

CARD 2/2



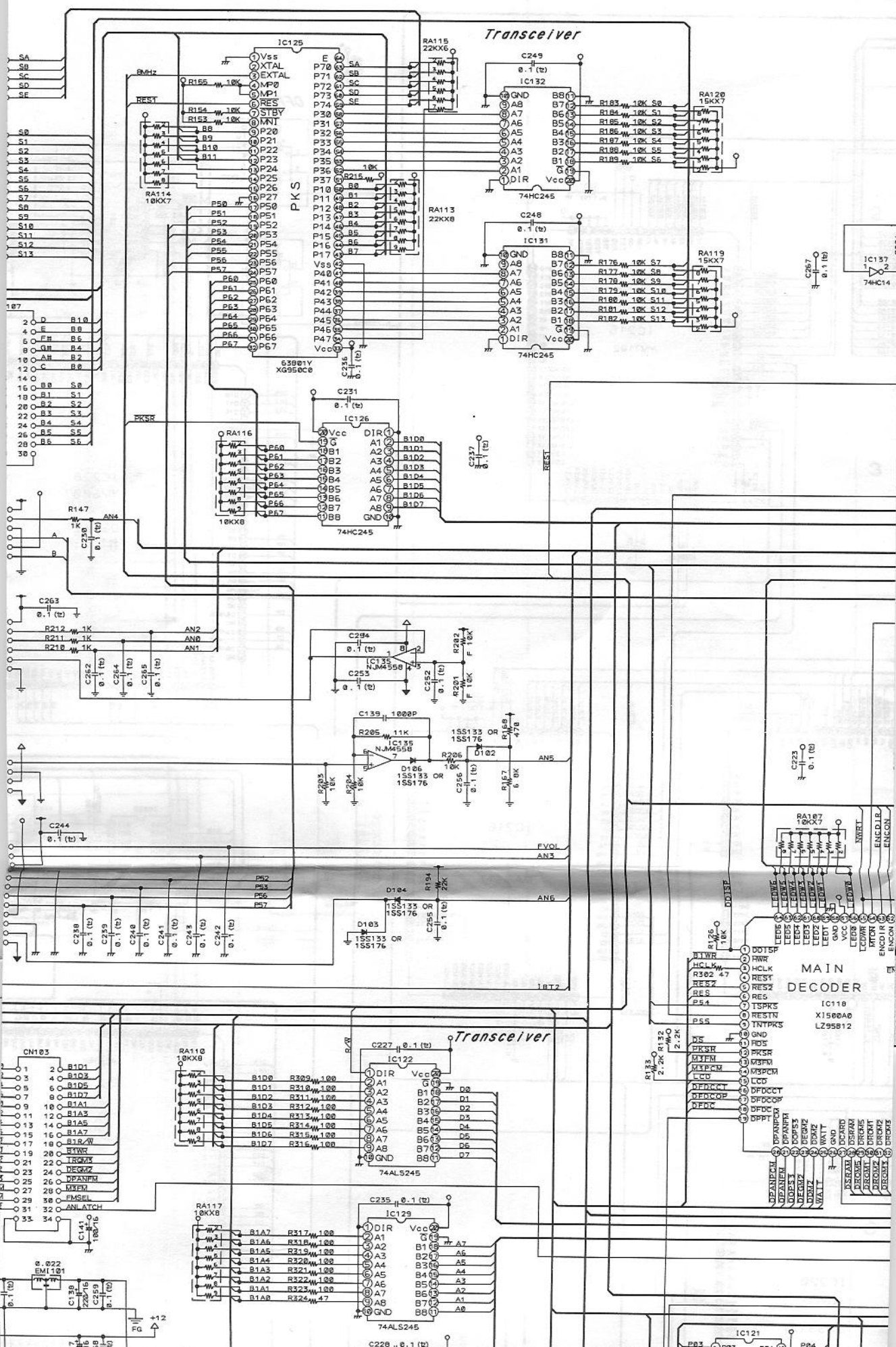
38CC1-8E

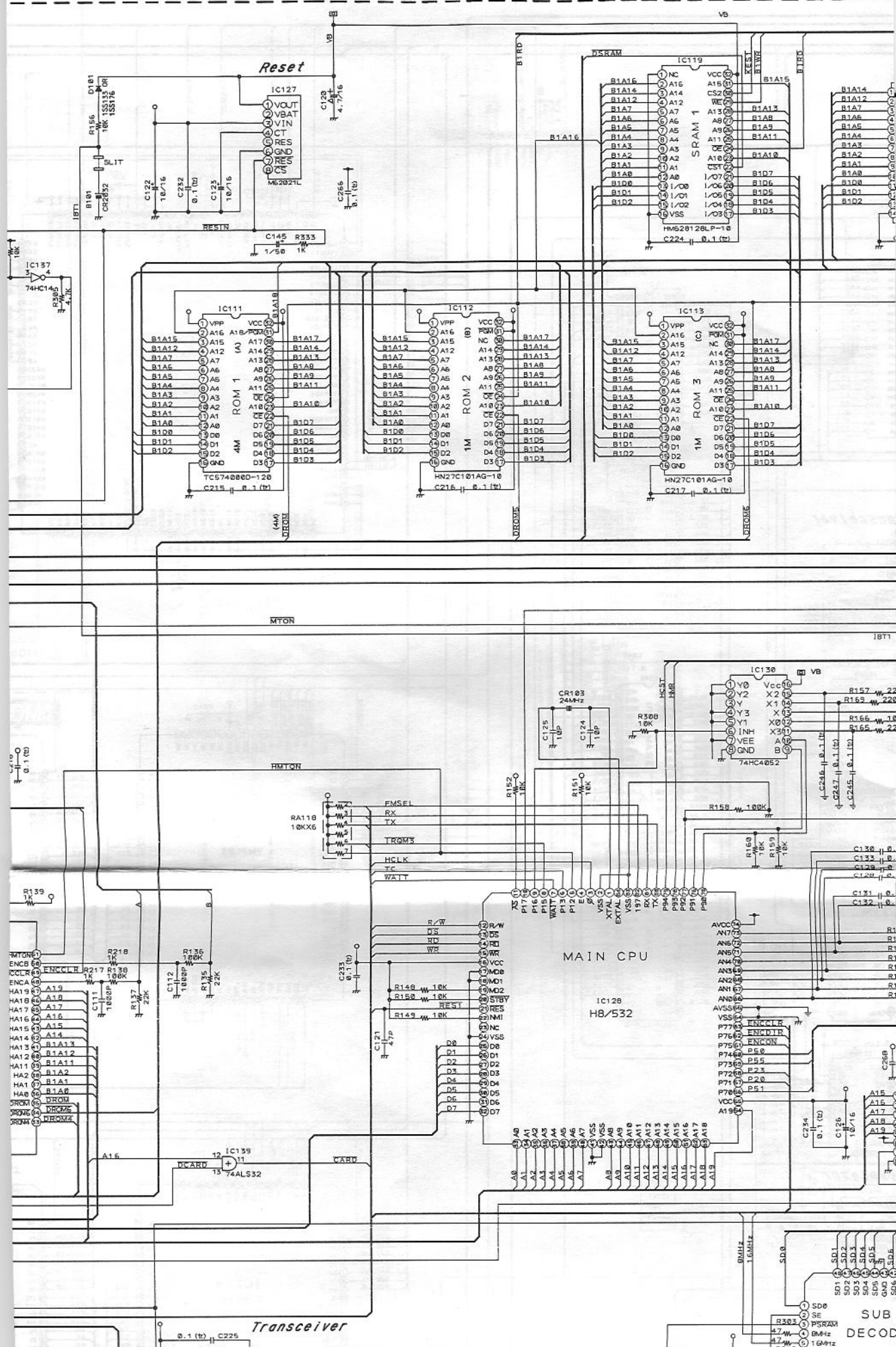


To DM2 CN205

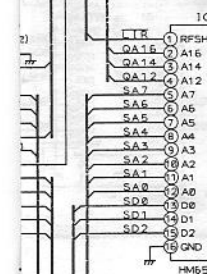
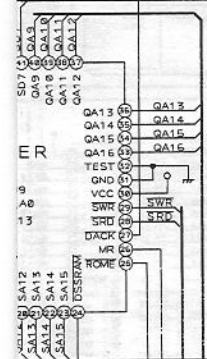
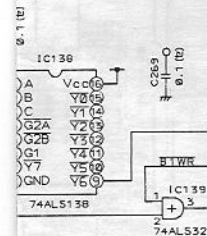
WHEEL

IEEL, PNC2/2, CARD1/2, LCD, PS)





201
 201
 201
 201
 201
 201
 51 W 3.3K
 73 W 3.3K AN6
 74 W 3.3K AN5
 72 W 3.3K AN4
 62 W 3.3K AN3
 61 W 3.3K AN2
 64 W 3.3K AN1
 75 W 3.3K AN0



O (J)
 O (U)
 O (C)
 O (H, D, A, B)

V 2A REGULATOR
) +12V REGULATOR
) -12V REGULATOR

01370)
 5A 200V
 88400)

80)

5

6

7

8

9

10

CONTRAST

CLICK VOLUME

VOLUME

FC

SUSTAIN

FS

BC

JKB 2/2

WHEEL

PITCH BEND

MODULATION

PC

PRESSURE SENSOR

JK

LCD

PNC

DATA ENTRY

ROTARY ENCODER

PNAB

OUT 1

OUT 2

OUT 2

L

R

JKB

To DM2 CN205

From PS CN6

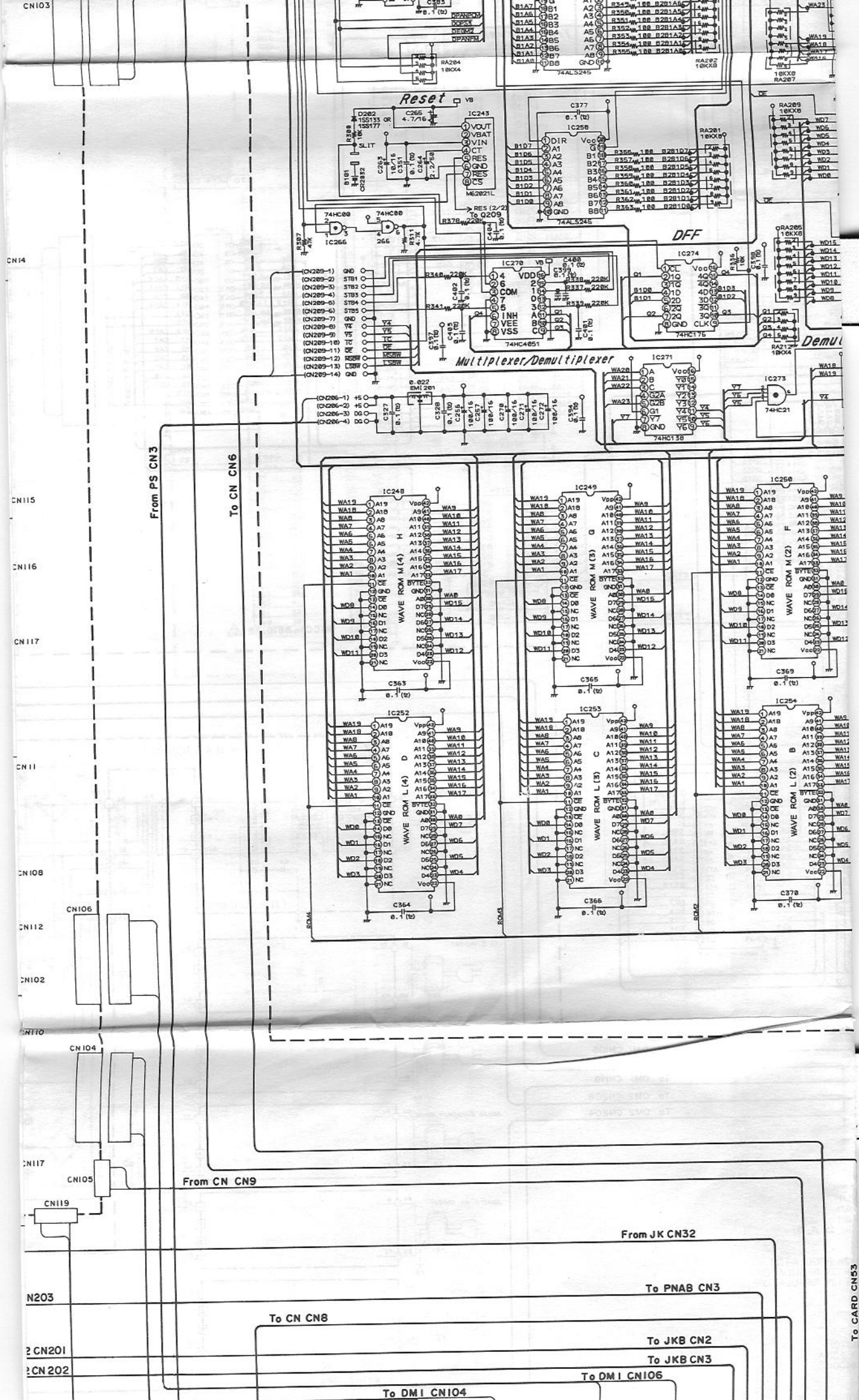
From PS CN4

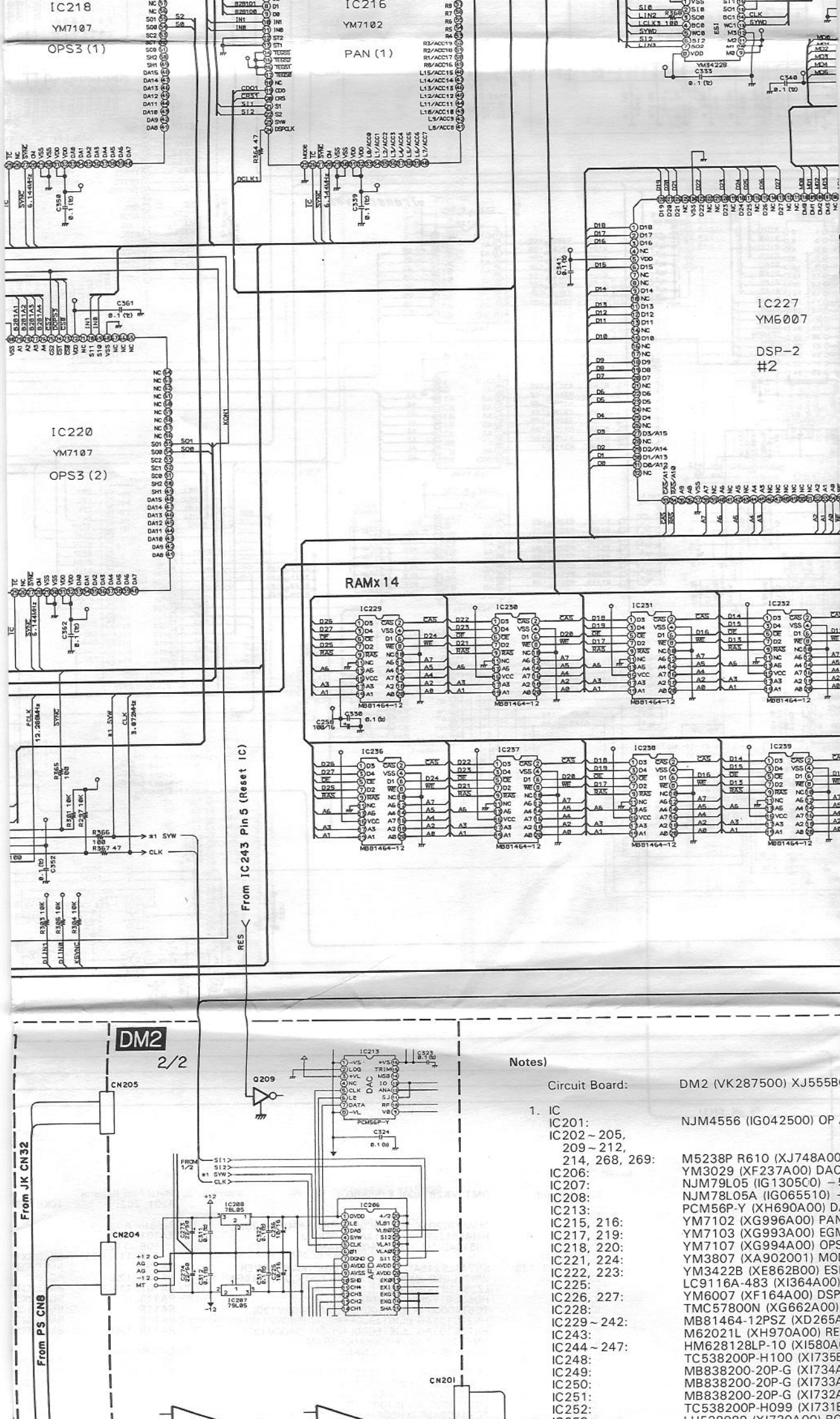
To DM2 C

From DM

From DM

To PNC C





Notes)

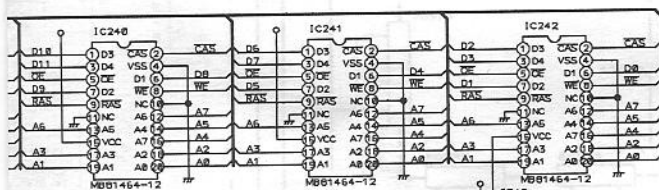
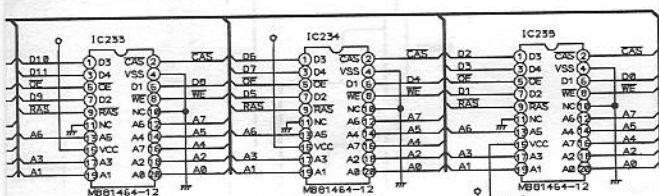
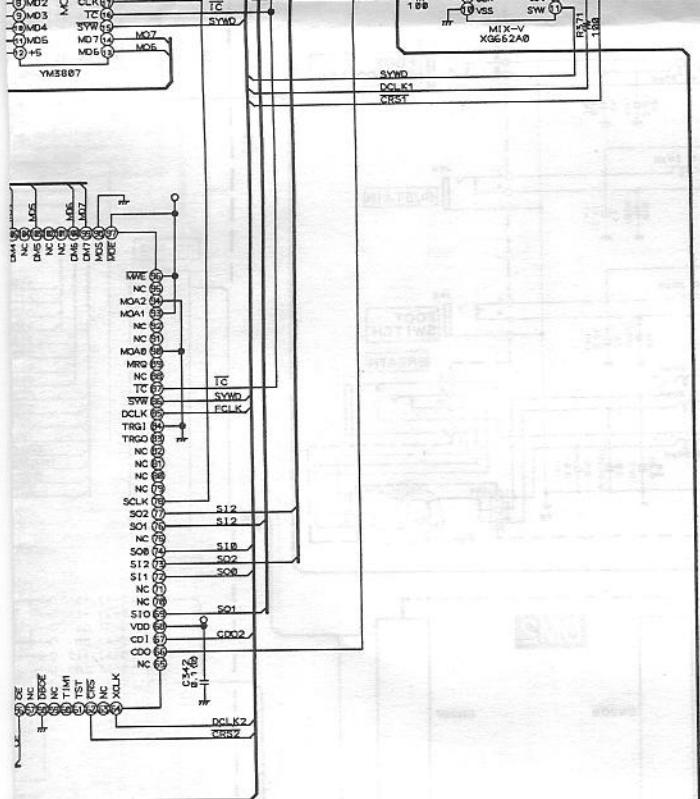
Circuit Board:

DM2 (VK287500) XJ555B0

- IC 201: 209 ~ 212, 214, 268, 269:

NJM4556 (IG042500) OP A

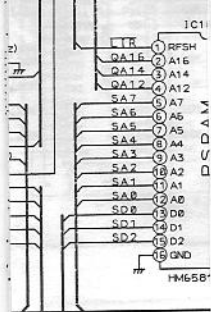
- IC 206: M5238P R610 (XJ748A00)
- IC 207: YM3029 (XF237A00) DAC
- IC 208: NJM79L05 (IG1305C0) - 5
- IC 213: NJM78L05A (IG065510) +
- IC 215, 216: PCM56P-Y (XH690A00) DA
- IC 217, 219: YM7102 (XG996A00) PAN
- IC 218, 220: YM7103 (XG993A00) EGM
- IC 221, 224: YM7107 (XG994A00) OPS
- IC 222, 223: YM3807 (XA902001) MOD
- IC 225: YM3422B (XE862B00) ESI
- IC 226, 227: LC9116A-483 (X1364A00)
- IC 228: YM6007 (XF164A00) DSP2
- IC 229 ~ 242: TMC57800N (XG662A00) I
- IC 243: MB81464-12PSZ (XD265A)
- IC 244 ~ 247: M62021L (XH970A00) RES
- IC 248: HM628128LP-10 (X1580A0)
- IC 249: TC538200P-H100 (X1735B)
- IC 250: MB838200-20P-G (X1734A)
- IC 251: MB838200-20P-G (X1733A)
- IC 252: MB838200-20P-G (X1732A)
- IC 253: TC538200P-H099 (X1731B)
- IC 254: LC538089 (X1730A00) RO



SI 1, SI 2

38CC1-8810169

5. Resistor Array
RA201 ~ 203, RGLD8X103J (VE445200)
205 ~ 211: RGLD4X103J (VE443500)
RA204, 212, 213:
 6. Trimmer Potentiometer
VR201: B100K EVN (VB593200)
 7. Chip Resistor
R348 ~ 363: 100Ω 0.1W J (RD255100)
 8. Semiconductive Cera. Cap.
C399 ~ 404: 0.1μ 25V Z (VC694800)
 9. Chip Monolithic Cera. Cap.
C301 ~ 357, 359 ~ 388, 394 ~ 398: F 0.1μ 25V Z (VJ798800)
 10. EMI Filter
EMI 201: LS MT Y223NB (FZ006970)
 11. Quartz Crystal Unit
X201: AF2138CG (VI552000) 12.288MHz
 12. Lithium Battery
B101: SONY/CR2032 (VE338400)
- Notes)



O (J)
O (U)
O (C)
O (H, D, A, B)

V 2A REGULATOR
+12V REGULATOR
-12V REGULATOR

01370)
6A 200V
88400)

80)

0) (H, D, A, B only)

0)

0760)

76000) POWER

0)

20)

30)

390)

SY99

From PS CN6

PNC

DATA ENTRY

ROTARY
ENCODER

CN8

CN7

CN1

CN2

PNAB

OUT1

OUT2

From PS CN4

To DM2 C

From DM

From DM

To PNC C

POWER

SW1

CN6

AC IN

FR1

OUT 2
R
L

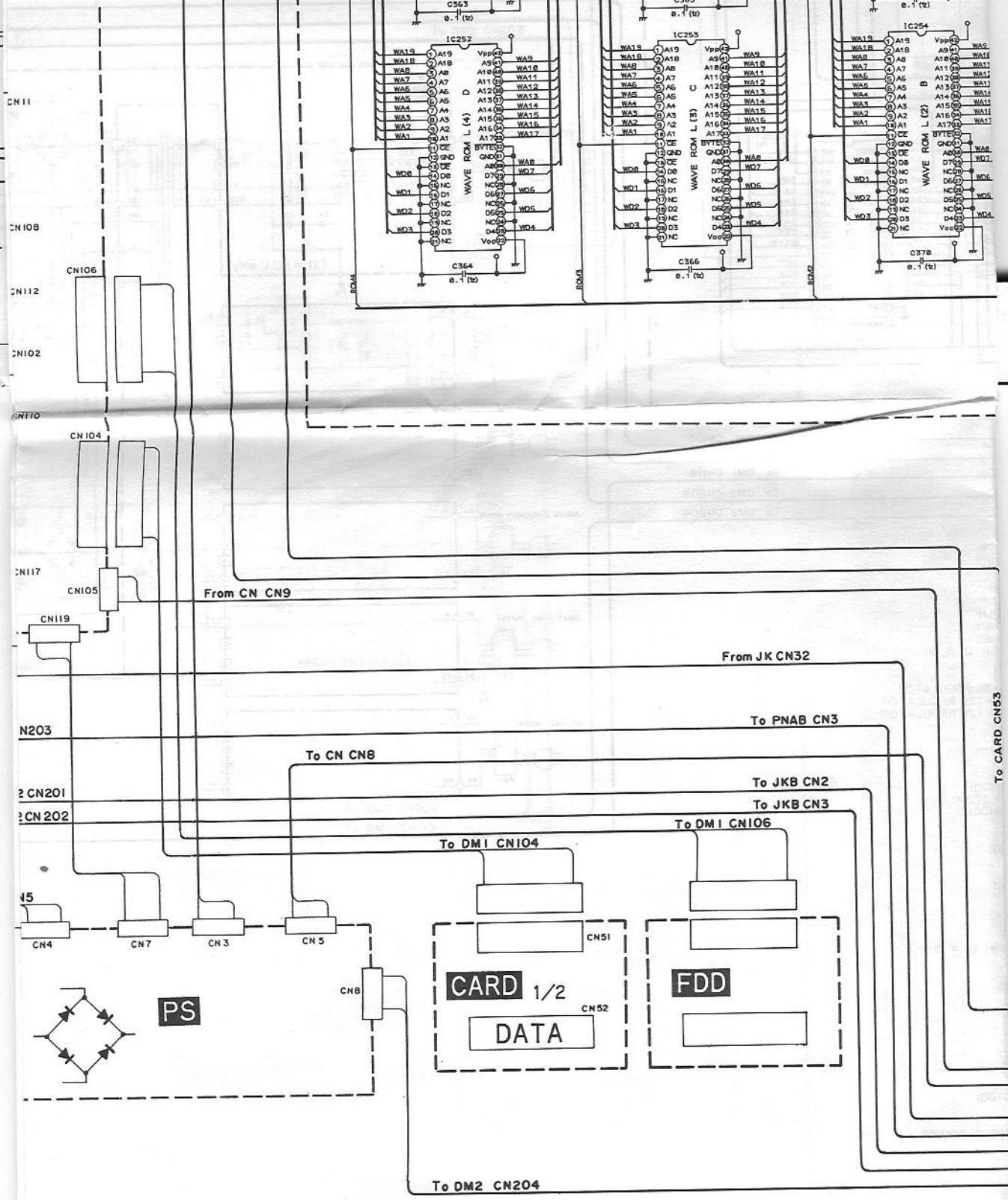
OUT1/1+2
R
L

PHONES

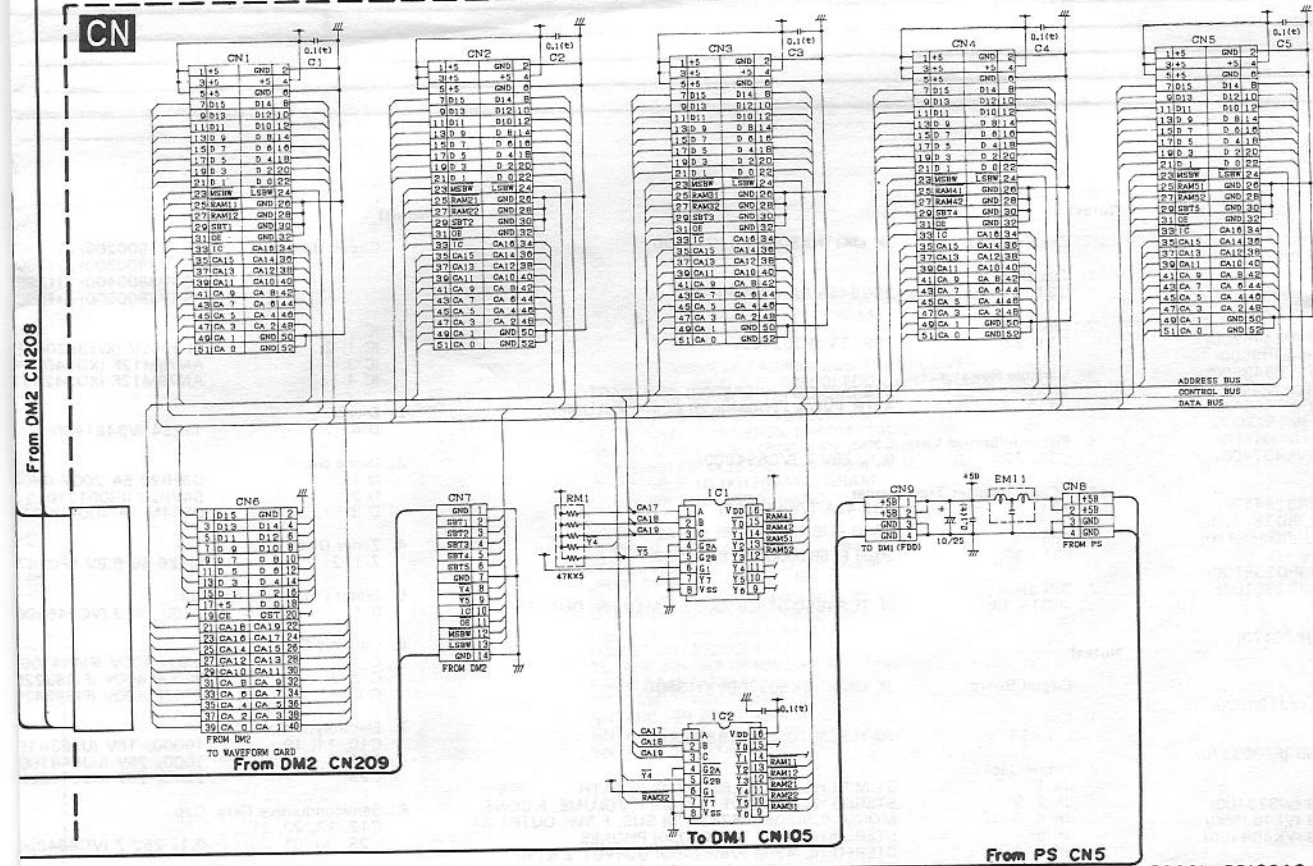
JKB
1/2

AC IN

FR1



D	M	E	F
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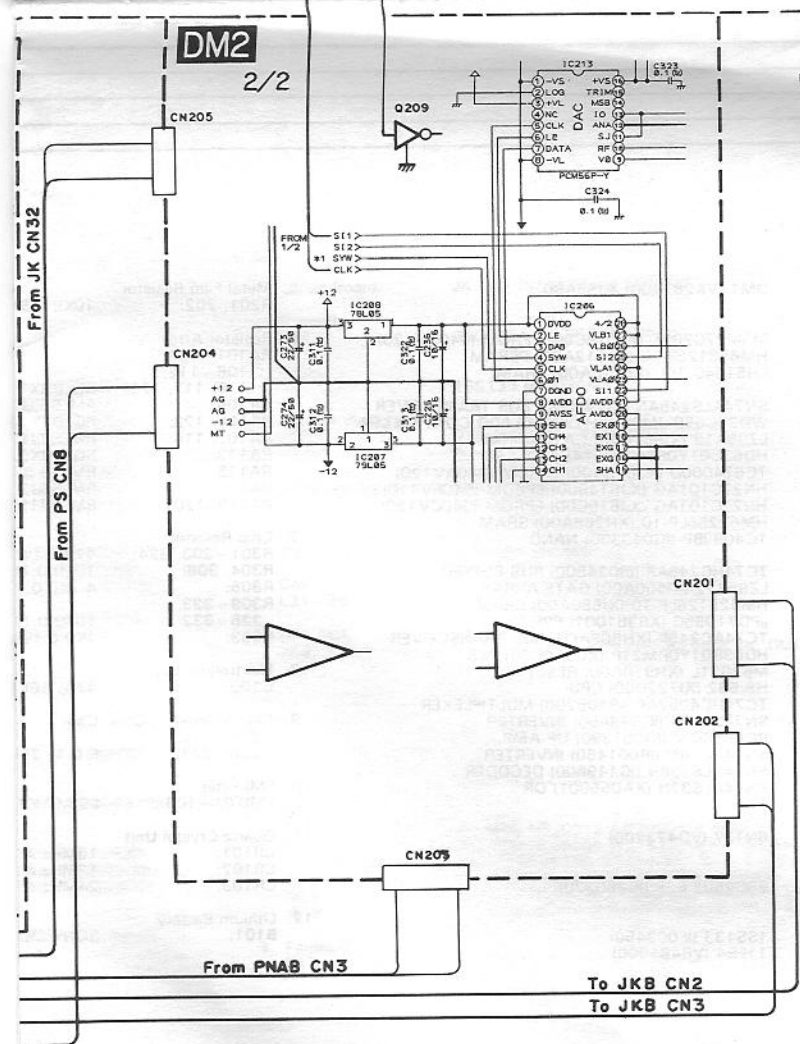
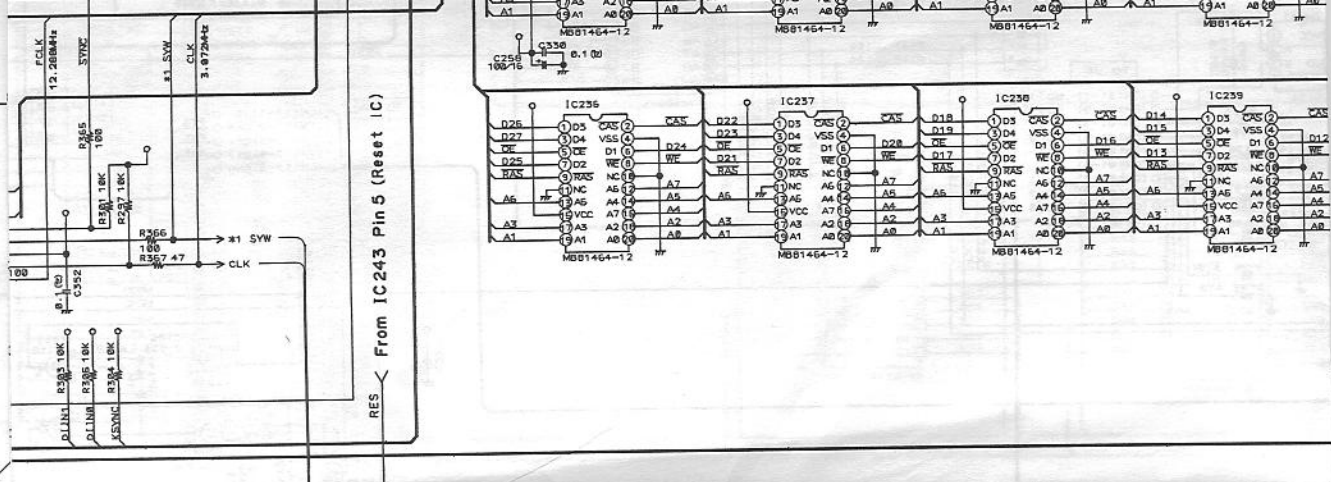
38CCI-8810248

G

H

1

J



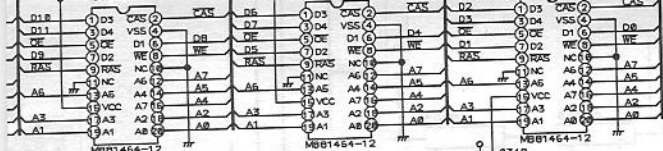
- Notes)
- Circuit Board: DM2 (VK287500) XJ555B0
- IC

IC201:	NJM4556 (IG042500) OP A
IC202 ~ 205,	
209 ~ 212,	
214, 268, 269:	M5238P R610 (XJ748A00)
IC206:	YM3029 (XF237A00) DAC
IC207:	NJM79L05 (IG1305C0) -5
IC208:	NJM78L05A (IG065510) +
IC213:	PCM56P-Y (XH690A00) DA
IC215, 216:	YM7102 (XG996A00) PAN
IC217, 219:	YM7103 (XG993A00) EGM
IC218, 220:	YM7107 (XG994A00) OPS
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IC222, 223:	YM3422B (XE862B00) ES
IC225:	LC9116A-483 (X1364A00)
IC226, 227:	YM6007 (XF164A00) DSP2
IC228:	TMC57800N (XG662A00) I
IC229 ~ 242:	MB81464-12PSZ (XD265A)
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IC250:	MB838200-20P-G (X1733A)
IC251:	MB838200-20P-G (X1732A)
IC252:	TC538200P-H099 (X1731B)
IC253:	LH538089 (X1730A00) RO
IC254:	LH538088 (X1729A00) RO
IC255:	LH538087 (X1728A00) RO
IC256, 257:	YM7119 (XG995A00) M3
IC258 ~ 260:	SN74ALS245ANSR (XE057)
IC261, 264:	SN74LS245ANSR (XH779A)
IC262, 263, 265:	TC74HC245F-T1 (XD603A)
IC266:	TC74HC00AF-TP1 (XD655)
IC267:	SN74HC74NSR (XC726001)
IC270:	TC74HC4051AF (XJ623A0)
IC271, 272:	SN74HC138NSR (XD835A)
IC273:	TC74HC21AF (XJ622A00)
IC274:	TC74HC175AF-TP1 (XD65)
 - Transistor

Q201 ~ 208:	2SC2878 A, B (IC287820)
Q210:	2SA1115 E, F (IA111510)
 - Digital Transistor

Q209:	DTC143XS TP (VD488500)
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 - Diode

D202 ~ 204:	1SS133 (IF003450)
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SI1, SI2

38CCI-8810169

MP.

OP AMP.

REGULATOR
5V REGULATOR

2

W80 DECODER

MIX5
O) DRAM 256K
ET
O) SRAM 1M
O) ROM 8M
O) ROM 8M
O) ROM 8M
O) ROM 8M
O) ROM 8M
1 8M
1 8M
1 8M

A00) BUFFER
O) BUFFER
O) TRANSCEIVER
O) NAND
O) DFF
O) MULTIPLEXER
O) DECODER
2-4 IN AND
3A00) DFF

5. Resistor Array
RA201 ~ 203, 205 ~ 211: RGLD8X103J (VE445200)
RA204, 212, 213: RGLD4X103J (VE443500)
6. Trimmer Potentiometer
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11. Quartz Crystal Unit
X201: AF2138CG (VI552000) 12.288MHz
12. Lithium Battery
B101: SONY/CR2032 (VE338400)

Notes)

- Circuit Board: CN (VK666500) XJ529B0
1. IC
IC 1, 2: TC74HC138AP (IR013800) DECODER-8
 2. Resistor Array
RM 1: RMLS5 J 473 (VF169200)
 3. Semiconductive Cera. Cap.
C 1 ~ 5, 7, 8: 0.1μ 25V Z (VC694800)
 4. EMI Filter
EMI 1: DSS306-93F223Z1 (VD542700)
 5. Connector
CN 1 ~ 5: FX2 52P SE (VL347400)
CN 6: HIF 40P SE (LB903400)

Notes)

- Circuit Board: JK (CARD) (NX809710) XI138D0
1. Semiconductive Cera. Cap.
C51: 0.1μ 25V Z (VC694800)
 2. Connector, IC Card
CN52: 38P IC3A-38PS-1.27D (VF821100) DATA
CN54: 50P 264D-550P-28D8 (VH985300) WAVEFORM

SY99

N

O

P

Q

8

9

10

11

12