

A

B

C

D

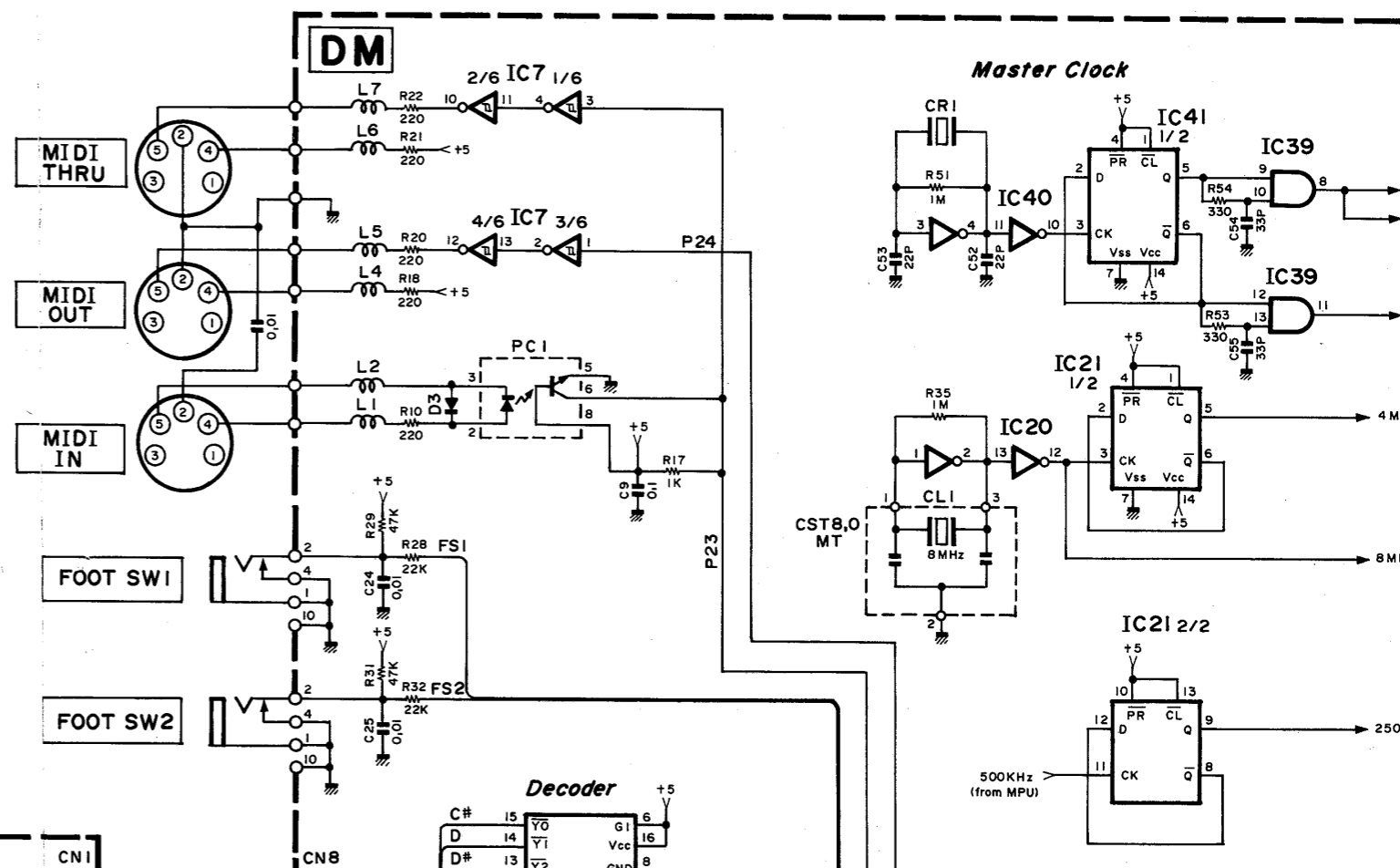
E

F

G

DX7 II • FD/D OVERALL CIRCUIT DIAGRAM

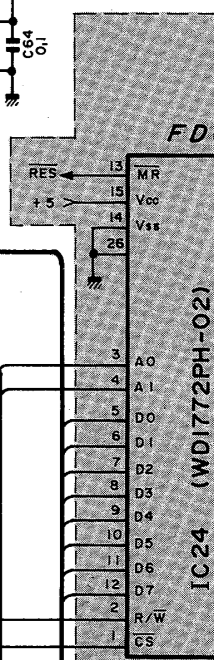
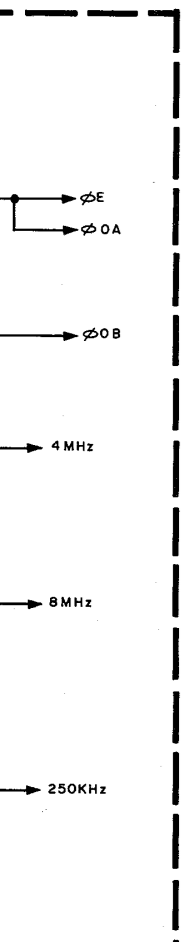
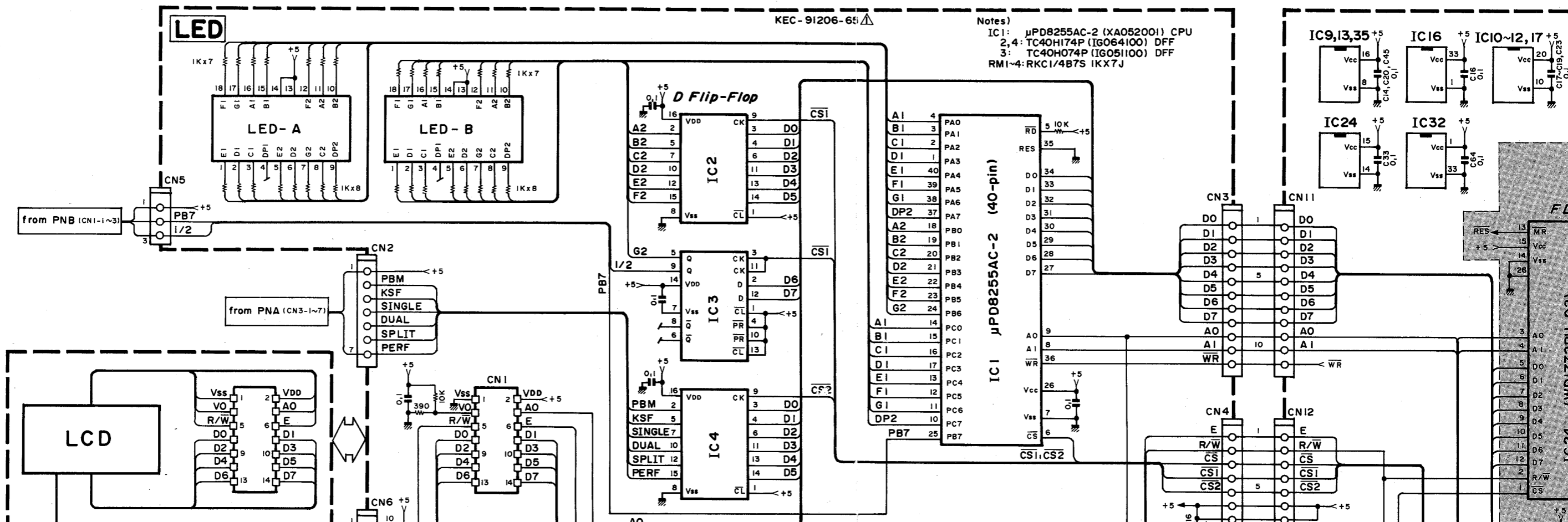
81725

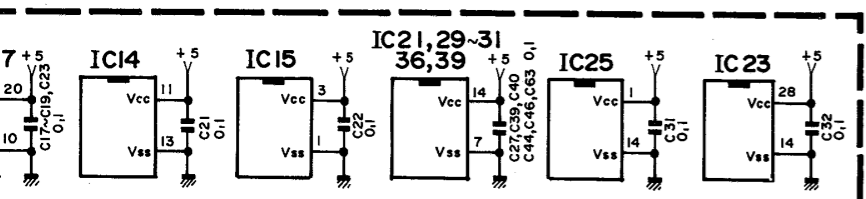


KEC-91206-65

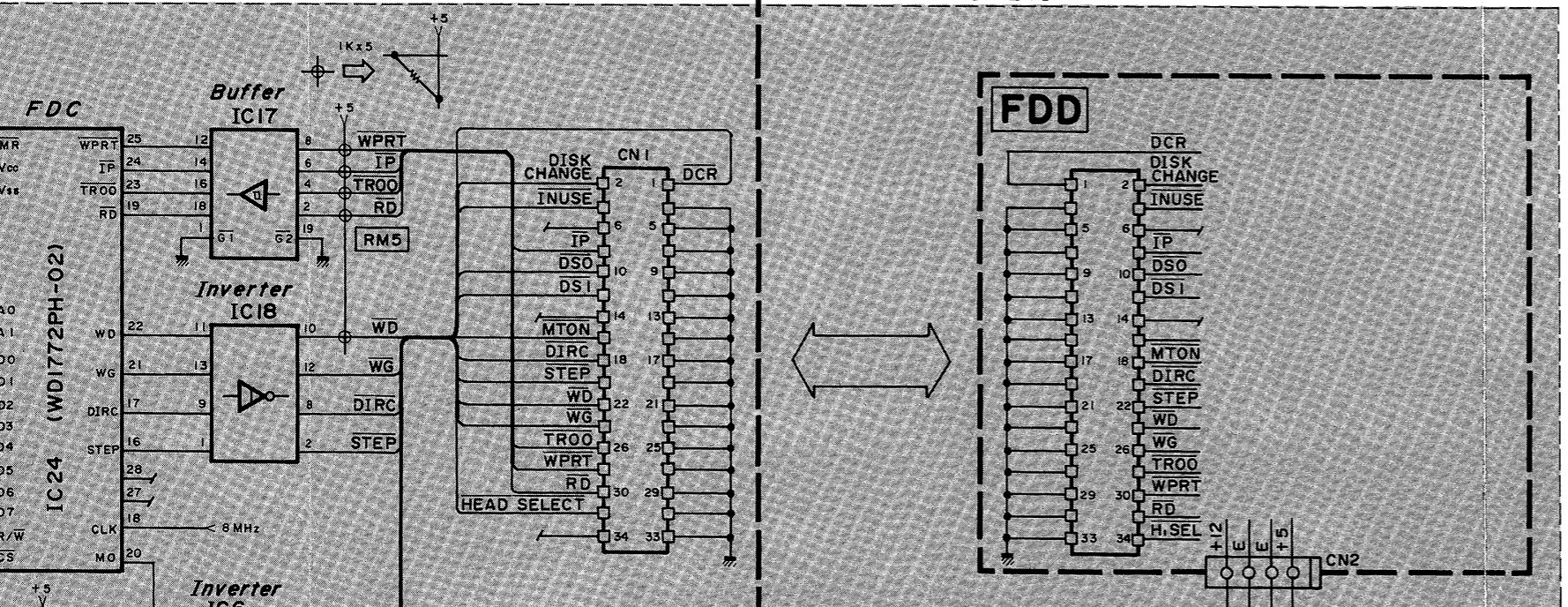
Notes)

- IC1: μ PD8255AC-2 (XA052001) CPU
- 2,4: TC40H174P (IG064100) DFF
- 3: TC40H074P (IG051100) DFF
- RM1-4: RKC1/4B7S 1KX7J



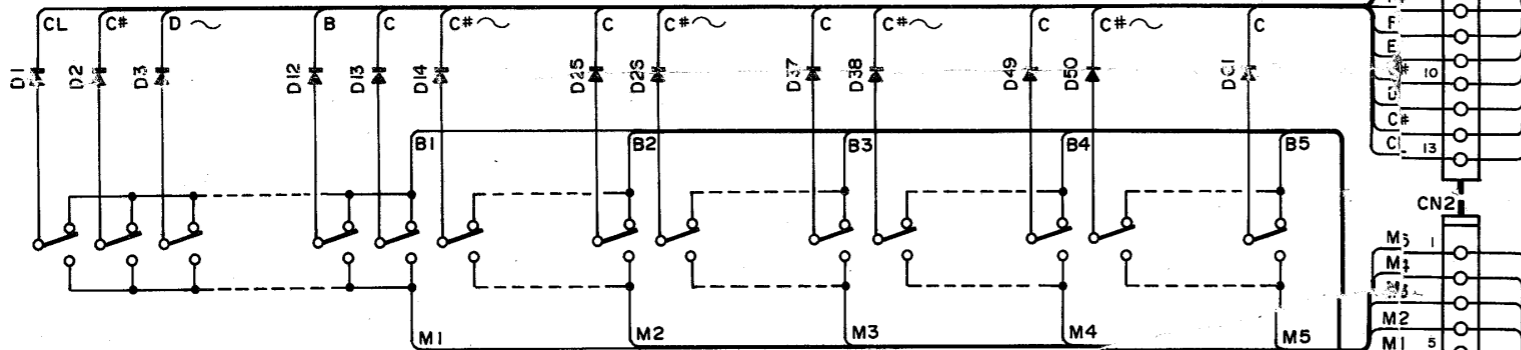


DX7II FD



KBD

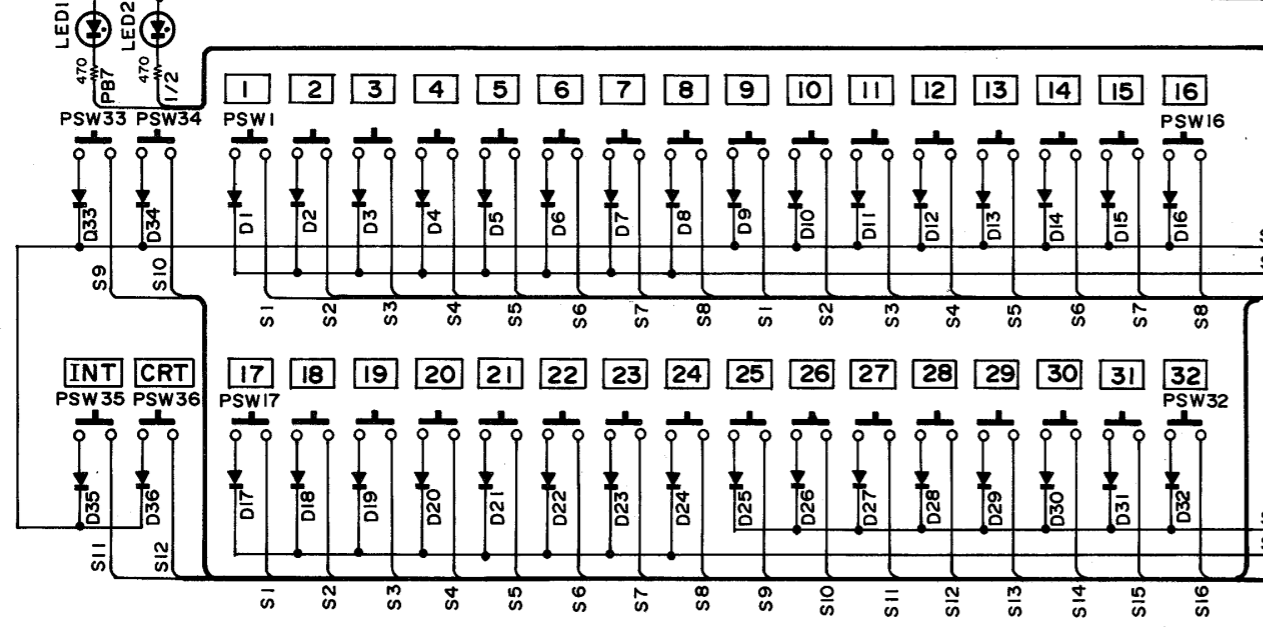
C1 C1# D1 - B1 C2 C2# - C3 C3# - C4 C4# - C5 C5# - C6



Note) D1 ~ D61 : ISS133

KEC - 91208 - 63

A/B I/2

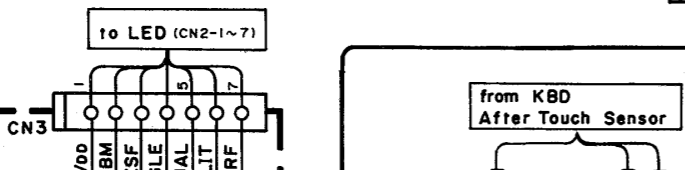


Note) D1 : ISS133

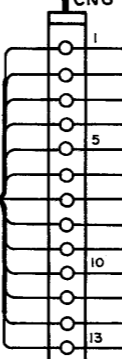
KEC - 91205 - 65

PNB

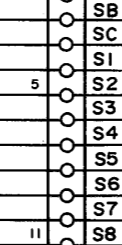
PNA 2/2



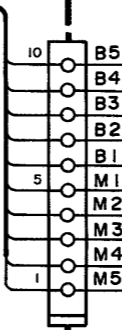
CN8



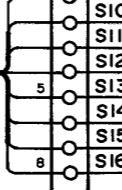
CN7



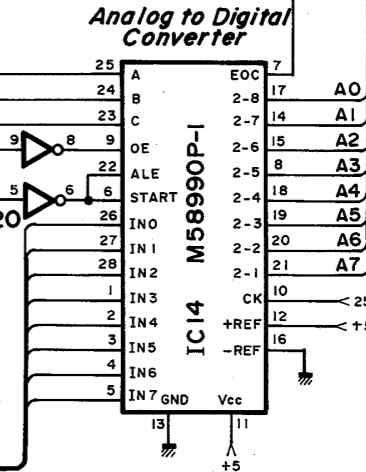
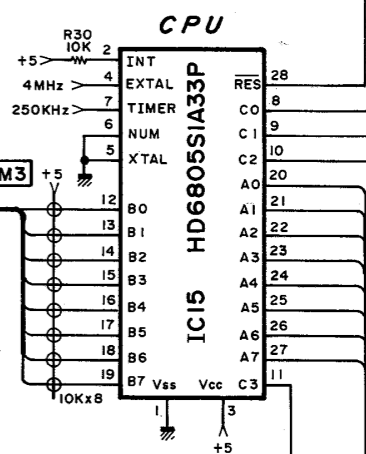
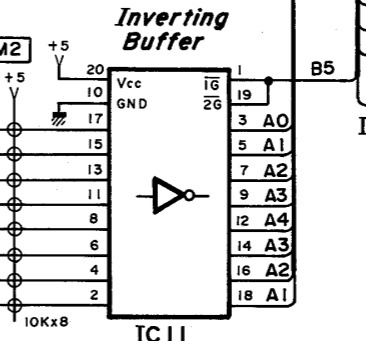
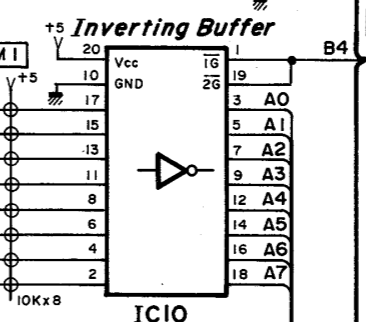
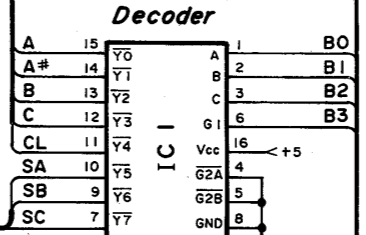
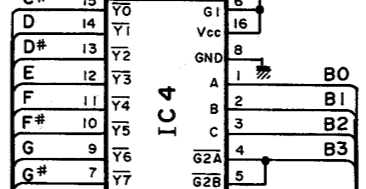
CN9



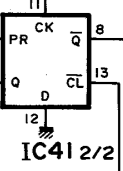
CN6

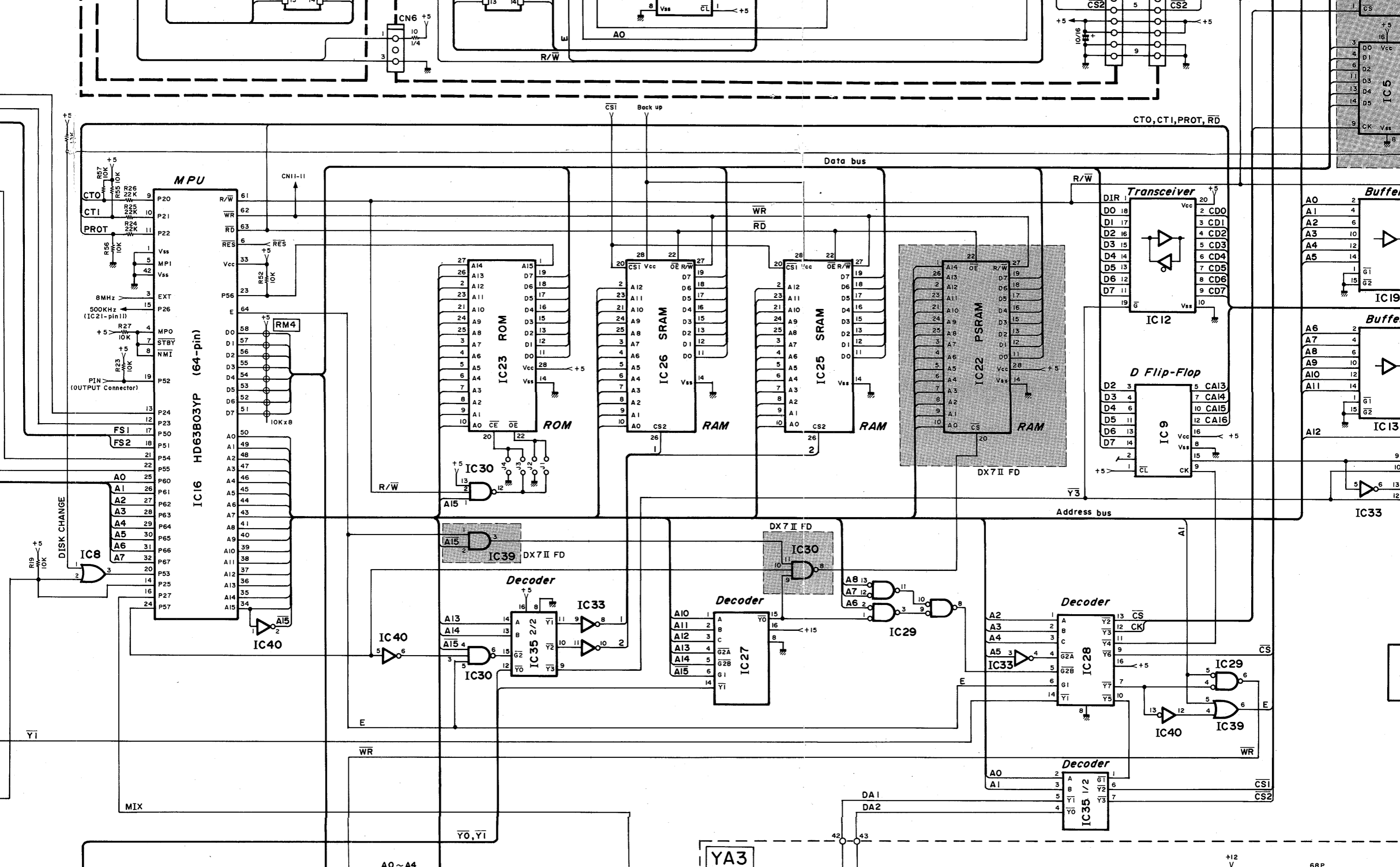


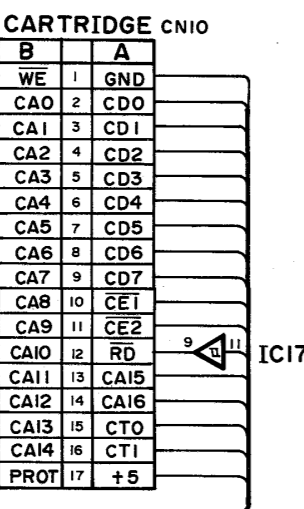
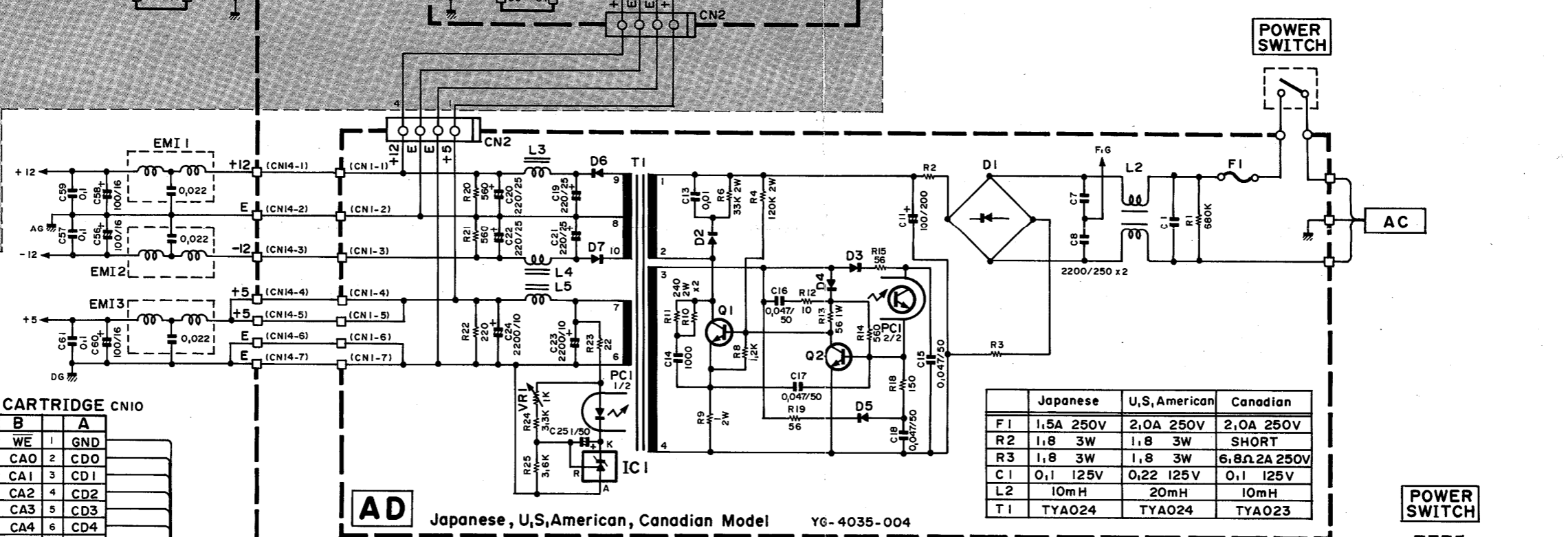
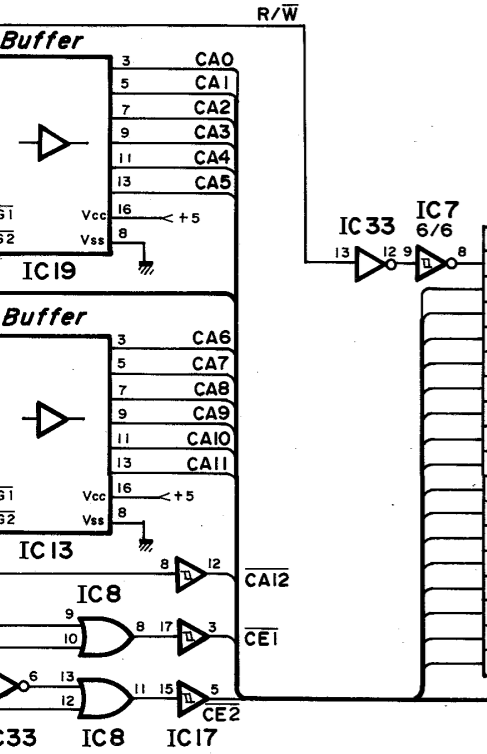
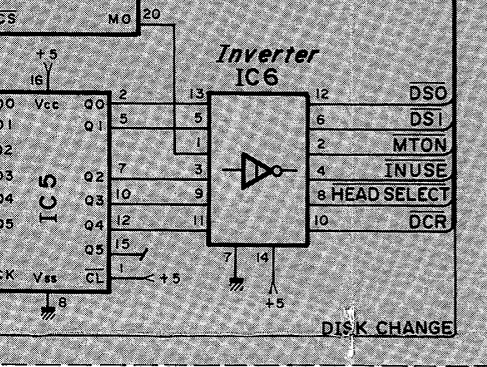
CN5



DFF

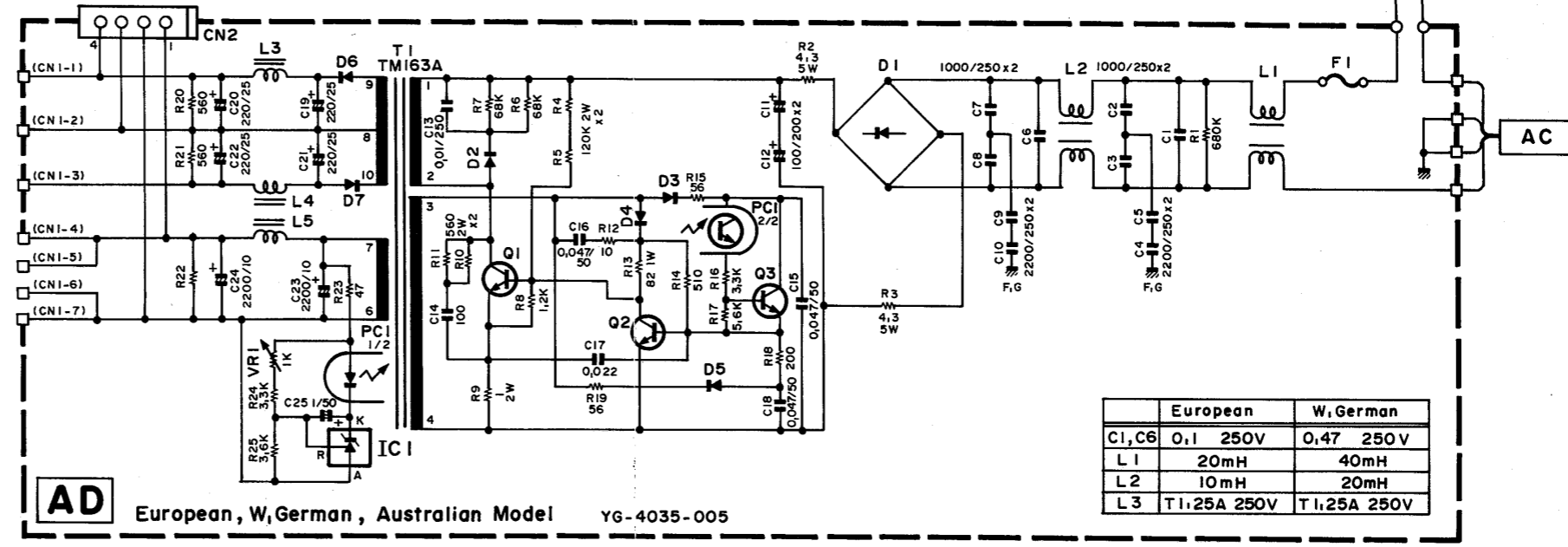
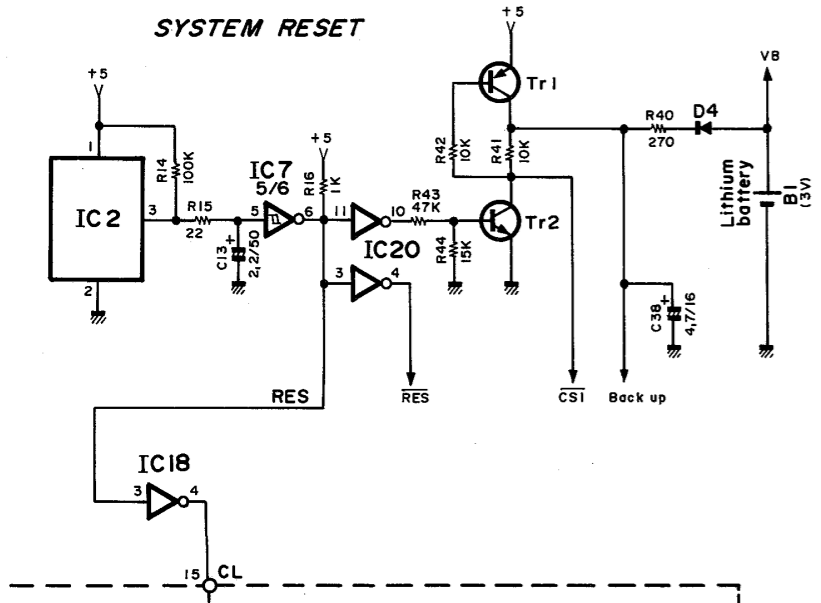






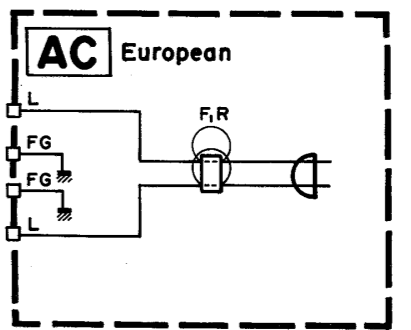
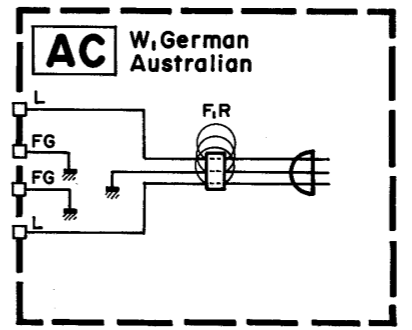
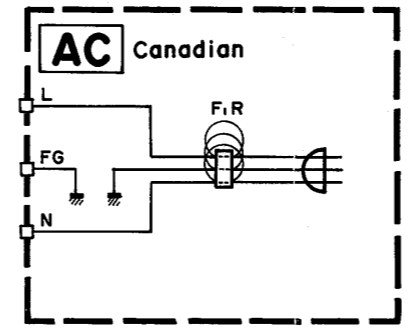
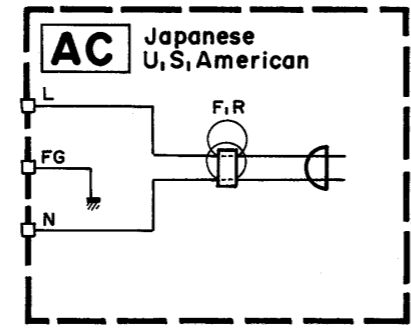
AD Japanese, U.S., American, Canadian Model YG-4035-004

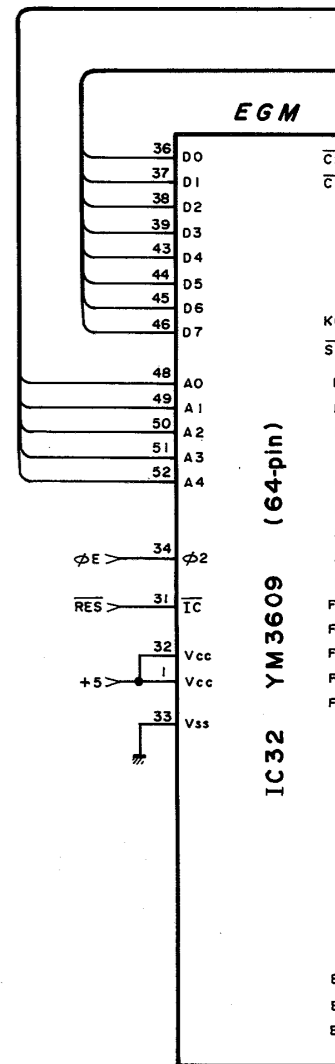
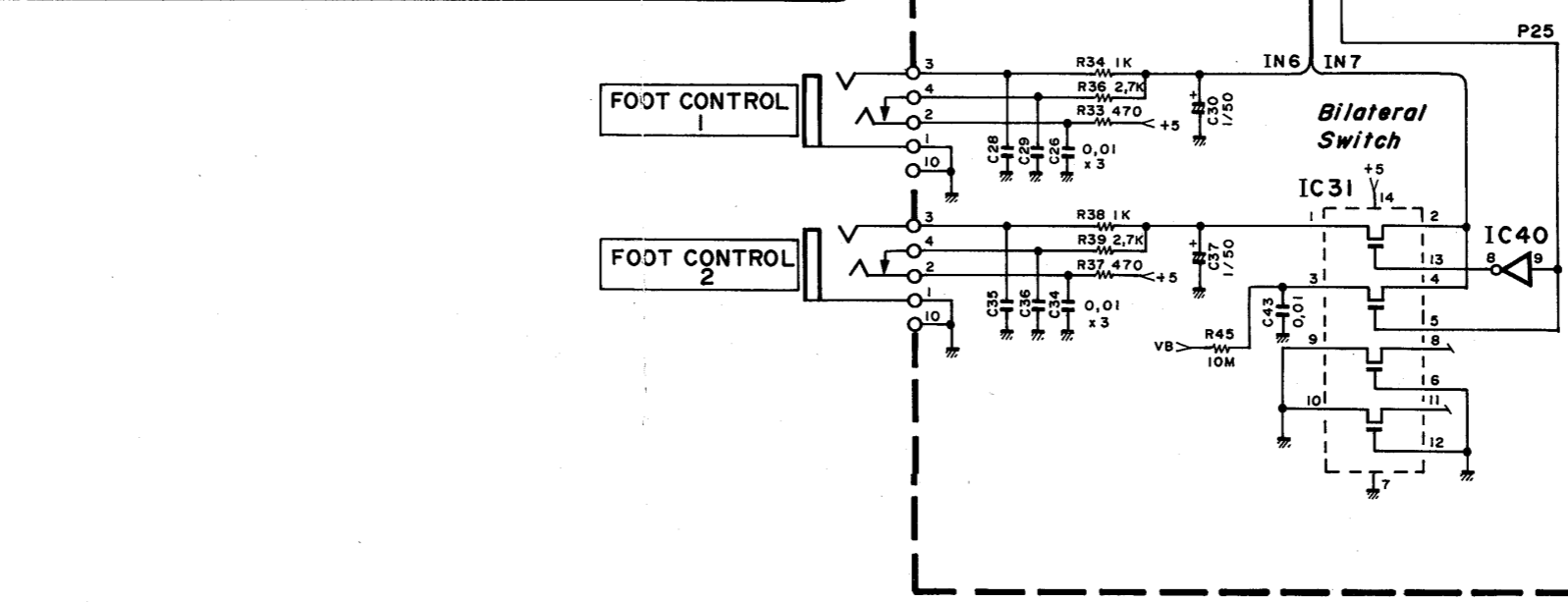
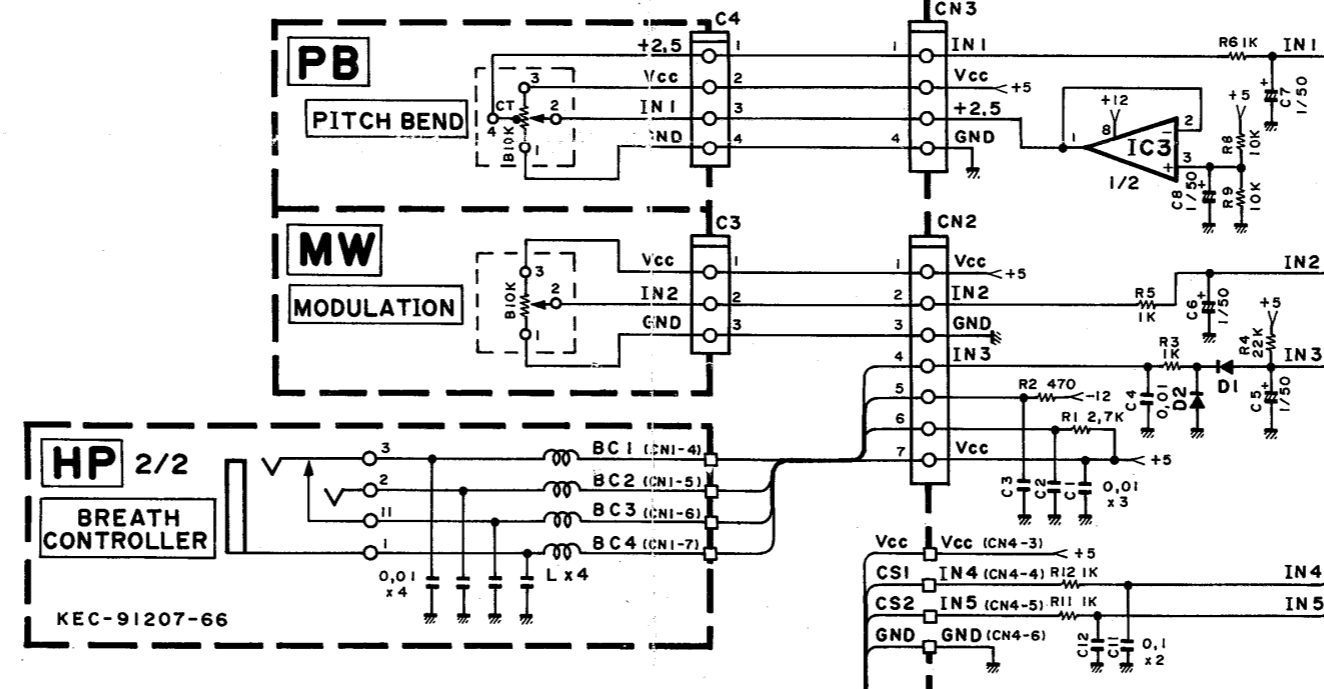
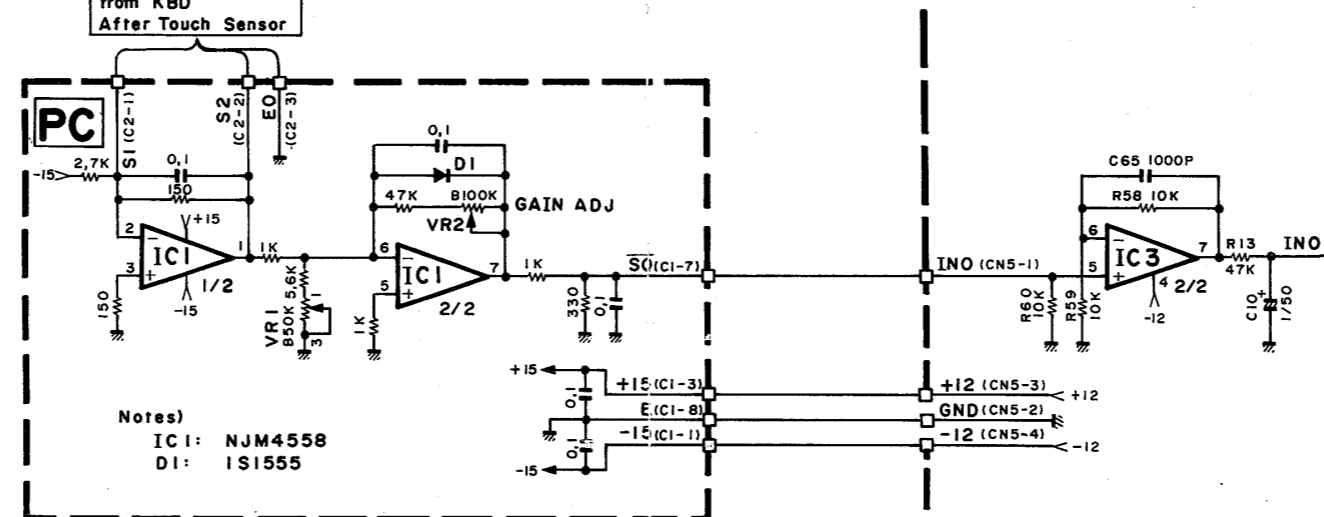
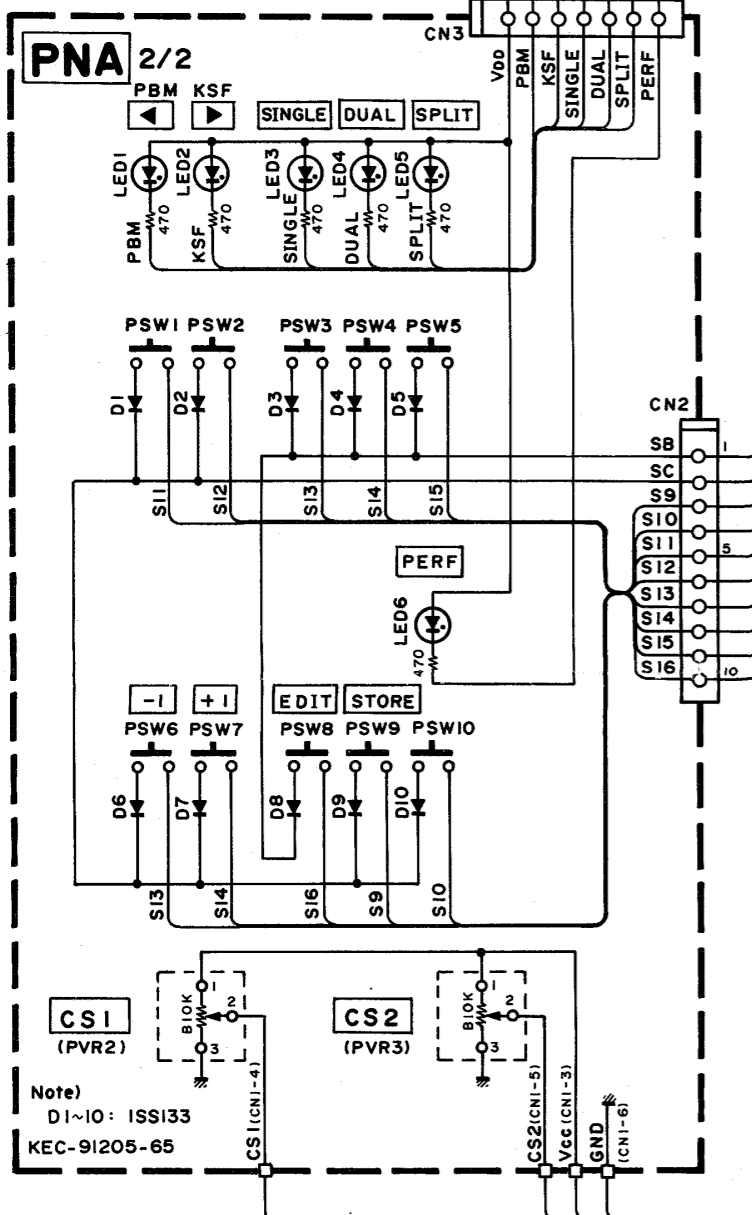
	Japanese	U.S., American	Canadian
F1	1,5A 250V	2,0A 250V	2,0A 250V
R2	1,8 3W	1,8 3W	SHORT
R3	1,8 3W	1,8 3W	6,8Ω.2A 250V
C1	0,1 125V	0,22 125V	0,1 125V
L2	10mH	20mH	10mH
T1	TYA024	TYA024	TYA023

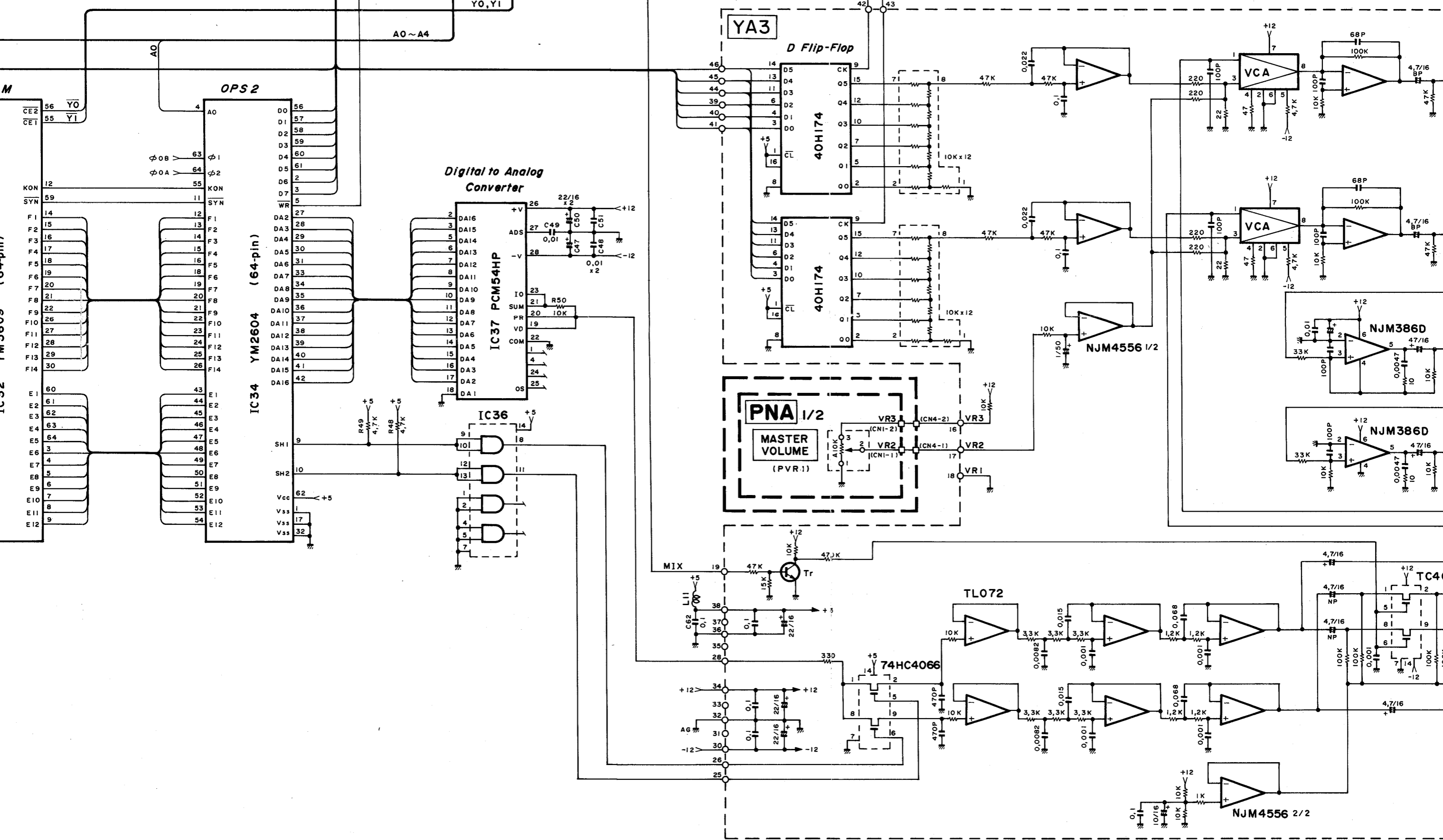


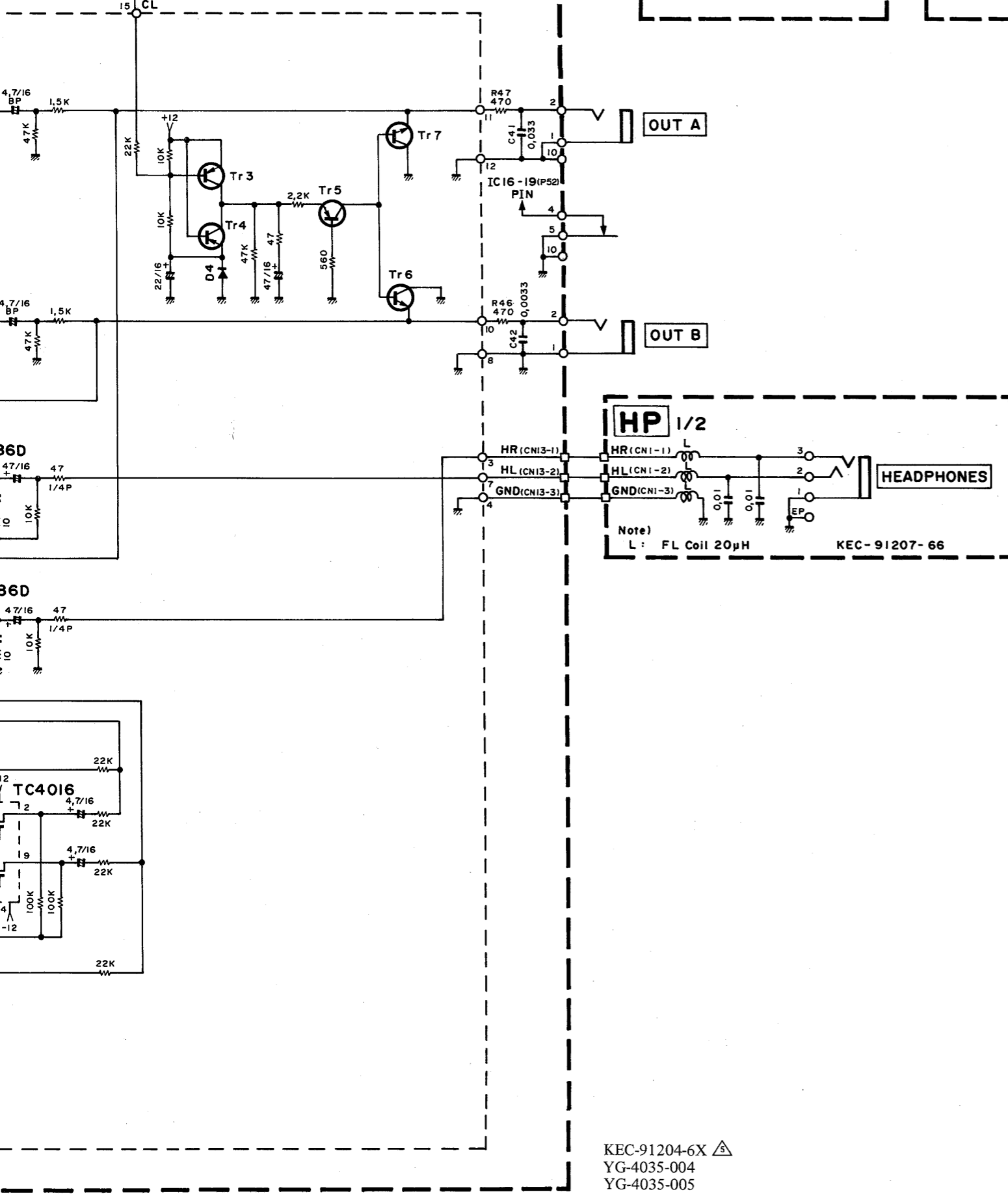
AD European, W.German, Australian Model YG-4035-005

	European	W.German
C1, C6	0,1 250V	0,47 250V
L1	20mH	40mH
L2	10mH	20mH
L3	T1, 25A 250V	T1, 25A 250V









KEC-91204-6X
 YG-4035-004
 YG-4035-005

DM Circuit Board

Notes)

Circuit Boards:

- IC1, 4, 27: TC40H138P (IG111900) DEC DEMP
- 2: PST518B-2 (IG116200) SYSTEM RESET
- 3: NJM4558DV (IG001390) OP AMP.
- 5*: TC40H174P (064100) DFF
- 6*, 18: HD7405 (IG105500) INV
- 7: HD74LS14P (IG049600) INV
- 8: TC74HC32N (IR003250) OR
- 9: HD74LS174P (IG050000) DFF
- 10, 11: TC40H240P (IG068100) INV
- 12: MC74HC245N (IR024570) TRAN
- 13, 19: HD74LS365AP (IG103200) DRIVER
- 14: M58990P-1 (IG106100) ADC
- 15: HD6805S1A33P (IG105300) CPU
- 16: HD63B03YP (XA444001) MPU
- 17: HD74LS244P (IG060000) DRIVER
- 20, 33, 40: TC40H004P (IG051000) INV
- 21, 41: TC40H074P (IG051100) DFF
- 22*: HM65256B L P-12 (XB243001) PSRAM
- 23: 973V100 (XC314001) EPROM
- 24*: WD1772PH-02 (XB623001) FDC
- 25, 26: TC5564PL-15 (XB013001) SRAM 8KX8
- 28: TC74HC138P (IR013800) DECO-8
- 29: TC40H032P (IG052800) OR
- 30: SN74HC10N (IR001050) NAND
- 31: TC4066BP (IG001270) ANALOG SW
- 32: YM3609 (XA89001) EGM
- 34: YM2604 (XA489001) OPS2
- 35: TC40H139P (IG078300) DECODER
- 36, 39: SN74HC08N (IR000850) AND
- 37: PCM54HP (XA566001) DAC
- YA3: HYBRID (XB622002)

- PC1: TLP552
- Tr1: 2SA9335Q, R
- 2: 2SC1740S R, S
- D1 ~ 4: 1SS133
- RM1 ~ 4: Resistor Array 10KΩX8
- 5*: Resistor Array 1KΩX5
- L1, 2, 4 ~ 7, 11: FL Coil
- EMI1 ~ 3: 0.022μ
- CR1: Quartz Crystal Unit 9.4265MHz
- CL1: Ceramic Resonator 8MHz
- B1: Lithium Battery CR2032-P5-2

*: DX7IJ-FD Only

● IC23

	J 1	J 2	J 3	J 4
EP ROM	○	×	×	○
MASK ROM	×	○	○	×

AD Circuit Board

Notes)

Market:

- Market: Japanese (J), U.S.A. (U), Canadian (C)
- IC1: μPC1093J
- PC1: PC-817
- Q1: 2SC3570, 2SC2929
- 2: 2SC2655
- D1: Diode Bridge S1WB40
- 2: ERB4406
- 3 ~ 5: 1SS84
- 6, 7: ERB4402
- 8: 5KQ30
- R1, 8, 12, 23 ~ 25: 1/4W
- 20 ~ 22: 1/2W
- R2, 3 (J, U): 1.8Ω 3W
- 4: 120kΩ 2W
- 6: 33kΩ 2W
- 9: 1Ω 2W
- 10, 11: 240Ω 2W
- 13: 56Ω 1W
- R3 (C): 6.8Ω 3W
- R14: 560Ω 1/4W
- 15, 19: 56Ω 1/2W
- 18: 150Ω 1/4W
- C1 (J, C): 0.1μ 125V
- 1 (U): 0.22μ 125V
- C7, 8: 2200P 250V
- 13: 0.01μ 250V
- 14: 1000P 1000V
- C15 ~ 18: 0.047μ 50V
- C11: 100μ 200V
- 19 ~ 22: 220μ 25V
- 23, 24: 2200μ 10V
- 25: 1μ 50V
- 1, 2 (J, C): 10mH
- 2 (U): 20mH
- 3 ~ 5: 47μH
- F1 (J): 1.5A 250V
- 1 (U, C): 2.0A 250V
- Notes)
- Market: North European (H), West German (D), Australian (A)
- IC1: μPC1093J
- PC1: PC-511
- Q1: 2SC3531
- 2: 2SC2655
- 3: 2SC1815
- D1: Diode Bridge S1WB60
- 2: ERB44-06
- 3 ~ 5: 1SS84
- 6, 7: ERB44-02
- 8: 5KQ30
- R1, 8, 12, 16, 17, 23 ~ 25: 1/4W
- 20 ~ 22: 1/2W
- R2, 3: 4.3Ω 5W
- R4, 5: 120KΩ 2W
- 6, 7: 68KΩ 2W
- 9: 1Ω 2W
- 10, 11: 560Ω 2W

9
10
11
12
13

13

14

DX7II·FD/D

A

B

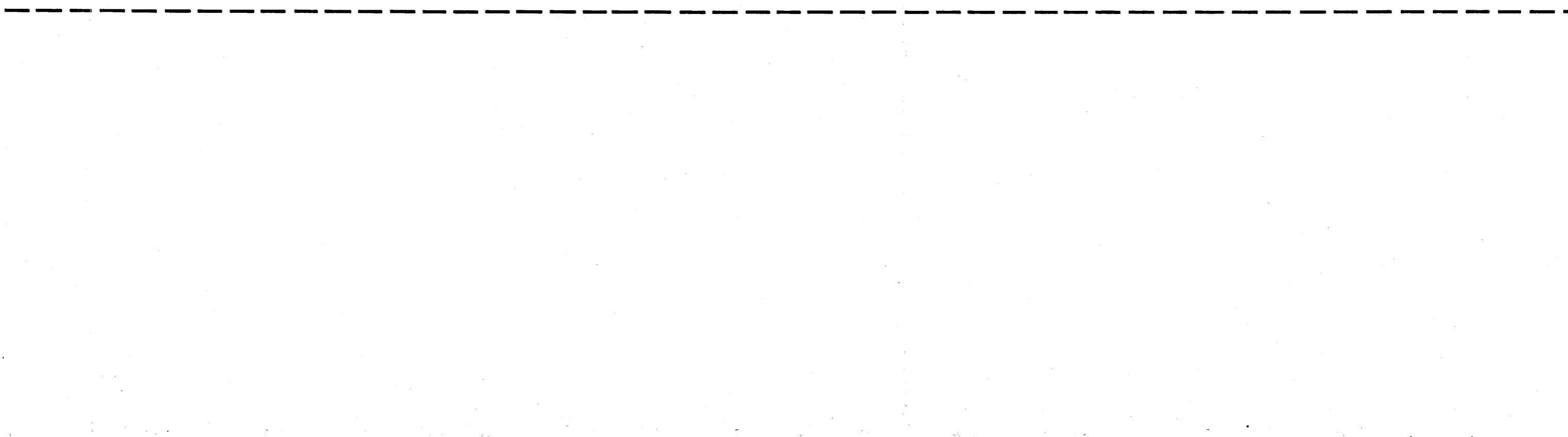
C

D

E

F

G



H	I	J	K	L	M	N
---	---	---	---	---	---	---

R4, 5:	120KΩ 2W
6, 7:	68KΩ 2W
9:	1Ω 2W
10, 11:	560Ω 2W
13:	82Ω 1W
R14:	510Ω 1/4W
15, 19:	56Ω 1/4W
18:	200Ω 1/4W
C1, 6 (H, A):	0.1μ 125V
1, 6 (D):	0.47μ 250V
C2, 3, 7, 8:	1000P 250V
4, 5, 9, 10:	2200P 250V
13:	0.01μ 250V
14:	100P 1000V
C15 ~ 18:	0.047μ 50V
C11, 12:	100μ 200V
19 ~ 22:	220μ 25V
23, 24:	220μ 10V
25:	1μ 50V
L 1 (H, A), 2 (D):	20mH
1 (D):	40mH
2 (H, A):	10mH
3 ~ 5:	47μH
F1:	1.25A 250V

DX7 II · FD/D

O

P

Q

R

S

T

13

14