-00 | 36 1/4 5% CC | 1 | | R53 |
| 50 | 53 | | 1501913-00 | 2N 2904A PNP 600MW SI 60 40 Y | 3 | | Q2,Q3,Q4 |
| 51 | 54 | | 1503409-00 | DEC6534D PNP 310MW SI 40 90 | 1 | | Q1 |
| 52 | 55 | | 1509524-00 | 2N 3904 NPN 310MW SI 40 40 M | 1 | | Q5 |
| 53 | 56 | | 1010694-06 | XTAL 24.8832 MHZ | 1 | | Y1 |
| 54 | 57 | | 1814830-00 | OSCILLATOR, CRYSTAL 24.073 MHZ | 1 | | E2 |
| 55 | 58 | | 1909686-00 | 7404 INVERTER GATE-HEX 1I | 1 | | E38 |
| 56 | 59 | | 1909928-00 | 7416 INVERTER GATE-HEX 1I | 2 | | E14,E18 |
| 57 | 60 | | 1909929-00 | 7417 BUFFER GATE-HEX 1INP | 1 | | E29 |
| 58 | 61 | | 1910236-00 | DEC 7426 NAND GATE-QUAD 2IN,0 | 1 | | E7 |
| 59 | 62 | | 1910322-00 | DEC 1488L DRIVER,LINE,QUAD,EI | 1 | | E39 |
| 60 | 63 | | 1910548-00 | 74S157 MUX 1 OF 2 (QUAD) | 1 | | E1 |
| 61 | 64 | | 1912697-00 | LS174 FF-D HEX W/CLEAR | 2 | | E49,E61 |
| 62 | 65 | | 1912799-00 | LS00 NAND-GATE-QUAD 2IN,P | 2 | | E23,E34 |
| 63 | 66 | | 1912803-00 | LS04 INVERTER GATE-HEX 1I | 1 | | E19 |
| 64 | 67 | | 1912815-00 | LS30 NAND GATE-SINGLE 8IN | 1 | | E3 |
| 65 | 68 | | 1912818-00 | LS38 NAND BUFFER-QUAD 2IN | 1 | | E28 |
| 66 | 69 | | 1912824-00 | LS74 FF-D DUAL,EDGE TRIGG | 2 | | E13,E22 |
| 67 | 70 | | 1912842-00 | LS138 DECODER-THREE INPUT, | 1 | | E27 |
| 68 | 71 | | 1912843-00 | LS139 DECODER, 2 OF 4(DUAL | 1 | | E31 |
| 69 | 72 | | 1912854-00 | LS193 COUNTER,SYNCHR,4BIT, | 3 | | E21,E25,E30 |
| 70 | 73 | | 1912863-00 | LS273 FF-D OCTAL W/CLEAR | 2 | | E16,E20 |
| 71 | 74 | | 1913105-00 | PB 8224C DRIVER/GEN CLOCK F | 1 | | E32 |
| 72 | 75 | | 1913109-00 | 8228 BUFFER,DATA BASE FOR | 1 | | E36 |
| 73 | 76 | | 1913130-00 | DEC 1489A RECEIVER,LINE,QUAD, | 2 | | E37,E44 |
| 74 | 77 | | 1914084-00 | 74S299 SHIFT REG.,8BIT RIGH | 1 | | E10 |
| 75 | 78 | | 1914156-00 | LM 393 VOLT.COMPARATOR DUAL | 1 | | E48 |
| 76 | 79 | | 1914213-00 | 81LS97 BUFFER GATE-OCTAL 2I | 4 | | E15,E41,E42,E58 |
| 77 | 80 | | 1914214-00 | LS374 FF-D OCTAL EDGE TRIG | 2 | | E26,E33 |

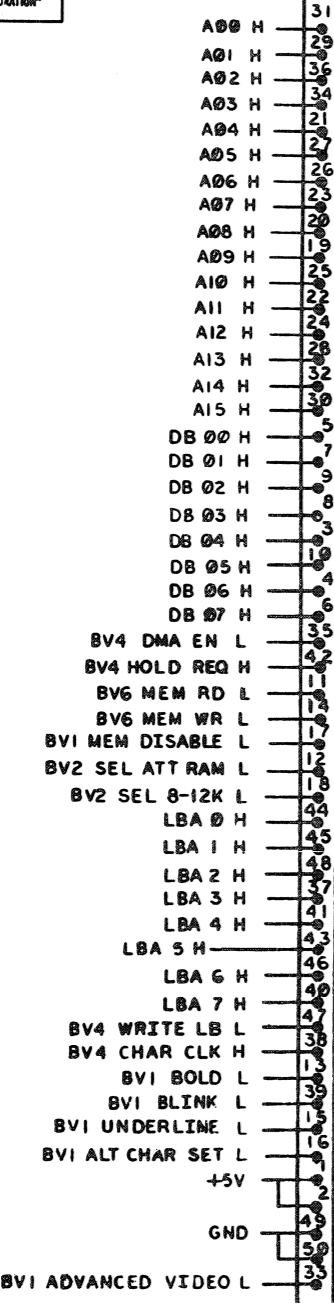
| ! D ! I ! G ! I ! T ! A ! L ! | ! TITLE | ! SECTION A OF A | ! SIZE ! CODE ! | ! DOCUMENT NUMBER | ! REV ! |
|-------------------------------|---------------------|------------------|-----------------|-------------------|---------|
| ! ! ! ! ! ! ! ! | ! VT100 BASIC VIDEO | ! ! ! ! ! ! ! ! | ! ! ! ! ! ! ! ! | ! 5413009-0-DBP | ! N ! |

| LINE ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY PER VARIATION 00 | REFERENCE DESIGNATOR |
|-----------|-----------------|-------------|----------------------------------|-------------------------|-------------------------|
| 78 | 81 | 1914423-50 | CUSTOM LSI-BIPOLAR L | 1 | E6 |
| 79 | 82 | 1914424-50 | CUSTOM LSI-BIPOLAR L | 1 | E5 |
| 80 | 83 | 2112623-02 | DUAL BAUD RATE GEN/PROG DIVIDER | 1 | E60 |
| 81 | 84 | 2113106-01 | 1K MOS RAM 250NS | 2 | E11,E17 |
| 82 | 85 | 2113107-01 | P 8251A PUSART COMM. INTERFA | 1 | E43 |
| 83 | 86 | 2113108-01 | 8080A-1 MICROPROCESSOR UNIT | 1 | E35 |
| 84 | 87 | 2113937-00 | UART 125K BUAD | 1 | E55 |
| 85 | 88 | 2114212-00 | P 2114-2 RAM,1024X4,STATIC | 6 | E46,E47,E50,E51,E53,E54 |
| 86 | 89 | 2114524-00 | ROM 100X14BIT,ERASABLE, | 1 | E24 |
| 87 | 90 | 23018E2-00 | E2-03 | 1 | E4 |
| 88 | 91 | 9006010-01 | SCREW,PAN ,PHIL, 4-40X 5/16 | 3 | |
| 89 | 92 | 9006557-00 | NUT,KEP , 4-40X 1/4 AF | 3 | |
| 90 | 93 | 9009185-00 | JUMPER, WIRE, INSULATED, BLACK B | 2 | W1,W2 |
| 91 | 94 | 9105740-55 | WIRE(WRAP)30AWG UL1423 | A/R | |
| 92 | 95 | 23061E2-00 | E2-02 | 1 | E56 |
| 93 | 96 | 23032E2-00 | E2-02 | 1 | E52 |
| 94 | 97 | 23033E2-00 | E2-02 | 1 | E45 |
| 95 | 98 | 23034E2-00 | E2-02 | 1 | E40 |
| 96 | 99 | 1211081-01 | CONN TELE 3PIN PLUG | 1 | |
| 97 | 100 | 9107560-01 | WIRE,BUSS,22AWG | A/R | |
| 98 | 101 | 9107776-66 | WIRE(WRAP)22AWG,IPVC UL1429 BL | A/R | |
| 99 | 102 | 1001610-00 | .01 MFD 50V -20+80 Z5U AXIAL | 1 | C46 |
| 100 | 103 | 1301320-00 | 1.2 K 1/4W 5% CC | 1 | R30 |
| 101 | 104 | 1301322-00 | 180 1/4W 5% CC | 1 | R33 |
| 102 | 105 | 1301477-00 | 92 1/4W 5% CC | 1 | R42 |
| 103 | 106 | 1300202-00 | 47 1/4W 5% CC | 1 | R44 |
| 104 | 107 | 1303155-00 | 21.5 K 1/4W 1% RN55D-F 100PPM | 1 | R10 |
| 105 | 108 | 1309412-00 | 18.2 K 1/4W 1% RN55D-F 100PPM | 1 | R13 |
| 106 | 109 | 1609620-00 | 2.2 UH #RFCS2.2 | 1 | L1 |
| 107 | 110 | 1002608-00 | 18.0 MMF 100V 5%200PPM DM15S | 1 | C47 |
| 108 | 111 | 9007834-00 | TAPE, DOUBLE COATED, 1/2" WIDE, | A/R | |

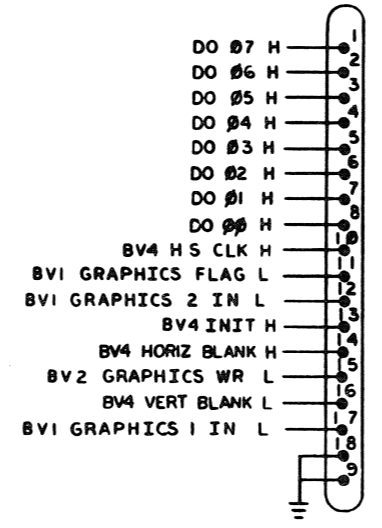
| DI | IG | IT | AL | TITLE | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
|----|----|----|----|-------------------|----------------|------|------|-----------------|-----|
| | | | | VT100 BASIC VIDEO | | | | | |
| | | | | | | K | PL | 5413009-0-DBP | N |

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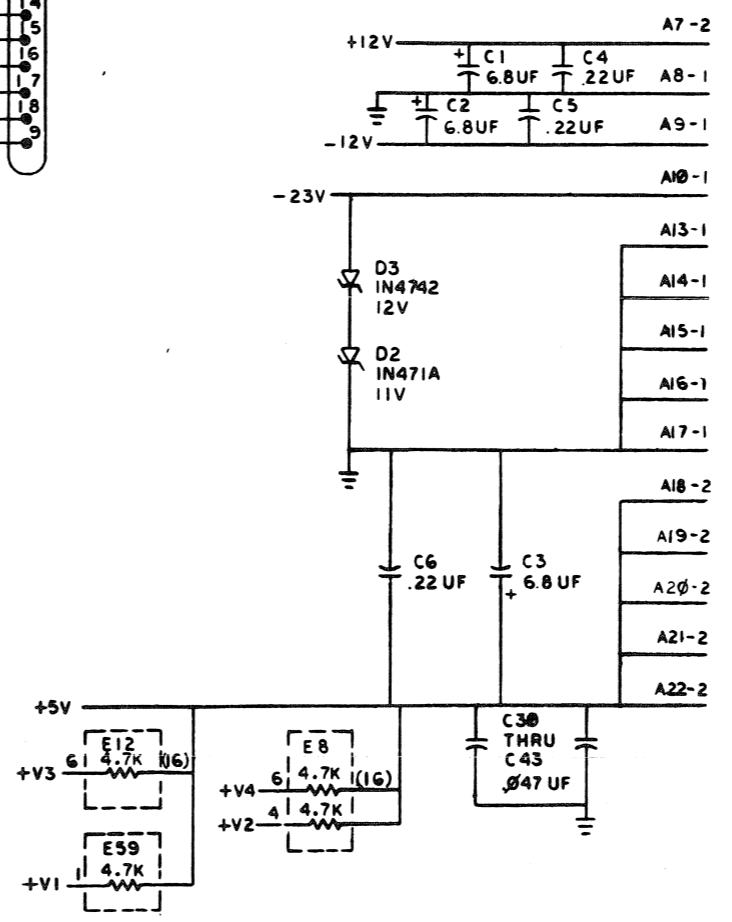
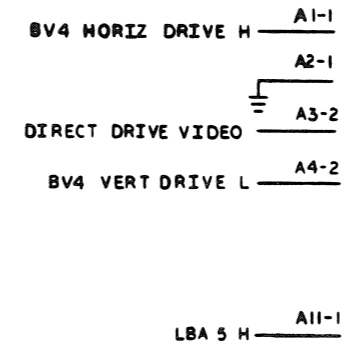
ADVANCED VIDEO CONN.



GRAPHICS CONN
J2



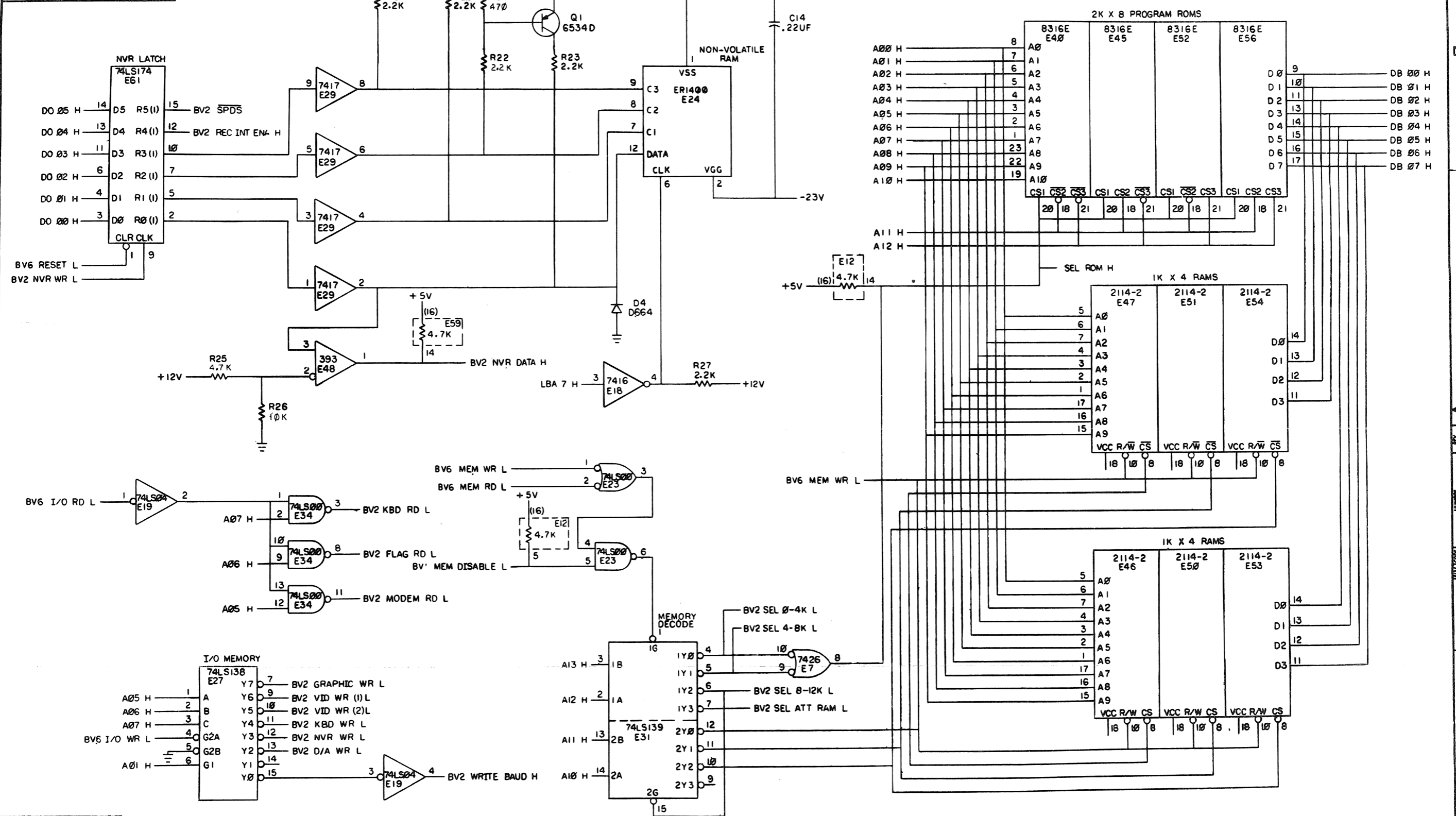
EDGE CONN



| | |
|-----------------|---------|
| REV | REV |
| 5413009-ML001 C | 10-4-78 |
| R. PUCCI | 1-15-78 |
| 5413009-ML002 D | 1-15-78 |
| R. PUCCI | 1-15-78 |
| 5413009-ML003 E | 1-15-78 |
| POWERS | 1-15-78 |
| R. PUCCI | 1-15-78 |
| 5413009-ML004 F | 1-15-78 |
| L. KING | 1-15-78 |
| 5413009-ML005 H | 1-15-78 |
| L. KING | 1-15-78 |
| 5413009-ML006 J | 1-15-78 |
| L. KING | 1-15-78 |
| 5413009-ML007 K | 1-15-78 |
| N. FORRESTER | 1-15-78 |
| 5413009-ML008 L | 1-15-78 |
| L. KING | 1-15-78 |
| 5413009-ML009 M | 1-15-78 |
| J. BITTO | 1-15-78 |
| 5413009-ML010 N | 1-15-78 |
| J. DESUK | 1-15-78 |

| | | | |
|-------------------|-------------|---------------|-------------|
| CRN | 5413009-0-0 | FIRST USED ON | VT100 |
| CHK'D | R. PUCCI | TITLE | BASIC VIDEO |
| ENG'D | R. PUCCI | SIZE | D |
| PROJ. ENG. | R. PUCCI | CODE | 5413009-0-1 |
| NEXT HIGHER ASSY. | | NUMBER | 1 |
| E-UA-5413009-0-0 | | REV. | N |
| SCALE | | | |
| SHEET | 1 | OF | 6 |

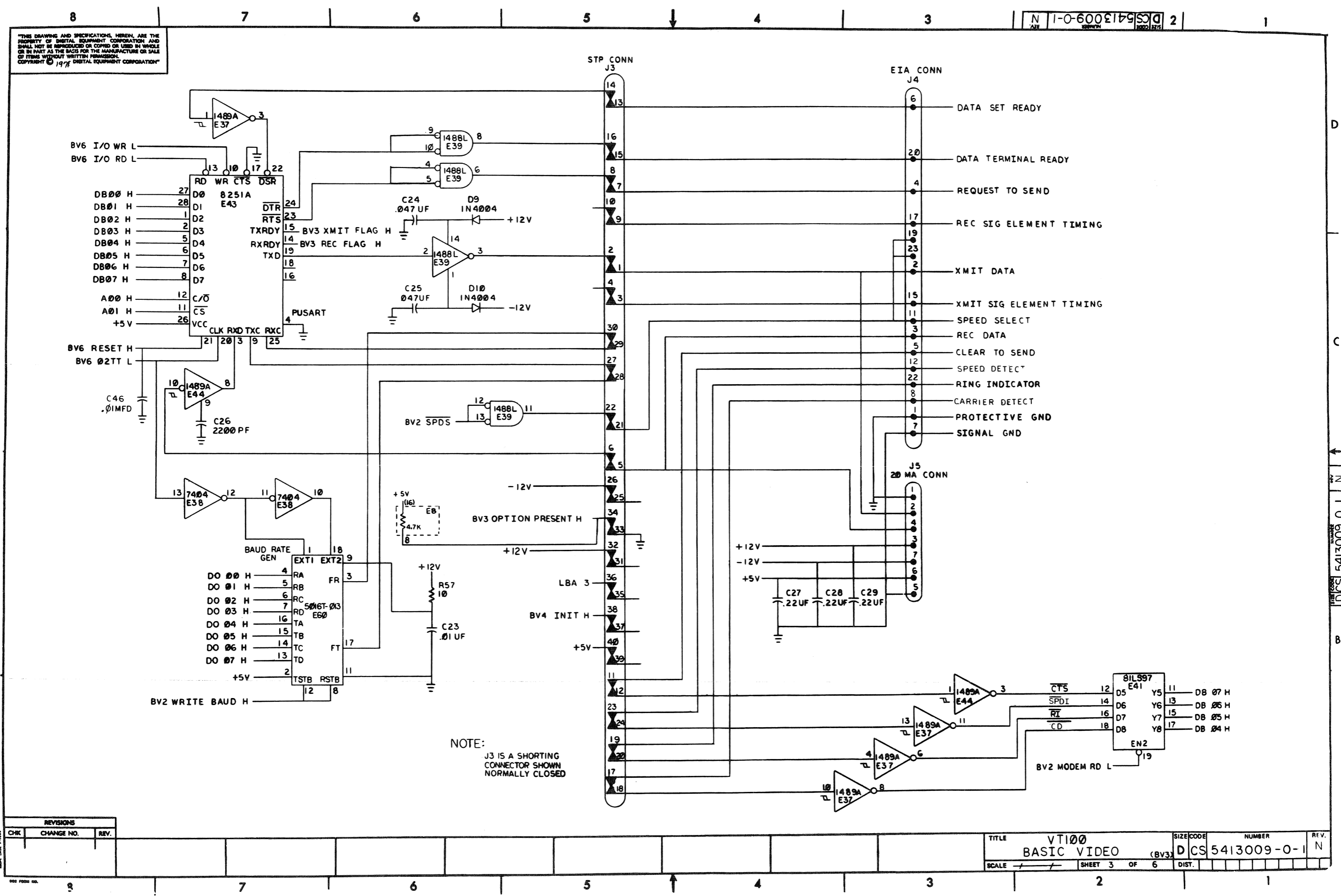
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| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

| | | | | | | | |
|-------|----------------------------|-----------|------------------|--------|--|------|---|
| TITLE | VT100 BASIC VIDEO (BV2) | SIZE CODE | D CS 5413009-0-1 | NUMBER | | REV. | N |
| SCALE | | SHEET | 2 OF 6 | DIST. | | | |

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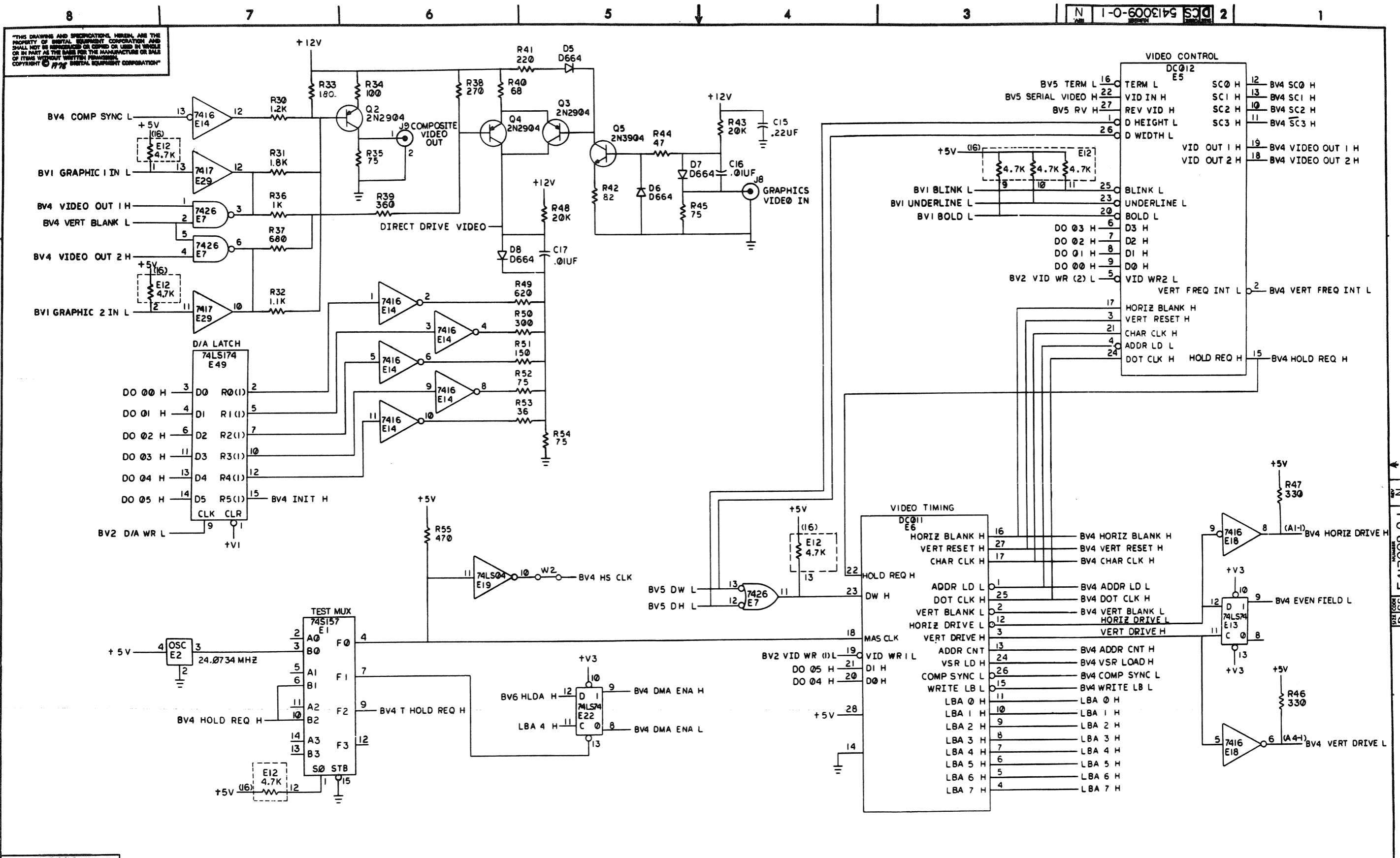
NOTE:
J3 IS A SHORTING
CONNECTOR SHOWN
NORMALLY CLOSED

| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

| | | | | | | | |
|-------|----------------------|-----------|-----------|--------|-------------|-------|---|
| TITLE | VT100 BASIC VIDEO | SIZE CODE | (BV3) DCS | NUMBER | 5413009-0-1 | REV. | N |
| SCALE | | SHEET | 3 | OF | 6 | DIST. | |

D E C S 5413009 0 1 N

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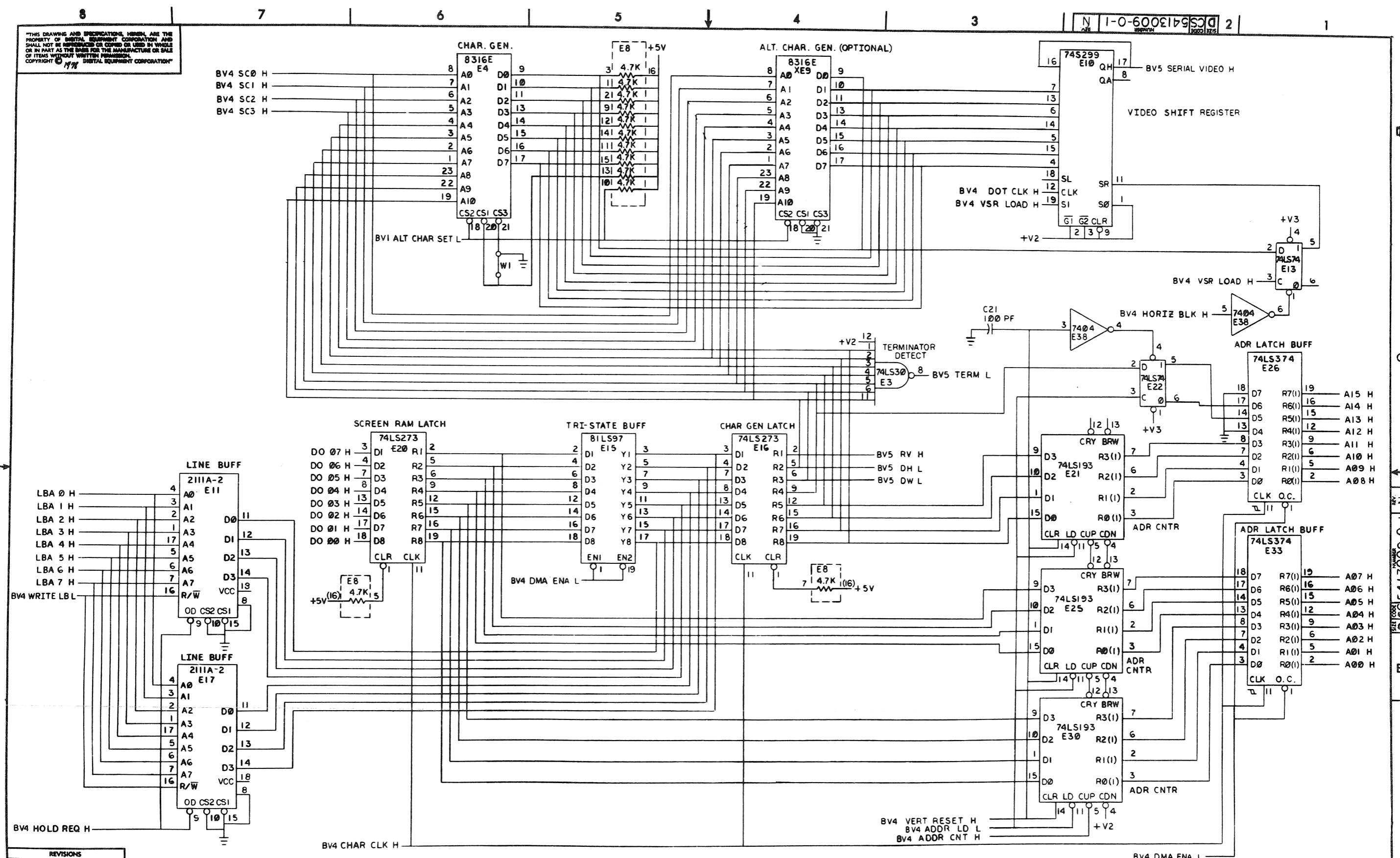


| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

| | | | | | | | |
|-------|-------------------------|-----------|--------|--------|-------------|------|---|
| TITLE | VT100 BASIC VIDEO (Bv4) | SIZE CODE | D CS | NUMBER | 5413009-0-1 | REV. | N |
| SCALE | | SHEET | 4 OF 6 | DIST. | | | |

DCS 5413009-0-1

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| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

| | | | | |
|-------------------|-----------------|-----------|--------|------|
| TITLE | VT100 | SIZE CODE | NUMBER | REV. |
| BASIC VIDEO (BV3) | DCS 5413009-0-1 | N | | |
| SCALE | SHEET 5 OF 6 | DIST. | | |

DCS 5413009-0-1 N

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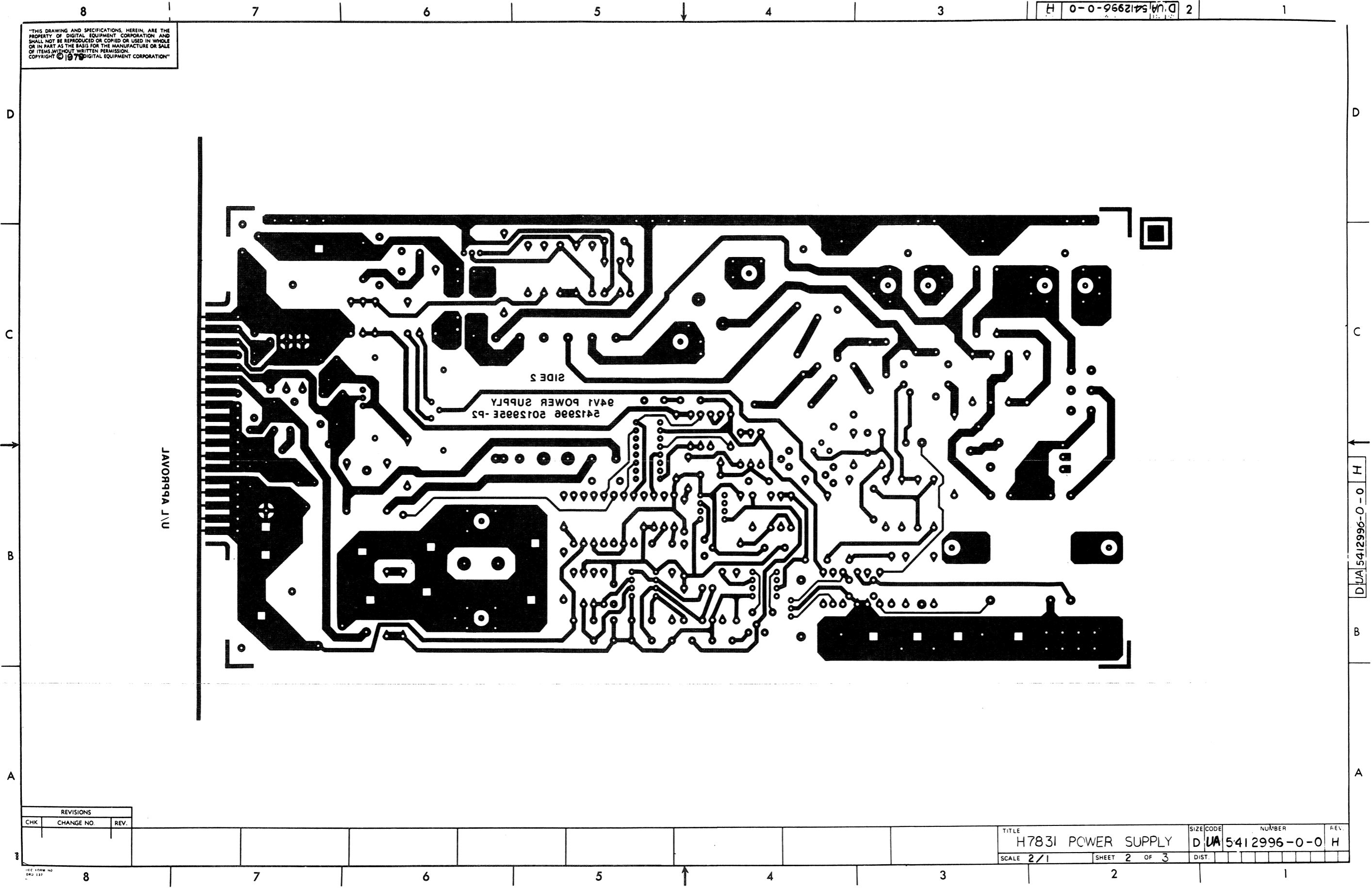
У.Г. ВЪВВОАГ

2415888 2015888-P2 84V1 POWER SUPPLY

SIDE 2

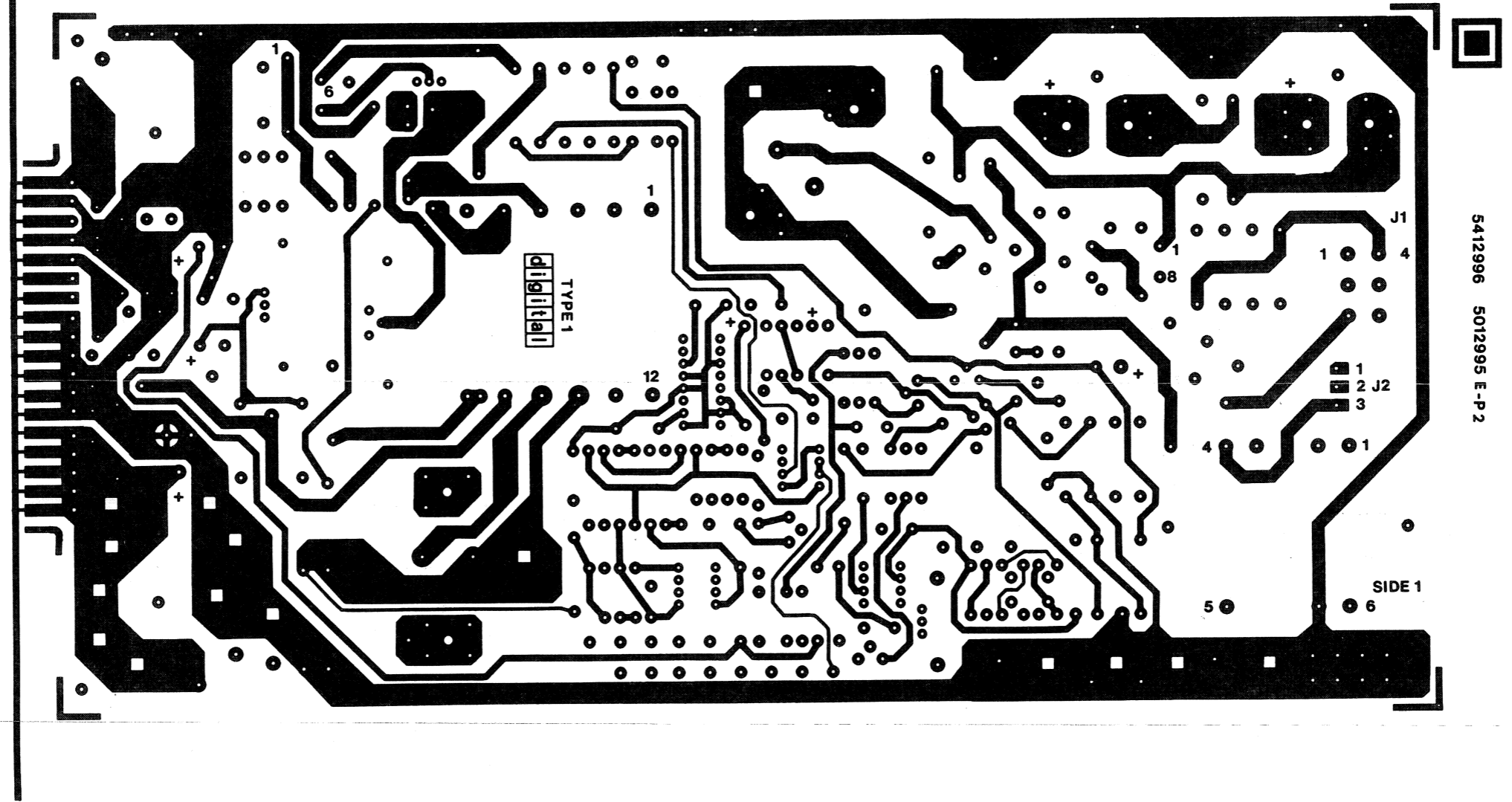
| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |
| | | |

| | | | | | | | |
|-------|--------------------|-----------|-------------------|--------|---------------|------|---|
| TITLE | H7831 POWER SUPPLY | SIZE/CODE | DUA 5412996-0-0 H | NUMBER | 5412996-0-0 H | REV. | H |
| SCALE | 2/1 | SHEET | 2 OF 3 | DIST. | | | |



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D UA 5412996-0-0 2



5412996 5012995 E-P2

SIDE 1

U/L APPROVAL

| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

TITLE H7831 POWER SUPPLY
 SCALE 2/1 SHF 3 OF 3
 SIZE CODE D UA NUMBER 5412996-0-0 REV. H

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1

D D

C C

B B

A A

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY | PER VARIATION | REFERENCE DESIGNATOR |
|------|------|------------------|-------------|--------------------------------|-----|---------------|-------------------------|
| 1 | 1 | E-MD-5012995-0-0 | 5012995-00 | H7831 POWER SUPPLY | 1 | 00 | |
| 2 | 2 | | 1000009-00 | 33.0 MMF 100V 5%200PPM DM15S | 1 | | C2 |
| 3 | 3 | | 1000016-00 | 100.0 MMF 100V 5%200PPM DM15S | 3 | | C5,C15,C16 |
| 4 | 4 | | 1000039-00 | .056 MFD 200V 10% 663UW MYLR | 1 | | C1 |
| 5 | 5 | | 1000042-00 | 1000.0 MMF 100V 5%200PPM DM15S | 5 | | C13,C24,C25,C28,C29 |
| 6 | 6 | | 1000055-00 | 2200. MMF 250V 20% Y5S DISC | 2 | | C3,C4 |
| 7 | 7 | | 1001610-00 | .01 MFD 50V =20+80 Z5U AXIAL | 5 | | C30,C35,C36,C37,C38 |
| 8 | 8 | | 1004812-00 | 15 MFD 20V 10% S,TANT | 1 | | C34 |
| 9 | 9 | | 1005507-00 | 1 MFD 100V E% 30D AL EL | 1 | | C22 |
| 10 | 10 | | 1011847-01 | .01 MFD 400V 10% POLYPROP | 1 | | C6 |
| 11 | 11 | | 1015202-02 | .0033 MFD 1600V 10% POLYPROP | 1 | | C19 |
| 12 | 12 | | 1001776-00 | 1 MFD 35V 10% S,TANT | 1 | | C17 |
| 13 | 13 | | 1010274-00 | .22 MFD 50V =20+80 Z5U CER | 4 | | C8,C10,C11,C12 |
| 14 | 14 | | 1012607-00 | 560 MFD 20V H% 672D AL EL | 1 | | C26 |
| 15 | 15 | | 1012607-04 | 270 MFD 40V H% 672D AL EL | 1 | | C20 |
| 16 | 16 | | 1012607-05 | 20MFD 200V H% 672D AL EL | 1 | | C18 |
| 17 | 17 | | 1013466-11 | .22 MFD 50V +80/-20% CER, | 4 | | C21,C23,C27,C32 |
| 18 | 18 | | 1014170-00 | 2700.0 MMF 100V 1% 70PPM | 1 | | C7 |
| 19 | 19 | | 1014277-00 | 3800 MFD 6.3V G% AL EL | 1 | | C31 |
| 20 | 20 | | 1014861-00 | 590 MFD 200V E% AL EL | 2 | | C9,C14 |
| 21 | 21 | | 1014883-00 | 470 MFD 50V G% AL EL | 1 | | C33 |
| 22 | 22 | | 1100114-00 | D 664 QS\75PCB PIV= 25V SP | 5 | | D10,D13,D39,D40,D21 |
| 23 | 23 | | 1105796-00 | IN 4004 PIV=400 I= 1A D041 SP | 5 | | D32,D34,D24,D25,D26 |
| 24 | 24 | | 1105873-00 | .4M5.1Z1 VZ= 5.1 1% .400W | 1 | | D38 |
| 25 | 25 | | 1109991-01 | 4M6.8AZ1 VZ= 6.8 1% .40W | 1 | | D15 |
| 26 | 26 | | 1112594-01 | A115B PIV=200 I= 3A | 1 | | D31 |
| 27 | 27 | | 1112595-00 | A114F PIV= 50 I= 1A | 7 | | D1,D2,D3,D5,D12,D41,D20 |
| 28 | 28 | | 1112595-01 | A114B PIV=200 I= 1A | 7 | | D4,D6,D7,D8,D9,D11,D14 |
| 29 | 29 | | 1112595-02 | A114M PIV=600 I= 1A | 2 | | D27,D28 |
| 30 | 30 | | 1115529-00 | UES2601 PIV=50V I=30A | 1 | | D36 |

| REVISION HISTORY | | | BASIC PART NO: 5412996 | | DRN: VIN PARECHANIAN DATE: 2-20-78 | | D I G I T A L | | | | |
|------------------|------------|-----|-------------------------|------------------|--------------------------------------------------------------------------------|----------------------|------------------|--------------------|------|---------------|--------|
| ENG | ECO NUMBER | REV | SECTION A OF A | CHKID: | TONY | DATE: | 16-MAR-78 | TITLE PARTS LIST | | | |
| --- | INIT | B | SECTION VARIATION INDEX | CHKID: | TONY <td>DATE:</td> <td>16-MAR-78</td> <td colspan="4">H7831 POWER SUPPLY</td> | DATE: | 16-MAR-78 | H7831 POWER SUPPLY | | | |
| KH | PN001 | C | [A] 00 | DES.ENG: | BOB PEDERSEN | DATE: | 7-JUN-78 | DOCUMENT NUMBER | | | |
| LK | PN002 | D | [B] | RESP.ENG.: | BOB PENDERSON | DATE: | 7-JUN-78 | SIZE | CODE | NUMBER | REV |
| JB | PN003 | E | [C] | MFG.ENG.: | T. CORCIARI | DATE: | 7-JUN-78 | K | PL | 5412996-0-DBP | H |
| JB | PN004 | F | [D] | ASSEMBLY NUMBER: | E-UA-5412996-0-0 | TOP DOCUMENT NUMBER: | H-DD-5412996-0-0 | FILE NAME: | | 12996H,PLS | EDIT # |
| EJ | PN005 | H | [E] | | | | | | | | 32 |
| | | | [F] | | | | | | | | |
| | | | [H] | | | | | | | | |
| | | | [J] | | | | | | | | |
| | | | [K] | | | | | | | | |
| | | | [L] | | | | | | | | |
| | | | [M] | | | | | | | | |
| | | | [N] | | | | | | | | |

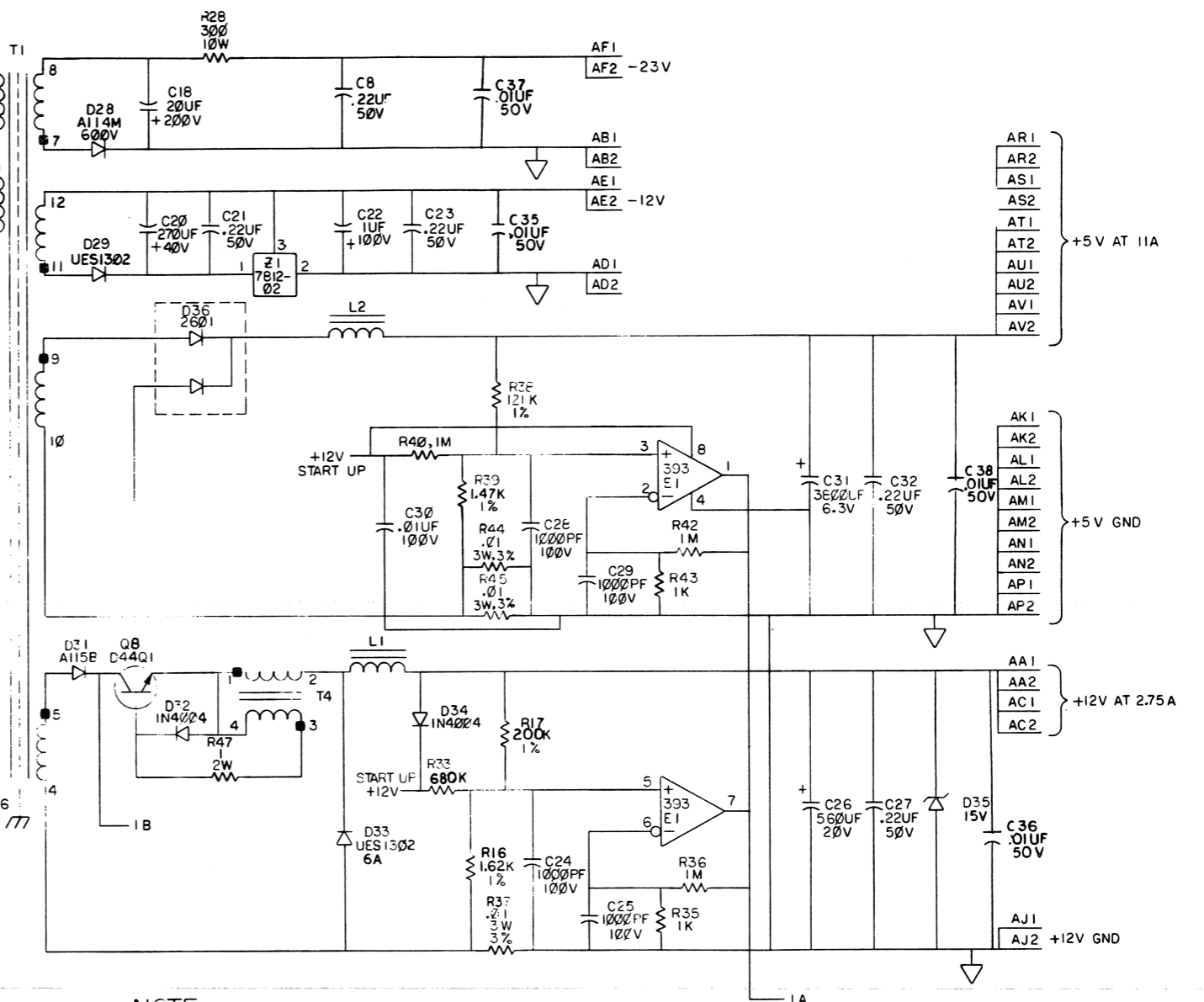
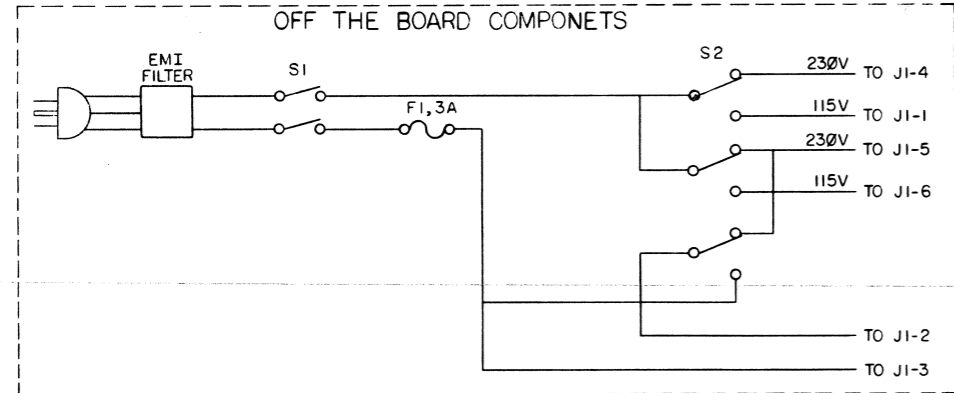
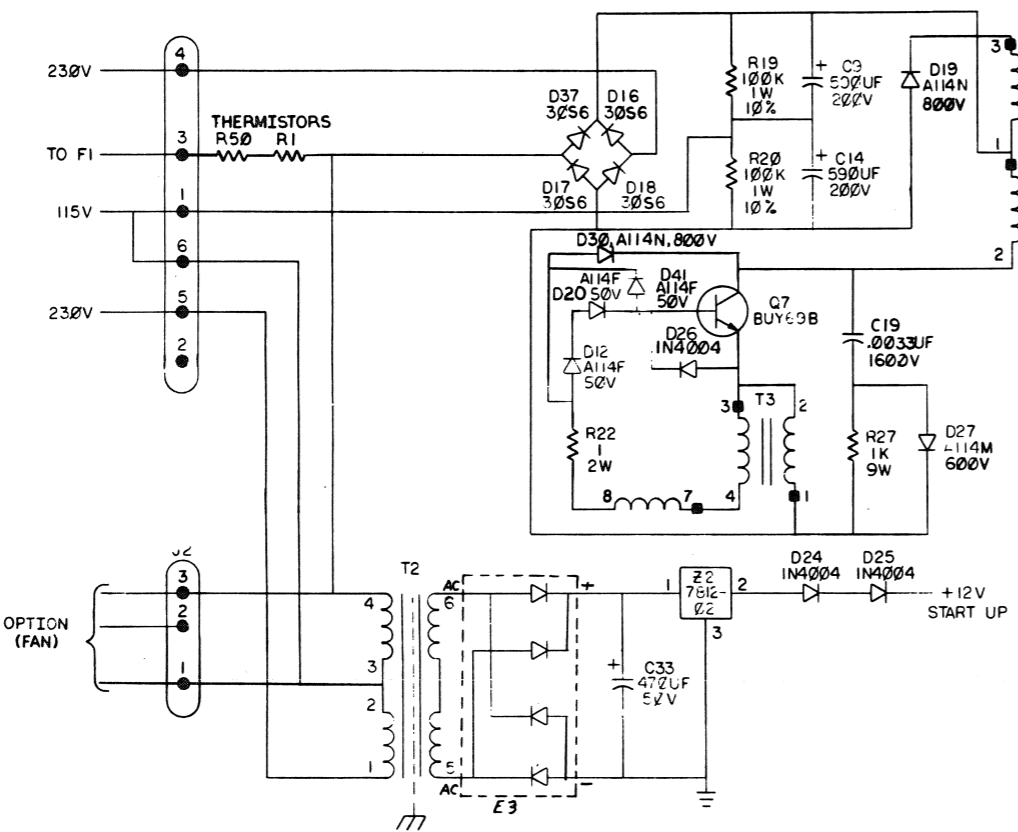
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| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY PER VARIATION 00 | REFERENCE DESIGNATOR |
|------|------|-----------------|-------------|----------------------------------|-------------------------|----------------------|
| 79 | 79 | | 1514271-00 | D 44Q1 NPN 4WC SI125 20 | 3 | Q1,Q2,Q8 |
| 80 | 80 | | 1614272-00 | PULSE XFMR,4 WOUND | 1 | T3 |
| 81 | 81 | | 1614273-00 | PULSE XFMR,TRI-WOUND | 1 | T4 |
| 82 | 82 | | 1615251-00 | 42,0 UH VARIABLE L 11A | 1 | L2 |
| 83 | 83 | | 1615252-00 | 210,0 UH VARIABLE 2,75A | 1 | L1 |
| 84 | 84 | | 1615253-00 | XFMR P=AB S=25V | 1 | T2 |
| 85 | 85 | | 1615668-00 | XFMR P=245-360V S=5V82,5A | 1 | T1 |
| 86 | 86 | | 1910282-00 | 301AN OP AMP | 1 | E2 |
| 87 | 87 | | 1911944-00 | 555CN TIMER,FUNCT,BLOCK | 1 | E4 |
| 88 | 88 | | 1912048-02 | DEC 7812-02 VOLT REG,FIXED +12 | 2 | Z1,Z2 |
| 89 | 89 | | 1914156-00 | LM 393 VOLT,COMPARATOR DUAL | 1 | E1 |
| 90 | 90 | | 1914250-00 | 3524 MODULATOR-REGULATING | 1 | E5 |
| 91 | 91 | | 3610267-00 | DECAL, ADHESIVE BACK "DANGER HIG | 1 | |
| 92 | 92 | | 7416423-00 | PLASTIC SAFETY COVER | 1 | |
| 93 | 93 | | 9006557-00 | NUT,KEP , 4-40X 1/4 AF | 3 | |
| 94 | 94 | | 9006563-00 | NUT,KEP , 8-32 X11/32AF | 2 | |
| 95 | 95 | | 9006633-00 | WASHER,LOCK,INT,.2800D X .146ID | 2 | |
| 96 | 96 | | 9007906-00 | *** THIS ITEM IS NOT USED *** | - | |
| 97 | 97 | | 9008172-00 | WASHER, FLAT,SS ,250 OD X .125 I | 4 | |
| 98 | 98 | | 9009950-01 | *** THIS ITEM IS NOT USED *** | - | |
| 99 | 99 | | 9006660-00 | WASHER, FLAT, .375 O.D. X .187 I | 4 | |
| 100 | 100 | | 9007793-01 | SCREW,PAN ,PHIL, 6-32X 9/16 | 4 | |
| 101 | 101 | | 9007801-00 | WASHER, LOCK, S.S. #6 | 4 | |
| 102 | 102 | | 9007985-00 | SPACER, HEX, ALUM, 6-32, .250 X | 2 | |
| 103 | 103 | | 9008079-00 | WASHER, FLAT FIBER OD, 1/4 | 4 | |
| 104 | 104 | | 9008212-00 | SCREW, NYLON, SLTD PAN HD, 6-32 | 4 | |
| 105 | 105 | | 9008301-01 | *** THIS ITEM IS NOT USED *** | - | |
| 106 | 106 | | 9009236-01 | SCREW,TAPPING,TYPE F,PAN ,PHIL, | 4 | |
| 107 | 107 | | 9009516-06 | *** THIS ITEM IS NOT USED *** | - | |
| 108 | 108 | | 9009676-00 | TERM LUG 1POS SOLDER | 1 | |
| 109 | 109 | | 9009795-00 | SCREW, SEMS, SLOTTED PAN HD 10- | 4 | |
| 110 | 110 | | 9009798-00 | SPACER, CERAMIC, .186 ODX,078 ID | 10 | |
| 111 | 111 | | 9107350-44 | *** THIS ITEM IS NOT USED *** | - | |
| 112 | 112 | | 1300197-00 | 33 1/4W 5% CC | 1 | R52 |
| 113 | 113 | | 1302466-00 | 100 K 1/4W 5% CC | 1 | R53 |
| 114 | 114 | | 1305255-00 | 121 K 1/4W 1% RN55D=F 100PPM | 1 | R38 |
| 115 | 115 | | 1001765-00 | 5000,0 MMF 100V 20% Z5U DISC | 1 | C39 |
| 116 | 116 | | 1115369-00 | VM 18 PIV=100 I=1A | 1 | E3 |
| 117 | 117 | | 9006010-01 | SCREW,PAN ,PHIL, 4-40X 5/16 | 3 | |
| 118 | 118 | | 9009769-00 | WASHER, RECTANGULAR ,405X,225X,0 | 1 | |

0 NOTE: SEE E-UA-5412996-0-0 FOR ADDITIONAL INSERTION INFORMATION

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|--------------------|----------------|------|------|-----------------|-----|
| D | I | C | I | T | A | L | TITLE | SECTION A OF A | SIZE | CODE | DOCUMENT NUMBER | REV |
| | | | | | | | H7831 POWER SUPPLY | | K | PL | 5412996-0-DBP | H |

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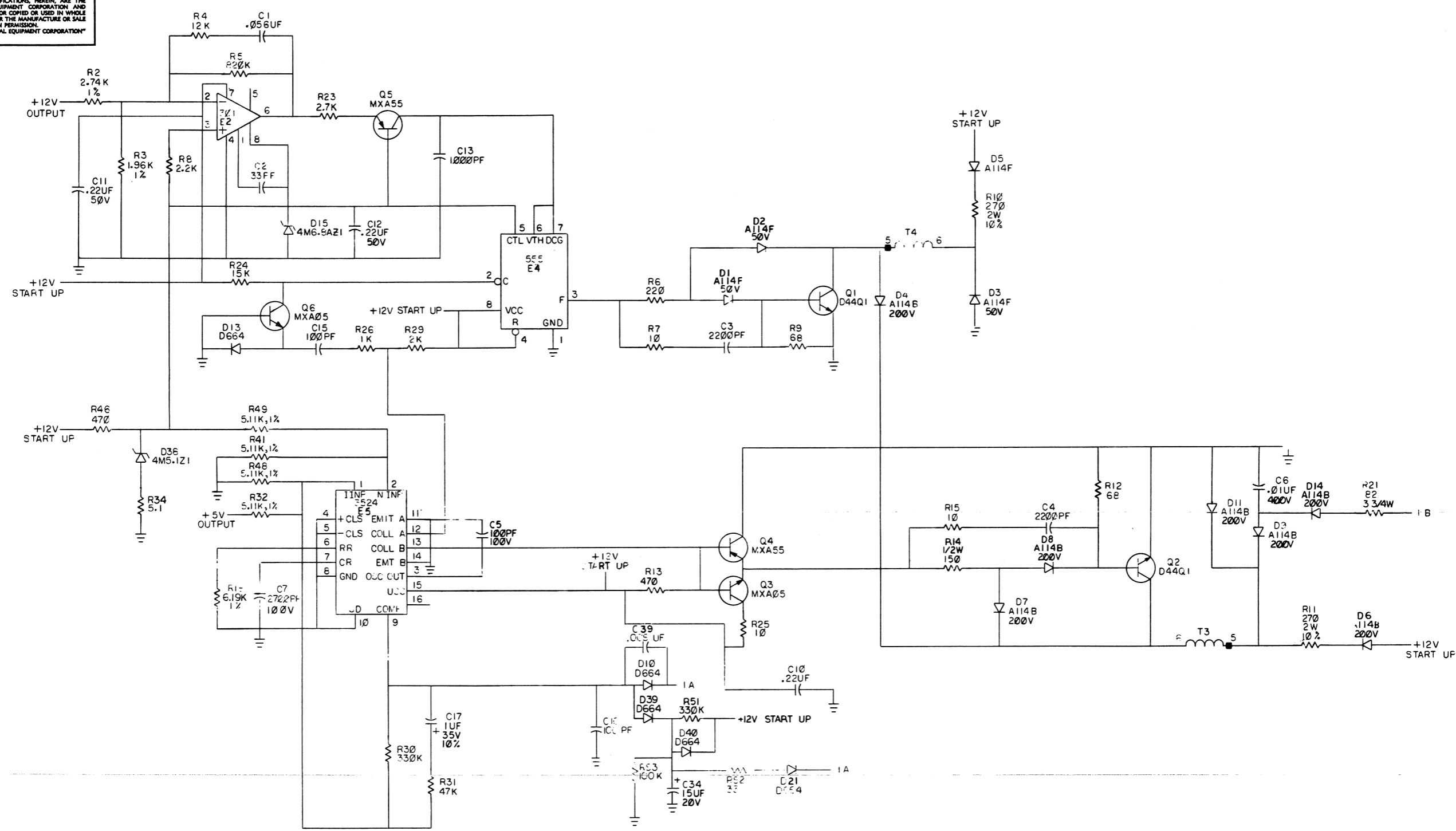


NOTE:
 1 UNLESS OTHERWISE INDICATED
 ALL RESISTORS ARE 1/4W, 5%.

| REV. | CHG. NO. | BY | DATE |
|------|---------------|----|------|
| 1 | 5412996-PN001 | C | |
| 2 | 5412996-PN002 | D | |
| 3 | 5412996-PN003 | E | |
| 4 | 5412996-PN004 | F | |
| 5 | 5412996-PN005 | H | |
| 6 | 5412996-PN006 | J | |
| 7 | 5412996-PN007 | K | |
| 8 | 5412996-PN008 | L | |

| | | |
|---------------------------|--------------------------|---------|
| DRN. P. K. H. 8-18-77 | FIRST USED ON H7831 | DIGITAL |
| CHK'D. J. J. 8-20-77 | TITLE H7831 POWER SUPPLY | |
| ENGR. J. J. 8-22-77 | SCALE 1:1 | REV. H |
| PROJ. ENGR. J. J. 8-22-77 | SHEET 1 OF 2 | |
| PROOF. J. J. 8-22-77 | | |

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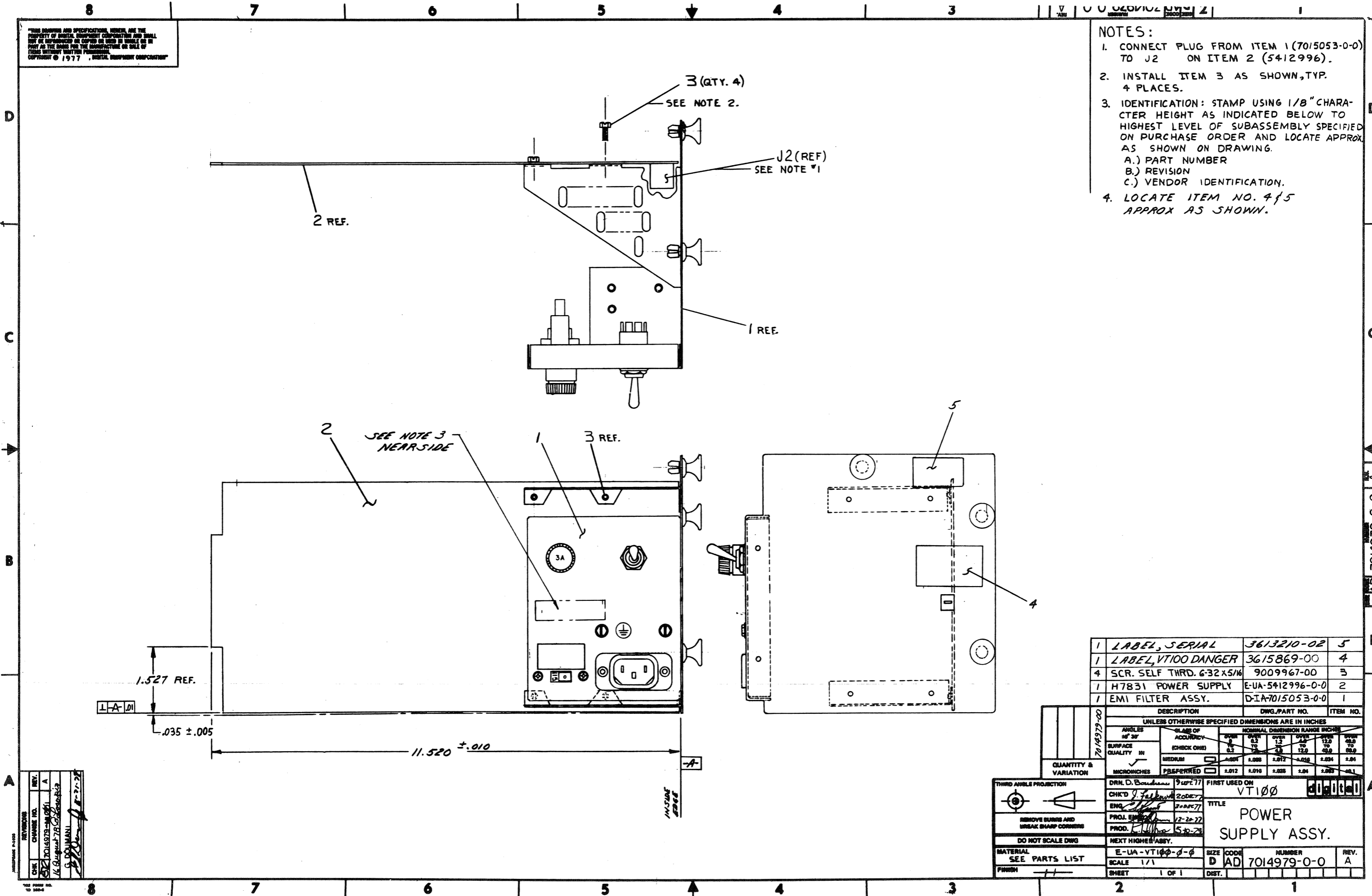


| REVISIONS | | |
|-----------|------------|------|
| CHK | CHANGE NO. | REV. |
| | | |

| | | | | | | | |
|-------|--------------------|-----------|------|--------|-------------|-------|---|
| TITLE | H7831 POWER SUPPLY | SIZE CODE | D CS | NUMBER | 5412996-0-1 | REV. | H |
| SCALE | 1:1 | SHEET | 2 | OF | 2 | DIST. | |

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- NOTES:
1. CONNECT PLUG FROM ITEM 1 (7015053-0-0) TO J2 ON ITEM 2 (5412996).
 2. INSTALL ITEM 3 AS SHOWN, TYP. 4 PLACES.
 3. IDENTIFICATION: STAMP USING 1/8" CHARACTER HEIGHT AS INDICATED BELOW TO HIGHEST LEVEL OF SUBASSEMBLY SPECIFIED ON PURCHASE ORDER AND LOCATE APPROX AS SHOWN ON DRAWING.
A.) PART NUMBER
B.) REVISION
C.) VENDOR IDENTIFICATION.
 4. LOCATE ITEM NO. 4 & 5 APPROX AS SHOWN.



| | | | |
|---|---------------------------|------------------|---|
| 1 | LABEL, SERIAL | 3613210-02 | 5 |
| 1 | LABEL, VT100 DANGER | 3615869-00 | 4 |
| 4 | SCR. SELF THRD. 6-32x5/16 | 9009967-00 | 3 |
| 1 | H7831 POWER SUPPLY | E-UA-5412996-0-0 | 2 |
| 1 | EMI FILTER ASSY. | D-IA-7015053-0-0 | 1 |

| DESCRIPTION | DWG. PART NO. | ITEM NO. | | | | | | | | | | |
|-----------------------------------------------------|--------------------------|--------------------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|-------------------|--------------------------|--------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | | | | | | | | | |
| ANGLES OF 30° | GLASS OF ACCURACY | NOMINAL DIMENSION RANGE INCHES | | | | | | | | | | |
| SURFACE QUALITY IN | (CHECK ONE) | OVER TO 0.2 | OVER TO 0.3 | OVER TO 0.5 | OVER TO 0.7 | OVER TO 1.0 | OVER TO 1.5 | OVER TO 2.0 | OVER TO 3.0 | OVER TO 4.0 | OVER TO 6.0 | OVER TO 10.0 |
| MEDIUM | <input type="checkbox"/> | FINE | <input type="checkbox"/> | COARSE | <input type="checkbox"/> | VERY COARSE | <input type="checkbox"/> | FREE | <input type="checkbox"/> | FREE | <input type="checkbox"/> | FREE |
| MICRONICHES | PREFERRED | <input type="checkbox"/> | ±.012 | ±.010 | ±.008 | ±.006 | ±.004 | ±.003 | ±.002 | ±.001 | ±.0005 | ±.0002 |

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL SEE PARTS LIST

FINISH

7014979-00

QUANTITY & VARIATION

DRN. D. Boudreau 9/27/77

CHK'D J. Falkner 2/28/77

ENG. J. Falkner 2/28/77

PROL. E. Falkner 12-22-77

PROD. E. Falkner 5-10-78

FIRST USED ON

TITLE

POWER SUPPLY ASSY.

E-UA-VT100-d-d

SCALE 1/1

SIZE CODE D AD

NUMBER 7014979-0-0

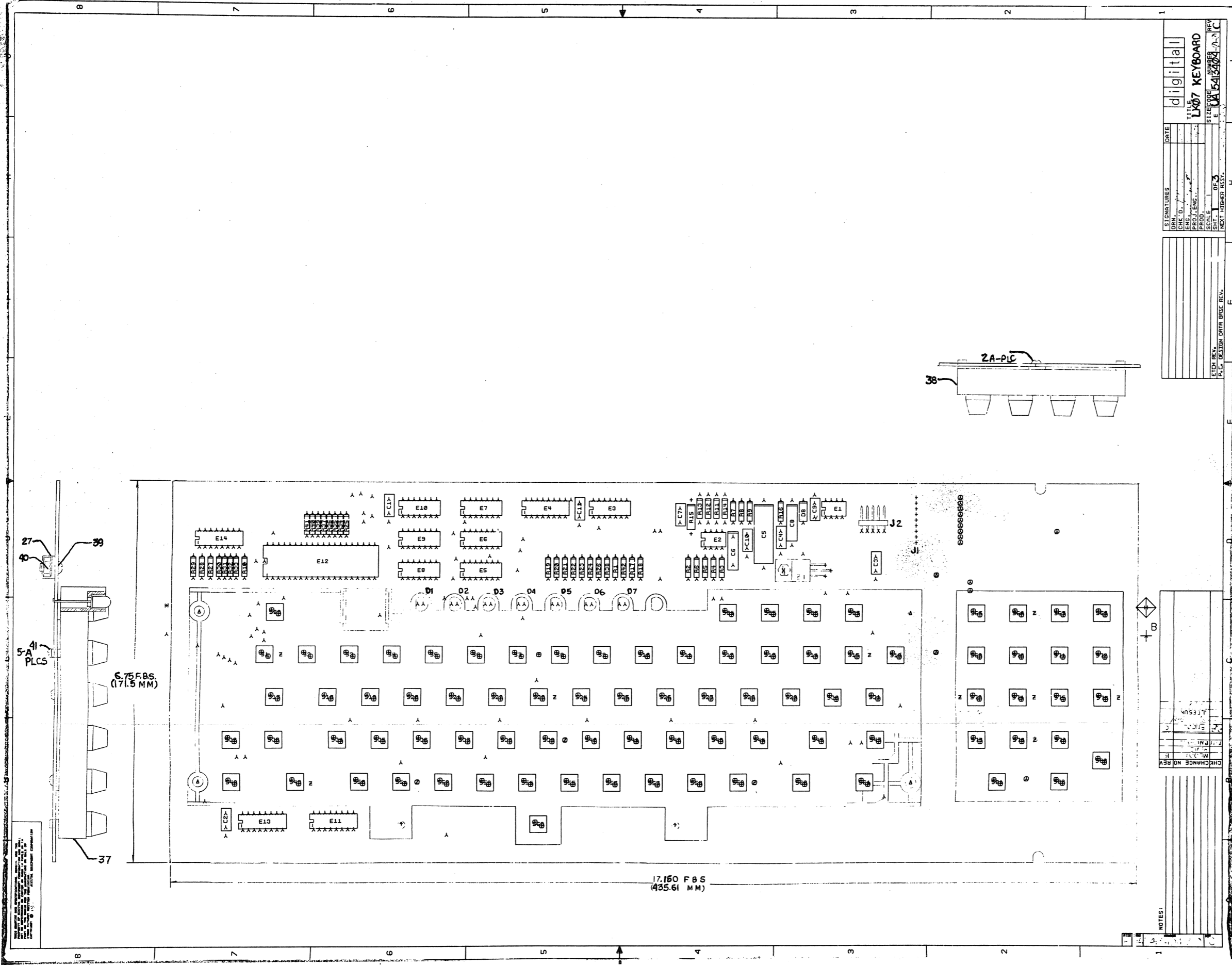
REV. A

SHEET 1 OF 1

DIST.

| REV. | CHG. | DATE | BY |
|------|------|----------|------------|
| A | 1 | 12-22-77 | J. Falkner |

D AD 7014979-0-0 A



| | |
|------------|---------|
| DATE | digital |
| DESIGNER | digital |
| ENGR. D. | |
| PROJ. ENG. | |
| SCALE | |
| SHEET | 1 OF 3 |
| SIZE | E |
| REV. | 1 |
| NUMBER | 100 |
| KEYBOARD | |
| PLC | |
| DATE | |
| BASE | |
| REV. | |
| PLC | |
| DATE | |
| BASE | |
| REV. | |

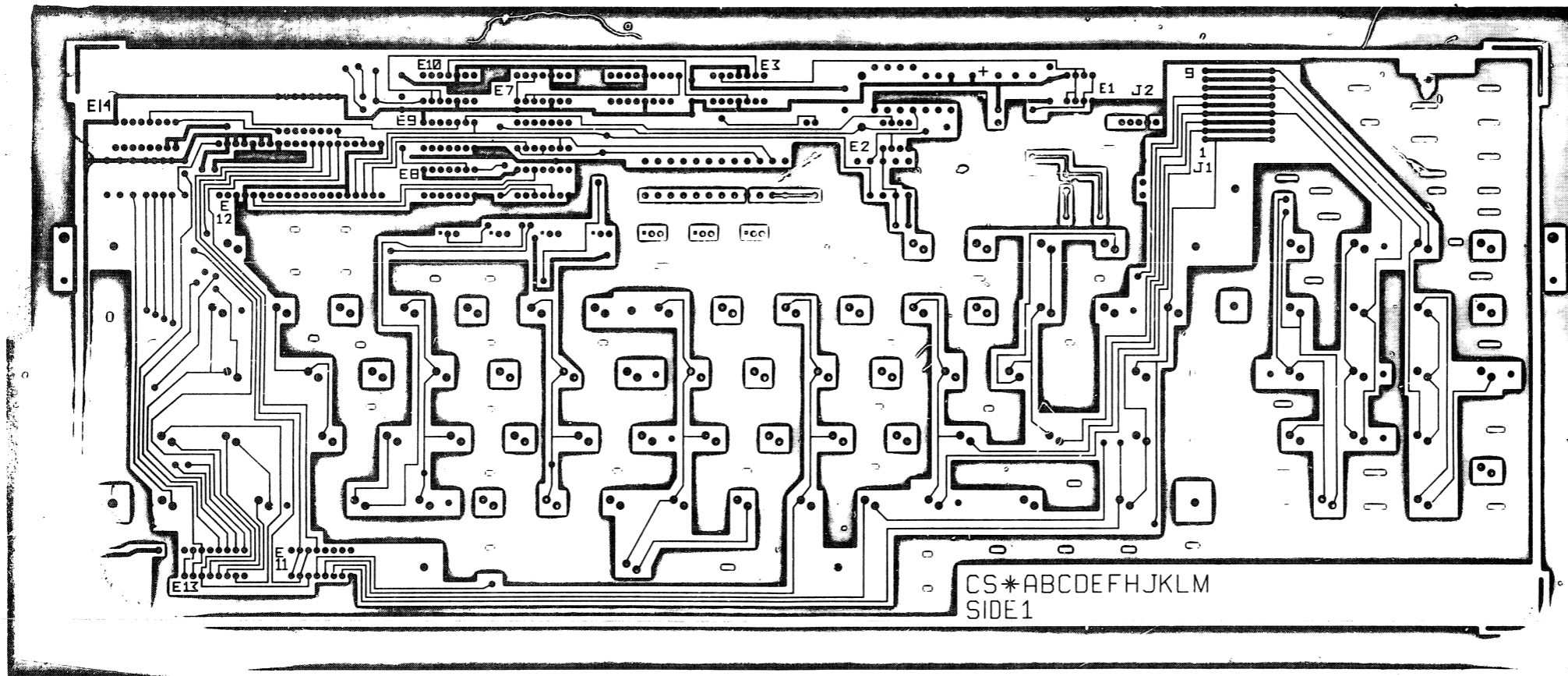
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NOTES:

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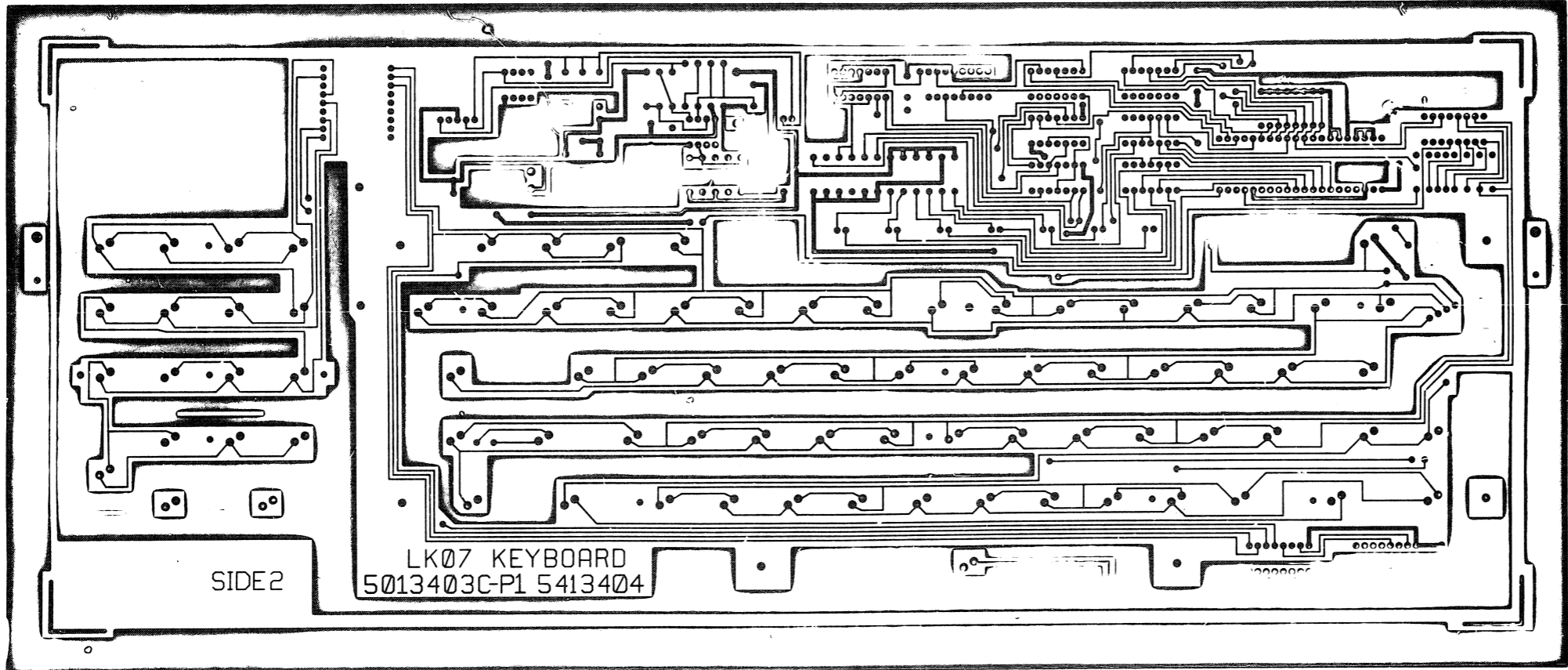
5413404
5013403C-PI L1



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B
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8 7 6 5 4 3 2 1

LK07 KEYBOARD
2 1 2 3
EUA 5413404-0-0 C



L2

SIDE 2

LK07 KEYBOARD
5013403C-P1 5413404

LK07 KEYBOARD
2 1 3 3
EUA 541340400 C

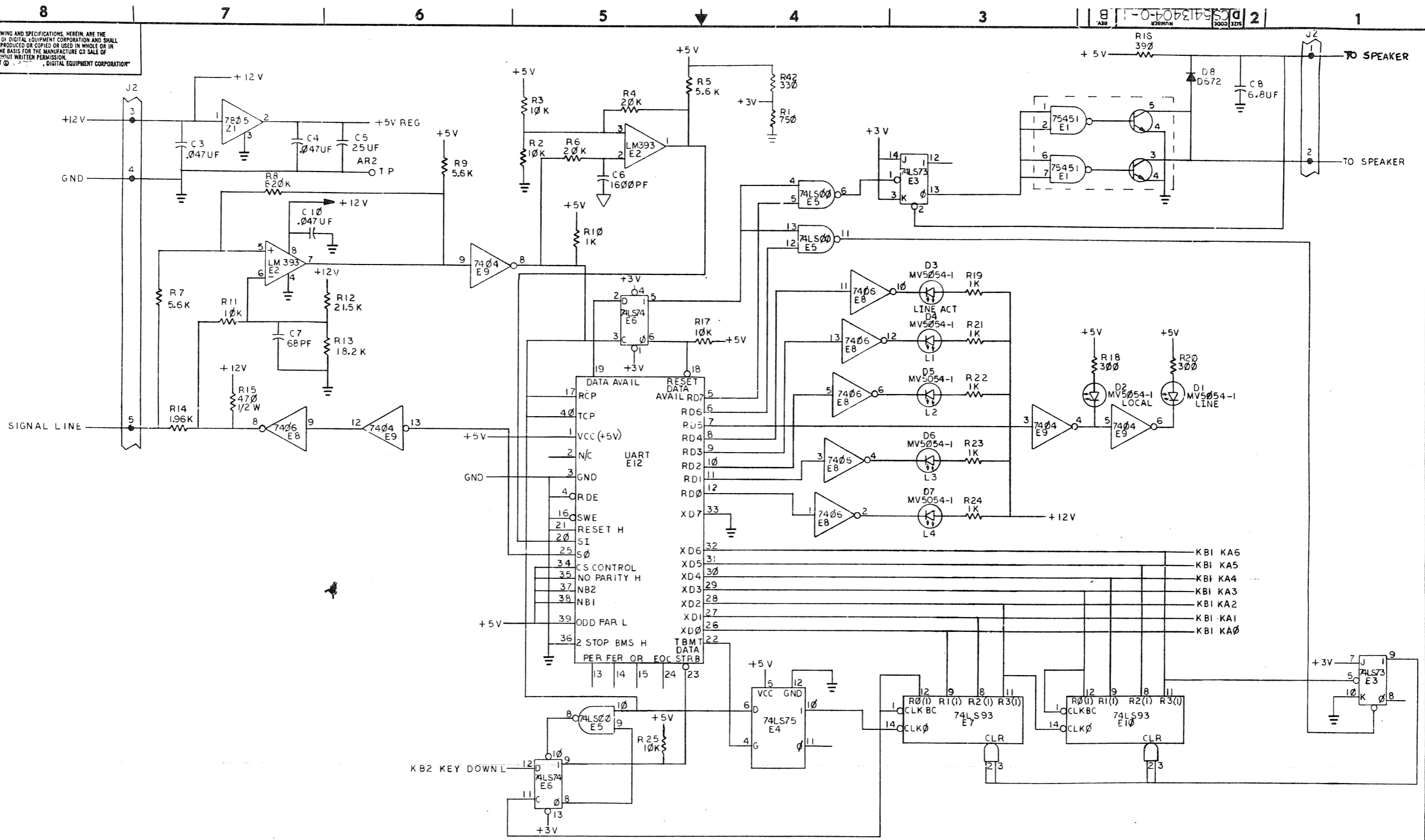
LK07 KEYBOARD
5013403C-P1 5413404

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY PER VARIATION | REFERENCE DESIGNATOR |
|------|------|------------------|-------------|--------------------------------|-------------------|-------------------------------|
| | | | | | 00 | |
| 1 | 1 | D-MD-5013403-0-0 | 5013403-00 | DRILL & ETCH DRAWING | 1 | |
| 2 | 2 | | 1000011-00 | 47.0 MMF 100V 5%200PPM DM15S | 1 | C7 |
| 3 | 3 | | 1000075-00 | 25 MFD 25V G% 30D AL EL | 1 | C5 |
| 4 | 4 | | 1001634-00 | 1600.0 MMF 100V 5%200PPM DM02S | 1 | C6 |
| 5 | 5 | | 1005306-00 | 6.8MFD 35V 10% S.TANT | 1 | C8 |
| 6 | 6 | | 1012784-00 | .047 MFD 50V -20+80 CER | 7 | C1,C2,C4,C9,C10,C11,C3 |
| 7 | 7 | | 1105275-00 | D 672 TR= 15NS PIV= 60V SI | 1 | D8 |
| 8 | 8 | | 1110324-00 | LED 1MCD@10MA PIV=3 | 7 | D1-D7 |
| 9 | 9 | | 1215048-00 | CONN 5POS RT ANGLE | 1 | J2 |
| 10 | 10 | | 1300309-00 | 390 1/4W 5% CC | 2 | R16,R42 |
| 11 | 11 | | 1300315-00 | 470 1/2W 5% CC | 1 | R15 |
| 12 | 12 | | 1300365-00 | 1 K 1/4W 5% CC | 6 | R10,R19,R21-R24 |
| 13 | 13 | | 1300439-00 | 3.3 K 1/4W 5% CC | 9 | R26-R33,R38 |
| 14 | 14 | | 1300479-00 | 10 K 1/4W 5% CC | 11 | R2,R3,R17,R25,R34-R37,R39-R41 |
| 15 | 15 | | 1301401-00 | 750 1/4W 5% CC | 1 | R1 |
| 16 | 16 | | 1301425-00 | 300 1/4W 5% CC | 2 | R18,R20 |
| 17 | 17 | | 1301874-00 | 5.6 K 1/4W 5% CC | 3 | R5,R7,R9 |
| 18 | 18 | | 1302391-00 | 20 K 1/4W 5% CC | 2 | R4,R6 |
| 19 | 19 | | 1303155-00 | 21.5 K 1/4W 1% RN55D-F 100PPM | 1 | R12 |
| 20 | 20 | | 1303187-00 | 820 K1/4W 5% CC | 1 | R8 |
| 21 | 21 | | 1303312-00 | 10.0 K 1/4W 1% RN55D-F 100PPM | 1 | R11 |
| 22 | 22 | | 1304833-00 | 1.96 K 1/4W 1% RN55D-F 100PPM | 1 | R14 |
| 23 | 23 | | 1309412-00 | 18.2 K 1/4W 1% RN55D-F 100PPM | 1 | R13 |
| 24 | 24 | | 1909686-00 | 7404 INVERTER GATE-HEX 1I | 1 | E9 |
| 25 | 25 | | 1910406-00 | 75451 DRIVER,PERIPH,DUAL, | 1 | E1 |
| 26 | 26 | | 1910741-00 | 7406 INVERTER GATE-HEX 1I | 1 | E8 |
| 27 | 27 | | 1912536-00 | DEC 7805 VOLT.REG.FIX | 1 | Z1 |
| 28 | 28 | | 1912649-00 | LS75 LATCH 4BIT,BISTABLE | 1 | E4 |
| 29 | 29 | | 1912799-00 | LS00 NAND-GATE-QUAD 2IN,P | 1 | E5 |

| REVISION HISTORY | | BASIC PART NO: 0400000 | | DRN: | T. SHETRAWSKI | DATE: | 30-MAR-78 | D I G I T A L | | |
|------------------|---------------|------------------------|-------------------------|------------------|---------------|-------|-----------|----------------------|------------|---------------|
| ENG | ECO NUMBER | REV | SECTION A OF A | CHK'D: | T. SHETRAWSKI | DATE: | 30-MAR-78 | TITLE | PARTS LIST | |
| --- | INIT | A | SECTION,VARIATION INDEX | CHK'D: | T. SHETRAWSKI | DATE: | 30-MAR-78 | | | |
| R.P. | 5413404-ML001 | B | [A] 00 | | | | | VT 100 FULL KEYBOARD | | |
| | | | [B] | | | | | | | |
| | | | [C] | DES.ENG: | M. MORGESTERN | DATE: | 30-MAR-78 | | | |
| | | | [D] | | | | | | | |
| | | | [E] | | | | | | | |
| | | | [F] | RESP.ENG.: | M. MORGESTERN | DATE: | 30-MAR-78 | DOCUMENT NUMBER | | |
| | | | [G] | | | | | | | |
| | | | [H] | | | | | SIZE | CODE | NUMBER |
| | | | [I] | | | | | | | REV |
| | | | [J] | | | | | | | |
| | | | [K] | MFG.ENG.: | T. CORCIARI | DATE: | 30-MAR-78 | K | PL | 5413404-0-DBP |
| | | | [L] | | | | | | | B |
| | | | [M] | ASSEMBLY NUMBER: | | | | FILE NAME: | | EDIT # |
| | | | [N] | D-UA-5413404-0-0 | | | | 13404B.PLS | | 10 |

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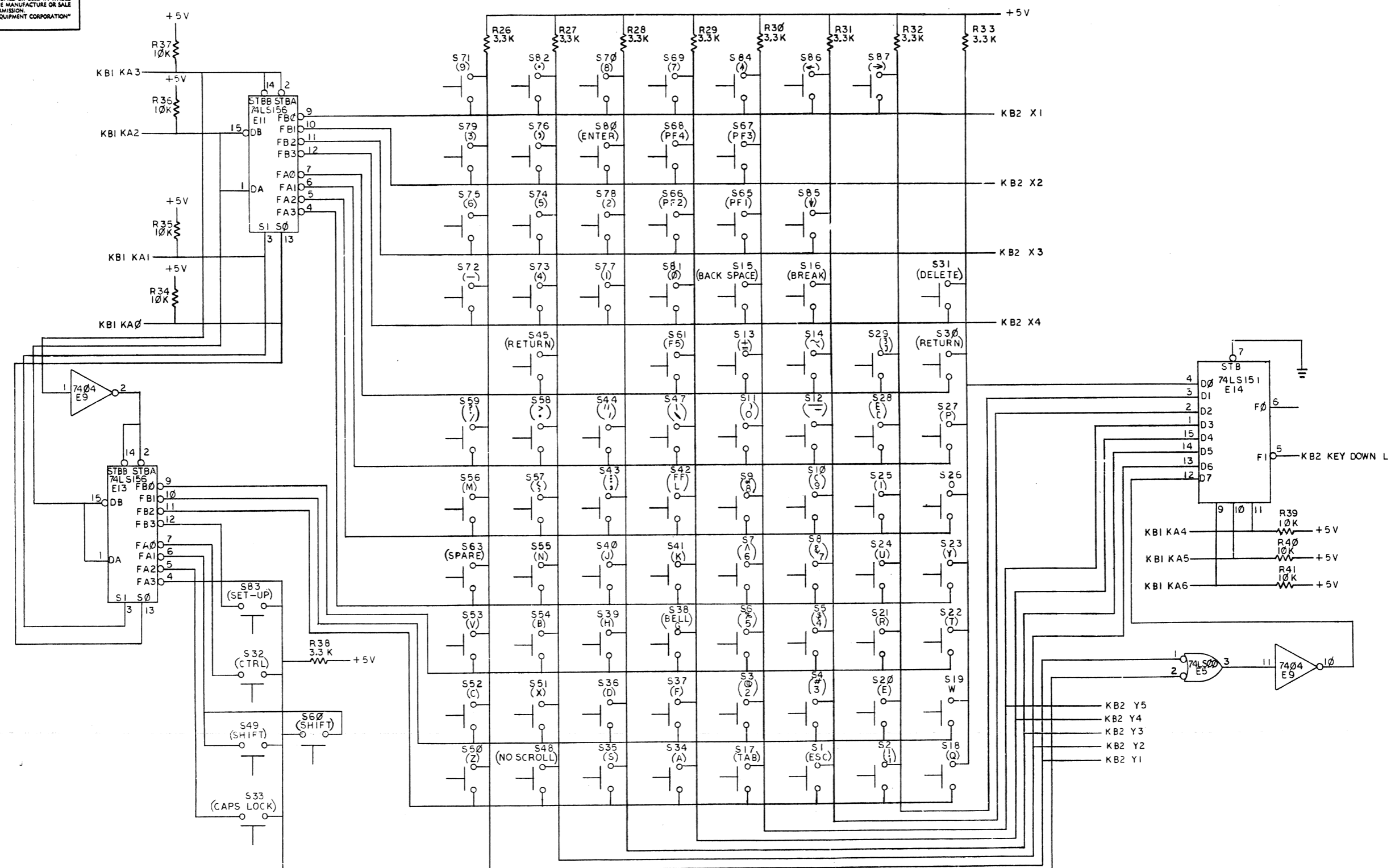
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| REV. | CHANGE NO. | DATE | BY | CHK'D |
|------|------------|------|-----------------|-------|
| B | | | M. L. DOOLITTLE | |
| | | | P. NICHOLLS | |
| | | | R. P. PUCCI | |

| | |
|------------------------|----------------------------------|
| DRN: 29 Nov 77 | FIRST USED ON: VT100 |
| CHK'D: [Signature] | TITLE: VT100 FULL KEYBOARD (KBI) |
| ENG'D: [Signature] | SIZE: D |
| PROJ. ENG: [Signature] | CODE: CS5413404-0-1 |
| PROD: [Signature] | NUMER: B |
| NEXT HIGHER ASSY: | REV: B |
| D-00-5413404-0-0 | SCALE: 1/1 |
| SHEET 1 OF 3 | DIST.: |

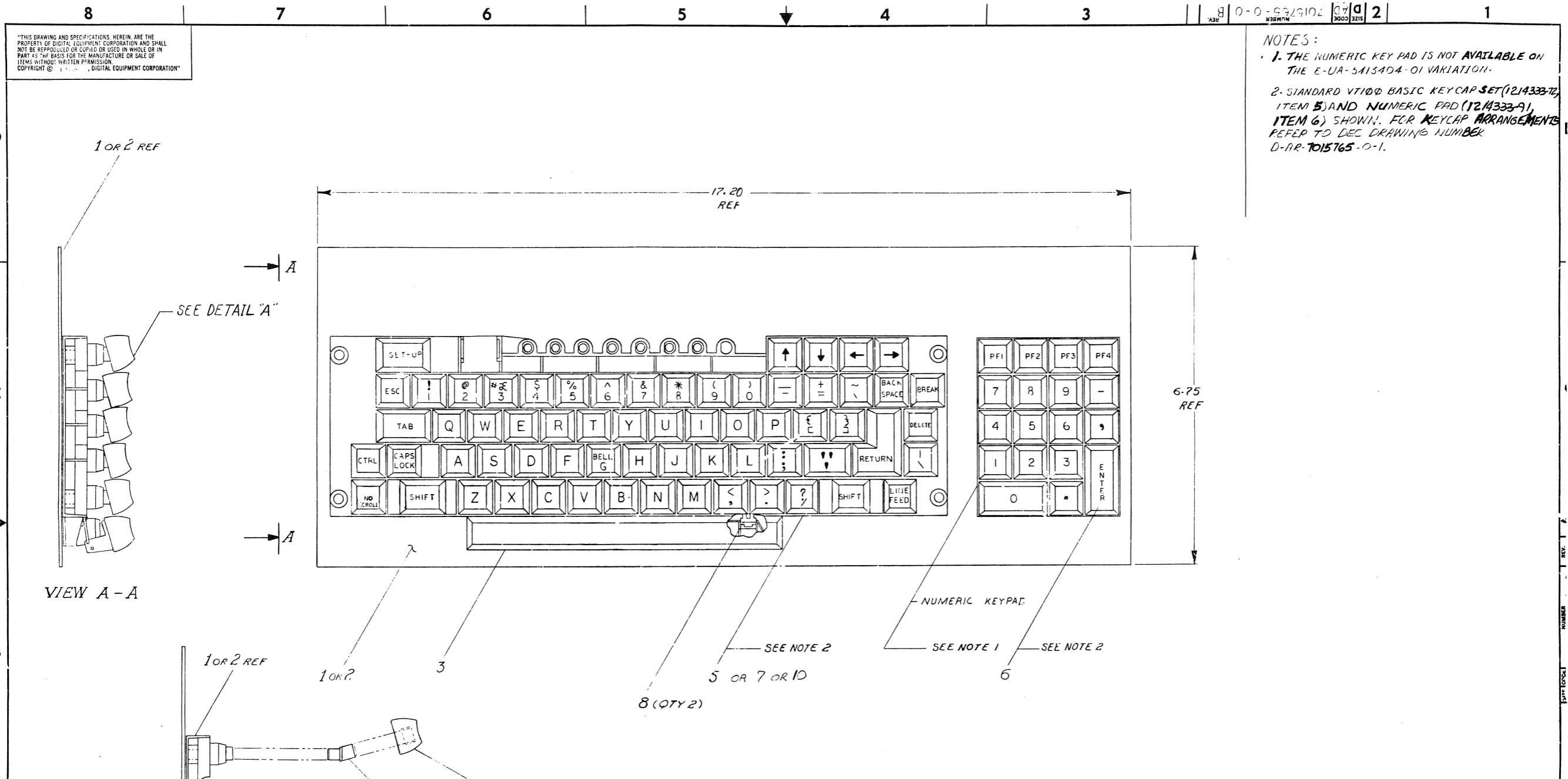
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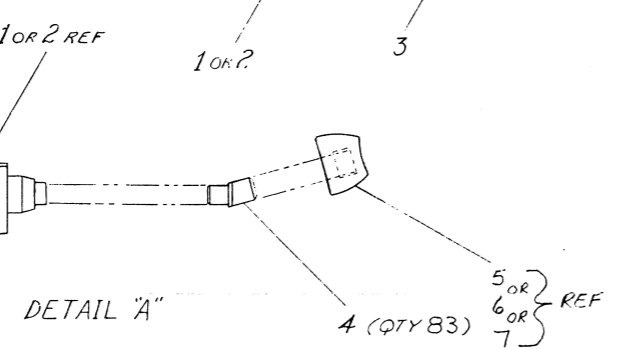
| REVISIONS | | |
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| CHK | CHANGE NO. | REV. |
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| | | | | | | | |
|-------|---------------------------|-----------|-----|--------|-------------|-------|---|
| TITLE | VT100 FULL KEYBOARD (KB2) | SIZE/CODE | DCS | NUMBER | 5413404-0-1 | REV. | B |
| SCALE | 1/1 | SHEET | 2 | OF | 3 | DIST. | |

NOTES:
 1. THE NUMERIC KEY PAD IS NOT AVAILABLE ON THE E-UA-5A1340A-01 VARIATION.
 2. STANDARD VT100 BASIC KEY CAP SET (12/14333-72, ITEM 5) AND NUMERIC PAD (12/14333-A), ITEM 6) SHOWN. FOR KEYCAP ARRANGEMENTS REFER TO DEC DRAWING NUMBER D-RR-7015765-0-1.



VIEW A-A



DETAIL "A"

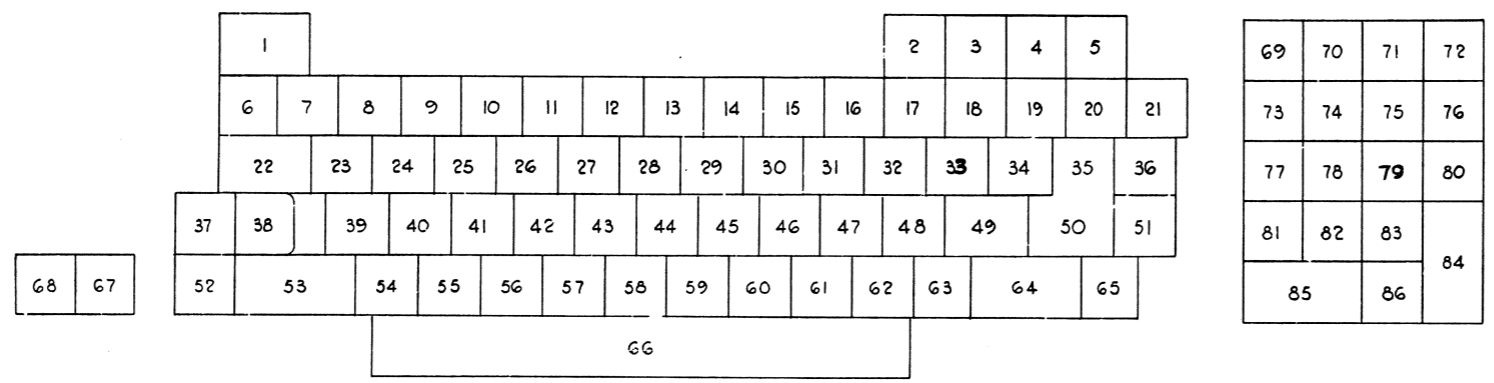
OFF SHEET PARTS LIST EXISTS
 SEE C-PL-7015765-0-0

| | | |
|-----------------|------------|------|
| REVISIONS | CHANGE NO. | REV. |
| CHK | POWER | 1 |
| W. WICKER | | |
| 7015765-MLOD2 B | | |
| L. KING | | |
| 1-8-79 | | |

| | | | |
|--------------------------------------|-----------------------------------------------------|-------------------|--------------------------------|
| THIRD ANGLE PROJECTION | DESCRIPTION | DWG. PART NO. | ITEM NO. |
| | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | |
| REMOVE BURRS AND BREAK SHARP CORNERS | ANGLES | CLASS OF ACCURACY | NOMINAL DIMENSION RANGE INCHES |
| | SURFACE QUALITY | (CHECK ONE) | OVER 0 TO 0.25 |
| DO NOT SCALE DWG | MICROMETERS | PREFERRED | 0.25 TO 0.50 |
| | FINISH | NONE | 0.50 TO 1.00 |
| MATERIAL | DRY | 3-10-79 | FIRST USED ON |
| SEE PARTS LIST | CHK'D | 25-10-79 | VT100 |
| NONE | ENG. | 12-14-79 | TITLE |
| | PROJ. ENGR. | 12-14-79 | KEY BOARD / |
| | PROD. ENGR. | 5-10-78 | KEY CAP ASSY |
| | NEXT HIGHER ASSY. | | |
| | B-DD-7015765-0 | SIZE | CODE |
| | SCALE NONE | E | AD |
| | SHEET 1 OF 1 | DIST. | |
| | | NUMBER | REV. |
| | | 7015765-0-0 | B |

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NOTES:
1. THE FOLLOWING TABLE (SHEET 2) LISTS VARIATION NUMBERS FOR 124333 (KEYCAPS) INDICATING THE SPECIFIC KEYBOARD POSITION OF EACH, AS USED ON VARIOUS MODELS.



KEYBOARD CAP POSITIONS
(SEE NOTE 1 & TABLE, SHEET 2)

| | |
|---------------|------------|
| REVISIONS | REV. |
| CHK | CHANGE NO. |
| 7015765-ML002 | A |
| L. KING | 1-8-79 |

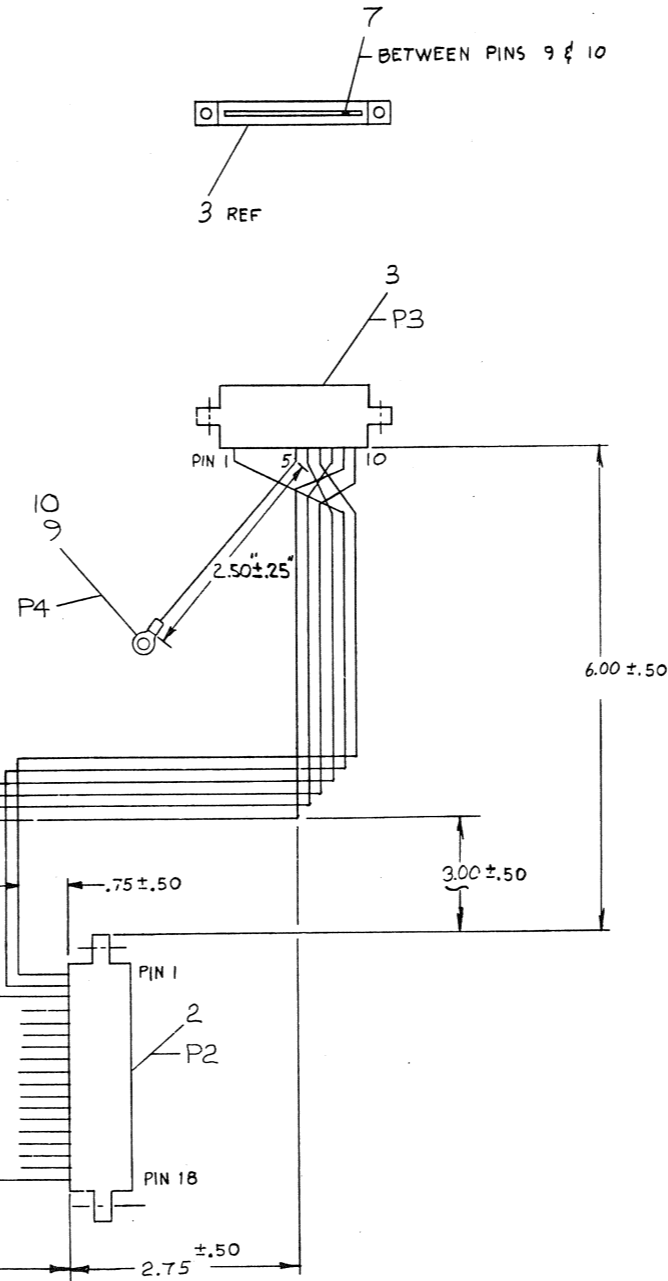
| | | | | | | | | |
|--------------------------------------|------------------------------------------------------|-------------------|--------------------------------|-----------------|-----------------|------------------|-------------------|-------------------|
| THIRD ANGLE PROJECTION | DESCRIPTION | CW: 1/PART NO. | ITEM NO. | | | | | |
| | UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES | | | | | | | |
| REMOVE BURRS AND BREAK SHARP CORNERS | ANGLES 45°/30° | CLASS OF ACCURACY | MUN. DIMENSION RANGE INCHES | | | | | |
| | SURFACE QUALITY IN | (CHECK ONE) | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 |
| DO NOT SCALE DWG | MICROINCHES | MEDIUM | ±.004 | ±.008 | ±.012 | ±.016 | ±.024 | ±.04 |
| | PREFERRED | | ±.012 | ±.016 | ±.025 | ±.04 | ±.063 | ±.1 |
| MATERIAL | DRN. Approved | DATE JUN 78 | FIRST USED ON | | | | | |
| FINISH | CHK'D | DATE JUN 78 | VT100 Digital | | | | | |
| | ENG. E. J. King | DATE JUN 78 | TITLE | | | | | |
| | PROD. E. J. King | DATE JUN 78 | KEYBD CAP-POSITION ARRANGEMENT | | | | | |
| | NEXT HIGHER ASSY. | | | | | | | |
| | D-AD-7015765-0-0 | SIZE | CODE | | | | | |
| | SCALE NONE | D | AR | | | | | |
| | SHEET OF 2 | DIST. | | | | | | |
| | | NUMBER | REV. | | | | | |
| | | 7015765-0-1 | A | | | | | |

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| WIRE TABLE | | | | | | | |
|------------|-----|-------|-------|------|-------|------|---------|
| ITEM NO | AWG | COLOR | FROM | | TO | | REMARKS |
| | | | CONN. | WITH | CONN. | WITH | |
| 5 | 18 | RED | PI-22 | 4 | P2-18 | 4 | |
| | | ORN | PI-21 | | P2-17 | | |
| | | GRN | PI-20 | | P2-16 | | |
| | | BLU | PI-19 | | P2-15 | | |
| | | GRY | PI-18 | | P2-14 | | |
| | | WHT | PI-17 | | P2-13 | | |
| | | BLK | PI-16 | | P2-12 | | |
| | | RED | PI-15 | | P2-11 | | |
| | | ORN | PI-14 | | P2-10 | | |
| | | GRN | PI-13 | | P2-9 | | |
| 6 | 18 | BLU | PI-12 | | P2-8 | | |
| | | GRY | PI-11 | | P2-7 | | |
| | | WHT | PI-10 | | P2-6 | | |
| | | BLK | PI-9 | | P2-5 | | |
| | | RED | PI-8 | | P2-4 | | |
| | | ORN | PI-7 | | P2-3 | | |
| | | GRN | PI-4 | | P3-9 | | |
| | | BLU | PI-3 | | P3-8 | | |
| | | GRY | PI-2 | | P3-10 | | |
| | | WHT | PI-1 | 4 | P3-6 | | |
| 10 | GRN | P4 | 9 | P3-5 | | GRD. | |
| 6 | ORG | P2-1 | 4 | P3-7 | | | |
| 6 | 18 | ORG | P2-2 | 4 | P3-1 | 4 | |

NOTES:
 1. IDENTIFICATION: DECAL USING 1/8" CHARACTER HEIGHT AS INDICATED BELOW TO HIGHEST LEVEL OF SUBASSEMBLY SPECIFIED ON PURCHASE ORDER AND LOCATE APPROX. AS SHOWN ON DRAWING.
 A.) PART NUMBER
 B.) REVISION
 C.) VENDOR IDENTIFICATION
 D.) DATE, CODE

8
 LOCATE APPROX AS SHOWN NEAR SIDE

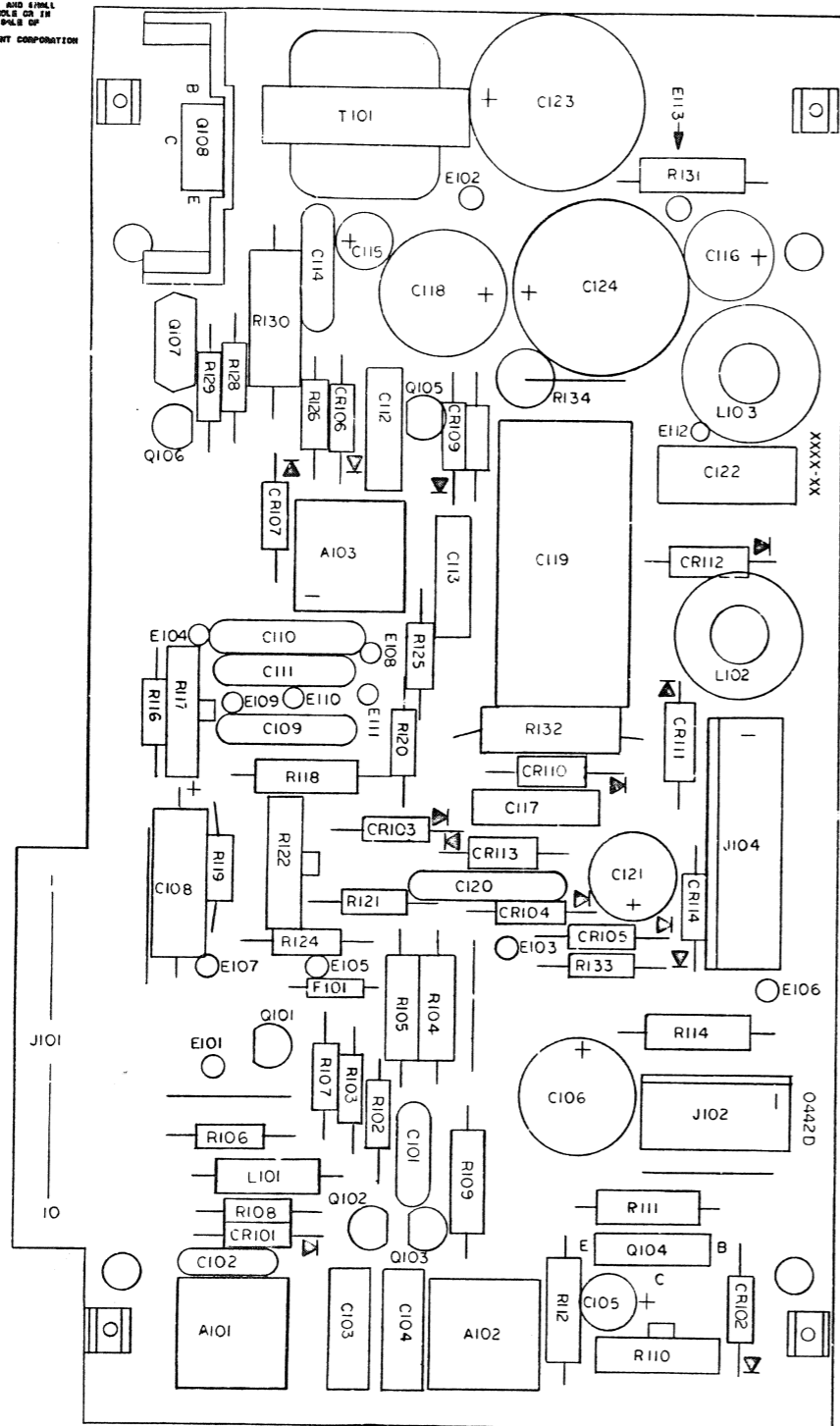


| QTY | DESCRIPTION | DWG./PART NO. | ITEM NO. |
|-----|-----------------------------|---------------|----------|
| 44 | CABLE, STRANDED (GRN) | 9107360-55 | 10 |
| 1 | RING, TERMINAL | 9007929-00 | 9 |
| 1 | LABEL, IDENTIFICATION | 3615300-00 | 8 |
| 1 | PLUG, KEY | 1213909-00 | 7 |
| 1 | CABLE, 6 COND. FLAT | 1700125-00 | 6 |
| 1 | CABLE, 16 COND. FLAT | 1700125-01 | 5 |
| 44 | PIN, CRIMP | 1213806-02 | 4 |
| 1 | CONN. HOUSING (10 PIN) (P3) | 1213803-00 | 3 |
| 1 | CONN. HOUSING (18 PIN) (P2) | 1213803-01 | 2 |
| 1 | CONN. HOUSING (22 PIN) (P1) | 1213803-02 | 1 |

| | | | | |
|--------------------------------------|--|-----------------------------------|---------------|-------------------------|
| THIRD ANGLE PROJECTION | | DRN. <i>J. BITTO</i> 10/21/77 | FIRST USED ON | digital |
| REMOVE BURRS AND BREAK SHARP CORNERS | | CHK'D BY <i>J. BITTO</i> 10/21/77 | VT 100 | |
| DO NOT SCALE DWG | | ENG. <i>J. BITTO</i> 10/21/77 | TITLE | POWER CABLE ASSY |
| MATERIAL SEE PARTS LIST | | PROD. <i>J. BITTO</i> 5/10/78 | SIZE | D |
| FINISH | | SCALE NONE | CODE | IA |
| | | SHEET 1 OF 1 | NUMBER | 7014973-0-1 |
| | | | REV. | A |

| REV. | CHANGE NO. | DATE | BY |
|------|------------|----------|----------|
| 1 | 104578-01 | 10-21-77 | J. BITTO |
| 2 | 104578-02 | 12-13-78 | J. BITTO |

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| REF SYM | DESCRIPTION | PART NUMBER |
|-------------------------------------------------------|---------------------------|-------------|
| RESISTOR, FIXED, CARBON, 5%, 1/4W UNLESS NOTED | | |
| R101 | 47 | 70-16-0470 |
| R102 | 30 | 70-16-0300 |
| R103 | 47 | 70-16-0470 |
| R104 | 220, 1/2W | 1-011-2254 |
| R105 | 820, 1/2W | 1-011-2268 |
| R106 | 470 | 70-16-0471 |
| R107 | 360 | 70-16-0361 |
| R108 | 100K | 70-16-0104 |
| R109 | 180, 1/2W | 1-011-2252 |
| R110 | VAR, 250 20%, CO VERT HGT | 70-89-0251 |
| R111 | 12, 1/2W | 1-011-2224 |
| R112 | 15, 1/2W | 1-011-2226 |
| R113 | NOT USED | 1-011-2226 |
| R114 | 1.5K, 1/2W | 1-011-2274 |
| R115 | NOT USED | 1-011-2274 |
| R116 | 62K | 70-16-0623 |
| R117 | 100K, 20P | 1-011-5435 |
| R118 | 30K, 1/2W | 1-011-2305 |
| R119 | 9.1K | 70-16-0912 |
| R120 | 8.2M | 70-16-0825 |
| R121 | 100K | 70-16-0104 |
| R122 | VAR, 2.5M 20%, CO FOC ADJ | 1-011-5566 |
| R123 | NOT USED | 1-011-5566 |
| R124 | 510 | 70-16-0511 |
| R125 | 1K | 70-16-0102 |
| R126 | 20K | 70-16-0203 |
| R127 | 3.3K | 70-16-0332 |
| R128 | 15K | 70-16-0153 |
| R129 | 2.4K | 70-16-0242 |
| R130 | 56 10, 3W, WW | 1-011-2521 |
| R131 | 1.2, 1/2W, CO | 1-011-2520 |
| R132 | 1.2 10%, 2W, WW | 1-011-1395 |
| R133 | 6.8K | 70-16-0682 |
| R134 | 1.8, 2W | 1-011-2417 |
| R135 | NOT USED | 1-011-2417 |
| TRANSFORMER | | |
| T2 | HIGH VOLTAGE | 6-003-0586 |
| T101 | HORIZ DRIVER | 1-017-5402 |
| MISCELLANEOUS | | |
| *CRT SOCKET | | 1-022-0427 |
| WIRE STD GRN | | 1-038-0345 |
| HEATSINK | | 1-015-5059 |
| WIRE STD BLU | | 1-038-0346 |
| WIRE STD RED | | 1-038-0342 |
| CONTACT, FEMALE 6 2 | | 1-034-0362 |
| MCSGR 6-32X1/4 | | 3-011-0310 |
| NUT 6-32 | | 3-012-0161 |
| LK WGR #5 | | 3-013-0160 |
| PIB | | 1-029-0442 |
| CONTACT, MALE | | 1-034-0295 |
| CSN SHELL, 1 CONT FEMALE | | 1-034-0323 |
| WIRE TERMINATION DATA | | |
| E103 | CRT SOCKET YEL LEAD | |
| E105 | CRT SOCKET BRN LEAD | |
| E107 | CRT SOCKET BLK LEAD | |
| E108 | CRT SOCKET RED LEAD | |
| E109 | CRT SOCKET WHT LEAD | |
| E110 | GRN WIRE 6.5 INCHES | |
| E111 | CRT SOCKET GRN LEAD | |
| E112 | BLUE WIRE, 10 INCHES | |
| E113 | RED WIRE, 10 INCHES | |

| REF SYM | DESCRIPTION | PART NUMBER |
|------------------------------------------|------------------------------|-------------|
| PARTS LIST, TVX 120 DEC | | |
| A101 | RES TRIM, 60K, VERT HOLD | 1-011-8005 |
| A102 | RES TRIM, 20K, VERT LIN | 1-011-8005 |
| A103 | RES TRIM, 2.5K, VIDED CENTER | 1-011-8001 |
| CAPACITOR, FIXED, UF UNLESS NOTED | | |
| C101 | 270PF 5%, 500V, DM | 1-012-0396 |
| C102 | .005 20%, 100V, CO | 10-12-7508 |
| C103 | .22 10%, 100V, MY | 1-012-2277 |
| C104 | .22 10%, 100V, MY | 1-012-2277 |
| C105 | .68 50V, E | 1-012-2264 |
| C106 | 470, 6 3V, E | 1-012-2158 |
| C107 | NOT USED | |
| C108 | .22, 27V, E | 1-012-1380 |
| C109 | .01 20%, 1000V, CO | 1-012-2214 |
| C110 | .02 20%, 1000V, CO | 1-012-2217 |
| C111 | .01 20%, 1000V, CO | 1-012-2214 |
| C112 | .0022 10%, 630V, MY | 1-012-2254 |
| C113 | .0047 20%, 630V, MY | 1-012-2279 |
| C114 | .02 20%, 100V, CO | 10-12-7209 |
| C115 | 1, 50V, E | 1-012-2189 |
| C116 | 50, 50V, E | 1-012-2157 |
| C117 | .047 20%, 250V, MY | 1-012-2240 |
| C118 | 220, 25V, B | 1-012-2159 |
| C119 | 10 10%, 100V, MY | 1-012-2255 |
| C120 | .02 20%, 500V, CO | 1-012-0780 |
| C121 | 50, 50V, E | 1-012-2157 |
| C122 | .022 10%, 250V, PP | 1-012-2297 |
| C123 | 10, 25V, ER | 1-012-2273 |
| C124 | 10, 26V, ER | 1-012-2273 |
| DIODE | | |
| CR1 | 00424 | 1-021-0424 |
| CR101 | 00410 | 1-021-0410 |
| CR102 | 00410 | 1-021-0410 |
| CR103 | 00410 | 1-021-0410 |
| CR104 | 00410 | 1-021-0410 |
| CR105 | 00410 | 1-021-0410 |
| CR106 | 00410 | 1-021-0410 |
| CR107 | 00410 | 1-021-0410 |
| CR108 | NOT USED | |
| CR109 | 00410 | 1-021-0410 |
| CR110 | 00403 | 1-021-0410 |
| CR111 | 00458 | 1-021-0458 |
| CR112 | 00458 | 1-021-0458 |
| CR113 | 00403 | 1-021-0403 |
| CR114 | 00410 | 1-021-0410 |
| FUSE | | |
| F101 | 27-125V P100 | 1-028-0247 |
| CONNECTORS | | |
| J102 | CONNECTOR, 4 PIN MALE | 1-039-0146 |
| J103 | NOT USED | |
| J104 | CONNECTOR, 7 PIN MALE | 1-039-0145 |
| COIL | | |
| L1 | VERTICAL CHoke | 6-003-0572 |
| L2 | DEFLECTION, TVX 120/12V | 1-023-0246 |
| L101 | 560UH | 1-016-0302 |
| L102 | LINEARITY | 1-016-0328 |
| L103 | WIDTH | 1-016-0303 |
| TRANSISTOR | | |
| Q101 | 2N5830 | 1-015-1172 |
| Q102 | 2N6027 | 1-015-1157 |
| Q103 | MPS-465 | 1-015-1186 |
| Q104 | MJE3055 | 1-015-1156 |
| Q105 | 2N4124 | 1-015-1139 |
| Q106 | 2N4124 | 1-015-1139 |
| Q107 | MPS-405 | 1-015-1159 |
| Q108 | BU407 | 1-015-1210 |

NOTES:
 1. REFERENCE SCHEMATIC 1-024-0603
 2. ALL REFERENCE SYMBOL NUMBERS 1 TO 99 ARE USED FOR ALL OFF BOARD COMPONENTS AND NUMBERS 100 TO 999 ARE USED FOR THE PWA COMPONENTS.
 3. ALL PWA COMPONENTS PRECEDED WITH AN ASTERISK ARE NOT PART OF THE BASIC BOARD 6-200-0001.

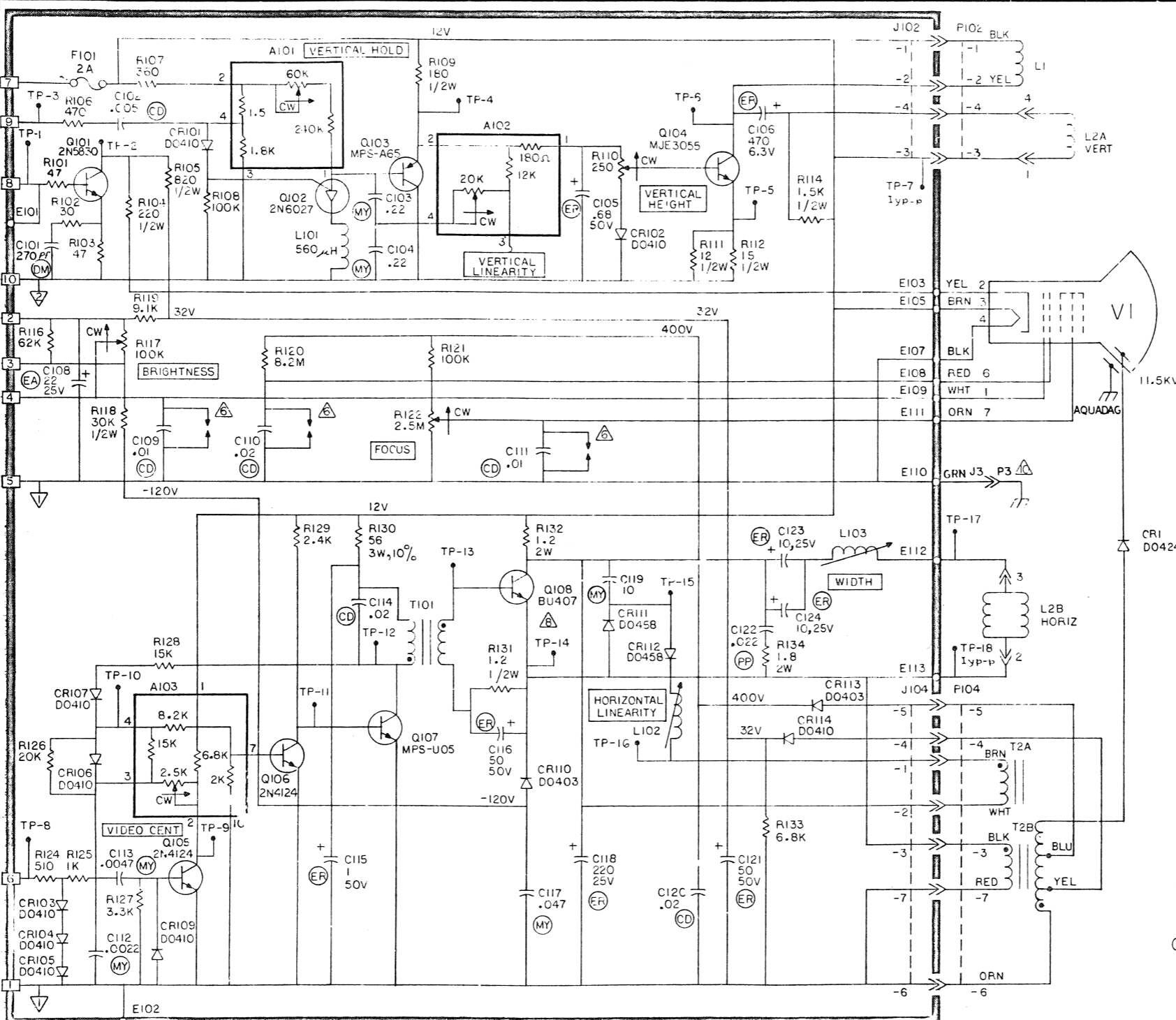
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NOTES:
 1) FLYBACK TRANSFORMER REPLACEMENT 3014590-01
 2) PRINTED CIRCUIT BOARD REPLACEMENT 3014590-02

| CHANGE NO | REV |
|-----------|-----|
| | |
| | |
| | |

| | | | |
|---------------------------|--|---------|---------------------------------------|
| SIGNATURES | | DATE | digital |
| DRN. | | 8-29-78 | |
| CHK'D. | | 8-29-78 | TITLE SCHEMATIC TVX120/DEC 12 VOLT |
| ENG. | | | |
| PWD. | | | SCALE 1 OF 2 REV A |
| ETCH REV. | | | |
| PWG DESIGN DATA ENSE REV. | | | SIZE CODE 0 CS |
| | | | NUMBER 3014590-0-1 |
| | | | REV A |

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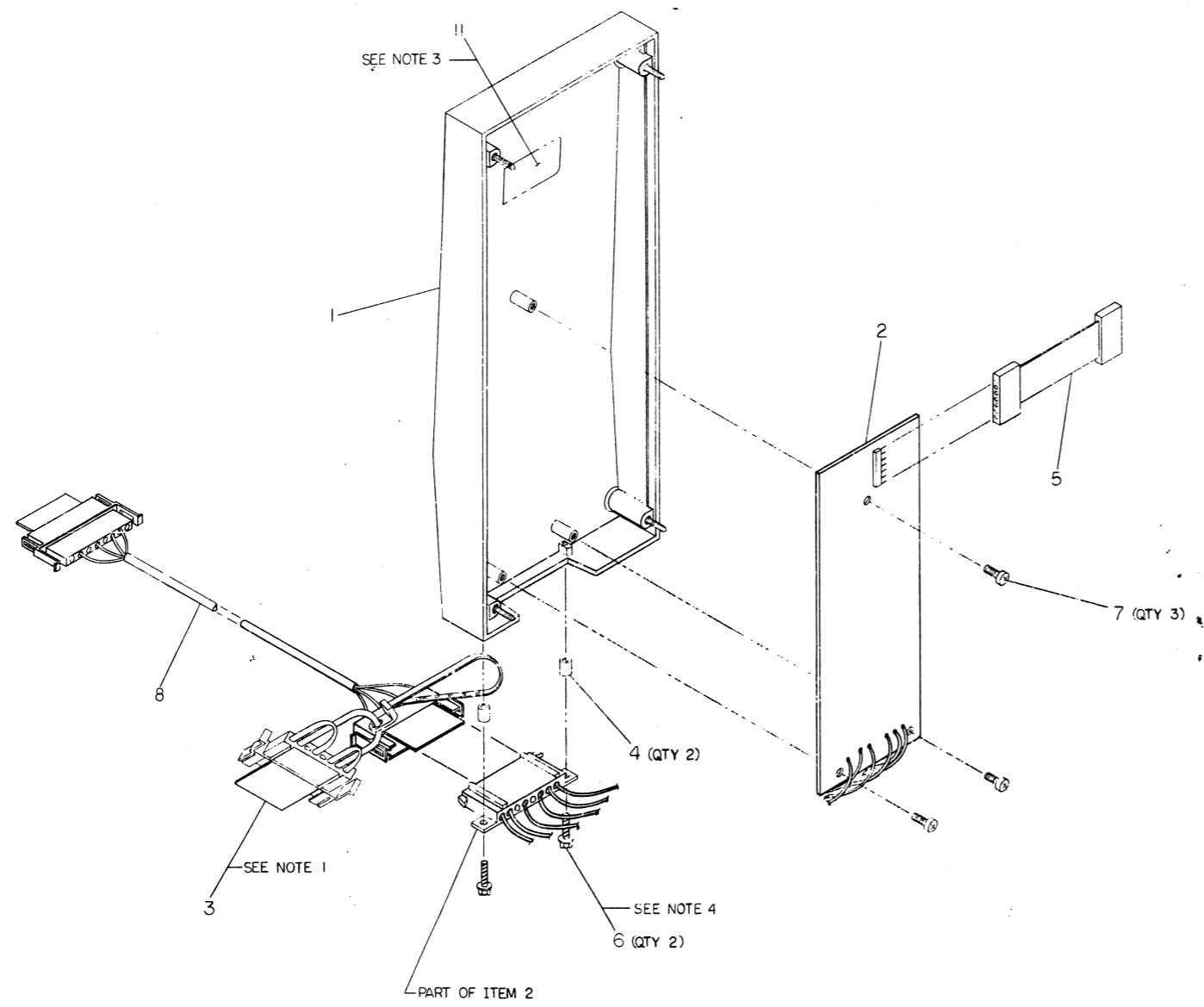
- GENERAL NOTES: UNLESS OTHERWISE SPECIFIED
1. ALL RESISTORS 1/4W, 5%, VALUE IN OHMS.
 2. ALL CAPACITOR VALUES IN MICROFARADS. FOR CAPACITOR TYPES, SEE NOTE NO. 1.
 3. [Symbol] DENOTES JIGI PC CARD EDGE CONNECTOR.
 4. [Symbol] DENOTES CONNECTION TO OFF BOARD COMPONENTS.
 5. REFERENCE DESIGNATIONS NOT USED: J103, C107, CR118, R101, R113, R115, R123. LAST REFERENCE DESIGNATION USED: R134, C124.
- PROTECTIVE ARC CAPS ARE AN INTEGRAL PART OF FRIMTED WIRE BOARD.
- THE FWB CIRCUIT GROUNDS ARE BROUGHT OUT SEPARATELY TO PINS 1, 5 AND 10 OF J101. FWB CIRCUIT GROUNDS FOR PINS 1 AND 5 OF J101 ARE CONNECTED TOGETHER BY A JUMPER WIRE ON THE BOARD AND ARE CONNECTED TO CHASSIS GROUND VIA A WIRE FROM E110.
- [Symbol] DENOTES HEATSINK
- [Symbol] = DIPPED MICA
- [Symbol] = CERAMIC DISC
- [Symbol] = MYLAR
- [Symbol] = ELECTROLYTIC AXIAL
- [Symbol] = ELECTROLYTIC RADIAL
- [Symbol] = POLYPROPYLENE
- [Symbol] GROUNDED TO AQUADAG OF CRT BY SPRING

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| REV. | CHG. | NO. |
|------|------|-----|
| | | |

| | |
|-------------------------------------|---------------|
| DRN: <i>[Signature]</i> 12/15 | FIRST USED ON |
| CHK'D: <i>[Signature]</i> 12-17 | VT130 |
| ENG: <i>[Signature]</i> 12-17 | TITLE |
| PROJ. ENG. <i>[Signature]</i> 12-17 | SCHEMATIC |
| FROD: | TVX120/DEC |
| | 12 VOLT |
| NEXT HIGHER ASSY: | SIZE |
| E-UA-VT.20-0-0 | D |
| SCALE NONE | CODE |
| SHEET 2 OF 2 | NUMBER |
| | DIST. |

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- NOTES:
1. INSERT CONN. (ITEM 3) INTO CONN. OF (ITEM 2) FOR TESTING OPTION.
 2. PACKAGING: WHEN SHIPPED, MATERIAL SHALL BE ADEQUATELY PROTECTED FROM HANDLING AND SHIPPING DAMAGE USING DIGITAL PACKAGING INSTRUCTION A-SP-3700380-09
 3. LOCATE APPROX. AS SHOWN ON DWG.
 4. TORQUE (ITEM 6) TO 2.5 IN-LBS ± .5 IN-LBS.

| | | | |
|---|-------------------------------|-----------------|----|
| 1 | LABEL, ADM. BACKED (SER. NO.) | A-PS-3613210-02 | 11 |
| 1 | SHIPPING LIST | B-PL-VT1XX-A | 10 |
| 1 | PACKAGING INSTRUCTIONS | A-SP-3700380-09 | 9 |
| 1 | CABLE INTERFACE (BC05F) | C-UA-8C05F-15-0 | 8 |
| 3 | S. R. WASH. #6-32 X .312 LG. | 9009701-00 | 7 |
| 2 | SCR. SELF TAP #6-20 X .62 LG. | 9010097-00 | 6 |
| 1 | CAPAC. INTERNAL | C1A-7015506-08 | 5 |
| 2 | SPAC. R. T. IND. 25 X .25 | 9009670-02 | 4 |
| 1 | 20 MA LOCK-BACK CONN. | D1A-7155C3-0-0 | 3 |
| 1 | 20 MA ADAPTER ASSY | E1A-7015273-0-0 | 2 |
| 1 | WORT ECK ASSY | F1A-7015976-0-0 | 1 |

| | |
|----------------------------------------------------------------------------|---------------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | |
| ANGLES | CLASS OF ACCURACY |
| SURFACE QUALITY | FINISH |
| QUANTITY & VARIATION | PREFERRED |
| THIRD ANGLE PROJECTION | PRINT USED ON |
| DRN. / CHK'D. / ENGR. / PROJ. / DESIGNED BY / DRAWN BY / CHECKED BY / DATE | VT100 |
| TITLE | 20 MA CURRENT LOOP OPTION |
| SCALE | 1:1 |
| DATE | REV. 0001 |
| FILE | VT1XX |
| DESIGNER | REV. 0001 |
| SCALE | 1:1 |
| DATE | REV. 0001 |
| FILE | VT1XX |

REVISIONS
 1. CHANGE NO. 1
 2. CHANGE NO. 2
 3. CHANGE NO. 3
 4. CHANGE NO. 4
 5. CHANGE NO. 5
 6. CHANGE NO. 6
 7. CHANGE NO. 7
 8. CHANGE NO. 8
 9. CHANGE NO. 9
 10. CHANGE NO. 10

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DUA 5413206-0-0 B 2

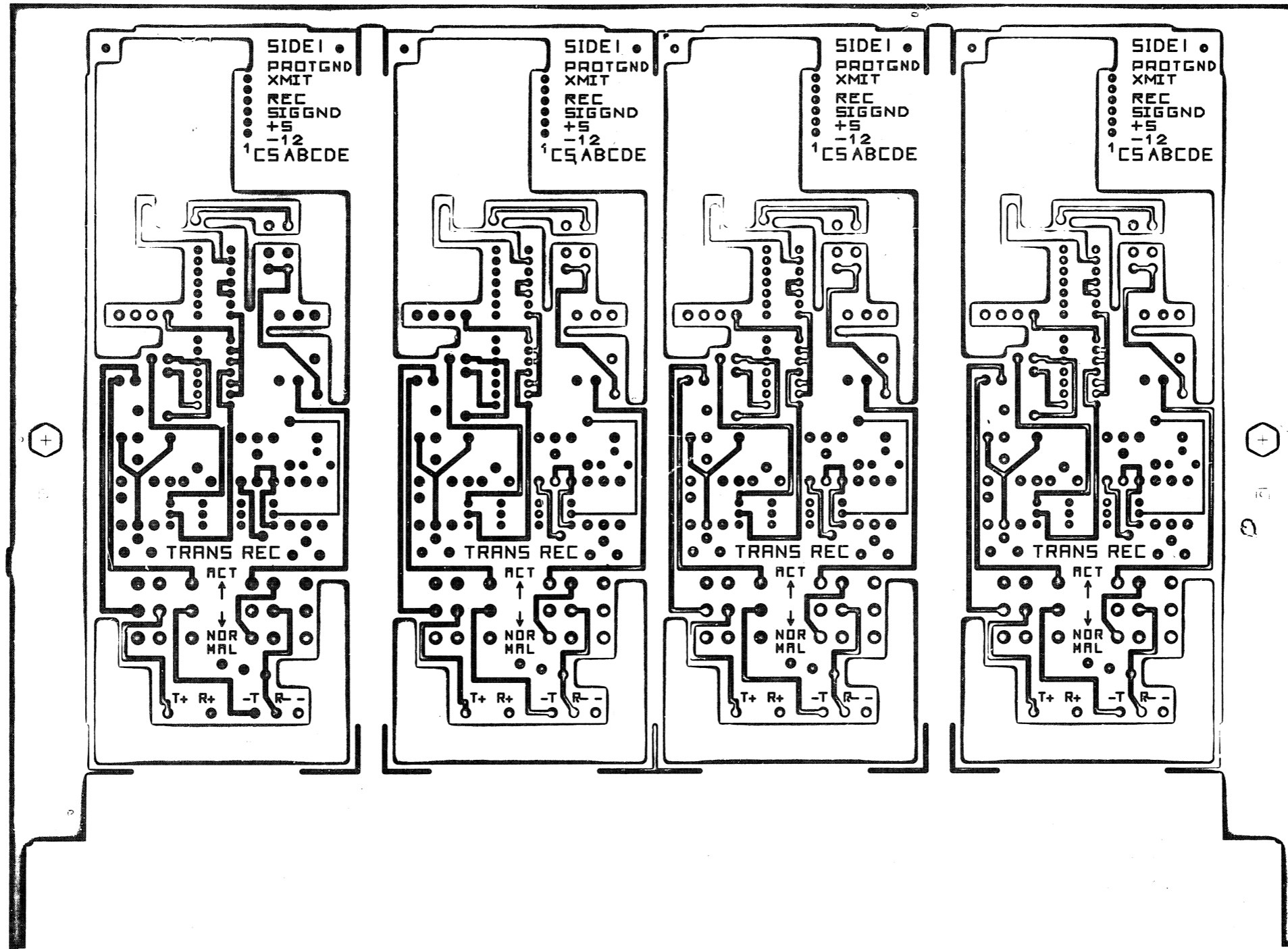
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5013205C
5413206

5013205C
5413206

5013205C
5413206

5013205C
5413206



VIEWED FROM SIDE 1

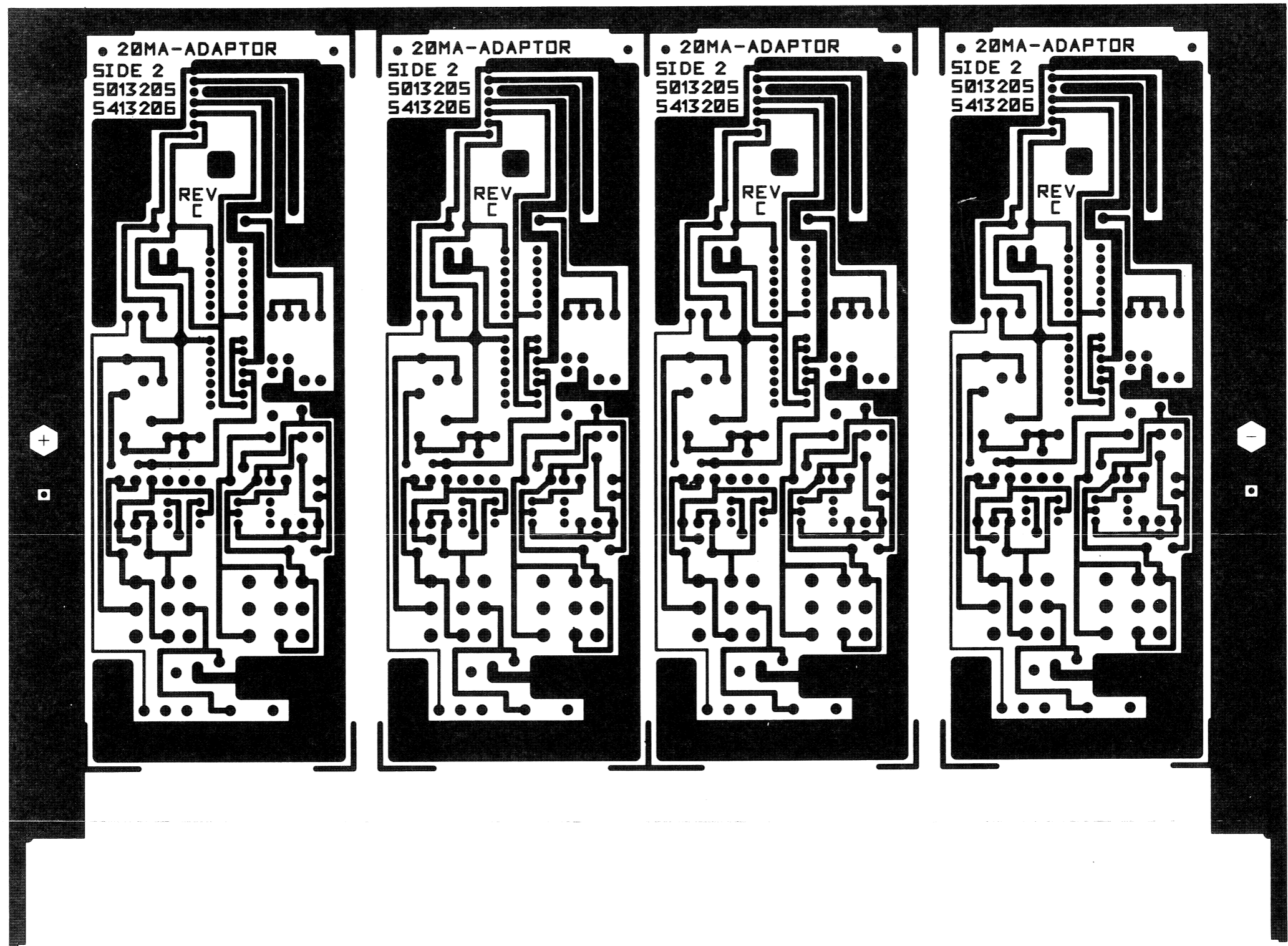
| REVISIONS | | |
|-----------|-----------|-----|
| CHK | CHANGE NO | RE. |
| | | |

| | | | | | | | |
|-------|---------------|-----------|--------|--------|-------------|------|---|
| TITLE | 20 MA ADAPTOR | SIZE CODE | DUA | NUMBER | 5413206-0-0 | REV. | B |
| SCALE | 2:1 | SHEET | 2 OF 3 | DIST | | | |

D
C
B
A

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DJA 5413206-0-0 B



VIEWED FROM SIDE 2

| REVISIONS | | |
|-----------|-----------|-----|
| CHK | CHANGE NO | REV |
| | | |

| | | | | | | | |
|-------|---------------|-----------|------|--------|-------------|------|---|
| TITLE | 20 MA ADAPTOR | SIZE CODE | D UA | NUMBER | 5413206-0-0 | REV | B |
| SCALE | 2:1 | SHEET | 3 | OF | 3 | DIST | |

DJA 5413206-0-0 B

| LINE | ITEM | DOCUMENT NO. | PART NO. | DESCRIPTION | QTY | REFERENCE DESIGNATORS |
|------|------|------------------|------------|-----------------------------------------|-----|-----------------------|
| 1 | 1 | D-MD-5013205-0-0 | 5013205-00 | ETCH BOARD FOR 5413206 | 1 | |
| 2 | 2 | | 1000022-00 | 270.0 MMF 100V 5%200PFM DM15S (10-00 | 2 | C3,C5 |
| 3 | 3 | | 1001610-00 | .01 MFD 50V Z5U 309CER/8000PF MIN | 3 | C1,C2,C4 |
| 4 | 4 | | 1105275-00 | D 672 TR= 15NS PIV= 60V SP | 3 | D1,D2,D4 |
| 5 | 5 | | 1105610-00 | MCL1301 CL@1MA FROM10-80V | 1 | D3 |
| 6 | 6 | | 1215048-01 | CONN 7POS RT ANGLE | 1 | J1 |
| 7 | 7 | | 1215089-00 | SW,SLIDE 3P 1A DBLE THROW | 2 | S1,S2 |
| 8 | 8 | | 1300197-00 | 33 1/4W 5% CC (13-00 | 1 | R2 |
| 9 | 9 | | 1300250-00 | 150 1/4W 5% CC (13-00 | 2 | R11,R15 |
| 10 | 10 | | 1300296-00 | 330 1/2W 5% CC (13-00 | 4 | R8,R9,R10,R12 |
| 11 | 11 | | 1300309-00 | 390 1/4W 5% CC (13-00 | 2 | R1,R14 |
| 12 | 12 | | 1300391-00 | 1.5 K 1/4W 5% CC (13-00 | 1 | R7 |
| 13 | 13 | | 1300444-00 | 3.9 K 1/4W 5% CC (13-00 | 1 | R6 |
| 14 | 14 | | 1300539-00 | 120 K 1/4W 5% CC (13-00 | 1 | R4 |
| 15 | 15 | | 1301327-00 | 68 K 1/4W 5% CC (13-00 | 1 | R13 |
| 16 | 16 | | 1301401-00 | 750 1/4W 5% CC (13-00 | 1 | R3 |
| 17 | 17 | | 1301422-00 | 7.5 K 1/4W 5% CC (13-00 | 1 | R5 |
| 18 | 18 | | 1509338-00 | DEC6531B NPN 310MW SI 40 90 P | 2 | Q1,Q2 |
| 19 | 19 | | 1510705-00 | XA 05 NPN 500MW SI 60 50 P | 1 | Q4 |
| 20 | 20 | | 1510706-00 | XA 55 PNP 500MW SI 60 50 P | 1 | Q3 |
| 21 | 21 | | 1911998-01 | 4N26-10PTO COUPLED ISLTR 6 P | 2 | E1,E4 |
| 22 | 22 | | 1912817-00 | LS37 NAND GATE-QUAD 2IN,POS | 1 | E2 |
| 23 | 23 | | 1913130-00 | DEC 1489A RECEIVER,LINE,QUAD,EIA RS-232 | 1 | E3 |

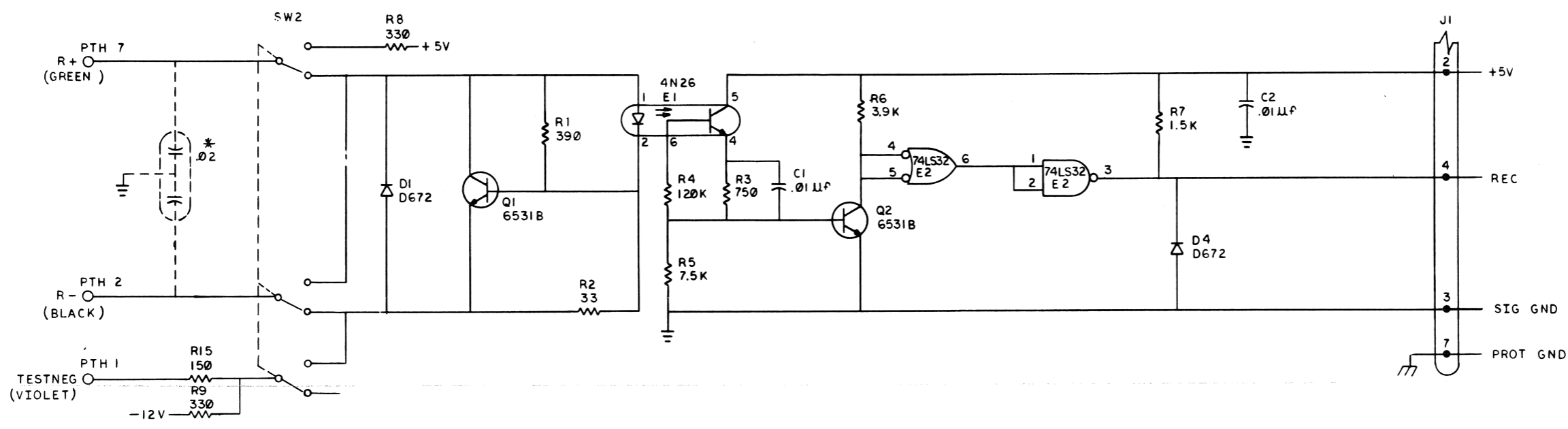
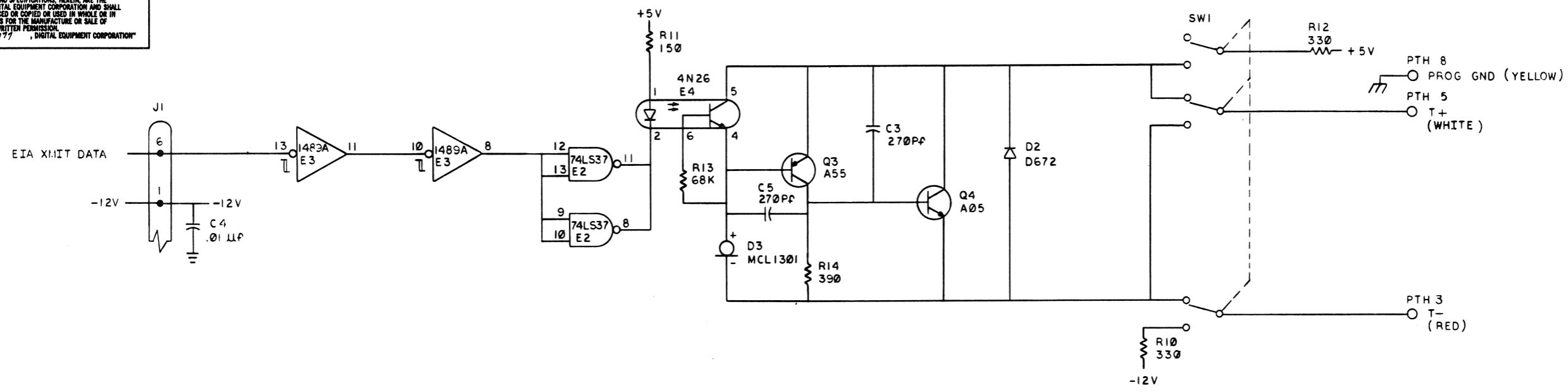
| REVISION HISTORY | | | VARIATIONS FOR THIS ASSY. | |
|------------------|--------|-----|----------------------------|---------------------------------------------------------|
| CHK | ECD NO | REV | | |
| --- | INIT | B | 00 | |
| | | | FIRST USED ON: VT100 | DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS |
| | | | MADE BY: T. SHETRAWSKI | DATE: 30-MAR-78 |
| | | | CHECKED: T. SHETRAWSKI | DATE: 30-MAR-78 |
| | | | DSN,ENG.: M. MORGENSTERN | DATE: 30-MAR-78 |
| | | | PROD.: T. CORCIARI | DATE: 30-MAR-78 |
| | | | RESP,ENG.: M. MORGENSTERN | DATE: 30-MAR-78 |
| | | | ASSY.NO.: D-UA-5413206-0-0 | EDIT# 3 |

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CS 5413206-0-1 B

8 7 6 5 4 3 2 1



NOTE:
1. * OPTIONAL

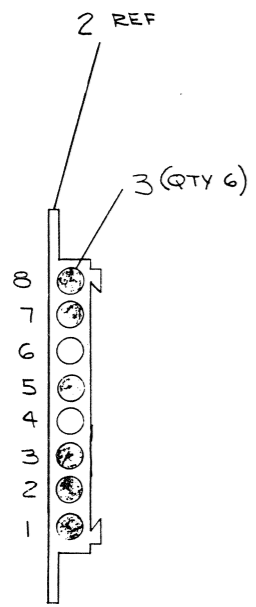
| | |
|------------|------|
| REVISIONS | REV. |
| CHANGE NO. | |
| CHK | |

| | | | | |
|-------------------|------------------|---------------|---------------|-------------|
| DRN | CS 5413206-0-1 B | FIRST USED ON | VT100 | digital |
| CHK | | TITLE | 20 MA ADAPTOR | |
| ENG. | | PROJ. ENG. | | |
| PROD. | | | | |
| NEXT HIGHER ASSY. | | SIZE | CODE | NUMBER |
| D-UA-5413206-0-0 | | D | CS | 5413206-0-1 |
| SCALE | | DIST. | | REV. |
| SHEET | OF | | | B |

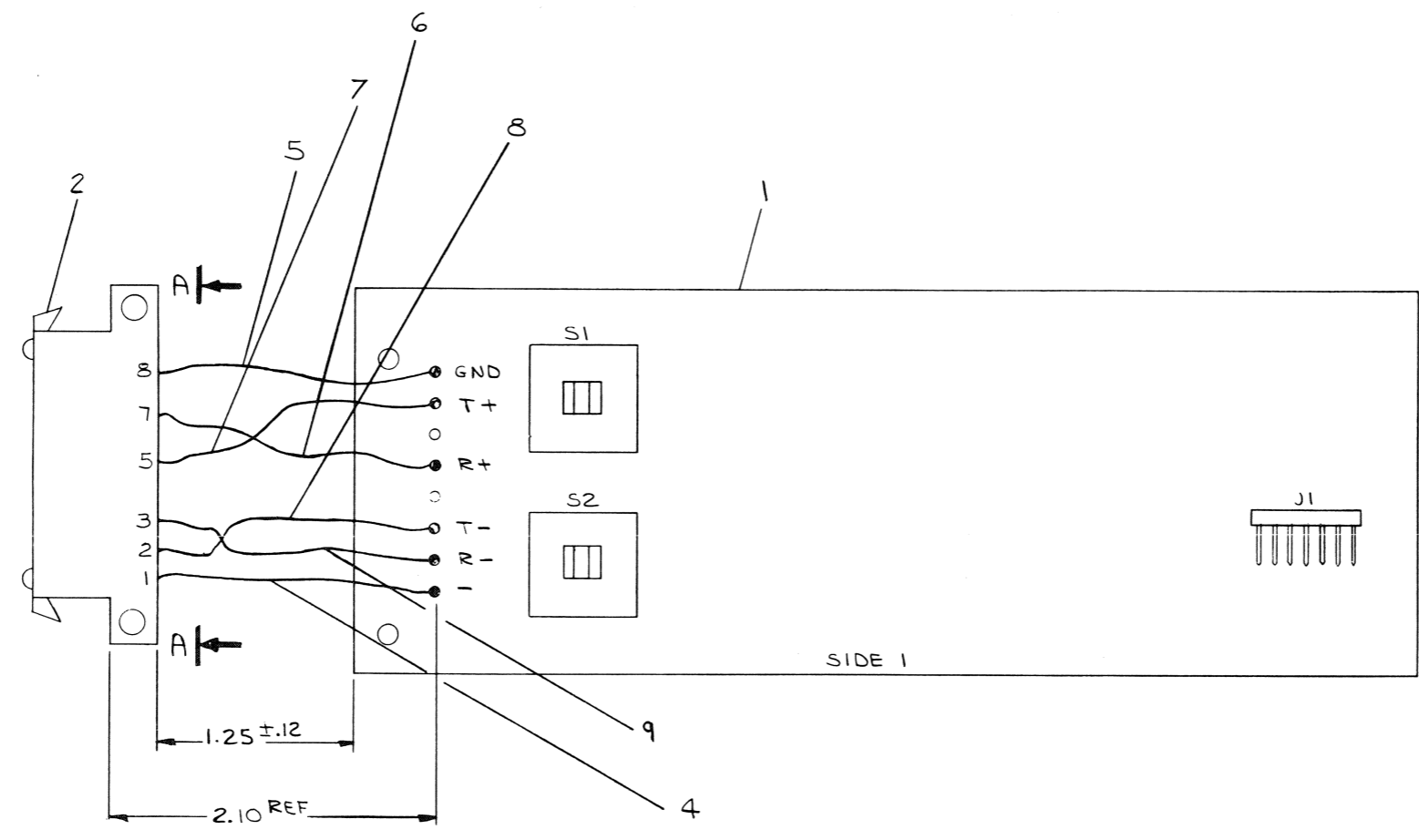
CS 5413206-0-0 B

8 7 6 5 4 3 2 1

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VIEW A-A (REAR VIEW)



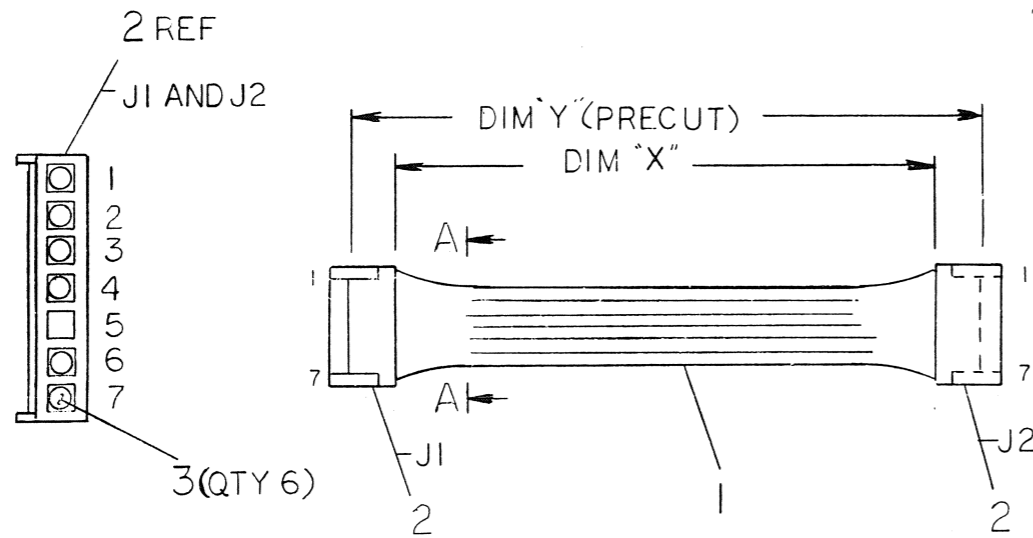
| QTY | DESCRIPTION | DWG./PART NO. | ITEM NO. |
|-----|-------------------------------|-----------------|----------|
| 9 | A/R WIRE, #22AWG, STRD (BLK) | 9107350-00 | 9 |
| 8 | A/R WIRE, #22AWG, STRD (RED) | 9107350-22 | 8 |
| 7 | A/R WIRE, #22AWG, STRD (GRN) | 9107350-55 | 7 |
| 6 | A/R WIRE, #22AWG, STRD (WHT) | 9107350-99 | 6 |
| 5 | A/R WIRE, #22AWG, STRD (YEL) | 9107350-44 | 5 |
| 4 | A/R WIRE, #22AWG, STRD (VIO) | 9107350-77 | 4 |
| 3 | 6 CONTACT, ELECTRICAL, FEMALE | 1209379-03 | 3 |
| 2 | 1 HOUSING, SOCKET (8 PIN) | 1209340-00 | 2 |
| 1 | 20MA ADAPTER BOARD | D-UA-5413206-00 | 1 |

| | | | | | |
|-----------------------------------------------------|----------------------------------|--------------------------------|-----------------|-----------------|--------------------|
| QUANTITY & VARIATION | DESCRIPTION | DWG./PART NO. | ITEM NO. | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | | |
| ANGLES 45° 30° | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES | | | |
| | | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 40.0 |
| SURFACE QUALITY IN | MEDIUM | ±.004 | ±.008 | ±.012 | ±.018 |
| | | ±.004 | ±.008 | ±.012 | ±.018 |
| MICROINCHES | | PREFERRED | ±.012 | ±.016 | ±.025 |
| THIRD ANGLE PROJECTION | | DRN. <i>R. D. G.</i> | 8/10/77 | FIRST USED ON | VT100 |
| REMOVE BURRS AND BREAK SHARP CORNERS | | CHK'D. <i>R. D. G.</i> | <i>8/10/77</i> | TITLE | 20 MA ADAPTER ASSY |
| DO NOT SCALE DWG | | ENG. <i>M. J. M.</i> | 1-11-78 | SIZE | D |
| MATERIAL | | PROD. <i>J. M. M.</i> | 11/10/78 | CODE | IA |
| SEE PARTS LIST | | NEXT HIGHER ASSY. | | NUMBER | 7015273-0-0 |
| FINISH | | SCALE | | SHEET | 1 OF 1 |

| REV. | CHANGE NO. | REVISIONS |
|------|------------|-----------|
| | | |
| | | |

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| WIRE TABLE | | | | | | |
|-------------|-------------|-------|------------|------|------------|------|
| ITEM NUMBER | DESCRIPTION | | FROM | | TO | |
| | AWG | COLOR | CONNECTION | WITH | CONNECTION | WITH |
| 1 | 24 | BLK | J1-1 | 3 | J2-1 | 3 |
| | | | J1-2 | | J2-2 | |
| | | | J1-3 | | J2-3 | |
| | | | J1-4 | | J2-4 | |
| | | | J1-6 | | J2-6 | |
| | 24 | BLK | J1-7 | 3 | J2-7 | 3 |



VIEW A-A
REAR VIEW
2 PLACES

| LEGEND | | |
|------------|-------------------|----------------------|
| NUMBER | DIM 'X' VARIATION | DIM 'Y' (PRECUT) REF |
| 7015506-0B | 2.0 IN ±.25 IN. | 2.75 IN. |

| DESCRIPTION | DWG./PART NO. | ITEM NO. |
|--------------------------|---------------|----------|
| 12 CONTACT, PIN | 1214979-00 | 3 |
| 2 HOUSING, 7 CONN | 1215047-01 | 2 |
| WIRE, #24AWG, STRD (BLK) | 9107450-00 | 1 |

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | | | | |
|-----------------------------------------------------|----------------------------------|--------------------------------|-----------------|-----------------|------------------|-------------------|-------------------|
| ANGLES ±0° 30' | CLASS OF ACCURACY (CHECK ONE) | NOMINAL DIMENSION RANGE INCHES | | | | | |
| | | OVER 0 TO 0.2 | OVER 0.2 TO 1.2 | OVER 1.2 TO 4.0 | OVER 4.0 TO 12.0 | OVER 12.0 TO 40.0 | OVER 40.0 TO 80.0 |
| SURFACE QUALITY IN | MEDIUM | ±.004 | ±.003 | ±.012 | ±.016 | ±.024 | ±.04 |
| MICROINCHES | PREFERRED | ±.012 | ±.016 | ±.025 | ±.04 | ±.063 | ±.1 |

| | | | |
|--------------------------------------|----------------------|---------------|-------------------------------|
| THIRD ANGLE PROJECTION | DRN. <i>1/24/78</i> | FIRST USED ON | VT100 |
| REMOVE BURRS AND BREAK SHARP CORNERS | CHK'D <i>1/24/78</i> | TITLE | CABLE, INTERNAL 20 MA ADAPTOR |
| DO NOT SCALE DWG | ENG. <i>1/24/78</i> | SIZE | CODE |
| MATERIAL SEE PARTS LIST | PROD. <i>1/24/78</i> | NUMBER | 7015506-0-0 |
| FINISH | NEXT HIGHER ASSY. | DIST. | |

| REV. | CHANGE NO. | DATE | BY |
|------|------------|---------|----------|
| A | 1 | 1/24/78 | C. JAMES |

DEC FORM NO. DRG 100-C

4 3 2 1

D C B A

REV. A

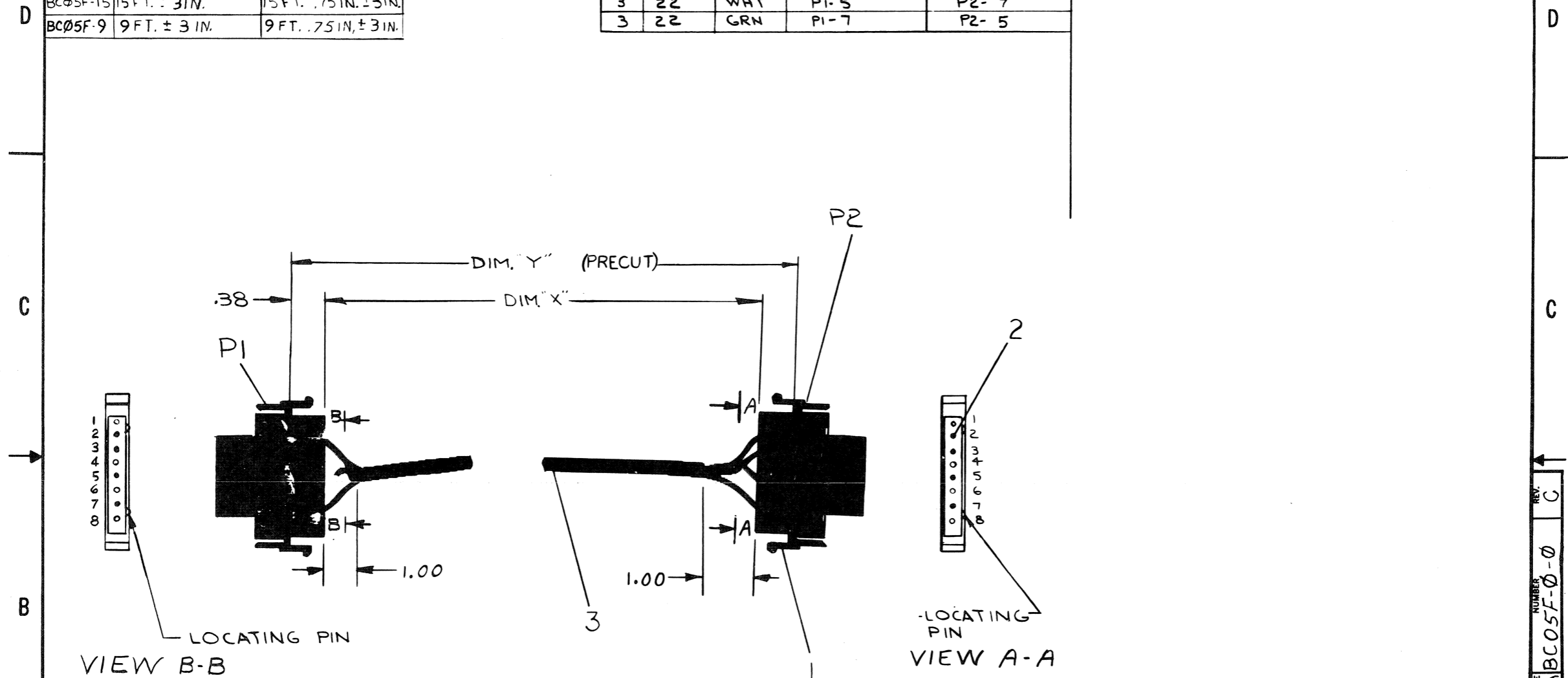
NUMBER 7015506-0-0

SIZE CODE CTA

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| LEGEND | | |
|----------|-------------------|------------------------|
| NUMBER | DIM 'X' VARIATION | DIM 'Y' (PRECUT)/REF |
| BCØ5F-15 | 15 FT. ± 3 IN. | 15 FT. .75 IN. ± 3 IN. |
| BCØ5F-9 | 9 FT. ± 3 IN. | 9 FT. .75 IN. ± 3 IN. |

| WIRE TABLE | | | | |
|------------|-------------|-------|-----------------|---------------|
| ITEM NO | DESCRIPTION | COLOR | FROM CONNECTION | TO CONNECTION |
| 3 | 22 | BLK | P1-2 | P2-3 |
| 3 | 22 | RED | P1-3 | P2-2 |
| 3 | 22 | WHT | P1-5 | P2-7 |
| 3 | 22 | GRN | P1-7 | P2-5 |



| REVISIONS | |
|----------------|---------------|
| CHK | CHANGE NO. |
| AK | BCØ5F-00001 A |
| AK | 11-5-71 |
| R. FITCH | 11-9-71 |
| LA36 - 00119 B | 7-17-75 |
| J. BITTO | 7-18-75 |
| BCØ5F-00002 C | |
| R. FITCH | 22 JUN 76 |

| QTY. | DESCRIPTION | PART NO. | ITEM NO. |
|------|--------------------|------------|----------|
| AR | CABLE 4 CONDUCTOR | 9107706 | 3 |
| B | SOCKET (MALE) | 1209378-03 | 2 |
| 2 | MATE-N-LOCK (MALE) | 1209340-01 | 1 |

| PARTS LIST | | | |
|------------------------------------------------------------|-------------------|----------|--|
| UNLESS OTHERWISE SPECIFIED | DRN. | DATE | |
| DIMENSION IN INCHES | AK | 11/17/71 | |
| TOLERANCES | CHK'D. | DATE | |
| DECIMALS ± .005 | R. FITCH | 11/17/71 | |
| FRACTIONS ± 1/64 | ENG. | DATE | |
| ANGLES ± 0°30' | PROJ. ENG. | DATE | |
| FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS | PROD. | DATE | |
| MATERIAL | NEXT HIGHER ASS'Y | | |
| FINISH | | | |

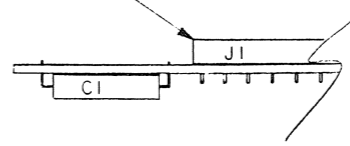
| | | | |
|---------------------------------|-----------|---------------------------------------------------------|--|
| FIRST USED ON OPTION MODEL DF11 | | digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS | |
| TITLE CABLE INTERFACE | | | |
| BCØ5F | | | |
| SIZE CODE | NUMBER | REV. | |
| CUA | BCØ5F-Ø-Ø | C | |
| DIST. | | | |

REV. C
 NUMBER BCØ5F-Ø-Ø
 SIZE CODE CUA

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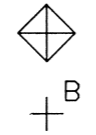
COMPONENT SIDE VIEW

12-14060-01

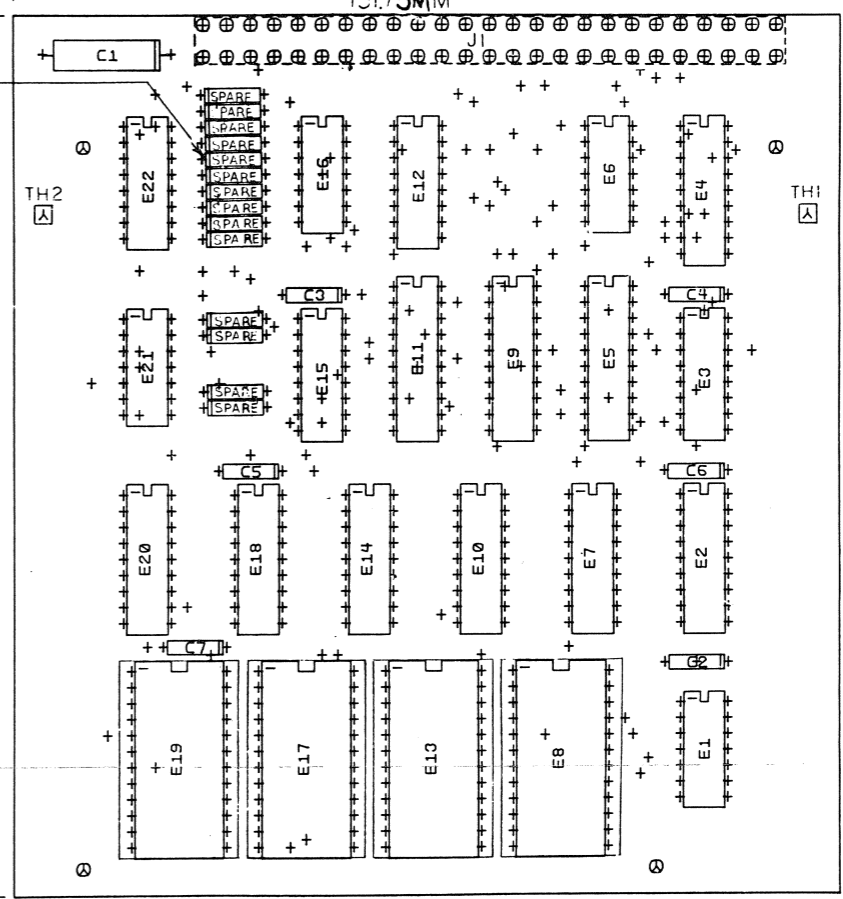


5.19 REF
131.75MM

DO NOT INSTALL W1 THRU 14
INSTALL W1 AND W7 ONLY FOR VAR. 01



5.50 REF
139.70MM



NOTES: J1 CONN MOUNTED ON
SIDE 2 AFTER OTHER
COMPS HAVE BEEN ASSEM-
BLED & BD HAS GONE
THROUGH WAVE SOLDER

| CHK | CHANGE NO | REV |
|-----|---------------|-----|
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |
| LD | 5413097-MUX01 | B |

| ETCH REV. | REV. |
|----------------------------|------|
| P.C. DESIGN DATA BASE REV. | BL |
| ETCH REV. | B |

| SIGNATURES | DATE |
|-------------------------------|---------|
| DRN. <i>[Signature]</i> | 1-17-78 |
| CHK'D. <i>[Signature]</i> | 1-17-78 |
| ENG. <i>[Signature]</i> | 5/12/78 |
| PROJ. ENG. <i>[Signature]</i> | 5/12/78 |
| PROD. <i>[Signature]</i> | 6/13/78 |

| | |
|----------------------------------|----------------|
| digital | |
| TITLE VT100 | |
| SCALE 2/1 | SIZE CODE |
| SHT. 1 OF 3 | NUMBER |
| NEXT HIGHER ASSY. B-DD-5413097-0 | REV |
| 0 | UA 5413097-0-0 |

8

7

6

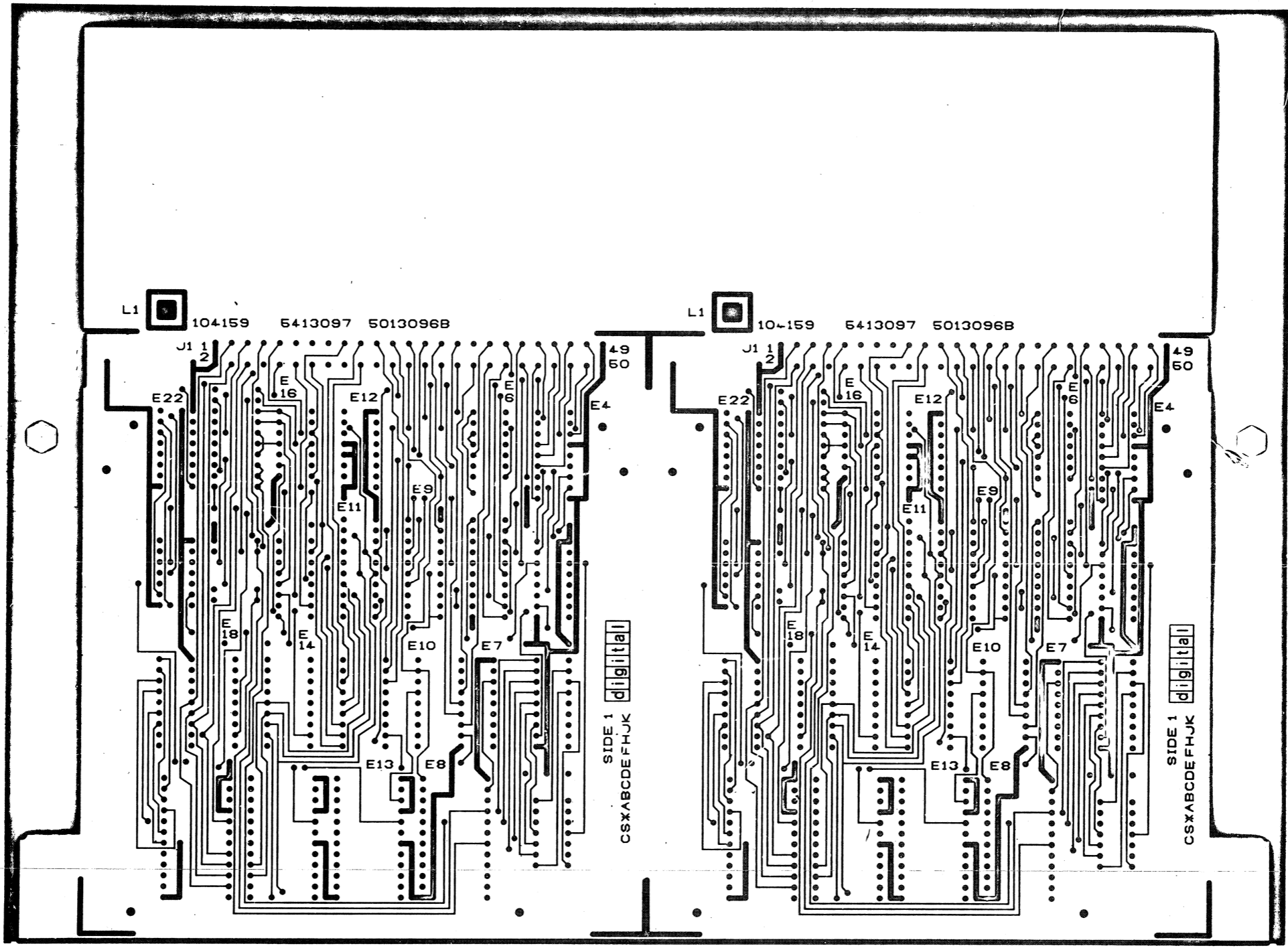
5

4

3

2

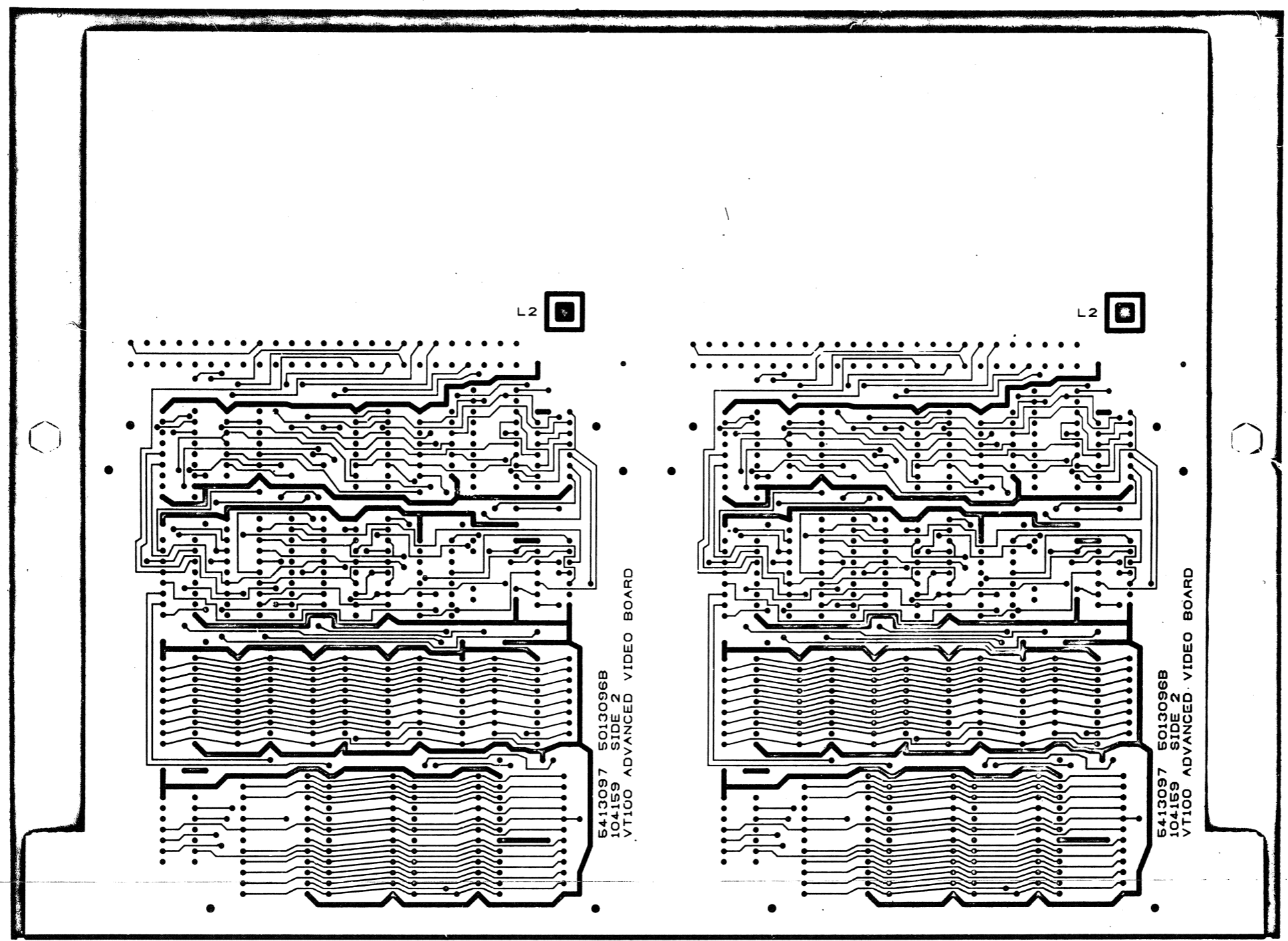
1



VIEWED FROM SIDE 1

| REVISIONS | | |
|-----------|-----------|----|
| CHG | CHANGE NO | BY |
| | | |

| | | | | | | | |
|-------|----------------------|-----------|--------|--------|-------------|-----|---|
| TITLE | VT100 ADVANCED VIDEO | SIZE/CODE | D UA | NUMBER | 5413097-0-0 | REV | C |
| SCALE | 2:1 | SHEET | 2 OF 3 | DIST | | | |



L2

L2

5413097 5013096B
104159 SIDE 2
VT100 ADVANCED VIDEO BOARD

5413097 5013096B
104159 SIDE 2
VT100 ADVANCED VIDEO BOARD

VIEWED FROM SIDE 2

| REVISIONS | | |
|-----------|-----------|-----|
| CHK | CHANGE NO | REV |
| | | |

| | | | |
|----------------------|--------------|-------------|-----|
| TITLE | SIZE CODE | NUMBER | REV |
| VT100 ADVANCED VIDEO | D UA | 5413097-0-0 | C |
| SCALE 2:1 | SHEET 3 OF 3 | DIST | |

| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY | REFERENCE DESIGNATOR |
|------|------|------------------|-------------|----------------------------------|-----|-----------------------|
| 1 | 1 | D-MD-5013096-0-0 | 5013096-00 | DRILL & ETCH DRAWING | 1 | |
| 2 | 2 | | 1005306-00 | 6.8MFD 35V 10% S.TANT | 1 | C1 |
| 3 | 3 | | 1012784-00 | .047 MFD 50V -20+80 CER | 6 | C2-C7 |
| 4 | 4 | | 1210693-00 | SOCKET 24PIN IC | 4 | XE8,XE13,XE17,XE19 |
| 5 | 5 | | 1214060-01 | HEADER,150 50POS | 1 | J1 |
| 6 | 6 | | 1300005-03 | R NETWORK 13-10K RESISTORS 5% DI | 1 | E1 |
| 7 | 7 | | 1300005-07 | R NETWORK 15-4.7K RESISTORS 5% 1 | 1 | E15 |
| 8 | 8 | | 1912801-00 | LS02 NOR-GATE-QUAD 2IN | 1 | E6 |
| 9 | 9 | | 1912803-00 | LS04 INVERTER GATE-HEX 1I | 1 | E21 |
| 10 | 10 | | 1912809-00 | LS15 NAND GATE-TRIPLE 3IN | 1 | E16 |
| 11 | 11 | | 1912842-00 | LS138 DECODER-THREE INPUT, | 1 | E12 |
| 12 | 12 | | 1912843-00 | LS139 DECODER, 2 OF 4(DUAL | 2 | E3,E22 |
| 13 | 13 | | 1912863-00 | LS273 FF=D OCTAL W/CLEAR | 1 | E5 |
| 14 | 14 | | 1914213-00 | 81LS97 BUFFER GATE-OCTAL 2I | 2 | E9,E11 |
| 15 | 15 | | 2113106-01 | 1K MOS RAM 250NS | 1 | E4 |
| 16 | 16 | | 2114212-00 | P 2114-2 RAM,1024X4,STATIC | 6 | E2,E7,E10,E14,E18,E20 |
| 17 | 17 | | 9009313-01 | *** THIS ITEM IS NOT USED *** | - | |
| 18 | 18 | | 9009185-00 | *** THIS ITEM IS NOT USED *** | - | |
| 19 | 19 | | 23069E2-00 | *** THIS ITEM IS NOT USED *** | - | |

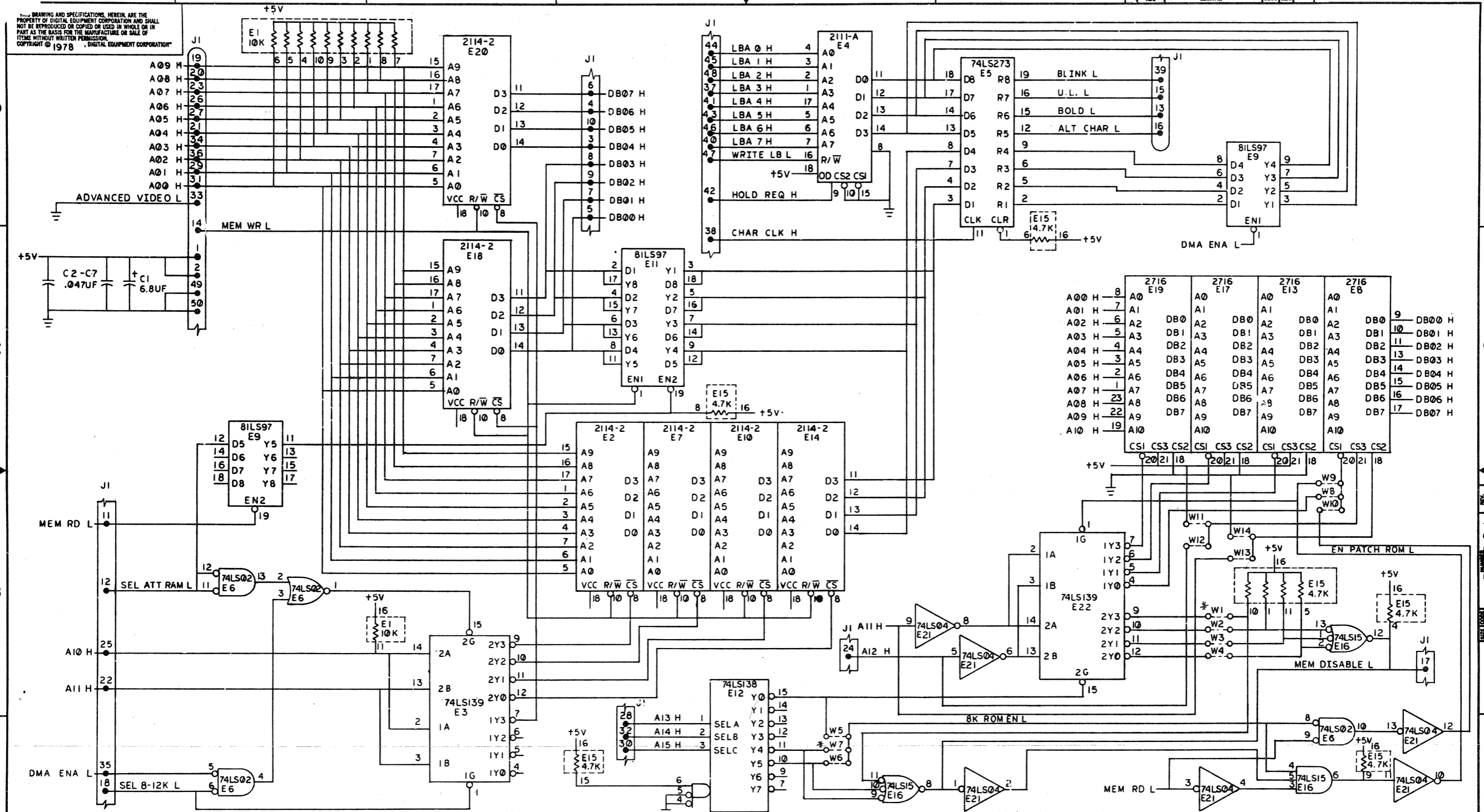
| REVISION HISTORY | | | BASIC PART NO: 5413097 | | DRN: T. SHETRAWski | | DATE: 10-MAR-78 | | DIGITAL | | | |
|------------------|---------------|-----|-------------------------|--------|--------------------|---------------|-----------------|-----------|---------------------------|------|---------------|-----|
| ENG | ECO NUMBER | REV | SECTION | 1 OF 2 | CHK'D: | T. SHETRAWski | DATE: | 10-MAR-78 | TITLE PARTS LIST | | | |
| --- | INIT | A | SECTION VARIATION INDEX | | CHK'D: | T. SHETRAWski | DATE: | 10-MAR-78 | VT100 ADV VIDEO WORD PROC | | | |
| R.P. | 5413097-ML002 | C | [1] | 00 | DES,ENG: | D. PUCCI | DATE: | 10-MAR-78 | DOCUMENT NUMBER | | | |
| | | | [2] | 01 | RESP,ENG.: | D. PUCCI | DATE: | 10-MAR-78 | SIZE | CODE | NUMBER | REV |
| | | | [3] | | MFG,ENG.: | T. CORCIARI | DATE: | 10-MAR-78 | K | PL | 5413097-0-DBP | C |
| | | | [4] | | ASSEMBLY NUMBER: | | | | FILE NAME: | | EDIT # | |
| | | | [5] | | D-UA-5413097-0-0 | | | | 13097C,PLS | | 11 | |

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| LINE | ITEM | DOCUMENT NUMBER | PART NUMBER | DESCRIPTION | QTY | REFERENCE DESIGNATOR |
|------|------|------------------|-------------|----------------------------------|-----|-----------------------|
| 1 | 1 | D-MD-5013096-0-0 | 5013096-00 | DRILL & ETCH DRAWING | 1 | |
| 2 | 2 | | 1005306-00 | 6.8MFD 35V 10% S.TANT | 1 | C1 |
| 3 | 3 | | 1012784-00 | .047 MFD 50V -20+80 CER | 6 | C2-C7 |
| 4 | 4 | | 1210693-00 | SOCKET 24PIN IC | 4 | XE8,XE13,XE17,XE19 |
| 5 | 5 | | 1214060-01 | HEADER,150 50POS | 1 | J1 |
| 6 | 6 | | 1300005-03 | R NETWORK 13-10K RESISTORS 5% DI | 1 | E1 |
| 7 | 7 | | 1300005-07 | R NETWORK 15-4.7K RESISTORS 5% 1 | 1 | E15 |
| 8 | 8 | | 1912801-00 | LS02 NOR-GATE-QUAD 2IN | 1 | E6 |
| 9 | 9 | | 1912803-00 | LS04 INVERTER GATE-HEX 1I | 1 | E21 |
| 10 | 10 | | 1912809-00 | LS15 NAND GATE-TRIPLE 3IN | 1 | E16 |
| 11 | 11 | | 1912842-00 | LS138 DECODER-THREE INPUT, | 1 | E12 |
| 12 | 12 | | 1912843-00 | LS139 DECODER, 2 OF 4(DUAL | 2 | E3,E22 |
| 13 | 13 | | 1912863-00 | LS273 FF-D OCTAL W/CLEAR | 1 | E5 |
| 14 | 14 | | 1914213-00 | 81LS97 BUFFER GATE-OCTAL 2I | 2 | E9,E11 |
| 15 | 15 | | 2113106-01 | 1K MOS RAM 250NS | 1 | E4 |
| 16 | 16 | | 2114212-00 | P 2114-2 RAM,1024X4,STATIC | 6 | E2,E7,E10,E14,E18,E20 |
| 17 | 17 | | 9009313-01 | *** THIS ITEM IS NOT USED *** | - | |
| 18 | 18 | | 9009185-00 | JUMPER, WIRE, INSULATED, BLACK B | 2 | W1,W7 |
| 19 | 19 | | 23069E2-00 | E2-04 | 1 | E19 |

| REVISION HISTORY | | | BASIC PART NO: 5413097 | | D I G I T A L | |
|------------------|---------------|-----|-------------------------|-----------------------|-----------------|---------------------------|
| ENG | ECO NUMBER | REV | SECTION 2 OF 2 | DPN: T. SHETRAWSKI | DATE: 10-MAR-78 | TITLE PARTS LIST |
| --- | INIT | A | SECTION VARIATION INDEX | CHK'D: T. SHETRAWSKI | DATE: 10-MAR-78 | VT100 ADV VIDEO WORD PROC |
| R,F | 5413097-ML002 | C | [1] 00 | DES.ENG: D. PUCCI | DATE: 10-MAR-78 | DOCUMENT NUMBER |
| | | | [2] 01 | RESP.ENG.: D. PUCCI | DATE: 10-MAR-78 | SIZE CODE NUMBER REV |
| | | | [3] | MFG.ENG.: T. CORCIARI | DATE: 10-MAR-78 | K PL 5413097-0-DBP C |
| | | | [4] | ASSEMBLY NUMBER: | | FILE NAME: 13097C.PLS |
| | | | [5] | D-UA-5413097-0-0 | | EDIT #: 12 |
| | | | [6] | | | |
| | | | [7] | | | |
| | | | [8] | | | |
| | | | [9] | | | |
| | | | [10] | | | |
| | | | [11] | | | |
| | | | [12] | | | |

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| REV. | CHANGE NO. | DATE | BY | CHK |
|------|---------------|--------|----------|-----|
| 1 | 5413097-ML001 | 2/7/78 | P. PUCCI | |
| 2 | 5413097-ML002 | 2/7/78 | P. PUCCI | |
| 3 | 5413097-ML002 | 2/7/78 | P. PUCCI | |
| 4 | 5413097-ML002 | 2/7/78 | P. PUCCI | |
| 5 | 5413097-ML002 | 2/7/78 | P. PUCCI | |
| 6 | 5413097-ML002 | 2/7/78 | P. PUCCI | |
| 7 | 5413097-ML002 | 2/7/78 | P. PUCCI | |
| 8 | 5413097-ML002 | 2/7/78 | P. PUCCI | |

* INSTALL JUMPER W1 AND W7 ONLY FOR VAR.-01 ONLY.

| | | | |
|--------------------------|---------|---------------|----------------|
| DRN. <i>[Signature]</i> | 2-14-78 | FIRST USED ON | VT100 |
| CHK. <i>[Signature]</i> | 2/13/78 | TITLE | VT100 |
| ENG. <i>[Signature]</i> | 2/13/78 | TITLE | ADVANCED VIDEO |
| PROJ. <i>[Signature]</i> | 2/13/78 | SIZE | D CS |
| FRCD. <i>[Signature]</i> | 2/13/78 | NUMBER | 5413097-0-1 |
| NEXT HIGHER ASSY. | | SCALE | |
| B-DD-5413097-0 | | SCALE | |
| SCALE | | DIST. | |

DIGITAL EQUIPMENT CORPORATION PARTS LIST

| | | | | |
|-----------------|---------------------------------|-----------------|--------------------------------------------|---------------------|
| MADE BY DATE | D. HEALY 14 JUN 78 | CHECKED DATE | D. HEALY 14 JUN 78 | SECTION 1 |
| ENG DATE | <i>E. Hedberg</i> 10 JULY 78 | PROD DATE | <i>Dr. P. for K. Hoffman</i> 10 JULY 78 | ISSUED SECTION 1 |

| ITEM NO. | DRAWING NO. | PART NO. | DESCRIPTION |
|----------|-----------------|-------------|------------------------------------|
| 1 | EK-VT100-UG-001 | EK-VT100-UG | GUIDE, USERS VT100 |
| 2 | | 3615741 | LABEL, SET-UP, VT100 |
| 3 | | VT100-AA | TERM., VIDEO, W/115V PLUG |
| 4 | | VT100-AB | TERM., VIDEO, W/230V PLUG |
| 5 | | VT100-NA | TERM., VIDEO, DECFORM, W/115V PLUG |
| 6 | | VT100-NB | TERM., VIDEO, DECFORM, W/230V PLUG |

| QUANTITY / VARIATION | | | | | | | |
|----------------------|----------|----------|----------|--|--|--|--|
| VT100-AA | VT100-AB | VT100-NA | VT100-NB | | | | |
| 1 | 1 | 1 | 1 | | | | |
| 1 | 1 | 1 | 1 | | | | |
| 1 | - | - | - | | | | |
| - | 1 | - | - | | | | |
| - | - | 1 | - | | | | |
| - | - | - | 1 | | | | |

NOTES:

REF DESIGNATION

| | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|