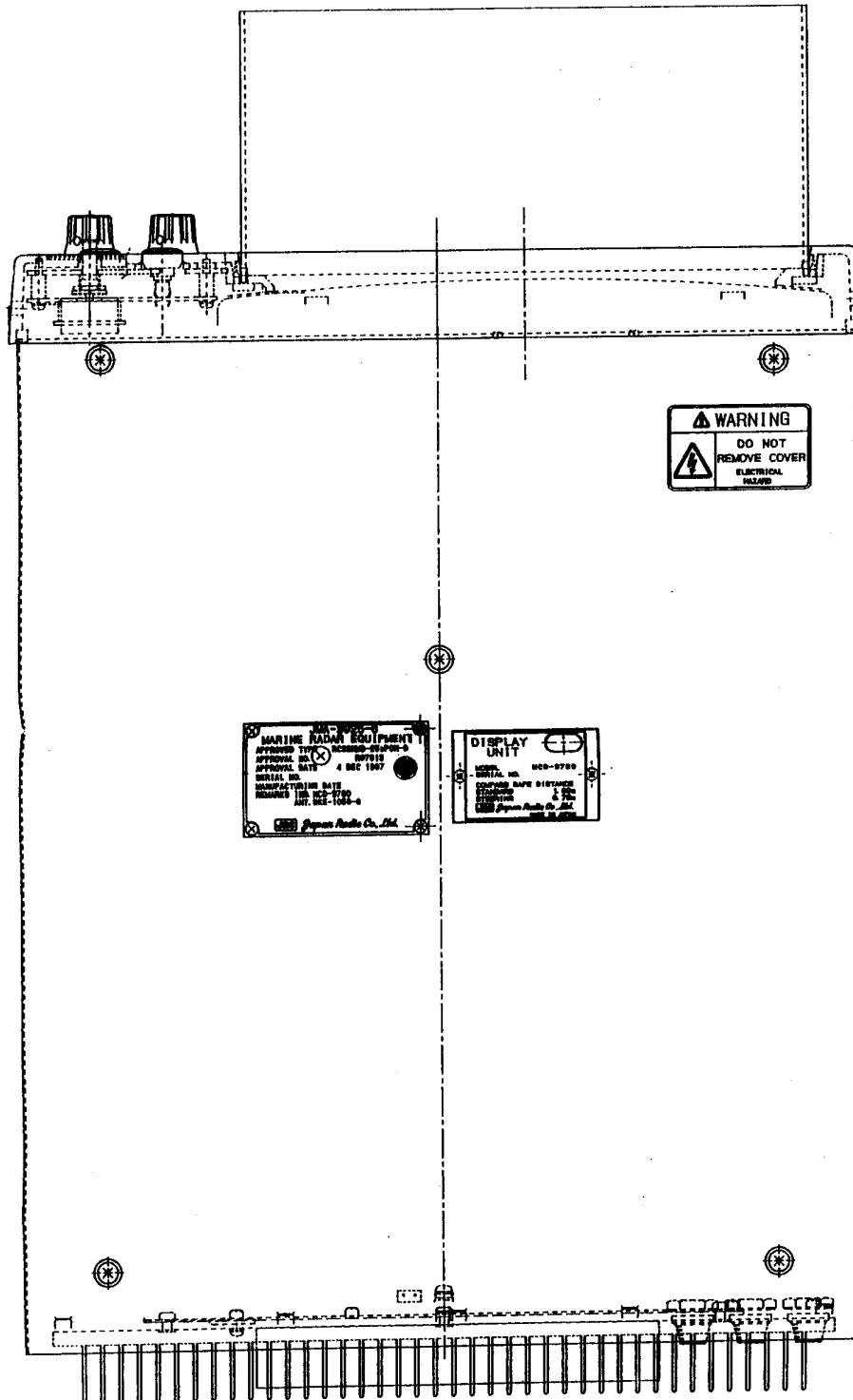
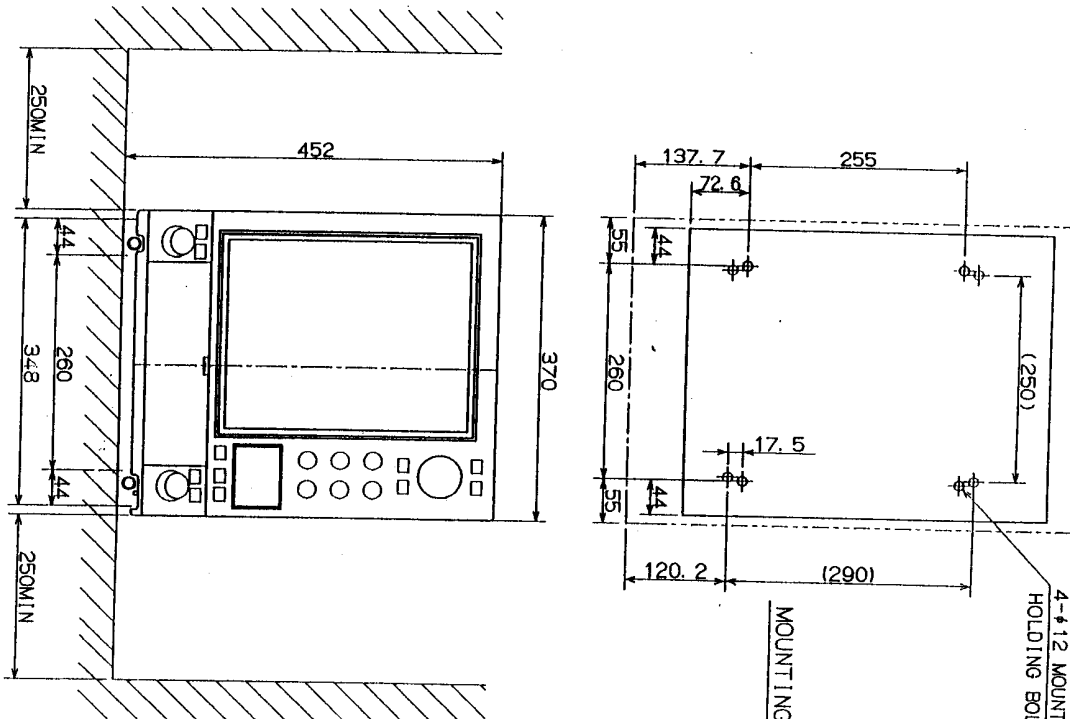


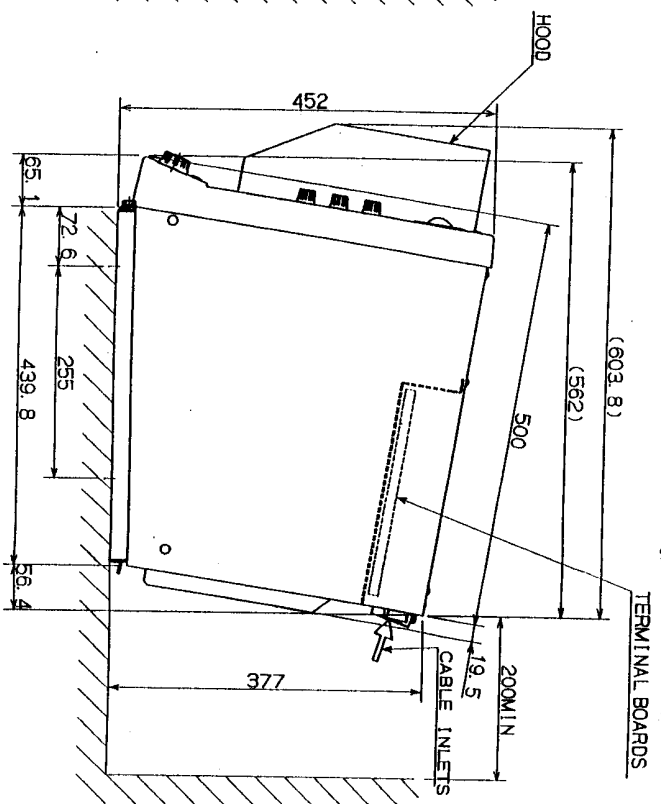




4-#12 MOUNTING HOLES
HOLDING BOLT M10

MOUNTING DIMENSIONS

UNLESS OTHERWISE SPECIFIED		
DIMENSION	SPECIFIED TOLERANCE	TOLERANCE
0 TO 30	± 1	± 0.5
OVER 30 TO 120	± 1.5	± 1
OVER 120 TO 400	± 2.5	± 2
OVER 400 TO 1000	± 4	± 3
OVER 1000 TO 2000	± 6	± 4
OVER 2000 TO 3000	± 8	± 5

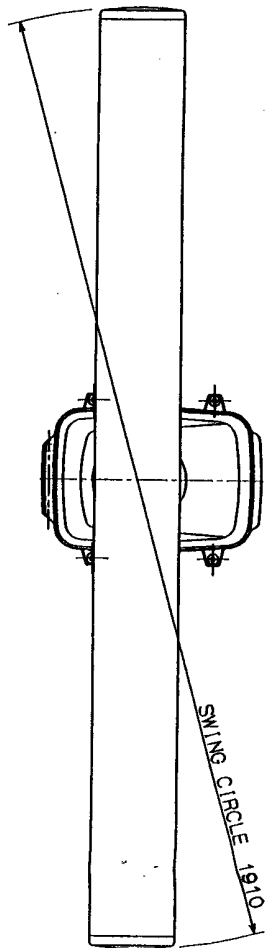


TERMINAL BOARDS

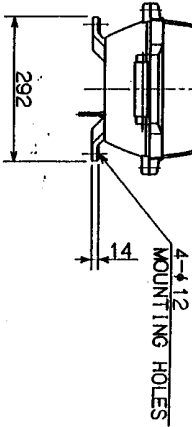
WEIGHT APPROX. 34 K G.

APPROVED		DATE		TITLE	
M. Morikubo		19 MAY '98		NCD-3780 DISPLAY UNIT	
CHECKED		SCALE		SHEET NO.	
R. Funakoshi		A3		1 / 1	
JRC Japan Radio Co., Ltd.					
SCNCD5106					
DRAWING NO.					

3rd Angle System Dimension mm 3



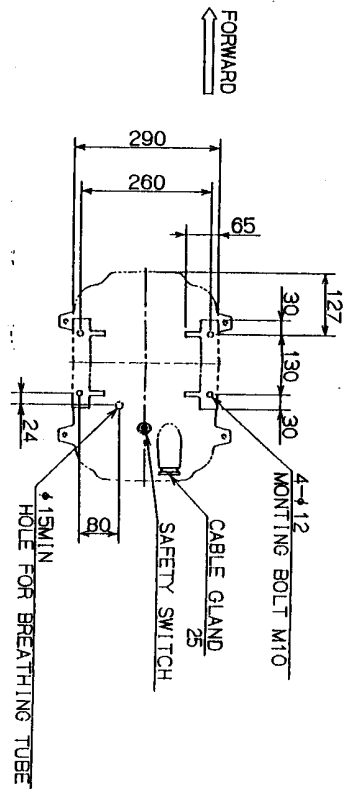
1890 (SWING CIRCLE 1910)



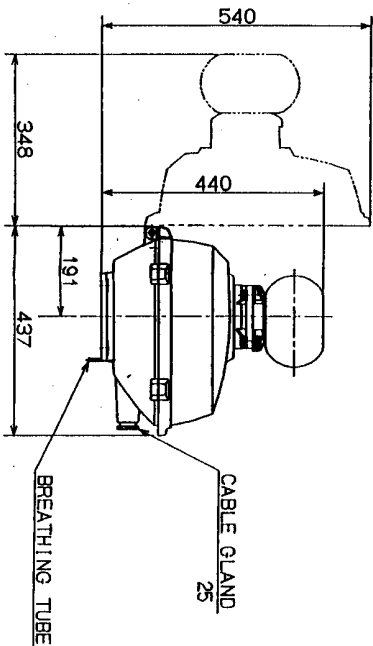
UNLESS OTHERWISE SPECIFIED

DIMENSION	SPECIFIED	TOLERANCE	TOLERANCE
0 TO 30	± 1		± 0.5
OVER 30 TO 120	± 1.5		± 1
OVER 120 TO 400	± 2.5		± 2
OVER 400 TO 1000	± 4		± 3
OVER 1000 TO 2000	± 6		± 5
OVER 2000 TO 3000	± 8		± 7

Dimension mm



MOUNTING DIMENSIONS



WEIGHT APPROX. 31 Kg

CHECKED	H. Kobayashi	APPROVED	H. Kobayashi	DATE	08 JUN '98	TITLE	SCNKE5134	SHEET NO.	1/1
DESIGNED	K. Oeuri	DESIGNED	K. Oeuri	SCALE	1:10	TITLE	OUTLINE DRAWING		

JRC Japan Radio Co., Ltd.

SCNKE5134

DRAWING NO.

3rd Angle System

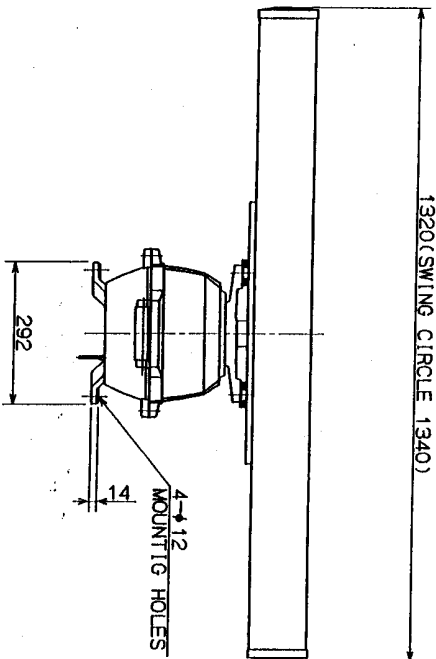
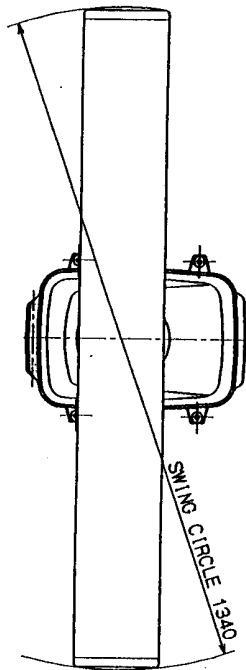
Dimension mm

3

6

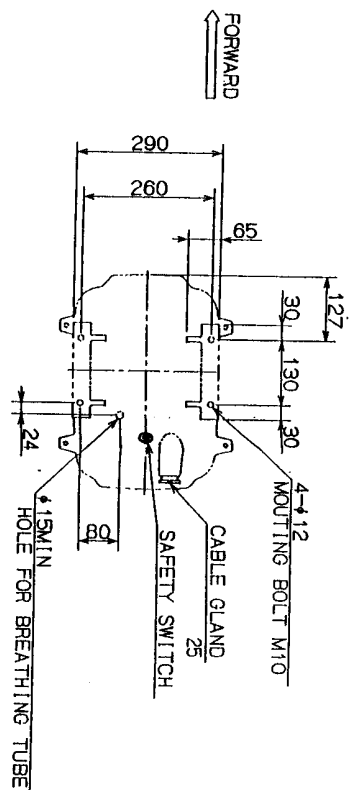
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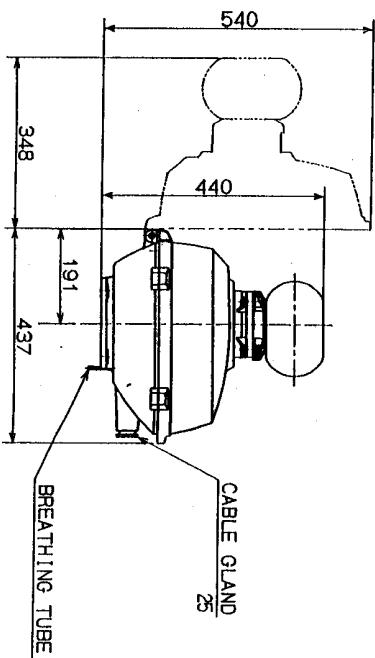


UNLESS OTHERWISE SPECIFIED

DIMENSION SPECIFIED	TOLERANCE	TOLERANCE
0 TO 30	± 1	± 0.5
OVER 30 TO 120	± 1.5	
OVER 120 TO 400	± 2.5	± 1
OVER 400 TO 1000	± 4	± 2
OVER 1000 TO 2000	± 6	
OVER 2000 TO 3000	± 8	± 3



MOUNTING DIMENSIONS

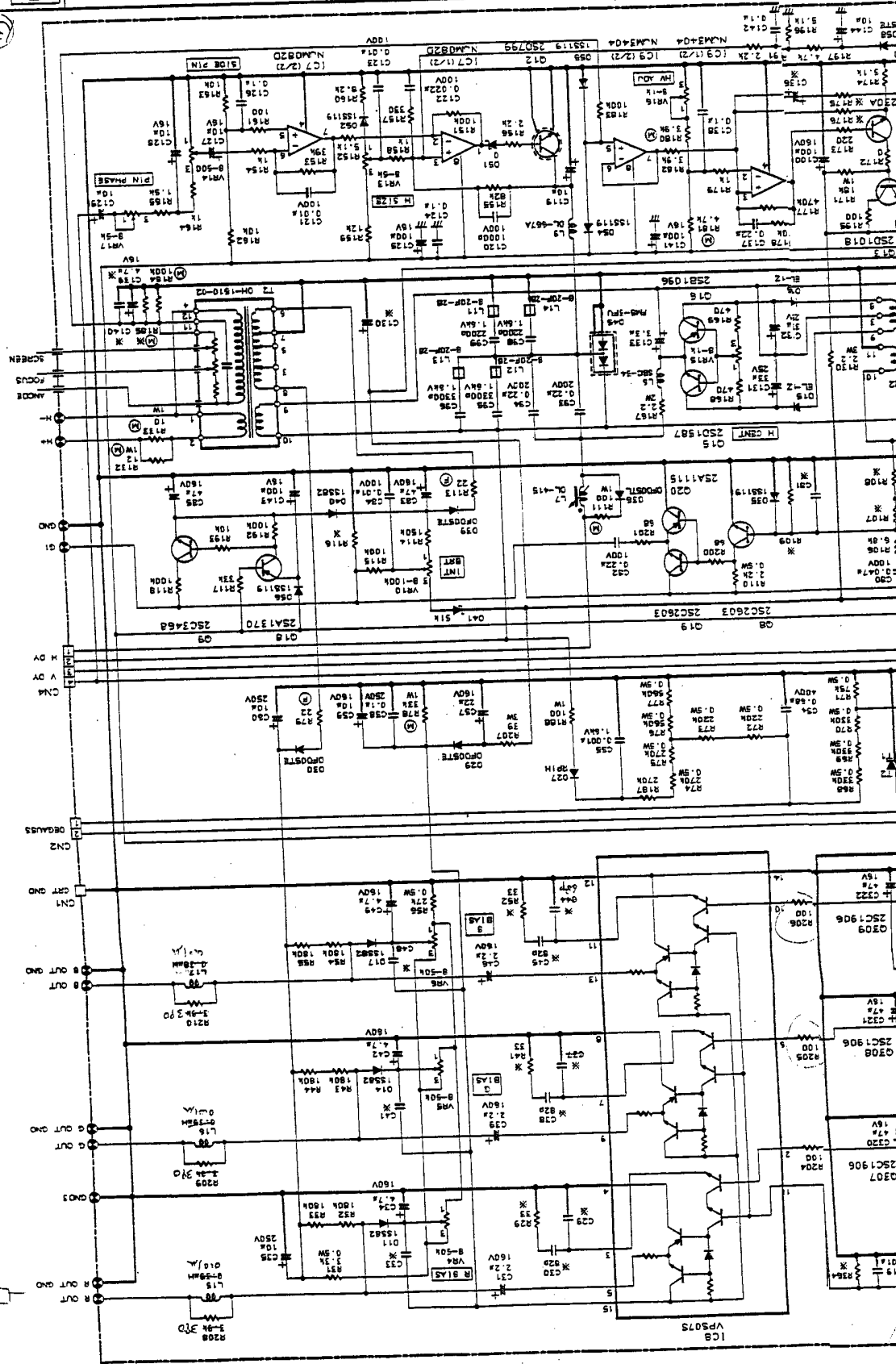


Dimension mm

WEIGHT APPROX. 29 Kg

APPROVED	DATE	TITLE	SHEET NO.
H. Kobayashi	08 JUN '98	NKE-1055-4 SCANNER UNIT	1
CHECKED	SCALE	OUTLINE DRAWING	1
H. Kobayashi	1:10		
K. Osuri			
JRC Japan Radio Co., Ltd.		DRAWING NO.	

SCNKE5133



SCALE	IN	APPRO	DATE	SIZE	SHEET	OF
TOLERANCE	CHK	DATE				
FINISH	DATE					
MATERIAL	DATE					

Q1513
MAIN
CIRCUIT DIAGRAM

2N305-201

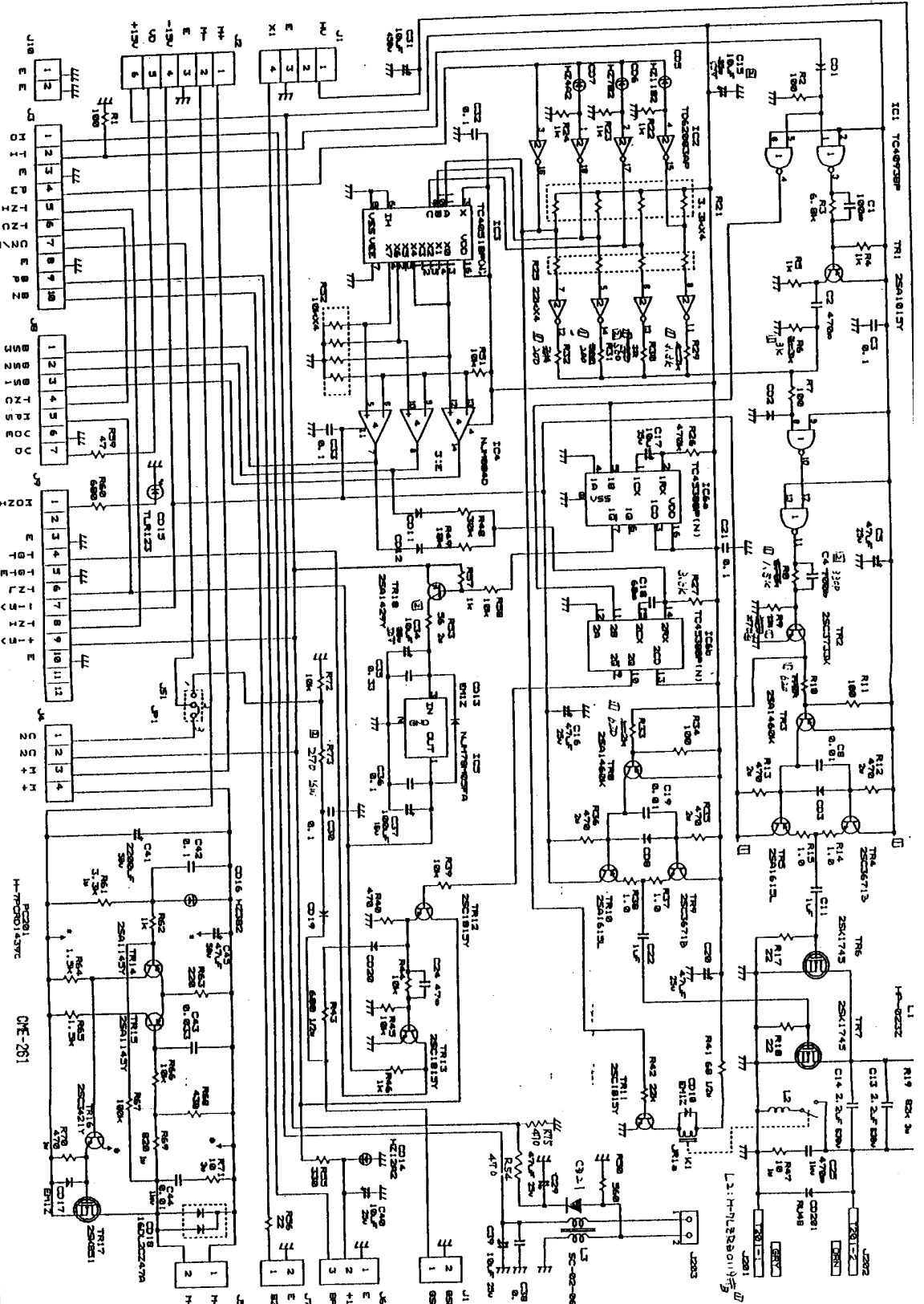
CHROMUSEN CO., LTD.
QUALITY, QUANTITY, QUICLY

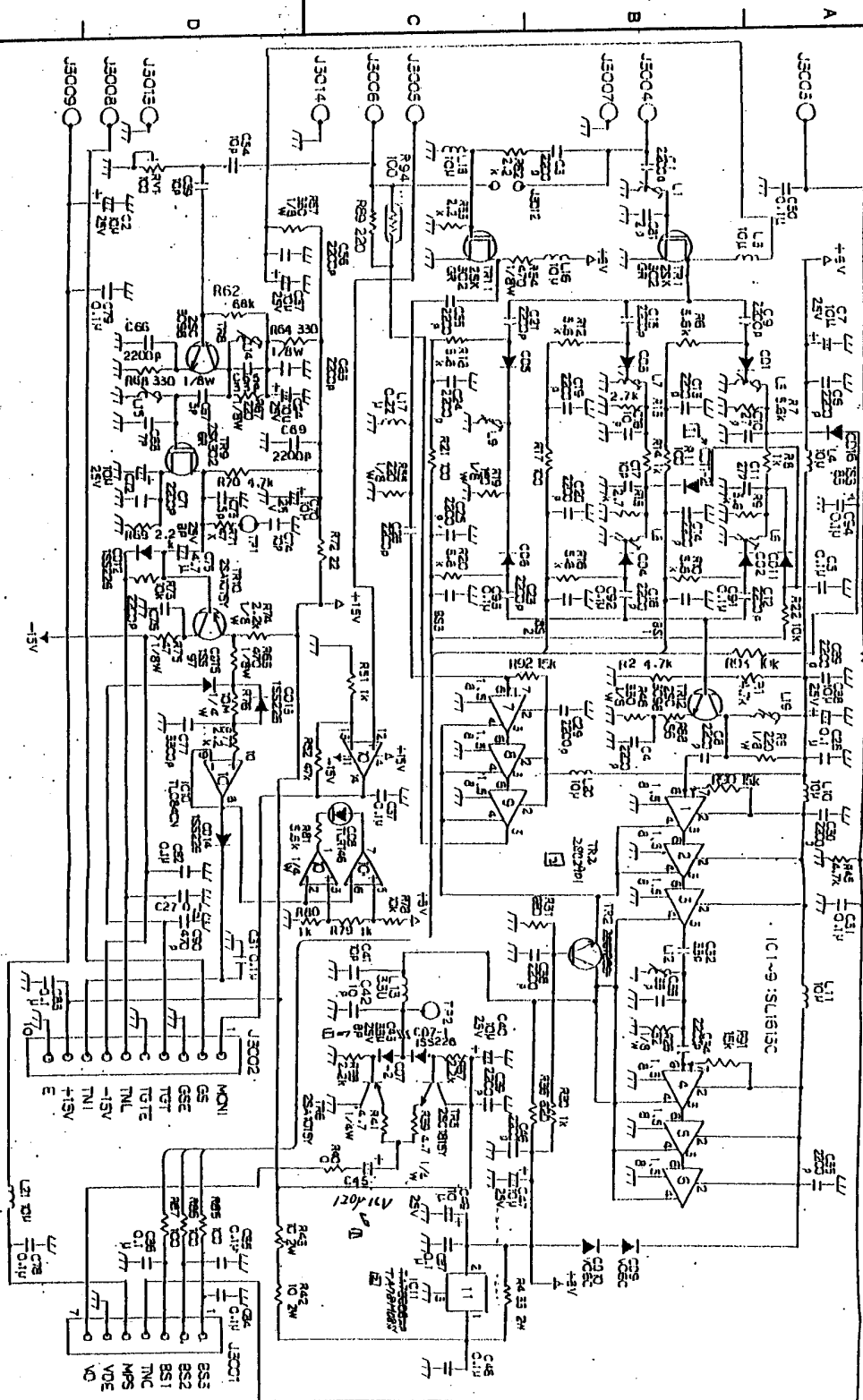
98.2.4
出廠
檢製機

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE IN OHMS, 1/4W RATING
ALL CAPACITORS ARE IN MICRO FARADS, 50V RATING
ALL DIODE :1SS120

JPI SETTING
1-2 short for JMA-3807/3811
2-3 short for JMA-3910

CHECKED <i>M. Sudo</i>	APPROVED	DATE	TITLE NMA-469 CME-261	SHEET NO. 1
	DESIGNED	SCALE		
JRC Japan Radio Co. Ltd.			DRAWING NO.	
NMA-469 CME-261			MODULATOR CCT	
E D O 2 -			NMA-469 CME-261	





NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE IN OHMS, 1/10W RATING
ALL CAPACITORS ARE IN FARADS, 50V RATING

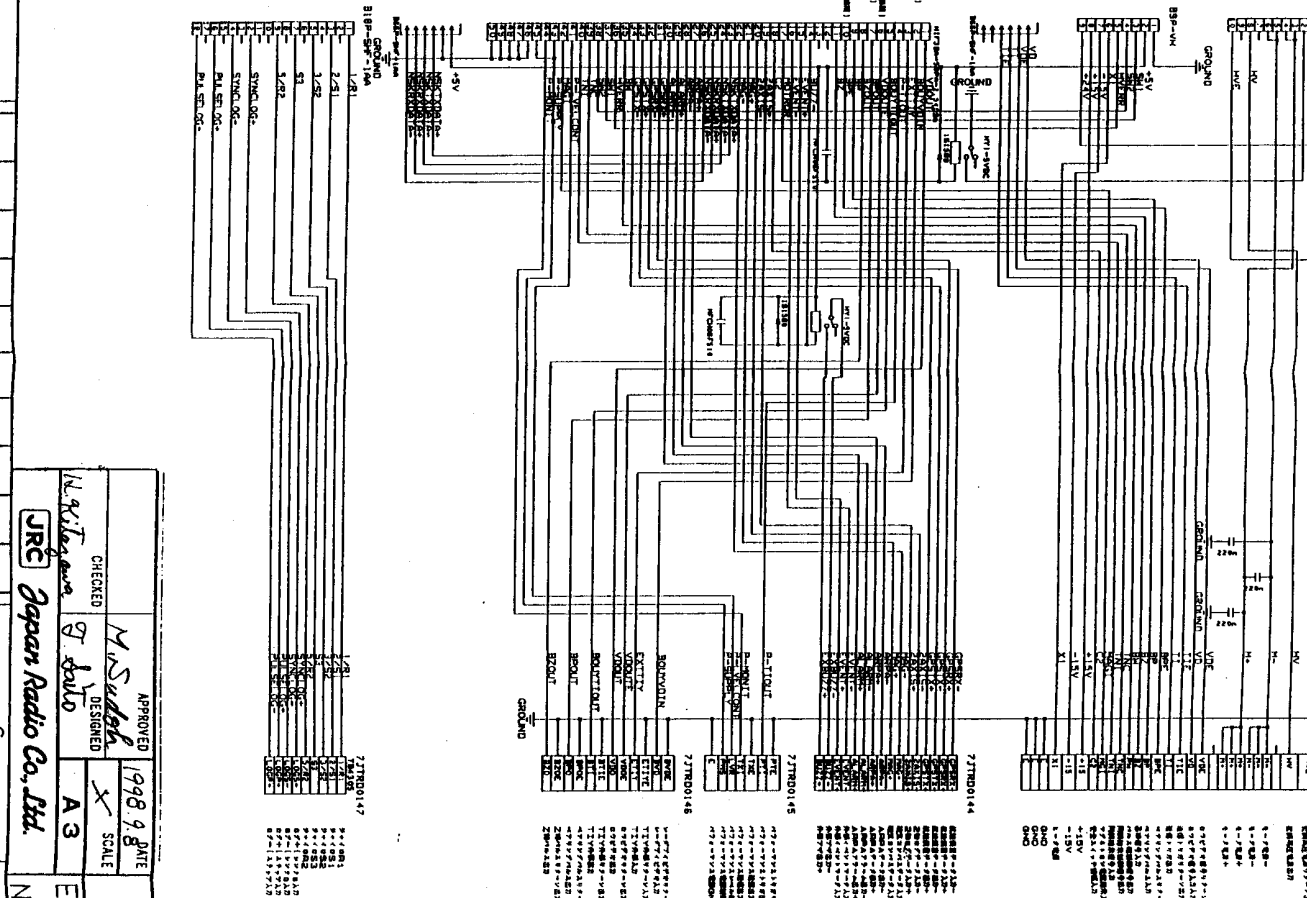
7PC01343E CAE-344-2 PC301

CHECKED <i>H. S. Sudo</i>		APPROVED <i>H. S. Sudo</i>		DATE	CAD-344-2	SHEET NO.
DESIGNED <i>H. S. Sudo</i>		SCALE		A3	IF AMP COT	TITLE
JRC Japan Radio Co. Ltd.		ED 02		N:K:E-1105:6-13:011	DRAWING NO.	



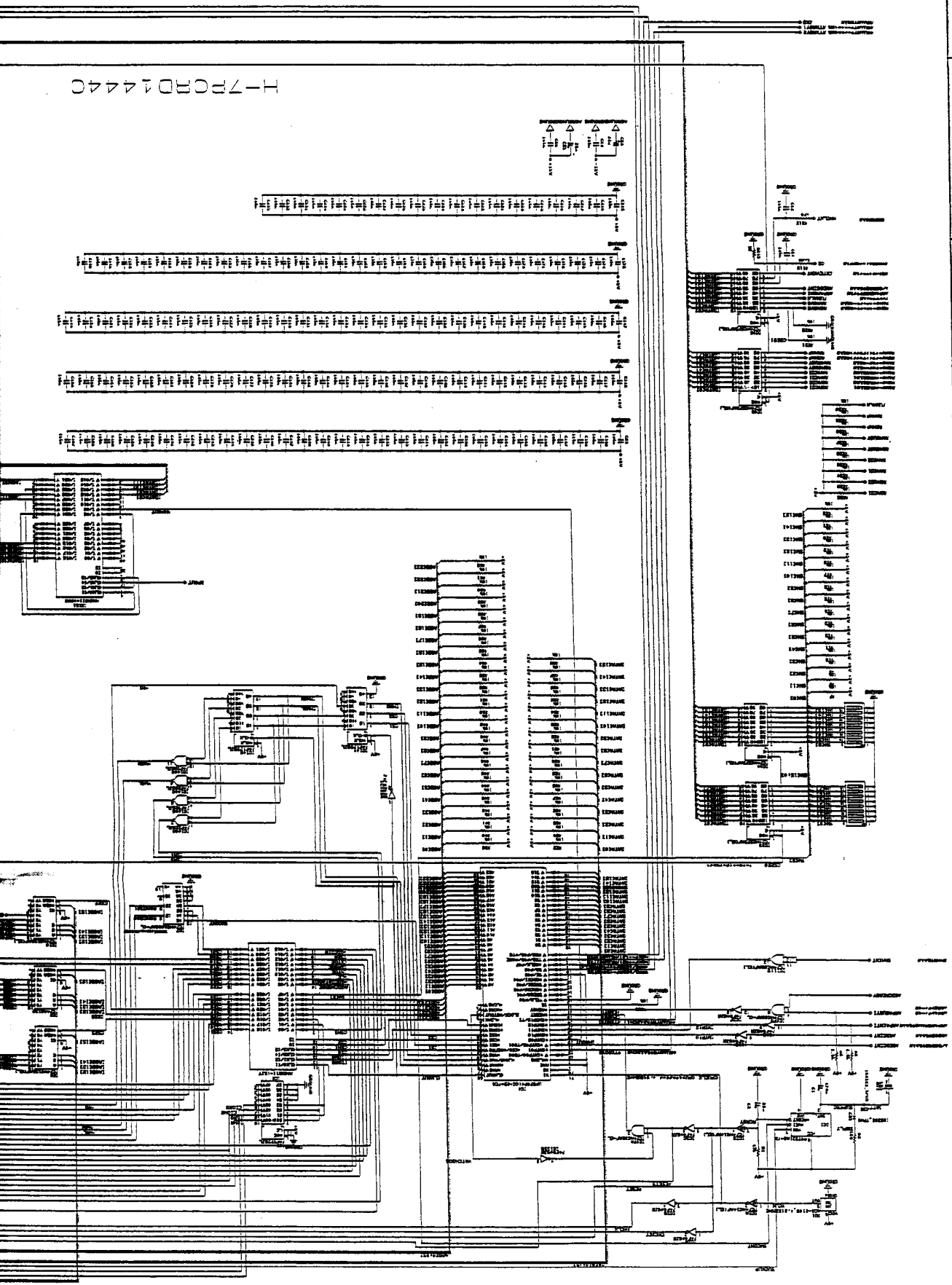
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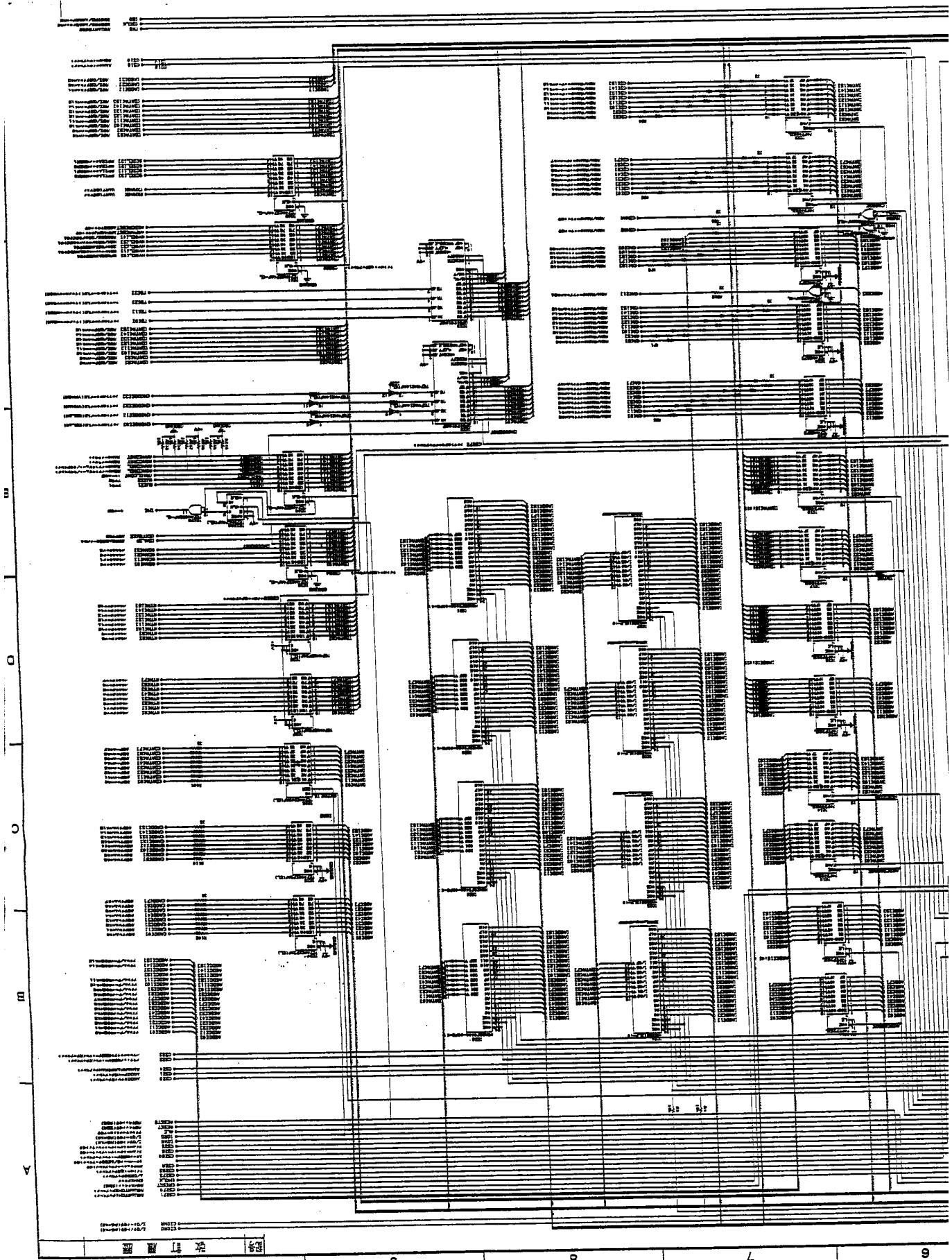
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|------------|--|---------------------------|--|-------------------|--|
| CHECKED | | APPROVED | | DATE | |
| M. S. Sudo | | M. S. Sudo | | 1998.9.8 | |
| DESIGNED | | SCALE | | TITLE | |
| A3 | | X | | NCD-3780 CQD-1546 | |
| JRC | | Japan Radio Co., Ltd. | | SHEET NO. | |
| E D O 3 - | | N C D - 3 7 8 0 - 1 5 4 6 | | DRAWING NO. | |
| 7 | | 8 | | 9 | |

15 INCHES COLOR RAI



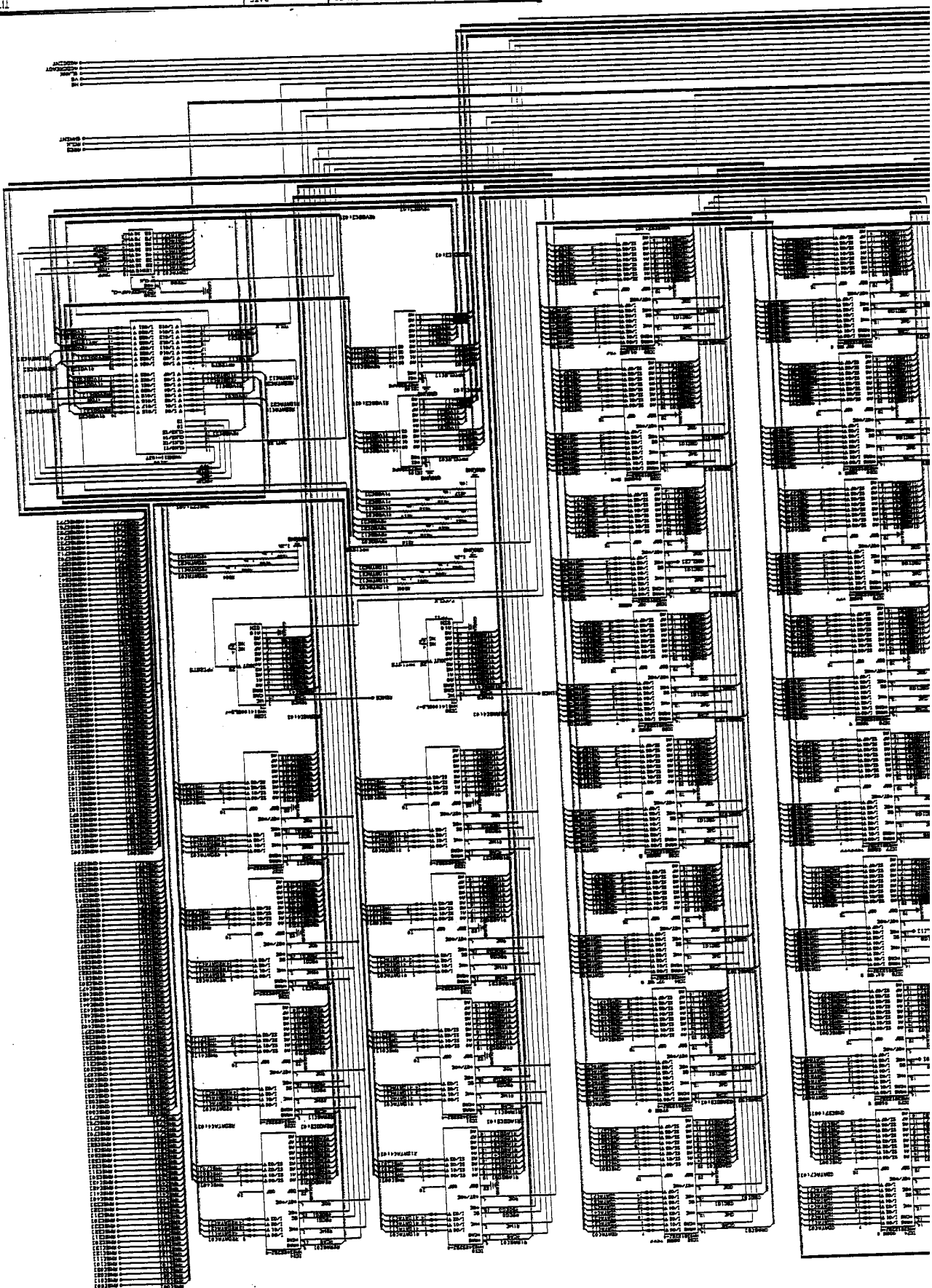
PU CONTROL CIRCUIT PC4401:1/4

| | | | |
|---------------------------|--------------------|--------------------------|-------------|
| JRC Japan Radio Co., Ltd. | | NCD-3780 CPU CONTROL CCT | |
| DESIGNED
H. Suda | CHECKED
H. Kato | DATE
1989.8.9 | SCALE
A2 |
| APPROVED | | TITLE | |
| DRAWING NO. | | SHEET NO. | |



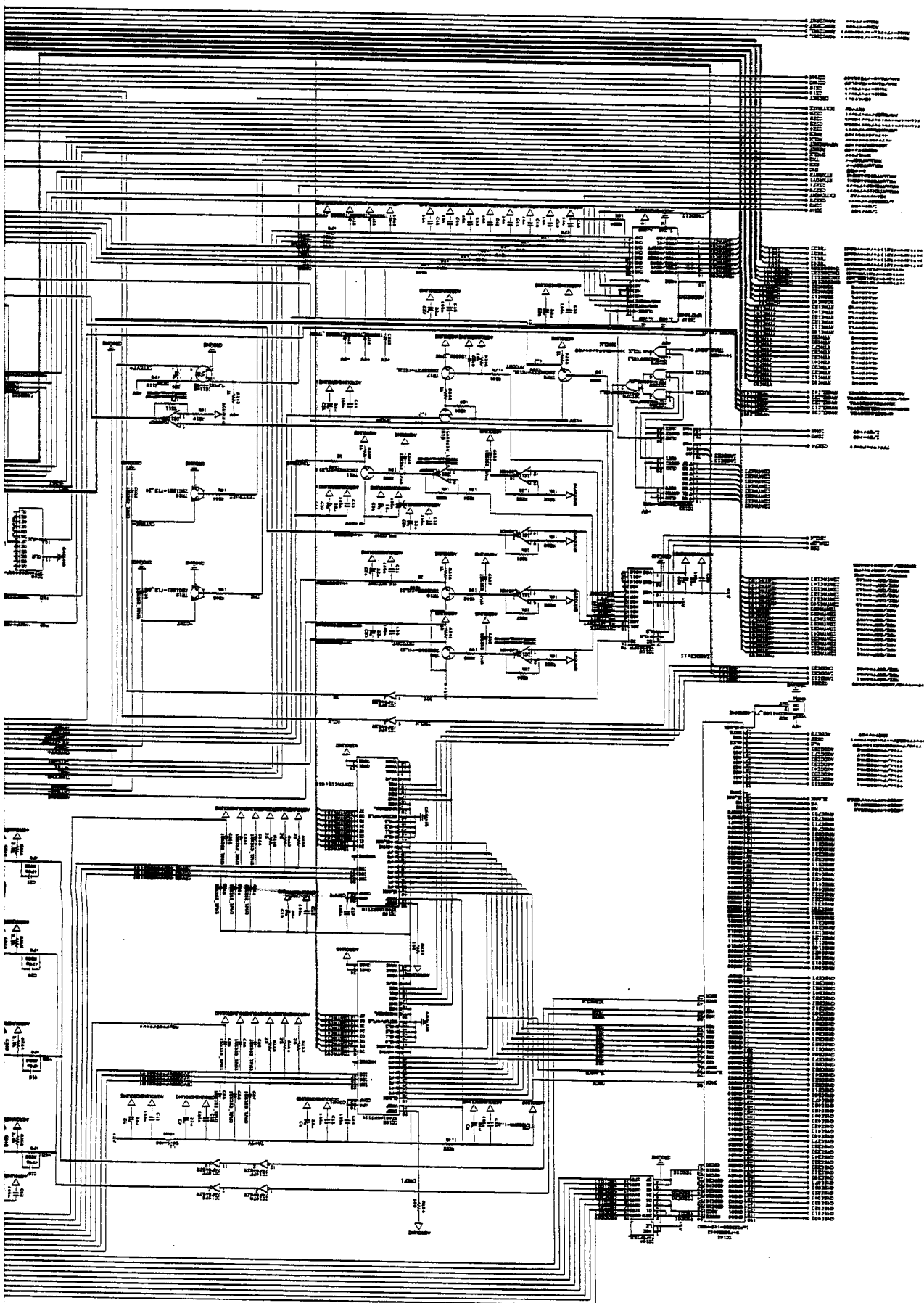
CUIT PC4401:2/4

| | | | |
|---------------------------|----------|---------------------|-------|
| JRC Japan Radio Co., Ltd. | | N.C.D. - 3780 - 440 | |
| APPROVED | DATE | DESIGNED | SCALE |
| M. Suda | 1988.9.9 | A. Suda | X |
| CHECKED | | N.C.D. - 3780 - 440 | |
| TITLE | | SHEET | |
| NCD-3780 CPU CONTROL COT | | 2 | |



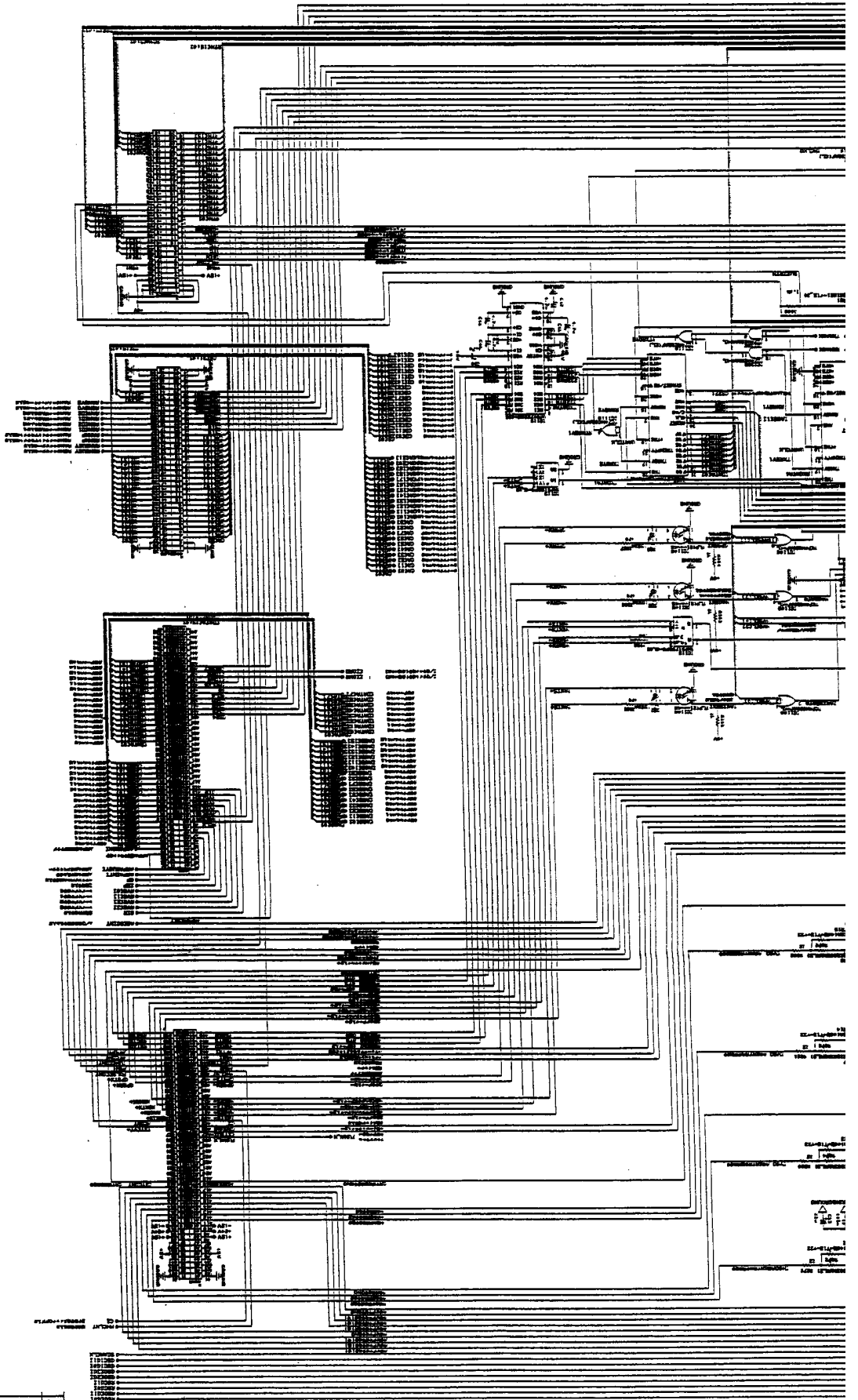
図号 改訂履歴

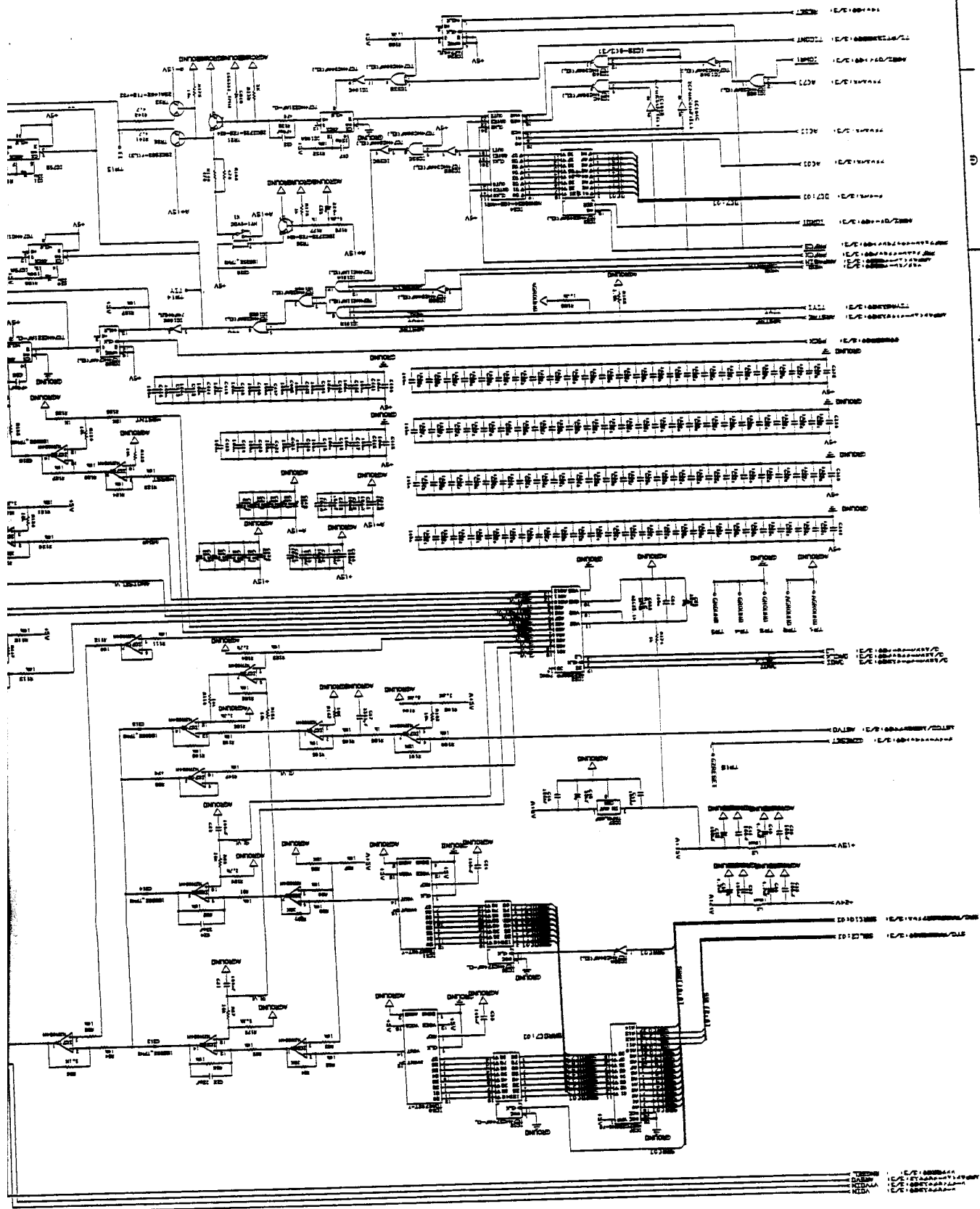
15 INCHES COLOR RADAR CPU CONTROL CIRCUIT



| | | | | | | | |
|---------------------------|--|----------------------|--|----------------|--|-----------------------------------|--|
| JRC Japan Radio Co., Ltd. | | A2 | | E D 0 3 - | | N C D - 3 7 8 0 - 4 4 0 1 | |
| CHECKED
H. Saito | | DESIGNED
S. Saito | | SCALE
X | | TITLE
NCD-3780 CPU CONTROL CCT | |
| APPROVED
1998.9.8 | | DATE | | SHEET NO.
3 | | DRAWING NO.
4 | |

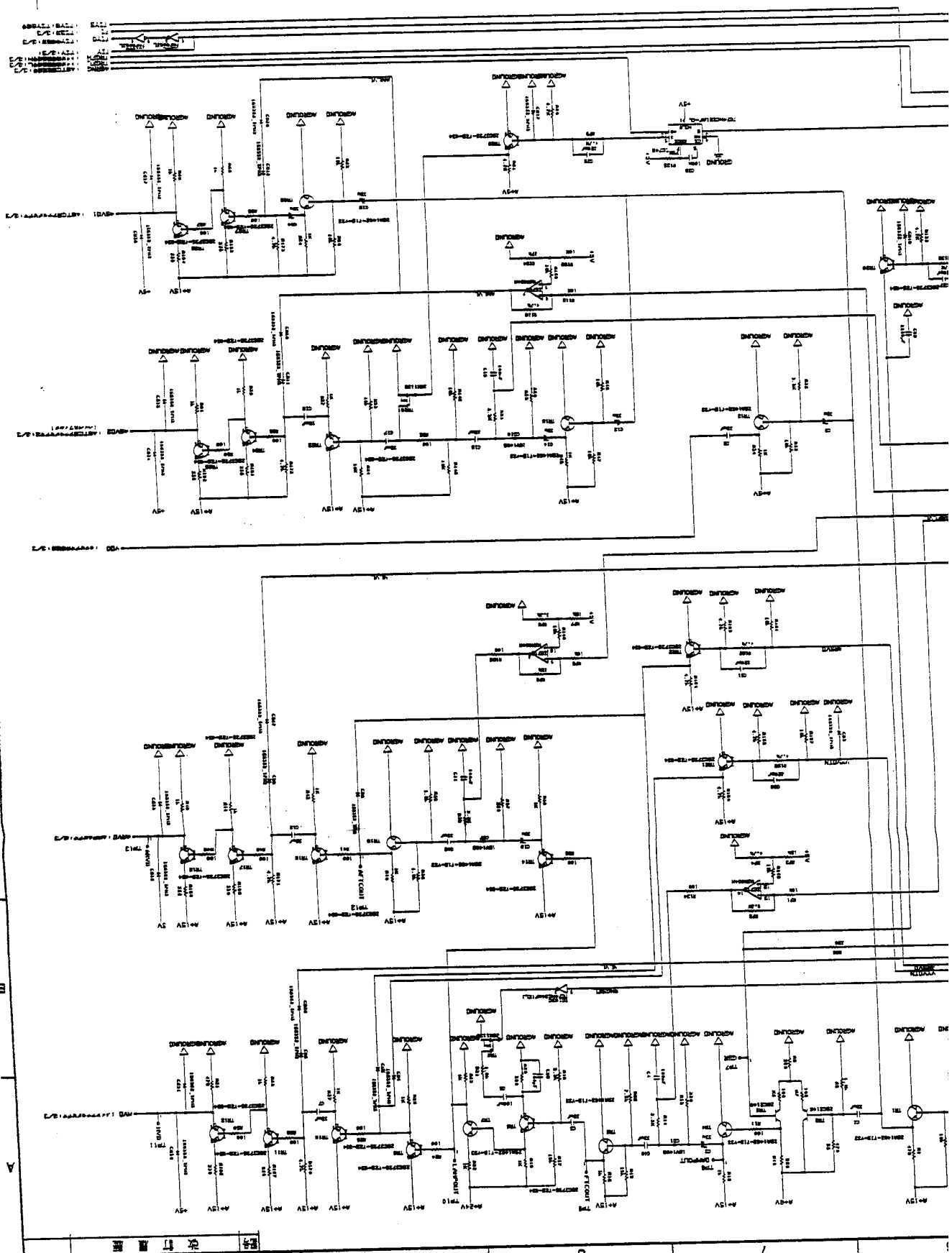
101:3/4 H-7PCRD1444C

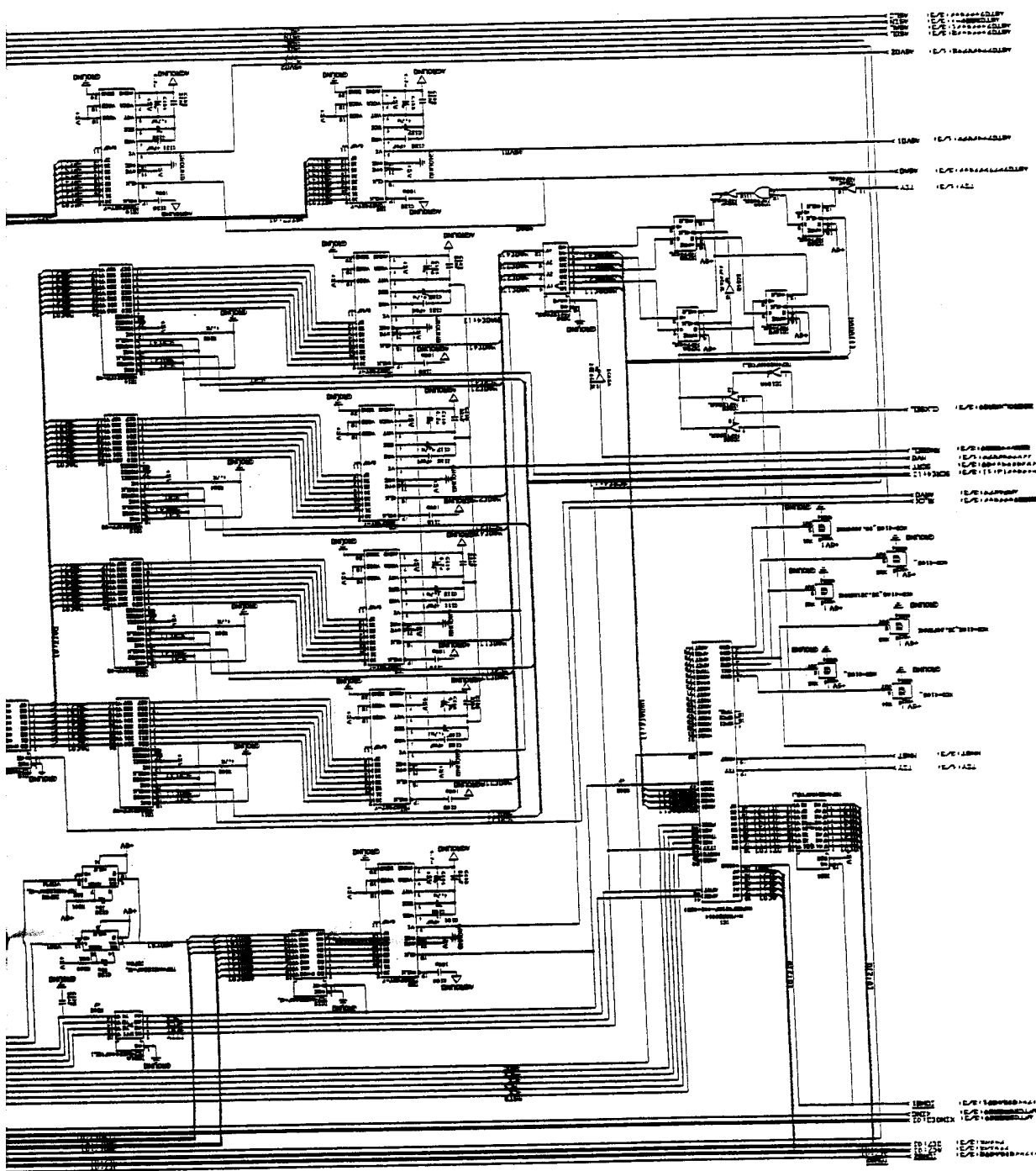




| | | | |
|-----------------------|--|----------------------------|-----------------------------|
| DRAWING NO. E D 0 3 - | | JRC Japan Radio Co., Ltd. | |
| SHEET NO. 3 | | DESIGNED BY <i>M. Suda</i> | CHECKED BY <i>N. Tanaka</i> |
| TITLE NCD-3780 CED-42 | | DATE 1982.16 | SCALE X |

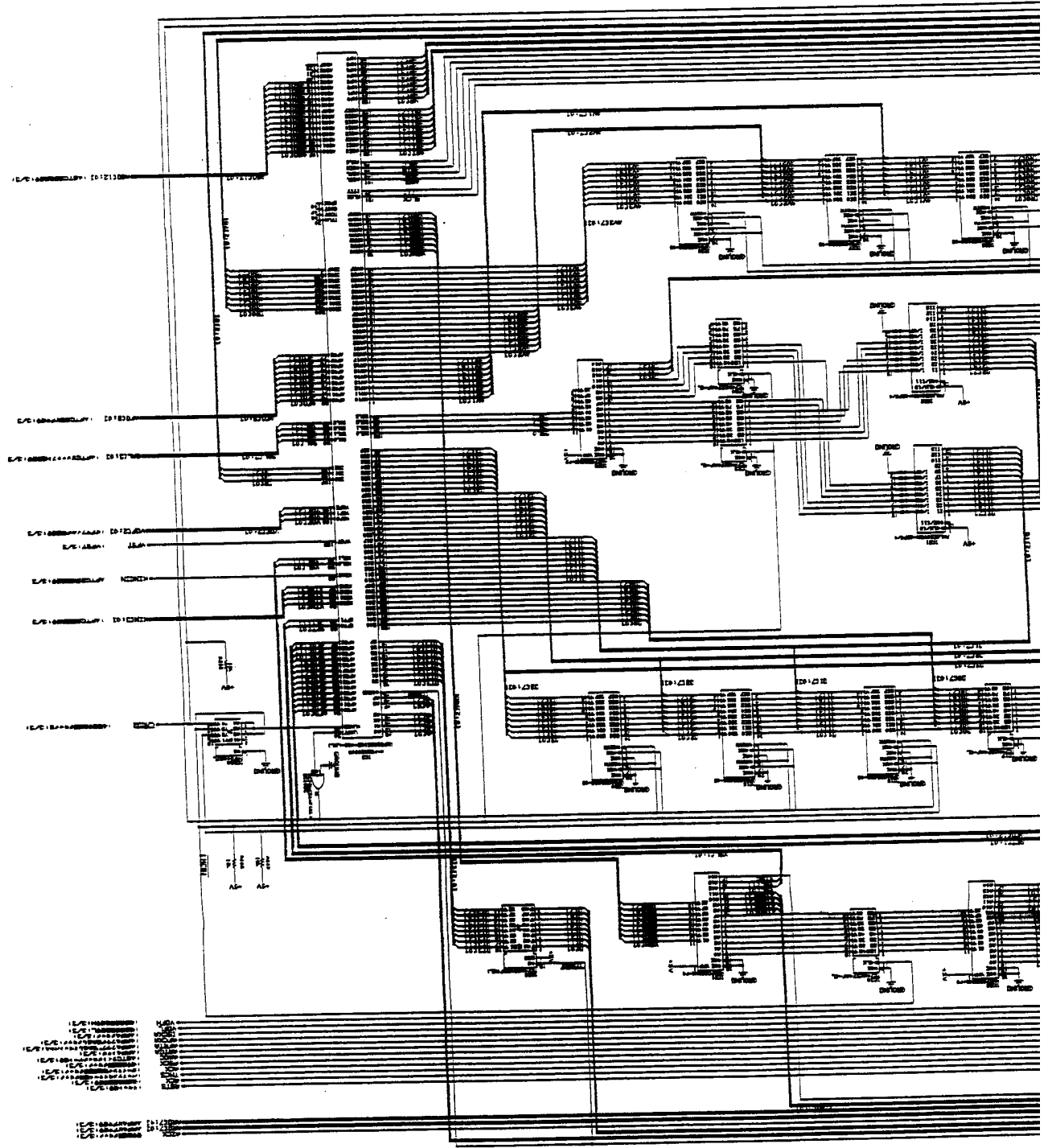
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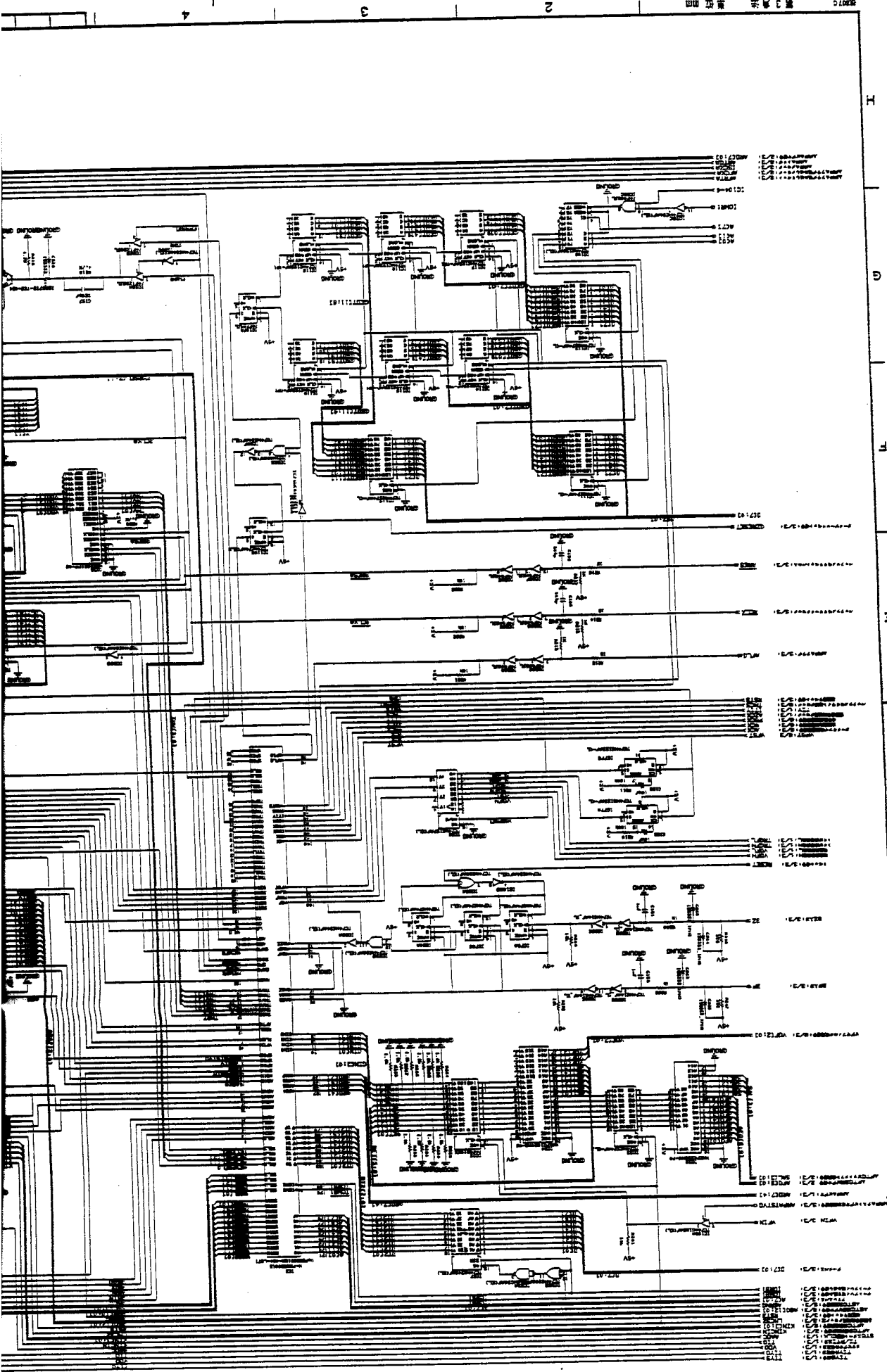




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|--------------------------|--|---------------|--|---------------------------|--|
| JRC Japan Radio Co. Ltd. | | E D 0 3 - | | N C D - 3 7 8 0 - 4 4 0 2 | |
| A 2 | | TIME BASE COT | | DRAWING NO. | |
| CHECKED | | SCALE | | SHEET NO. | |
| DESIGNED | | DATE | | TITLE | |
| M. Saito | | 1998.2.16 | | NCD-3780 CED-42 | |
| APPROVED | | | | 2/3 | |

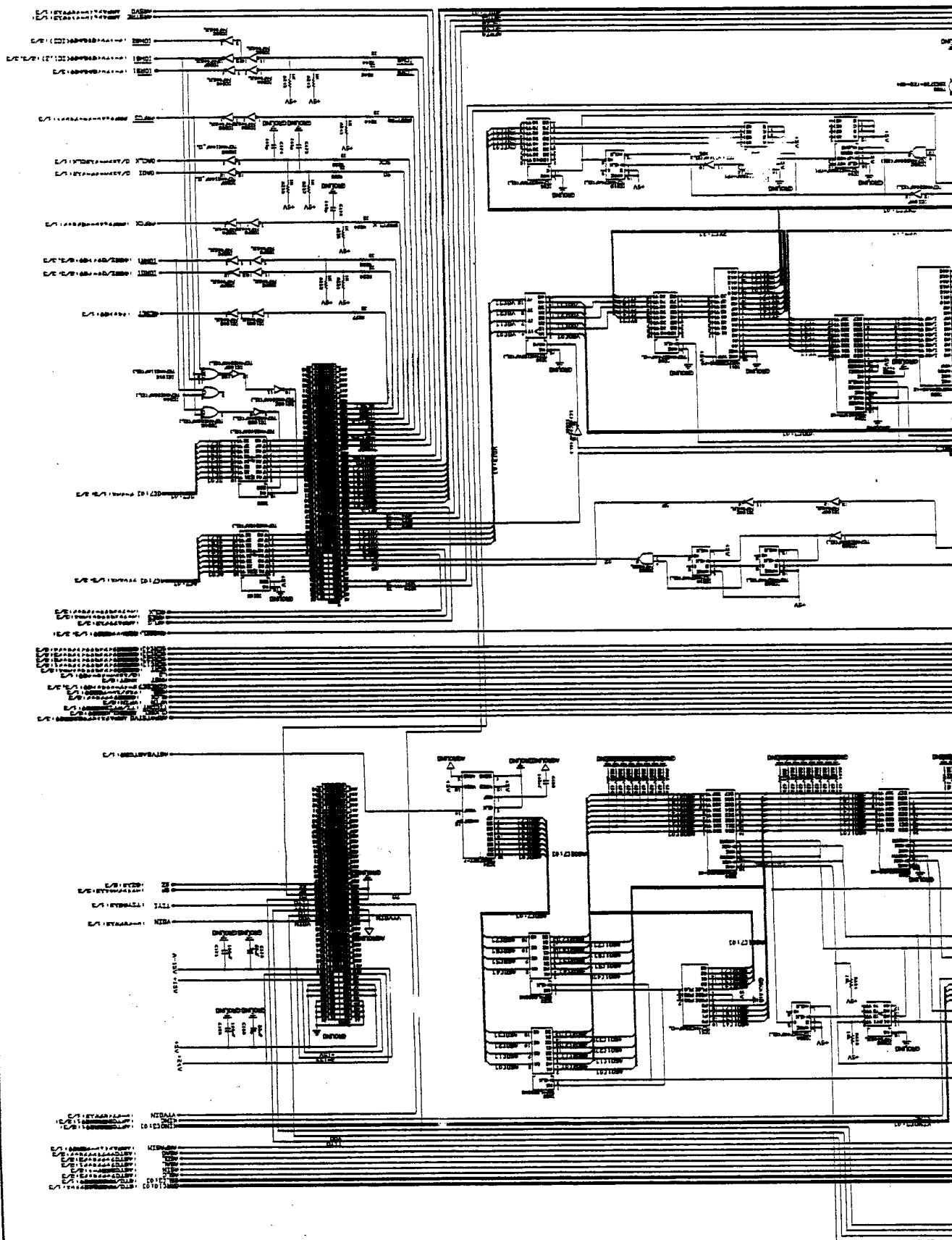
7PCRD1445C PC4402 CED-42

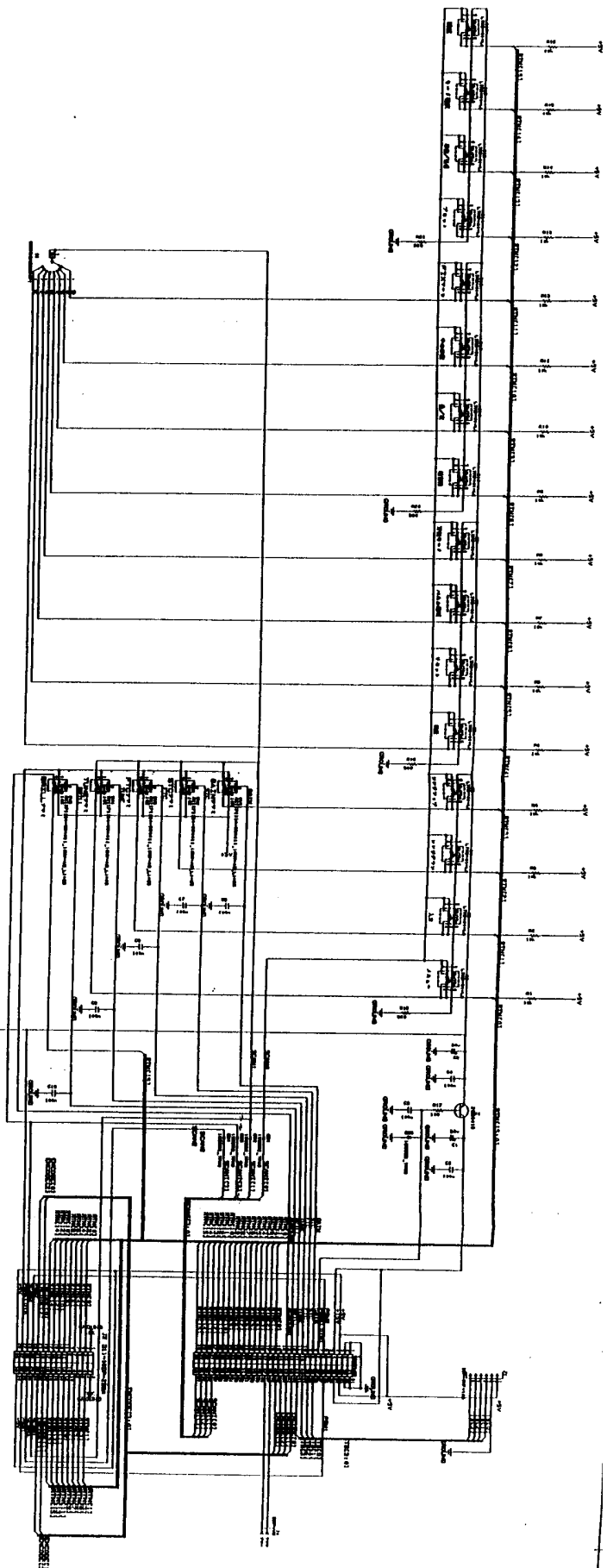




| | | | | | |
|---------------------------|--|---------------|--|-----------------|--|
| JRC Japan Radio Co., Ltd. | | E D 0 3 - | | NCD-3780 CED-42 | |
| A 2 | | TIME BASE CCT | | TITLE | |
| 1998.2.16 | | SCALE | | SHEET NO. 3 | |
| APPROVED | | DESIGNED | | DRAWING NO. | |
| M. S. S. S. | | Q. S. S. S. | | 3 | |

H-7PCBD1445C PC4402 CED-42





15 INCHES COLOR RADAR MAIN CONTROL CIRCUIT PC4501
 CCK-787 H-7PCRD1447A/B

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
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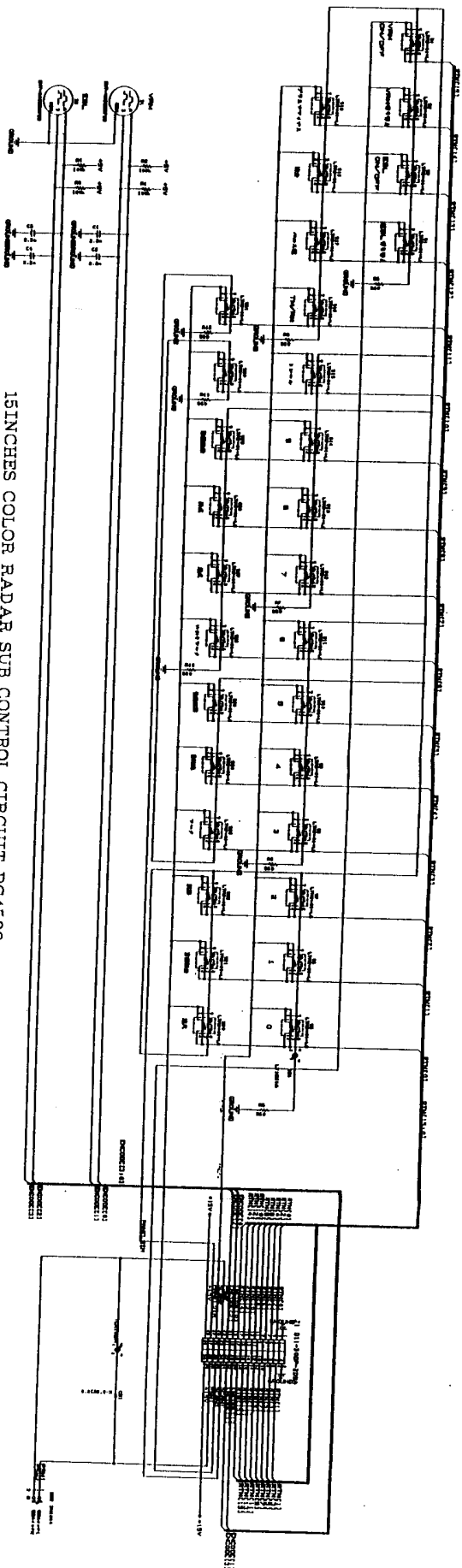
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|---------------------------|--|----------|--|------------------|--|------------------------|--|
| APPROVED | | DATE | | TITLE | | SHEET NO. | |
| M. S. Smith | | 1998.1.4 | | NCD-3780 CCK-787 | | 1 | |
| CHECKED | | SCALE | | PANEL CCT1 | | DRAWING NO. | |
| T. J. Smith | | A3 | | ED 01 - | | N.C.D. - 3780.0 - 4501 | |
| JRC Japan Radio Co., Ltd. | | | | | | | |

15 INCHES COLOR RADAR MAIN CONTROL CIRCUIT PC4501

3

7

8



15 INCHES COLOR RADAR SUB CONTROL CIRCUIT PC4502
 CCK-789 H-7PCRD1448A/B

| | | | | | | | | | |
|-------------|--|-----------------------|--|----------|--|------------------|--|-------------|--|
| CHECKED | | APPROVED | | DATE | | TITLE | | SHEET NO. | |
| M. S. S. S. | | M. S. S. S. | | 1998.1.6 | | NCD-3780 CCK-789 | | 1 | |
| DESIGNED | | SCALE | | A 3 | | PANEL COT2 | | DRAWING NO. | |
| JRC | | Japan Radio Co., Ltd. | | ED 01 - | | N.C.D.-3780-4502 | | | |

第3頁 共2頁

3

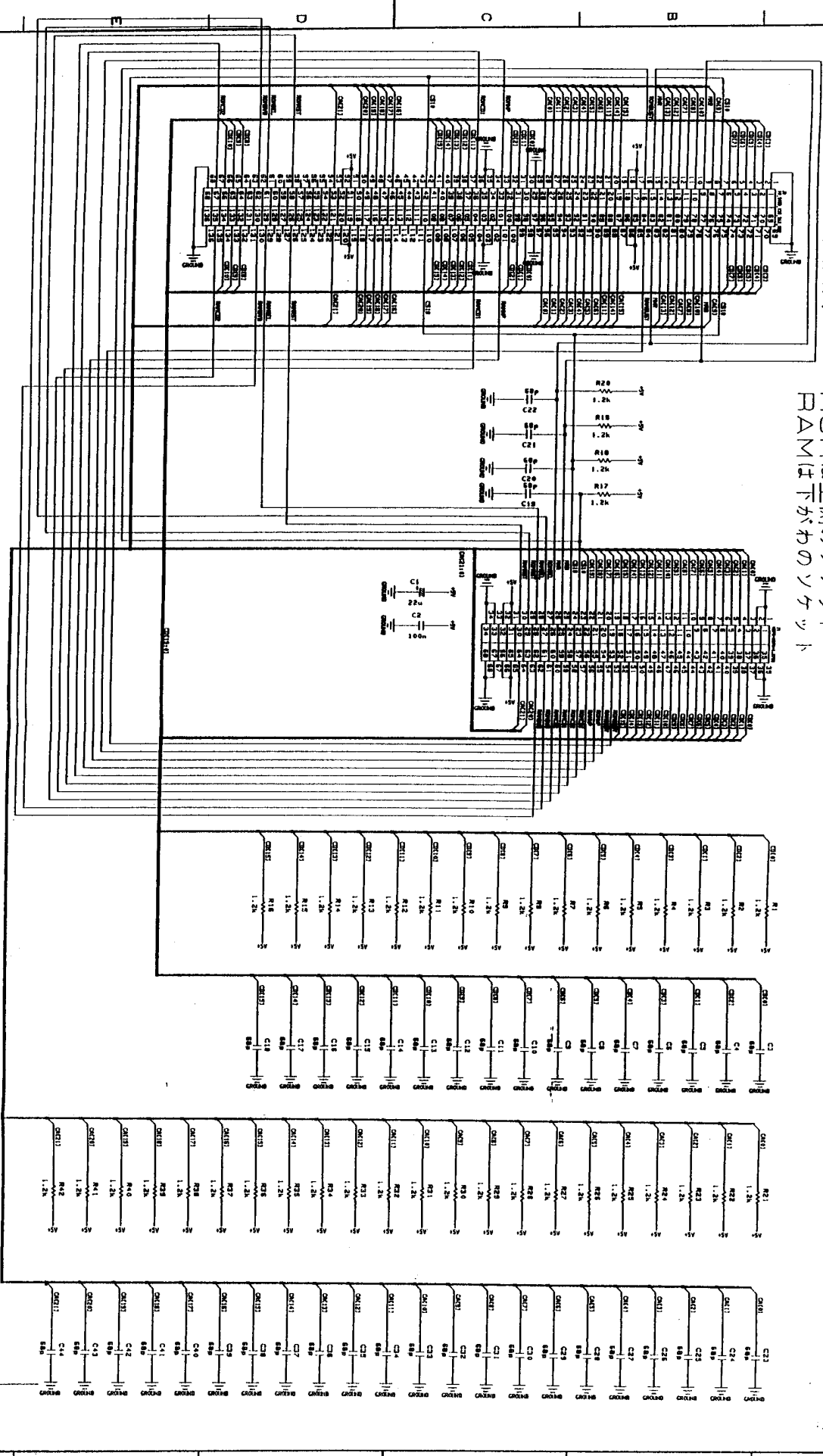
5

7

8

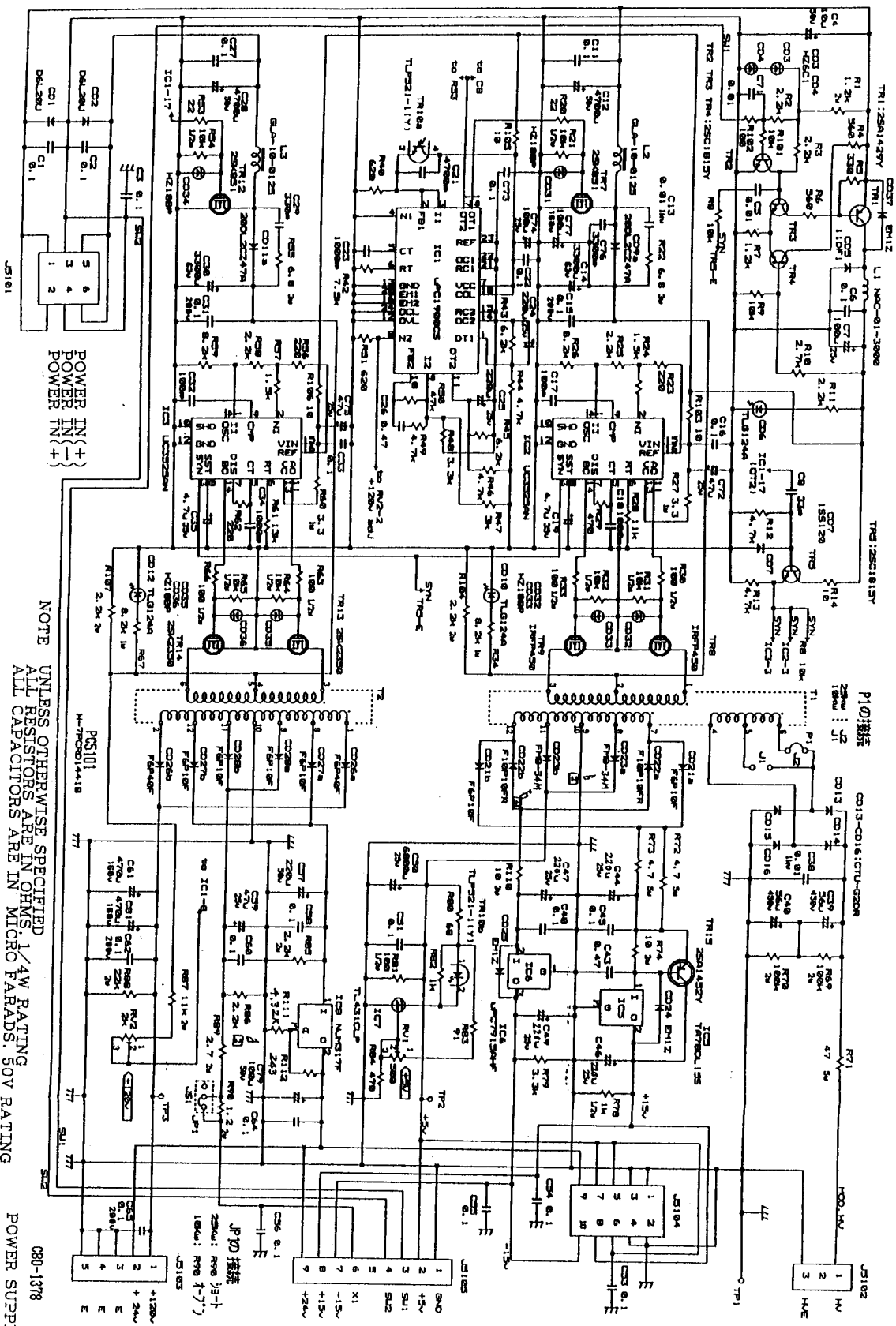
ROM側 RAM側

ROMは上側のソケット
RAMは下側のソケット



15 INCHES COLOR RADAR PANEL CIRCUIT3 PC4503
CCK-790 H-7PCRD1449C

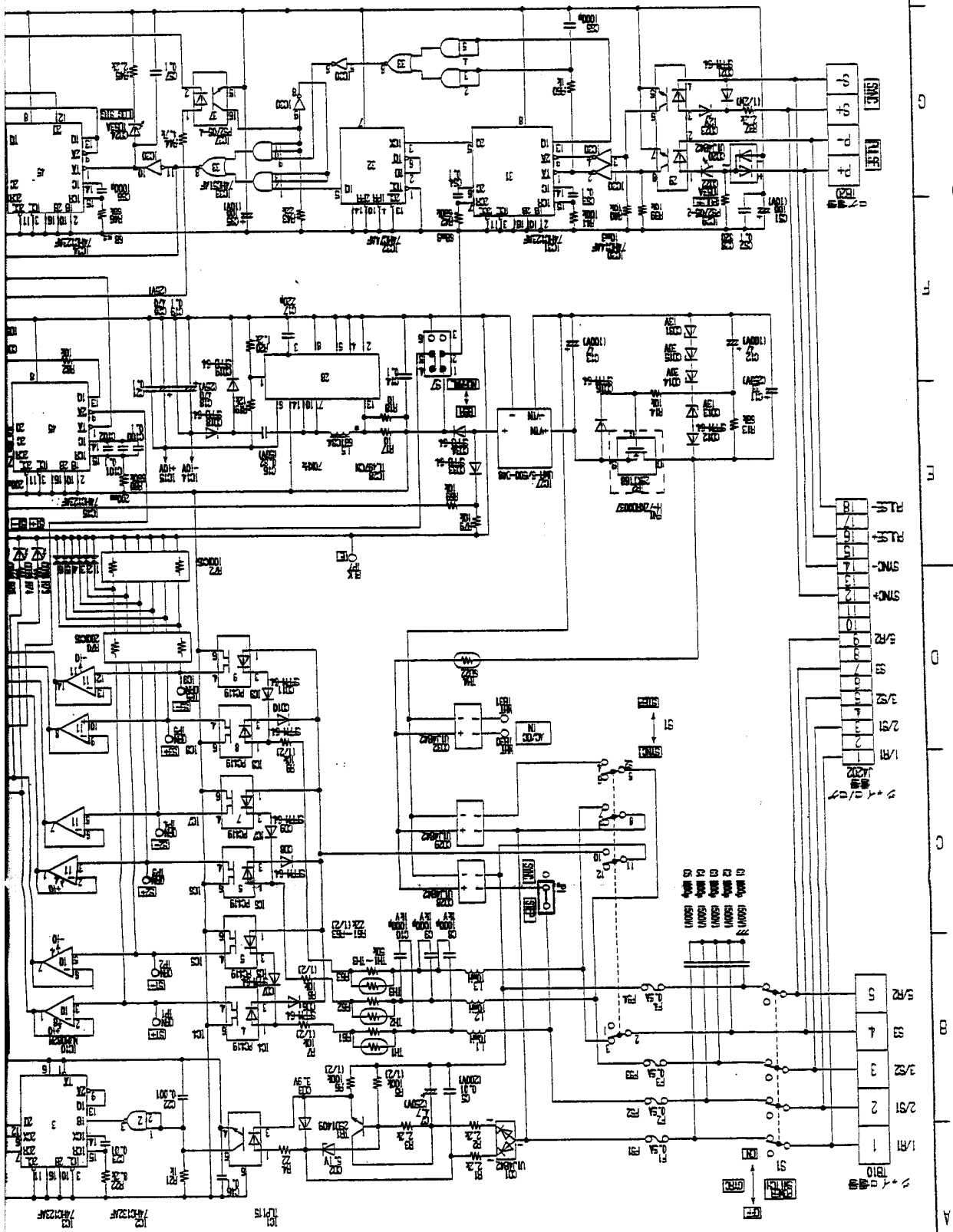
| | | | | | | | | | |
|-----------------|--|-----------------------|--|--------------|--|------------------|--|-------------|--|
| CHECKED | | DESIGNED | | DATE | | TITLE | | SHEET NO. | |
| M. Nishida | | A. S. | | 7/12/79 | | NCD-3780 CCK-790 | | 1/1 | |
| JRC | | Japan Radio Co., Ltd. | | E D O 3 - | | PANEL CCT3 | | DRAWING NO. | |
| N. C. D. - 3780 | | CCK-790 | | H-7PCRD1449C | | | | | |

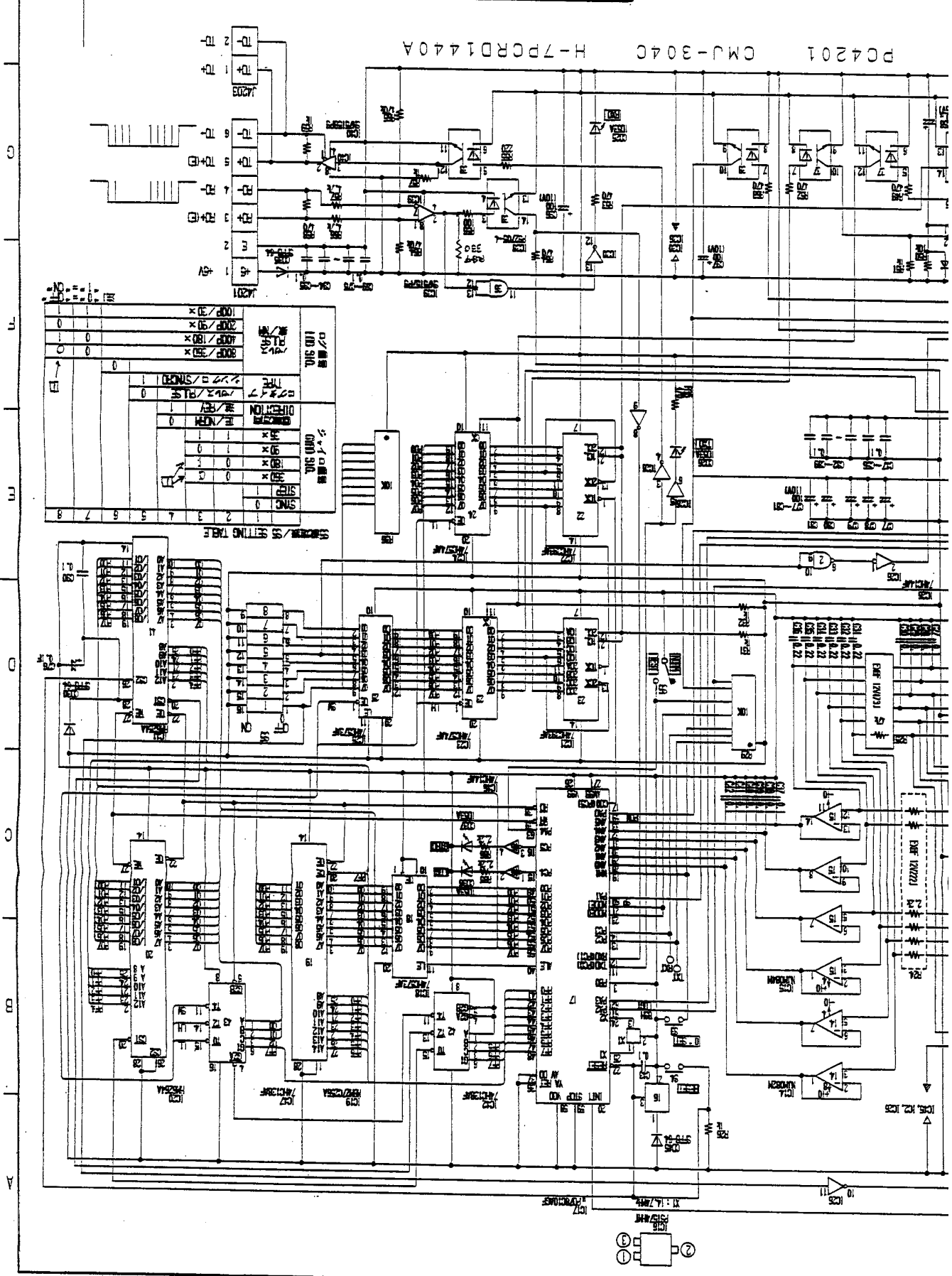


NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS ARE IN OHMS, 1/4W RATING
ALL CAPACITORS ARE IN MICRO FARADS, 50V RATING

| | | | |
|---------------------------|-------|-------------------|-----------|
| APPROVED | DATE | TITLE | SHEET NO. |
| <i>M. Suda</i> | : | NCD-3780 CBD-1378 | 1 |
| CHECKED | SCALE | POWER SUPPLY CCT | |
| <i>M. Suda</i> | A 3 | ED 02 - | |
| DRAWING NO. | | | |
| JRC Japan Radio Co., Ltd. | | | |

NOTE
UNLESS OTHERWISE
ALL RESISTORS A
ALL CAPACITORS A





1

2

3

4

E号

改訂履歴

A

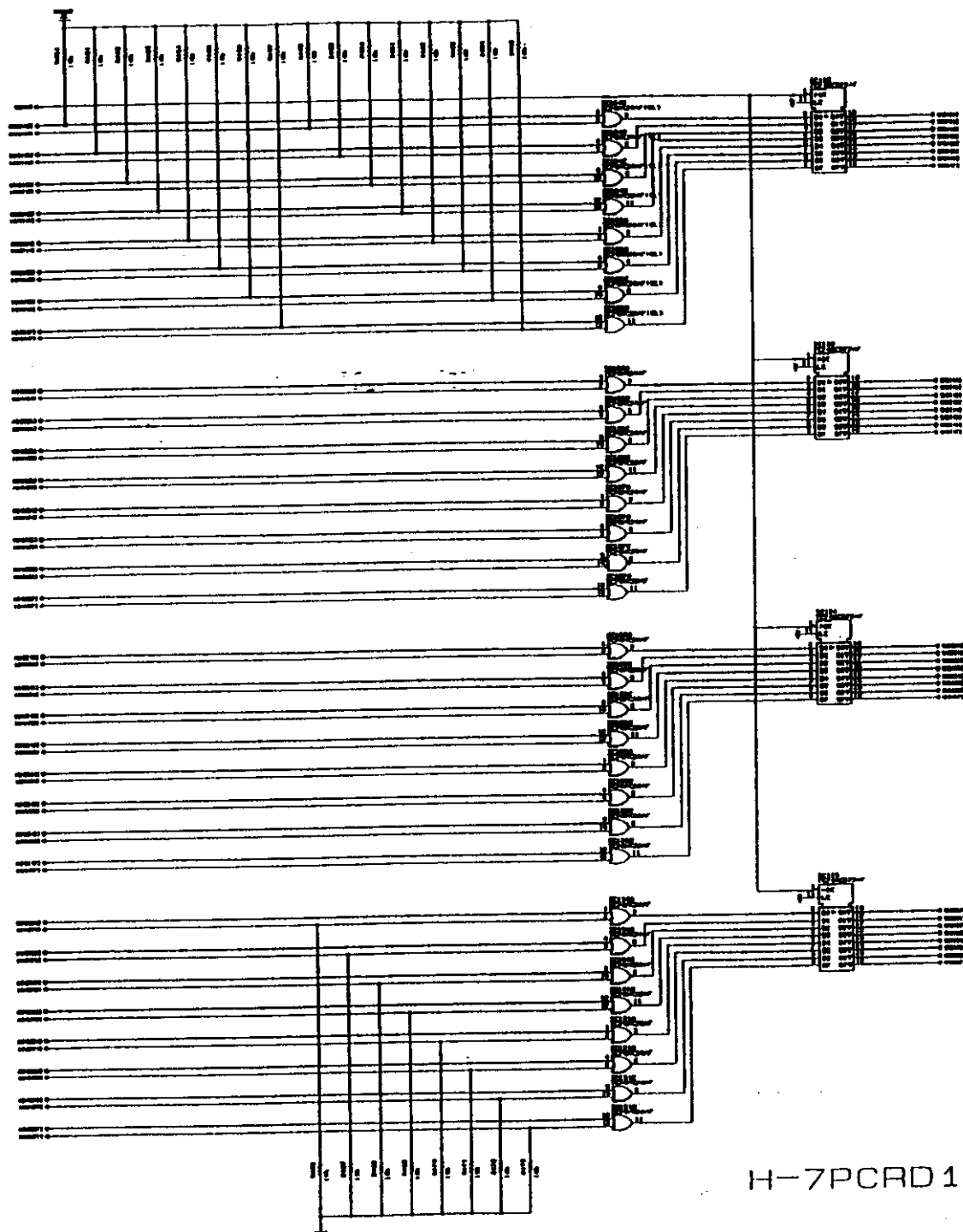
B

C

D

E

F



H-7PCRD1444C

15INCHES COLOR RADAR CPU CONTROL CIRCUIT PC4401;4/4

APPROVED

1978.9.8 DATE

TITLE

SHEET NO.

M. Sudo
DESIGNED

X SCALE

NCD-3780

CMC-1012 CPU CONTROL CCT

4/4

CHECKED

T. Saito

A 4

E D O 3 -

DRAWING NO.

H. Kitayama

A

B

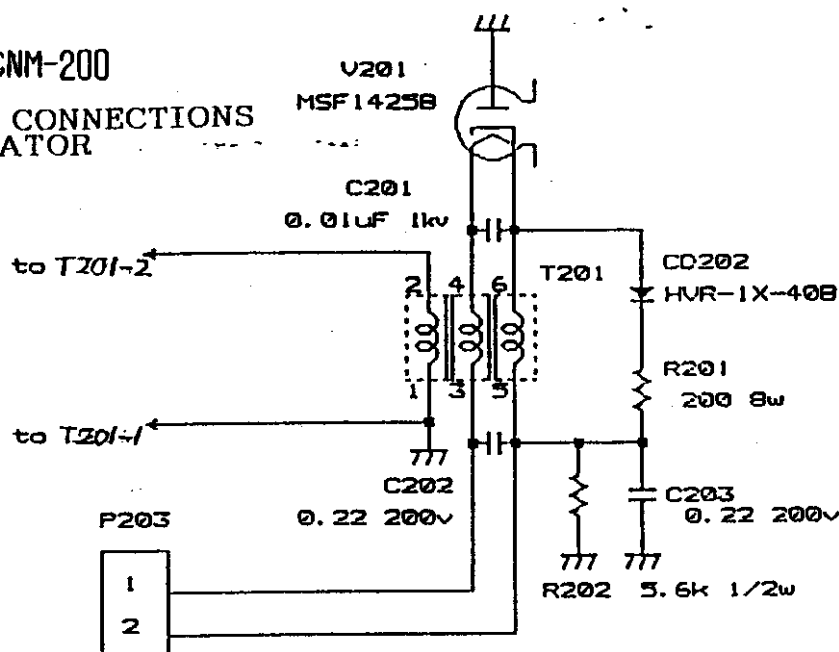
C

D

E

F

CNM-200 INTERNAL CONNECTIONS OF MODULATOR



APPROVED

DATE

TITLE

SHEET NO.

M. Sudo

SCALE

INTERNAL CONNECTIONS OF
MODULATOR :NKE-1055

CHECKED

DESIGNED

A 4

E D 0 0 -

DRAWING NO.

H. Kitazawa

H. Morita

1 2 3 4

A

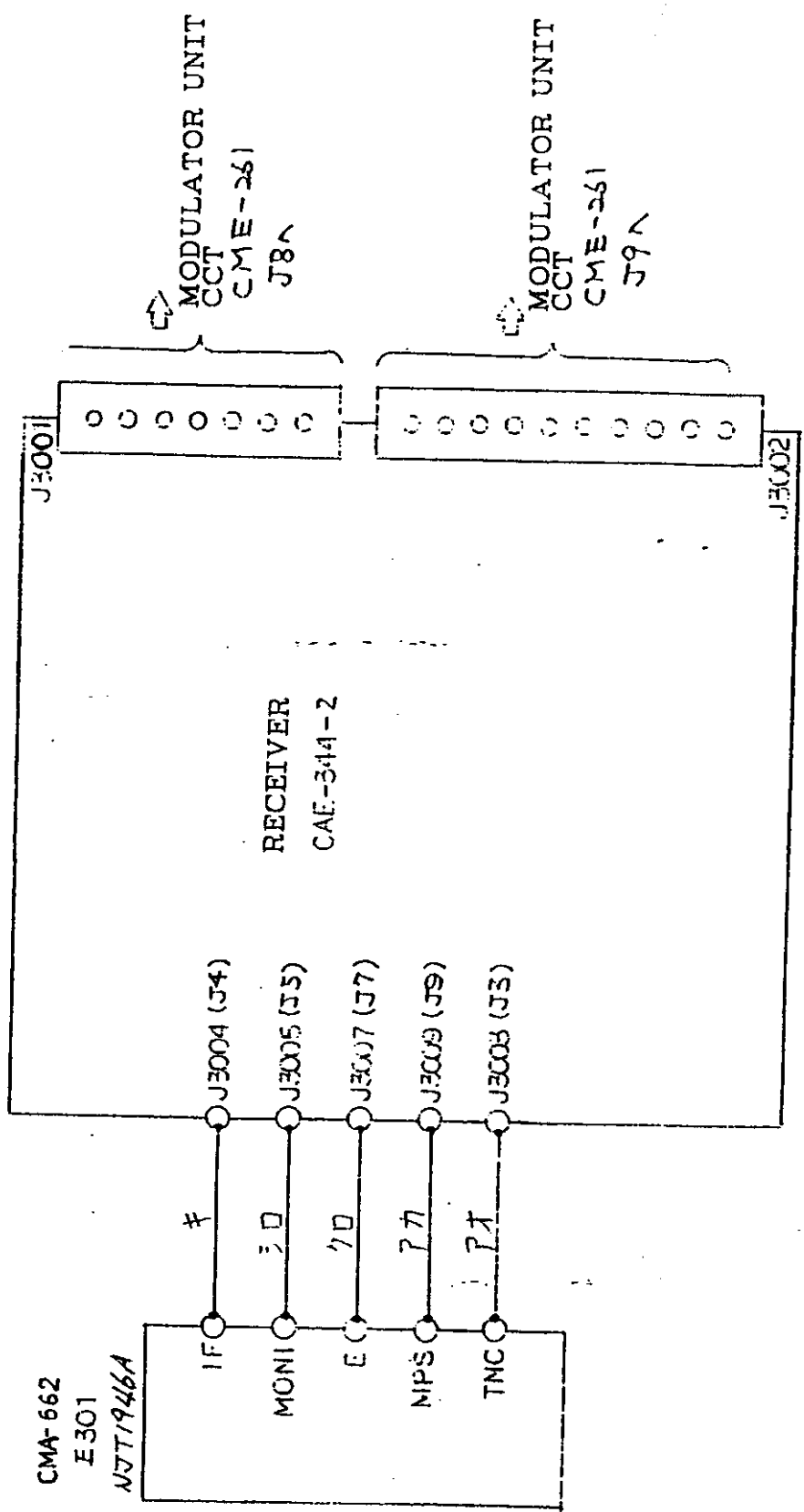
B

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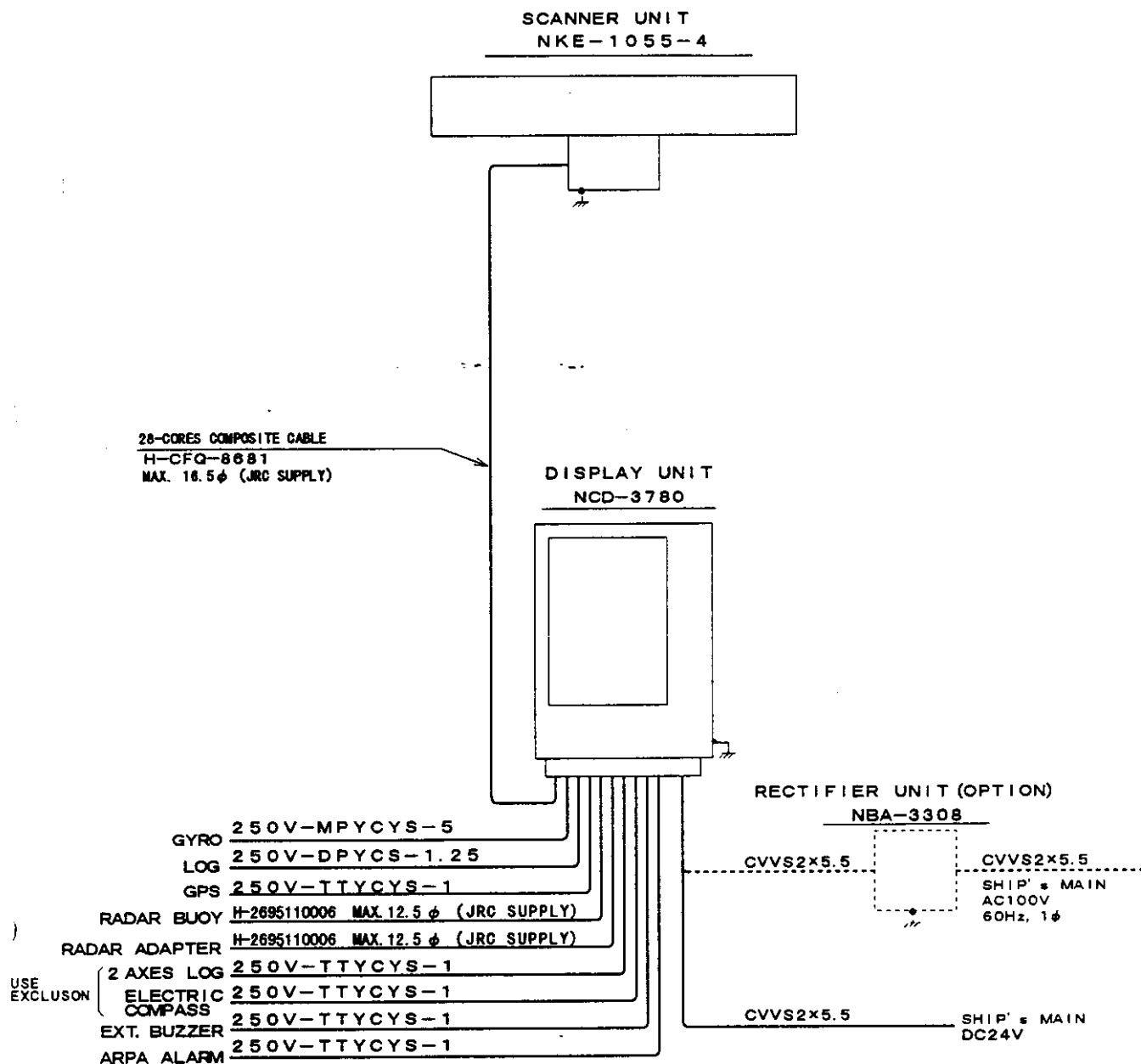
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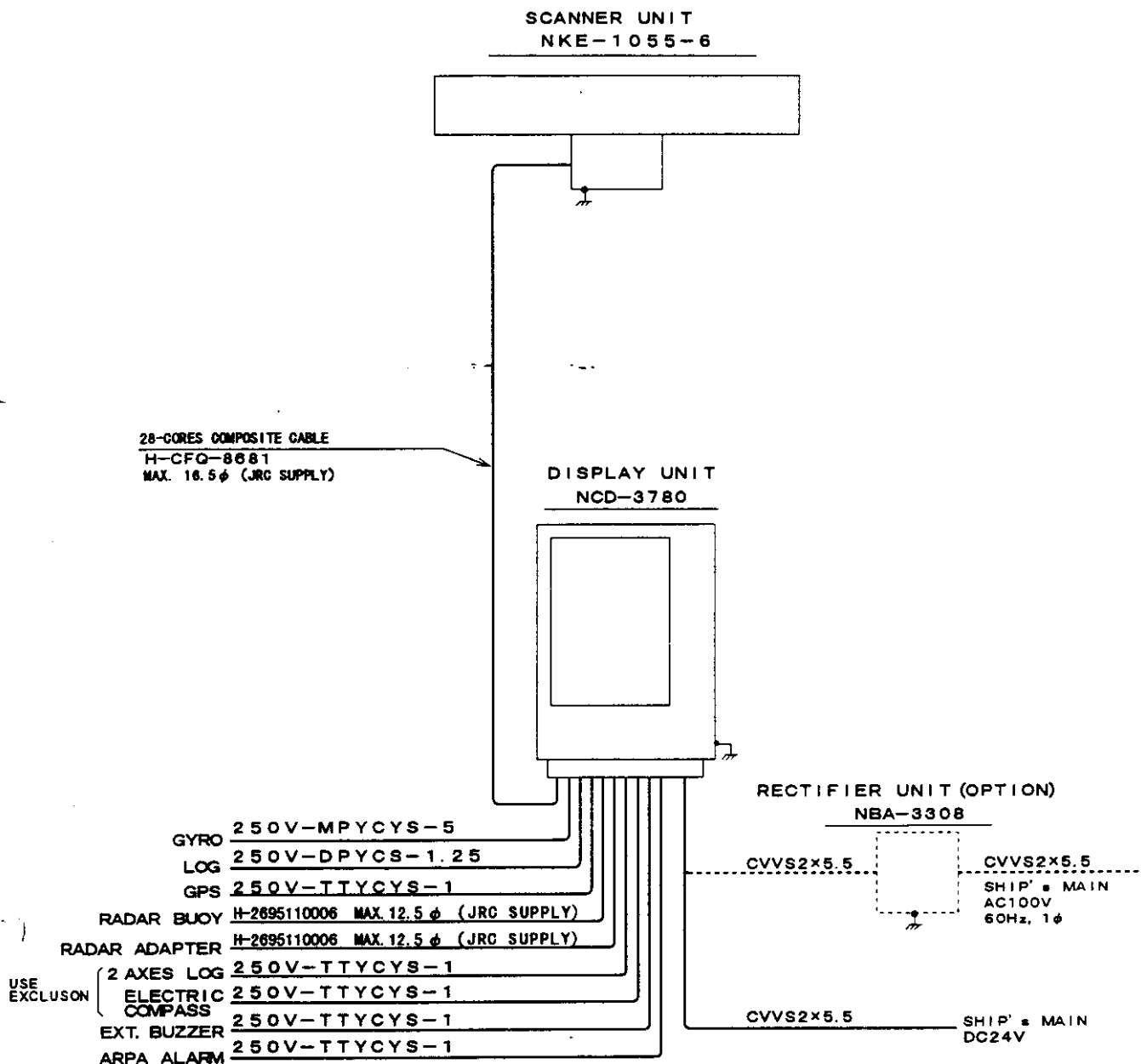
NOTE COLOR NOMINATION CABLE IS 250V-HV-12/0.18

| | | | | |
|-------------------------------|--|--------------------------|---|------------------|
| CHECKED
<i>H. Kitarawa</i> | APPROVED
<i>M. Sudo</i>
DESIGNED
<i>H. Morita</i> | DATE

SCALE
A 4 | TITLE
INTERNAL CONNECTIONS OF
RECEIVER :NRG-210 | SHEET NO.
1/1 |
| DRAWING NO.
E D 0 0 - | | | | |



NOTES: ELIMINATING THE INTERFERENCE ON FREQUENCIES USED FOR MARINE COMMUNICATIONS AND NAVIGATION DUE TO OPERATION OF THE RADAR.
ALL CABLES OF THE RADAR ARE TO BE RUN AWAY FROM THE CABLES OF RADIO EQUIPMENT.
(EX. RADIOTELEPHONE, COMMUNICATIONS RECEIVER AND DIRECTION FINDER, ETC.).
ESPECIALLY INTER-WIRING CABLES BETWEEN SCANNER UNIT AND DISPLAY UNIT OF THE RADAR SHOULD NOT BE RUN PARALLEL WITH THE CABLES OF RADIO EQUIPMENT.



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