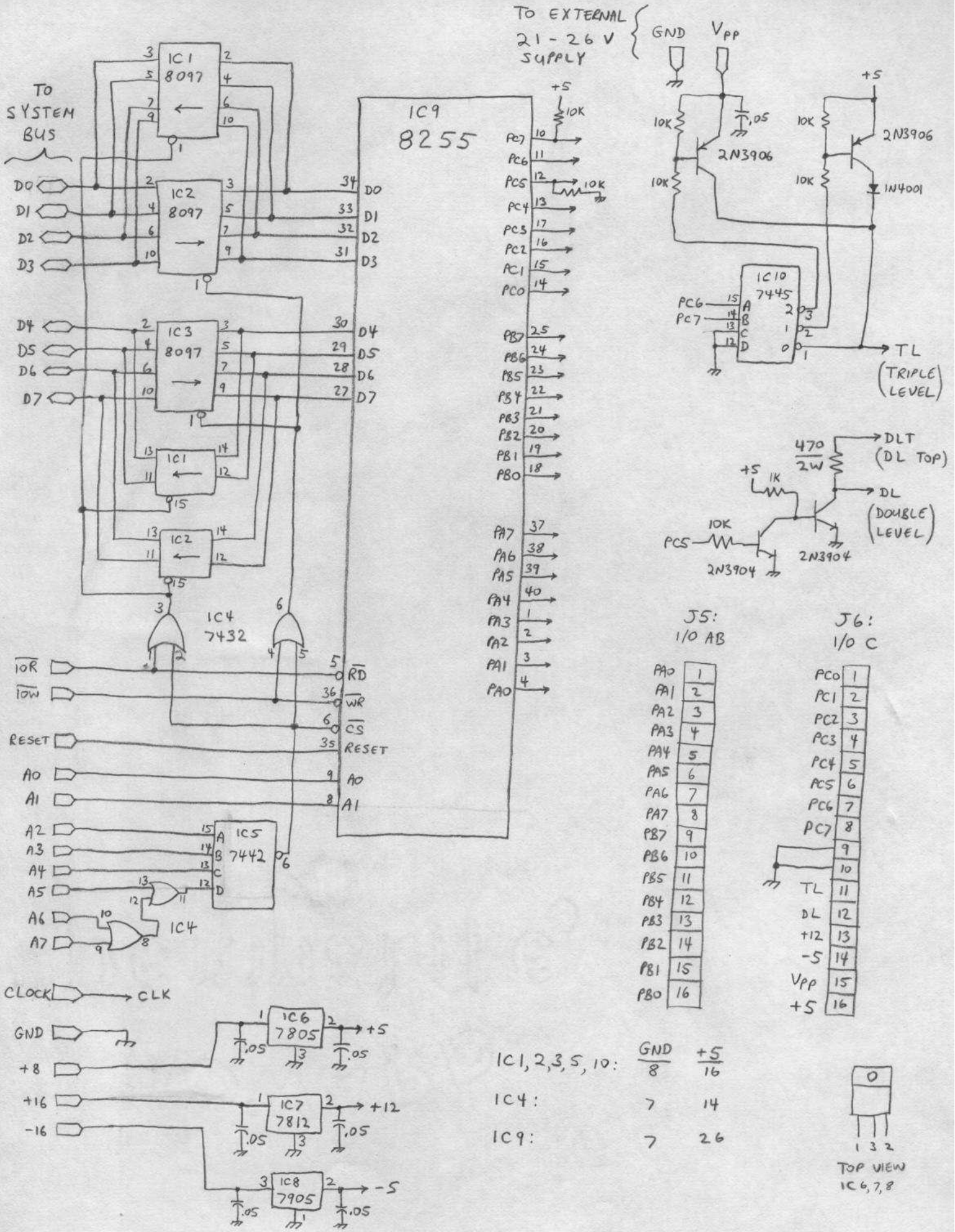
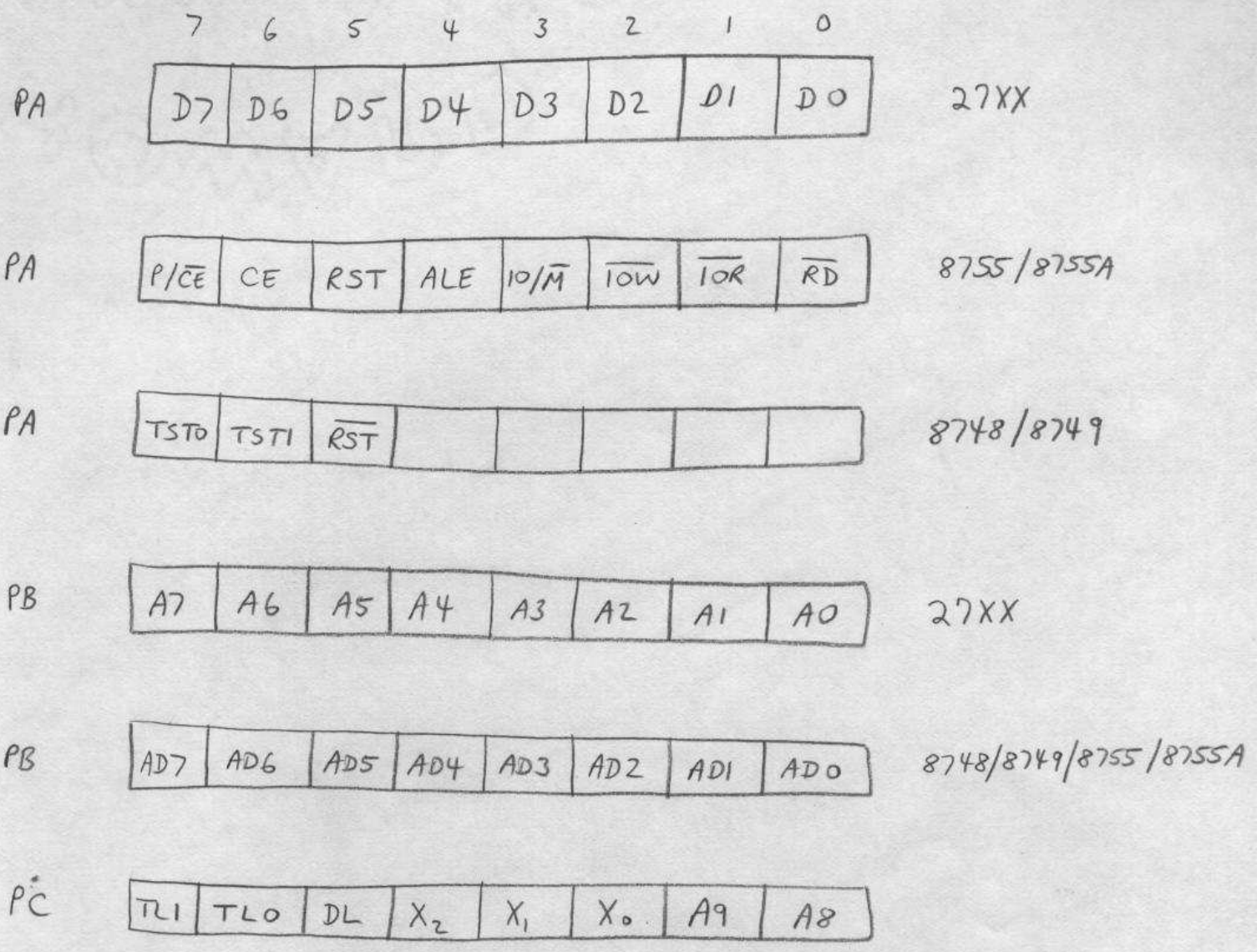


	GND	+5
IC1, 2, 3, 5, 10:	8	16
IC4:	7	14
IC9:	7	26

FIG . EPROM PROGRAMMING HARDWARE



TL1/TL0	TL
0/0	GND
0/1	+5
1/0	V_{PP}
1/1	HI-Z

TL

2704/2708: PGM

2758/2716/2764: V_{PP}

2732/2732A: $\overline{OE}/V_{PP}$

8748/8749/8755/8755A: V_{DD}

DL

2704/2708: $\overline{CS}/WE$

2764: $\overline{PGM}$

8748/8749: PROG

DLT

+12

+5

+25

X_0

2758: Ar_0

2716/2732/2732A/ 8755/8755A/8749: A10

X_1

2758/2716: $\overline{OE}$

2732/2764: A11

X_2

2758/2716/ 2732/2732A: $\overline{CE}$

2764: A12

V_{PP}

2704/2708: +26 V

2758/2716/2732/ 8755/8755A/ 8748/8749: +25 V

2732A, 2764: +21 V

FIG . PORT ASSIGNMENTS

PIN	2704/2708	2758	2716	2732/2732A	2764
18	PGM	$\overline{CE}$/PGM	$\overline{CE}$/PGM	$\overline{CE}$	$\overline{CE}$ (PIN 20)
19	+12	A_R	A10	A10	A10 (PIN 21)
20	$\overline{CS}$/WE	$\overline{OE}$	$\overline{OE}$	$\overline{OE}$/V_{PP}	$\overline{OE}$ (PIN 22)
21	-5	V_{PP}	V_{PP}	A11	A11 (PIN 23)
					V_{PP} (PIN 1)
					A12 (PIN 2)
					$\overline{PGM}$ (PIN 27)
					+5 (PIN 28)

FIG 1. PINOUT VARIATIONS IN THE INTEL 27XX FAMILY

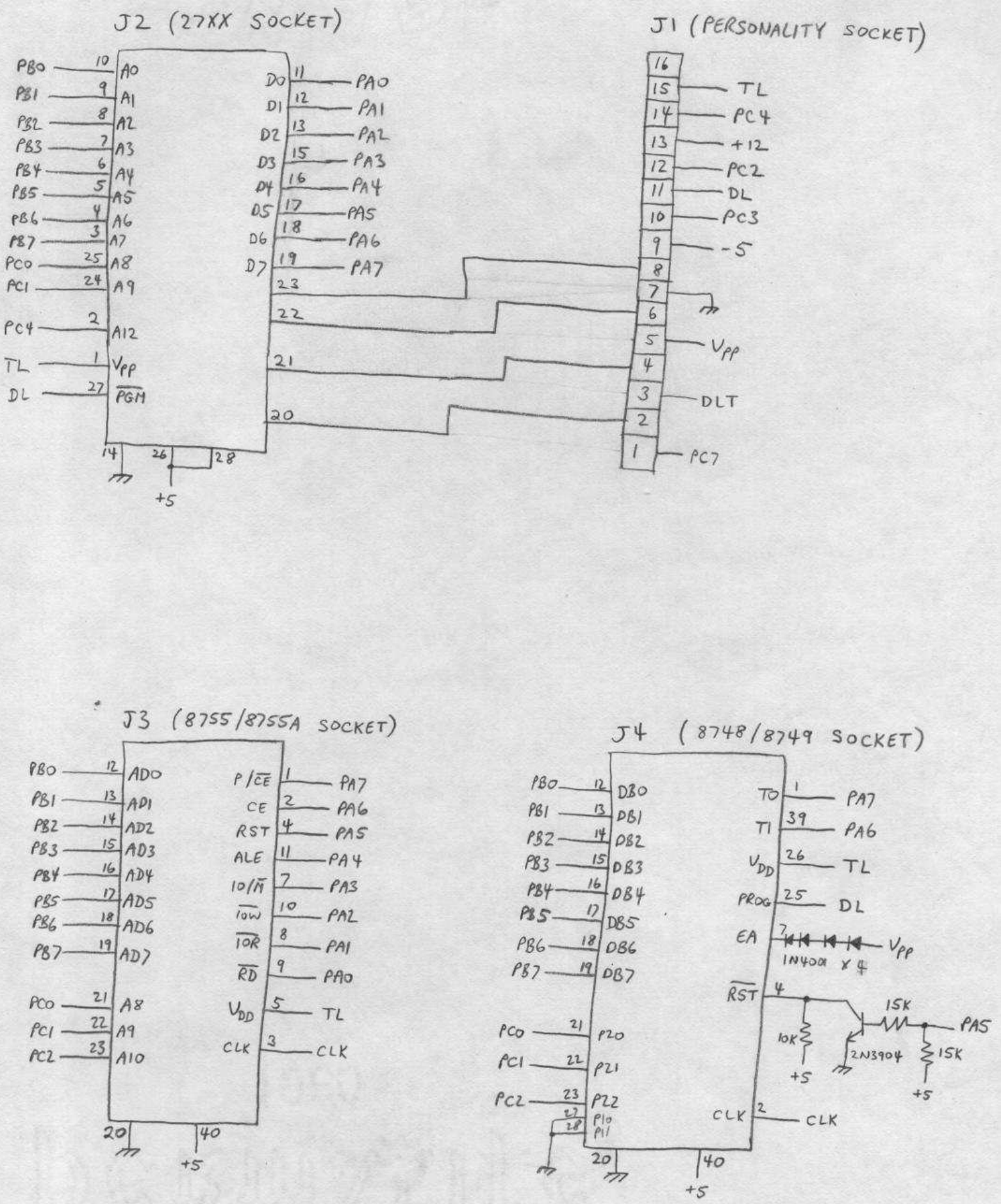


FIG. . EPROM PROGRAMMING HARDWARE, CONTINUED

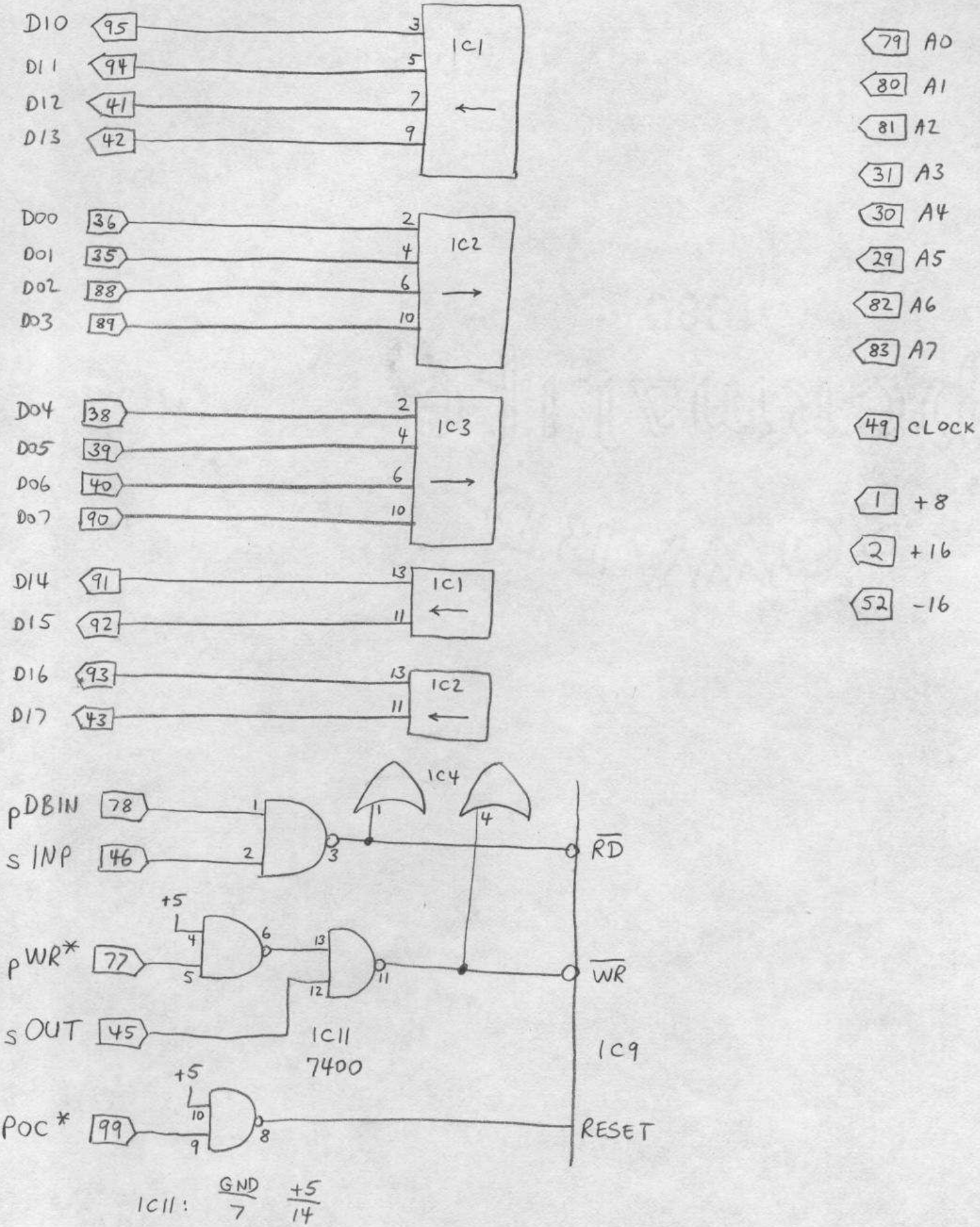
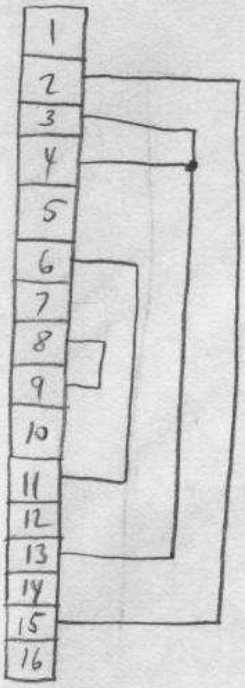
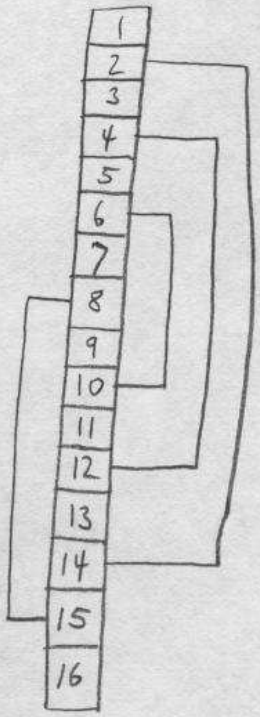


FIG . CONFIGURATION FOR THE S-100 BUS

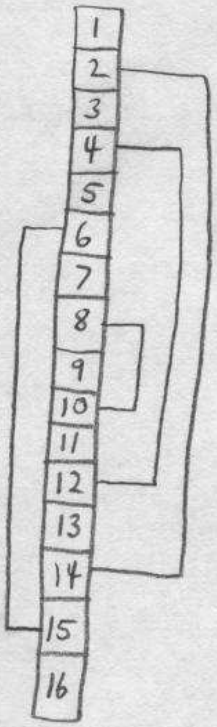
2704/2708



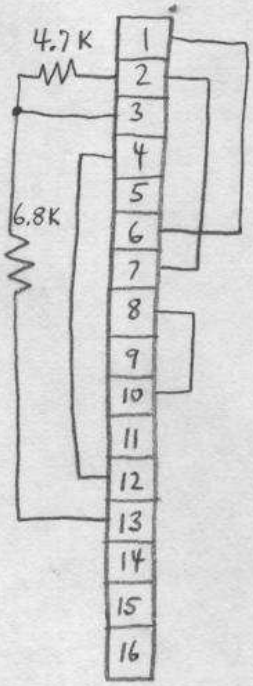
2758/2716



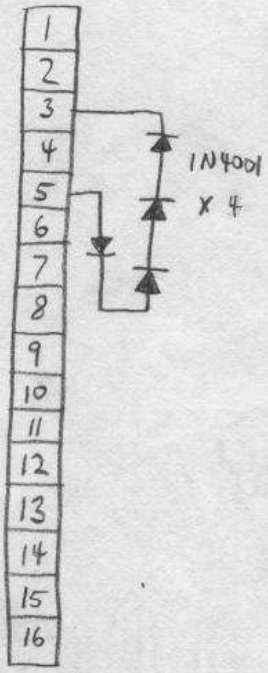
2732/2732A



2764



8748/8749



8755/8755A

NO CONNECTIONS

FIG . J1 PERSONALITY PLUGS

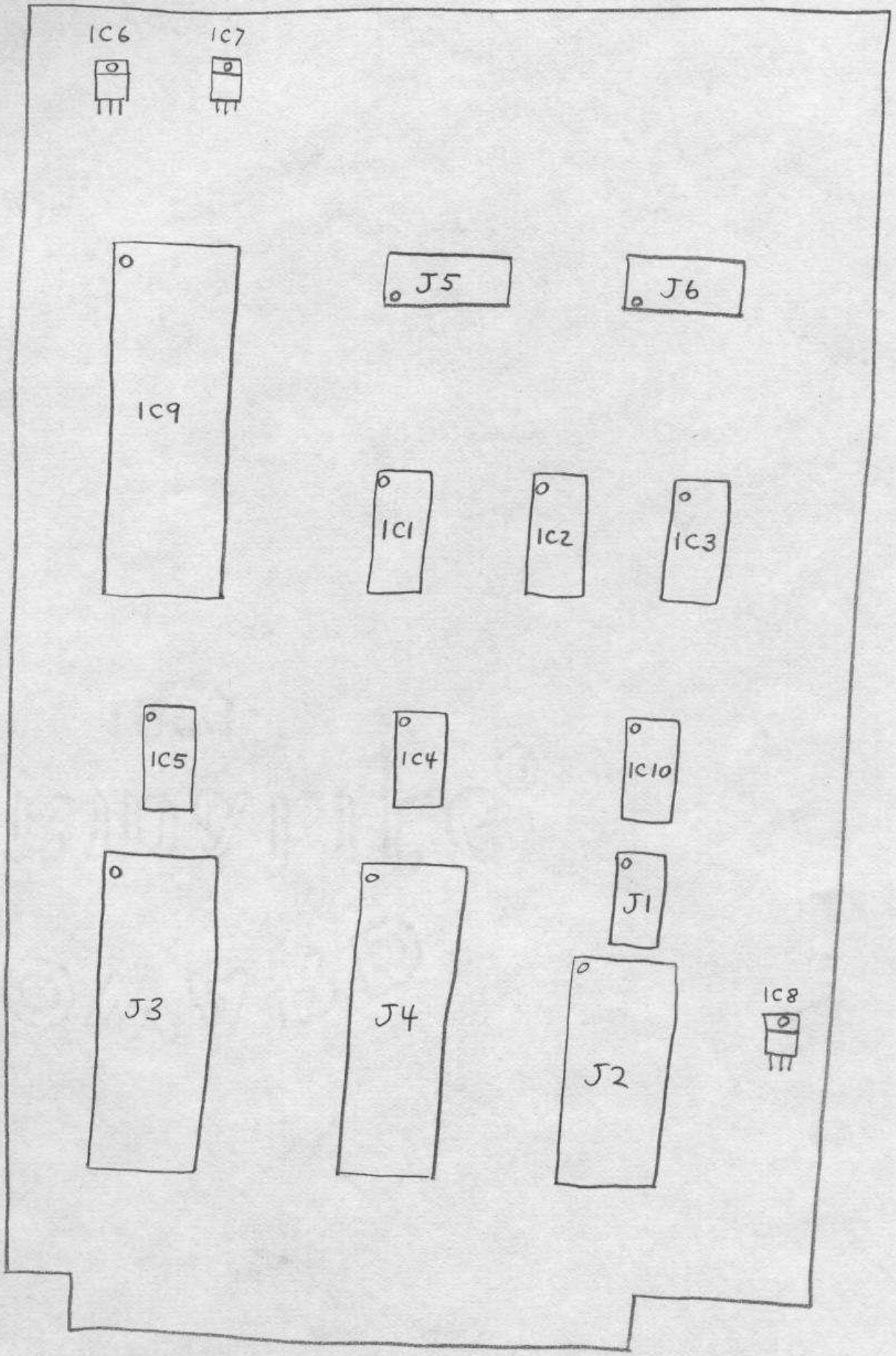


FIG . EPROM PROGRAMMING CARD LAYOUT

```
0001 0000                       ;UNIVERSAL EPROM PROGRAMMER
0002 0000                       ;
0003 0000                       ;
0004 0000                       ;SOFTWARE TO DRIVE 8255-BASED
0005 0000                       ;HARDWARE BOARD FOR READING AND
0006 0000                       ;PROGRAMMING:
0007 0000                       ;2704, 2708, 2758, 2716
0008 0000                       ;2732, 2732A, 2764,
0009 0000                       ;8755, 8755A, 8748, 8749
0010 0000                       ;
0011 0000                       ;
0012 0000                       ;
0013 0000                       ;VERSION 1.2
0014 0000                       ;
0015 0000                       ;
0016 0000                       ;ROBERT GLASER, FEBRUARY 1980
0017 0000                       ;
0018 0000                       ;LAST MODIFIED:  MARCH 1982
0019 0000                       ;
0020 0000                       ;
0021 0000                       ;
0022 0000                               ORG     0BBD0H
0023 BBD0 3E 9B                 EPROM:  MVI     A,9BH   ;INIT 8255
0024 BBD2 D3 17                         OUT     CNTRL   ;TO ALL INPUTS
0025 BBD4 DB 16                         IN      PORTC
0026 BBD6 E6 A0                         ANI     0A0H
0027 BBD8 FE 80                         CPI     80H
0028 BBDA 21 11 BC                      LXI     H,BRDMS
0029 BBDD C2 08 BC                      JNZ     EROM2
0030 BBE0 EB                            XCHG                    ;GET SPECIFIED
0031 BBE1 22 E0 ED                      SHLD    SBUFF   ;FILE
0032 BBE4 CD 6A ED                      CALL    FFILE
0033 BBE7 D2 F6 BB                      JNC     EROM1   ;VALID FILE
0034 BBEA CD 2D ED                      CALL    NAME    ;INVALID
0035 BBED 21 1C BC                      LXI     H,FNDMS
0036 BBF0 CD 79 ED                      CALL    MSG
0037 BBF3 C3 6D ED                      JMP     CRLF    ;AND EXIT
0038 BBF6 2A E7 ED              EROM1:  LHLD    STADD   ;GET FILE
0039 BBF9 22 FA BF                      SHLD    FILE    ;SAVE IT
0040 BBFC 2A 8E ED                      LHLD    DIRCT   ;SAVE NORMAL
0041 BBFF 22 FC BF                      SHLD    OLDDR   ;SAVE IT
0042 BC02 21 84 BE                      LXI     H,ROMDR ;CHANGE
0043 BC05 22 8E ED                      SHLD    DIRCT   ;IT
0044 BC08 21 22 BC                      LXI     H,DIRMS
0045 BC0B CD 79 ED              EROM2:  CALL    MSG
0046 BC0E C3 6D ED                      JMP     CRLF    ;AND RETURN
0047 BC11                       ;
0048 BC11                       ;
0049 BC11                       ;
0050 BC11 42 6F                 BRDMS:  DW      'oB'
0051 BC13 61 72                         DW      'ra'
0052 BC15 64 3A                         DW      ':d'
0053 BC17 20 6E                         DW      'n '
0054 BC19 6F 74                         DW      'to'
0055 BC1B 20                            DB      ' '
0056 BC1C 66 6F                 FNDMS:  DW      'of'
0057 BC1E 75 6E                         DW      'nu'
0058 BC20 64                            DB      'd'
0059 BC21 00                            DB      0
0060 BC22 45 50                 DIRMS:  DW      'PE'
0061 BC24 52 4F                         DW      'OR'
0062 BC26 4D 20                         DW      ' M'
0063 BC28 44 69                         DW      'iD'
0064 BC2A 72 65                         DW      'er'
0065 BC2C 63 74                         DW      'to'
0066 BC2E 6F 72                         DW      'ro'
0067 BC30 79                            DB      'y'
0068 BC31 00                            DB      0
0069 BC32                       ;
0070 BC32                       ;
0071 BC32                       ;
0072 BC32                       ;SECTION TO READ 27XX
0073 BC32                       ;
0074 BC32                       ;
0075 BC32 01 00 02              R2704:  LXI     B,200H
0076 BC35 C3 53 BC                      JMP     RD27
0077 BC38 01 00 04              R2708:  LXI     B,400H
```