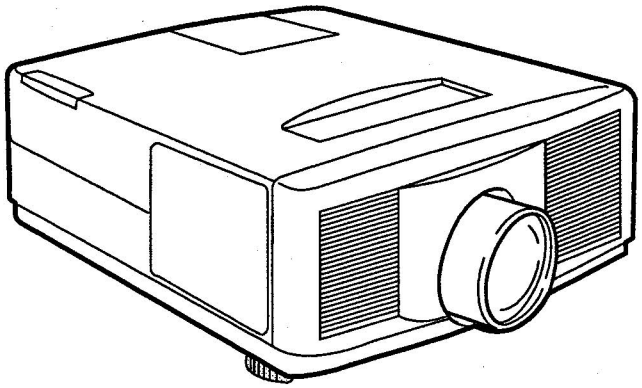
1997

MITSUBISHI

Service Manual

LCD PROJECTOR
LC5 CHASSIS



MODEL
LVP-X100E

ENGLISH
FRANÇAIS
DEUTSCH
ITALIANO
ESPAÑOL
NEDERLANDS

CAUTION
Before servicing this chassis, it is important that the service person reads the "SAFETY PRECAUTIONS" in this service manual.

PRECAUTION
Avant un entretien/dépannage de ce châssis, il est important que la personne en charge lise les "MESURES DE SECURITE" dans ce manuel d'entretien/dépannage.

VORSICHT
Bevor Wartungsarbeiten an diesem Chassis ausgeführt werden, muβ das Wartungspersonal die "SICHERHEITSHINWEISE" in dieser Wartungsanleitung durchlesen.

ATTENZIONE
Prima di un intervento di assistenza tecnica sul telaio, è importante che il personale di assistenza tecnica legga le "MISURE DI SICUREZZA" contenute in questo manuale di assistenza.

PRECAUCIÓN
Antes de servir este chasis, es importante que la persona de servicio lea las "PRECAUCIONES DE SEGURIDAD" de este manual de servicio.

LET OP
Alvorens enig onderhoudswerk aan het chassis uit te voeren is het belangrijk dat de onderhoudsmonteur de VOORZORGSMAATREGELEN in deze service-handleiding aandachtig doorleest.

MITSUBISHI ELECTRIC

ENGLISH

CONTENTS

TRADEMARK, REGISTERED TRADEMARK

SPECIFICATIONS

- **Power Input** : AC 100~240V ; 50 / 60Hz
- **Rated Input** : 5.0A
- **LCD Panels** : 1.3inch LCD panel: 3 pieces(for R,G,B)
  Pixels 1,024 × 768= 786,432 pixels
  Total 2,359,296 pixels
  Active pixel rate: 99.9% or more (each panel)
- **Projection Lens** : F 2.5~2.9 f = 52.8-68.6 mm
- **Light Source Lamp** : 280W DC metal halide lamp
- **Picture Size** : aspect rate 4:3 20~300 inch
- **Speakers** : 60mm round type, 2 pcs.
- **S-Video Input** : Luminance signal: 1.0Vp-p 75Ω (negative signal)
  Chroma signal: 0.286Vp-p 75Ω (burst signal)
- **Video Input** : 1.0Vp-p 75Ω (negative sync.)
- **Audio Inputs** : 350mVrms, 10kΩ or more
- **PC Audio Inputs** : 250mVrms, 10kΩ or more
- **Analog RGB Input** : Mini D-SUB 15P
  RGB: 0.7Vp-p 75Ω (positive sync.)
  HD/CS: TTL level (positive)
  VD: TTL level (positive)
  Horizontal frequency: 15~81kHz
  Vertical frequency : 43~85Hz
- **Cabinet Dimensions** : 13.0"(W) × 5.7"(H) × 15.2"(D)
  (Legs and lens are not included.)
- **Weight** : 21.5 lbs.
- **Length of Power Cord** : 70.8 inch

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- Weight and dimensions shown are approximate.
- Design and specifications are subject to change without notice.

SAFETY PRECAUTIONS

NOTICE: Observe all cautions and safety related notes located inside the cabinet and on the chassis.

WARNING

1. An isolation transformer should be used between the projector and the AC supply point before any test/service is performed on a LIVE chassis projector.
2. Operation of this projector outside the cabinet or with the cover removed, involves a shock hazard from the projector power supplies. Work on the projector should not be attempted by anyone who is not thoroughly familiar with precautions necessary when working on high voltage equipment.
3. When service is required, observe the original lead dressing. Extra precaution should be given to assure correct lead dressing in the high voltage area. Where a short-circuit has occurred, replace those components that indicate evidence of overheating.

LEAKAGE CURRENT COLD CHECK

Before returning the projector to the customer, it is recommended that leakage current be measured according to the following methods.
With the AC plug removed from the AC source, place a jumper across the two AC plug prongs. Turn the projector AC switch on. Using an 500V D.C. Insulation Tester, connect one lead to the jumpered AC plug and touch the other lead to each exposed metal part (screwheads, etc.), particularly any exposed metal part having a return path to the chassis. Exposed metal parts having a return path to the chassis should have a minimum resistance reading of 4 megohm. Any resistance below this value indicates an abnormality which requires corrective action.

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PCBs LOCATION

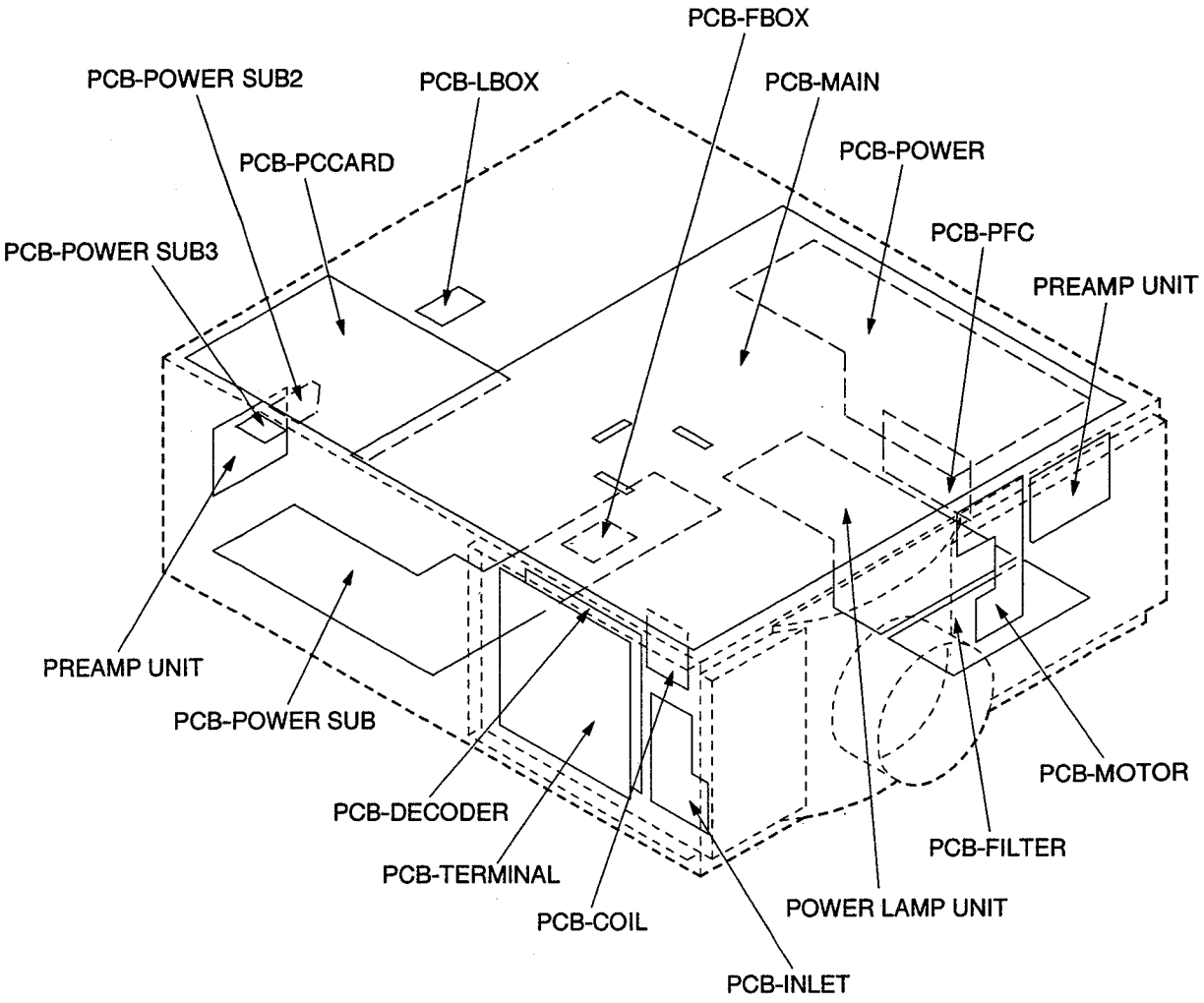

Fig. 1

REMOVING COMPONENTS

Refer to PARTS LIST for Parts Number

Note: Workers shall put on the wrist band to protect LCD against Static electricity during the operations.

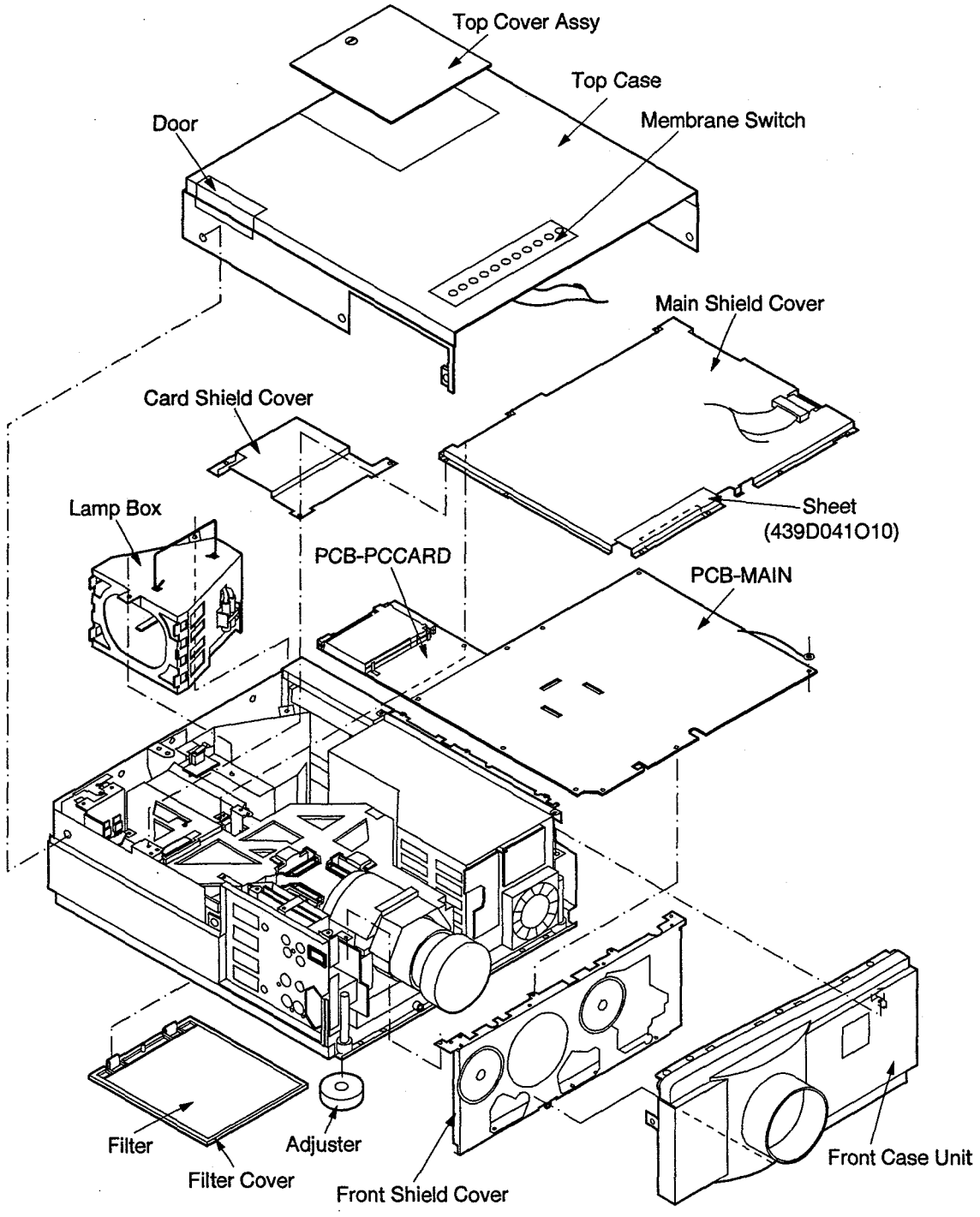

Fig. 2-1

Parts Name	Number of Screws
Top Case	8
Top Cover Assy	1
Lamp Box	2
Front Case Unit	3
Main Shield Cover	11

Parts Name	Number of Screws
Card Shield Cover	3
PCB-MAIN	8
PCB-PCCARD	4
Front Shield Cover	4
Filter Cover	2 (Hook)

Number of Screws : The number of Screws holding Parts.

Table 1-1

Refer to PARTS LIST for Parts Number

Note: Workers shall put on the wrist band to protect LCD against Static electricity during the operations.

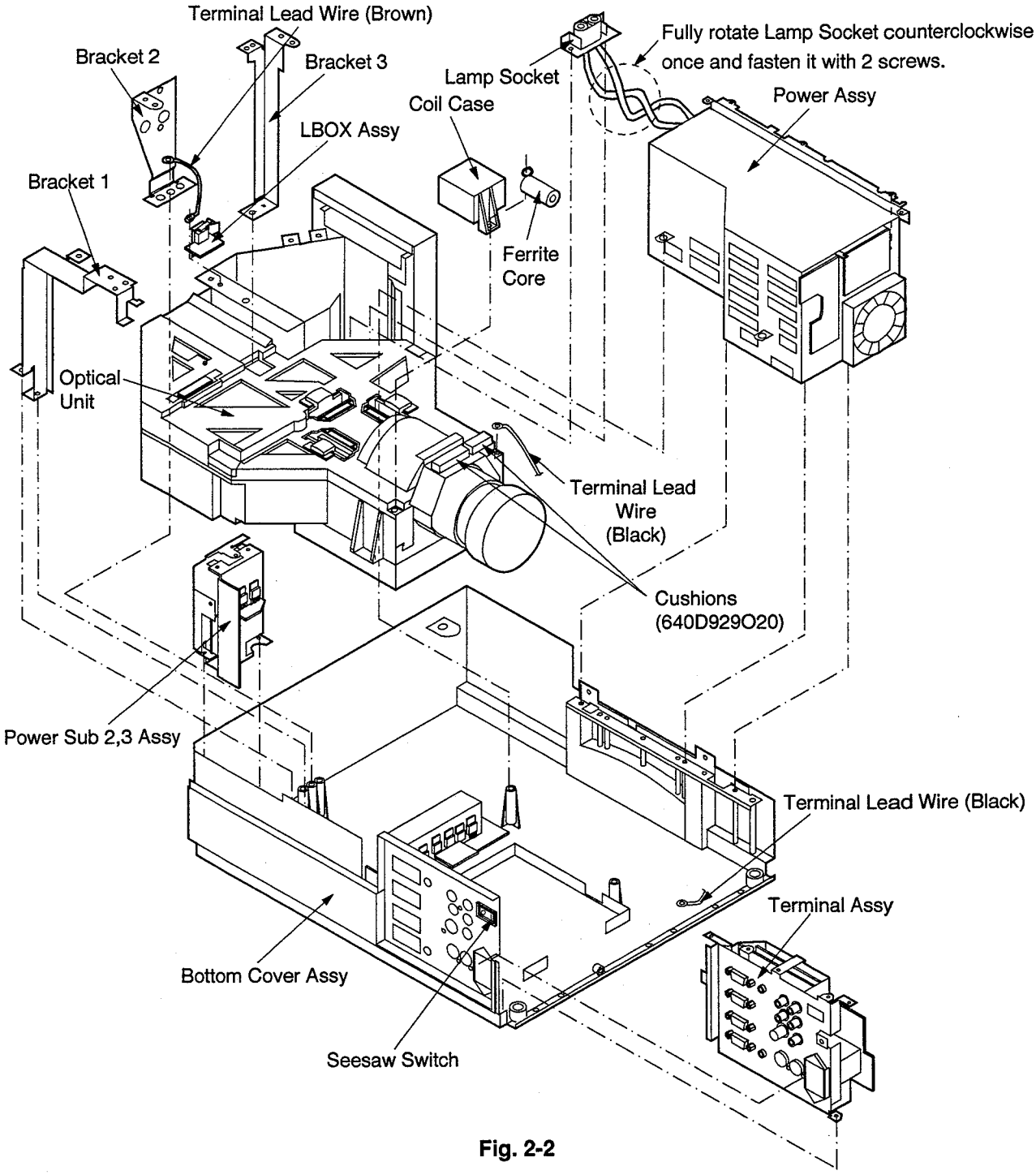

Fig. 2-2

Parts Name	Number of Screws
Power Assy	5
Lamp Socket	2
Bracket 1	2
Bracket 2	1
Bracket 3	1
LBOX Assy	2

Parts Name	Number of Screws
Ferrite Core	1
Terminal Lead Wire (Black)	2
Optical Unit	2
Power Sub 2,3 Assy	2
Terminal Assy	6

Number of Screws : The number of Screws holding Parts.

Table 1-2

Refer to PARTS LIST for Parts Number

* After replacing the Lens Unit or the LCD Block, make lens focus tracking adjustment.

Note: Workers shall put on the wrist band to protect LCD against Static electricity during the operations.

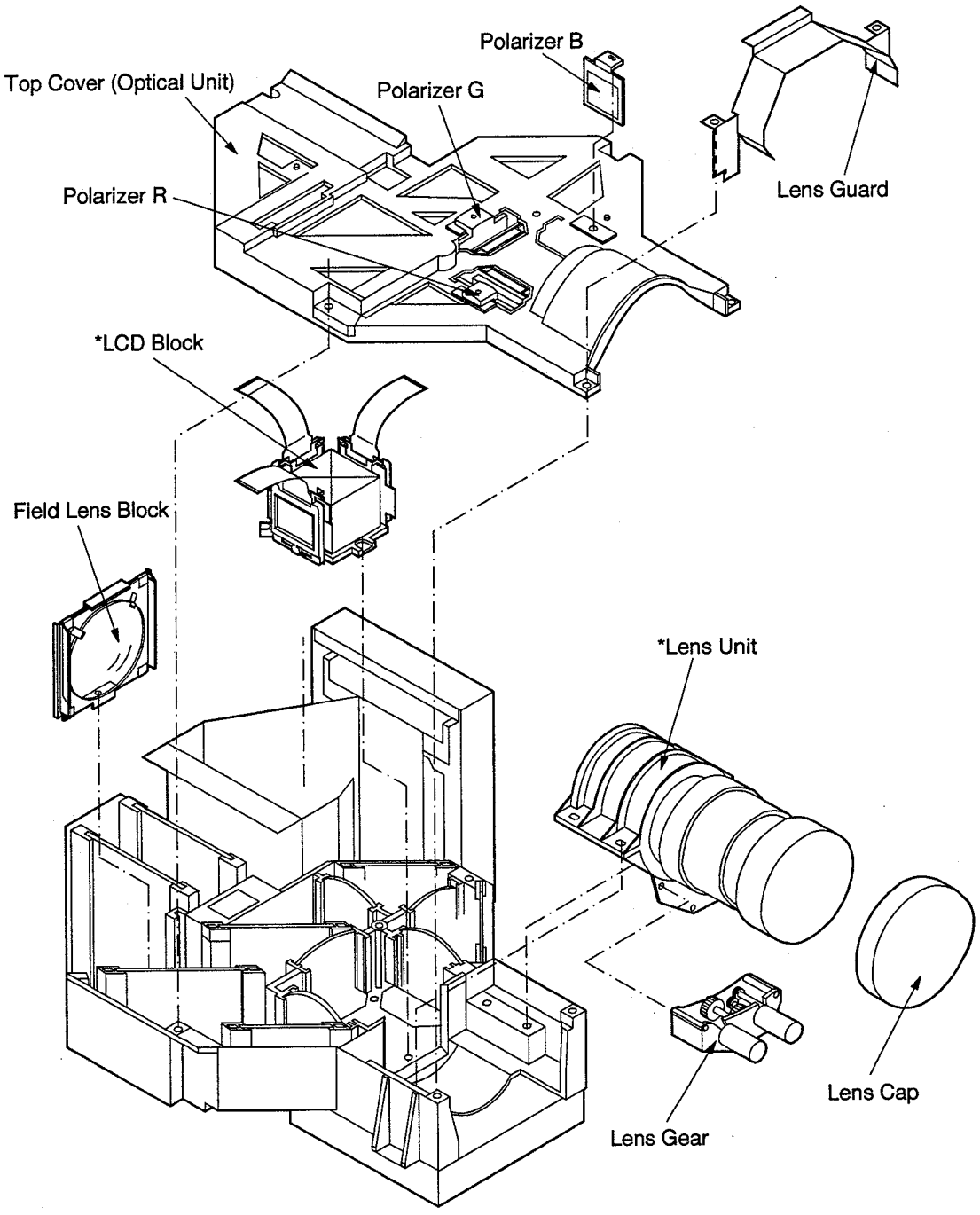

Fig. 2-3

Parts Name	Number of Screws
Top Cover (Optical Unit)	5
Polarizer R	1
Polarizer G	1
Polarizer B	1

Parts Name	Number of Screws
LCD Block	3
Field Lens Block	1
Lens Unit	4
Lens Gear	3

Number of Screws : The number of Screws holding Parts.

Table 1-3

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LEAD DRESS

Note: 1. The inner wires are clamped so that they do not come close to heat generating or high voltage parts. After servicing route all wires in their original position.
2. Workers shall put on the wrist band to protect LCD against Static electricity during the operations.

1. Clamp the Lead Wires along the Clamping Zone* shown in the figure below.
*Clamping Zone shows the route of the Lead Wire.

▬	Clamping Zone*
┈	Hidden Clamping Zone*

Lead dress before Optical Unit is set

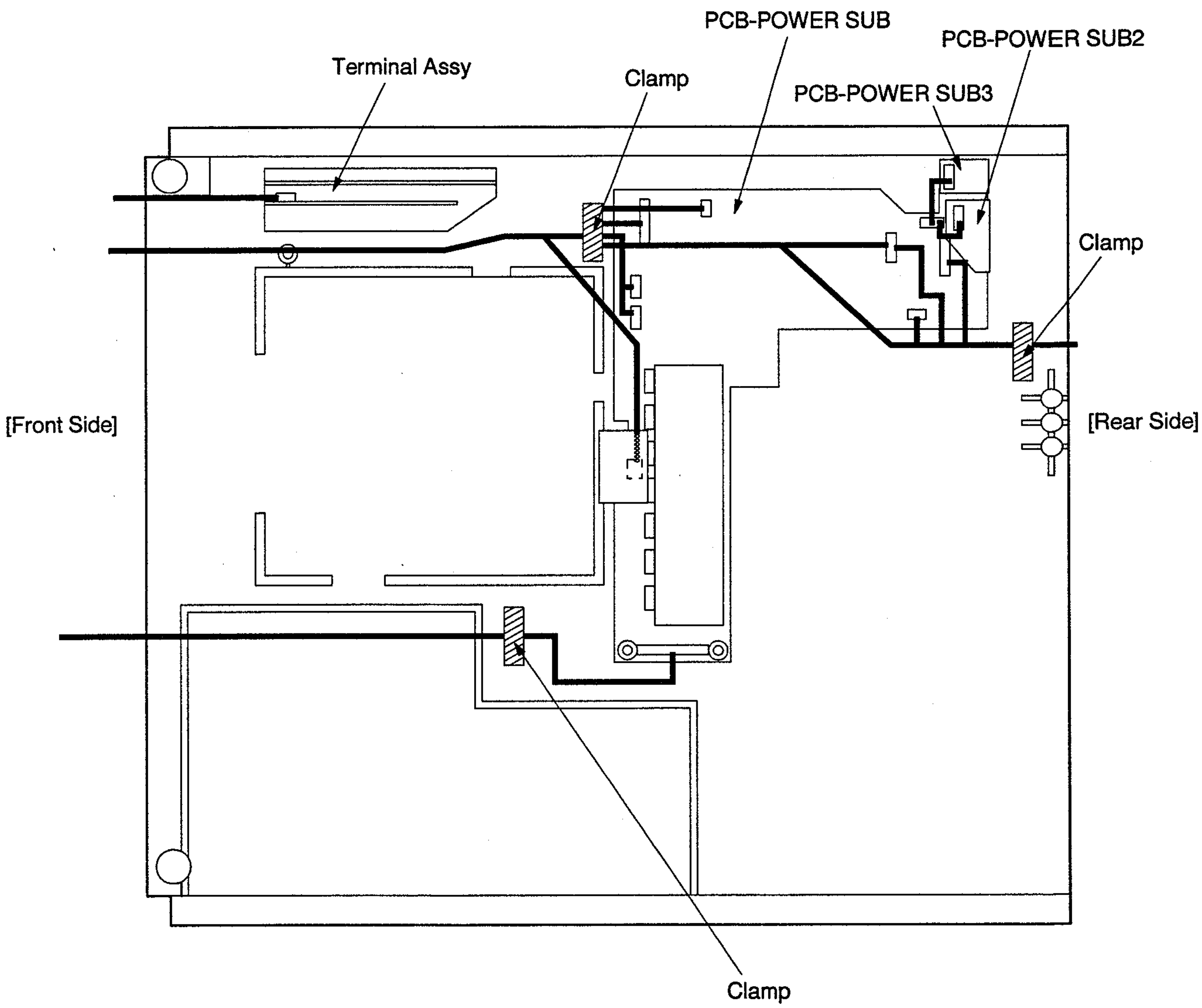

Fig. 3-1

Lead dress When Optical Unit and Power Assy are set

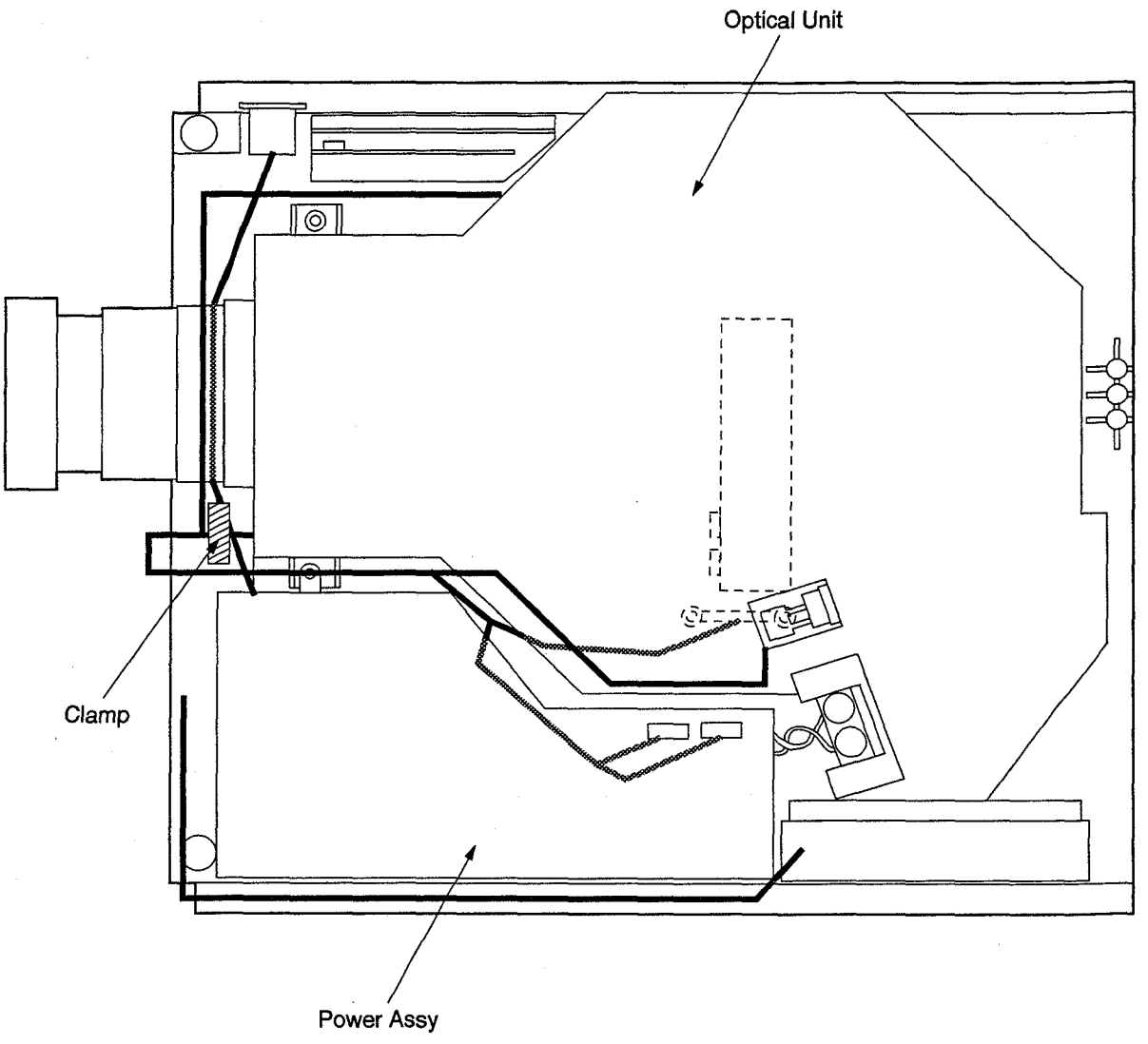

Fig. 3-2

Lead dress When PCB-MAIN and Card Shield Cover are set

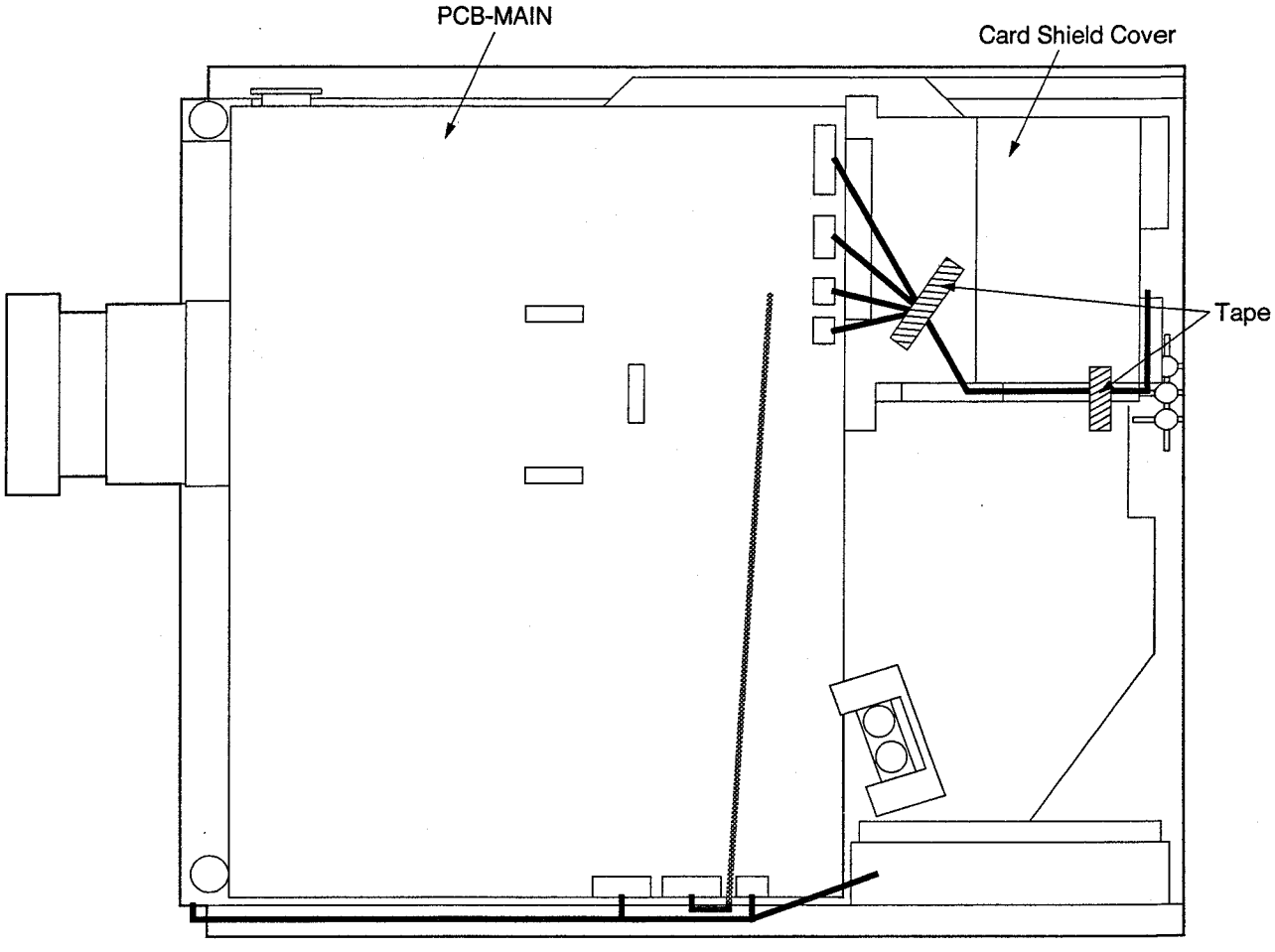

Fig. 3-3

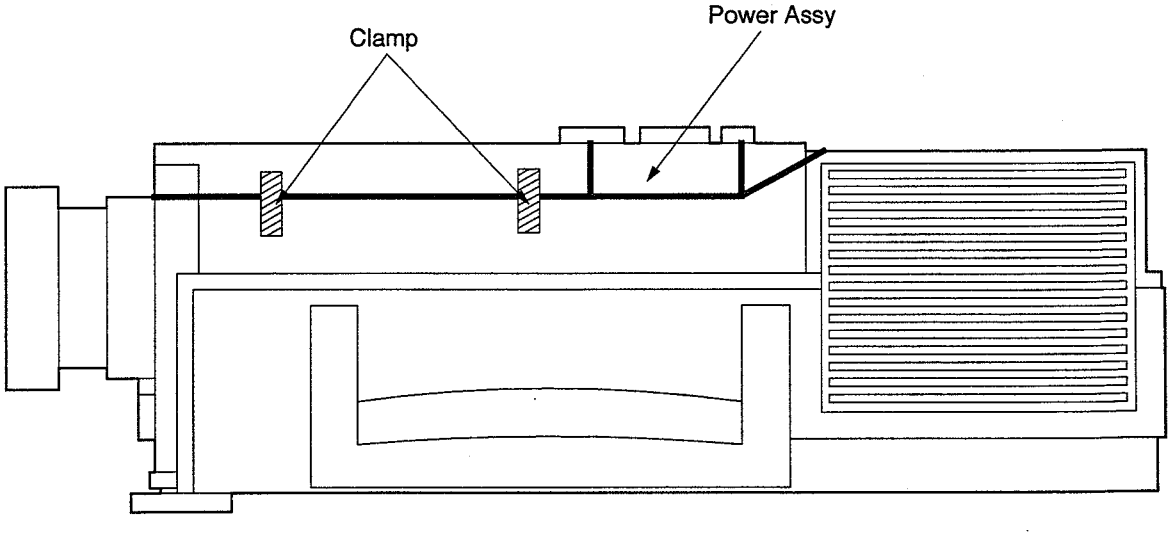

Fig. 3-4

REPLACEMENT OF A LIGHT SOURCE LAMP

The light source lamp is designed to project the image on the LCD panel. When the light source lamp no longer functions, replace it with a new one to ensure optimum performance.

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Caution:

- Do not remove the light source lamp from inside of this equipment immediately after using the projector, you may get burned because of the high temperature of the light source lamp.
- When you replace the light source lamp, press the power button to power off, then wait for 120 seconds in stand-by mode to cool down the lamp and LCD panels. Turn off the main switch, unplug the power code from the outlet and wait one hour so that the lamp is cool to the touch.
- Do not touch the lamp directly. It may be broken and may cause you to injure or burn yourself.
- Be sure not to drop the lamp lid screw into the projector. Also be sure also not to insert metal or any flammable objects, it may cause fire or an electric shock.
- Install the lamp securely, failure to do so it may cause a fire.

1. Loosen the screw of the lamp lid on the top cover using a screw driver(-) or a coin, and remove the lid. [Fig.4-1]

   Important:
   Be careful not to damage the electric wire connected to this equipment.

2. Use a screwdriver (+) to loosen the two lamp screws. Use a soft cloth to cover the lamp. [Fig.4-2]
3. Hold onto the projector by the handle as your pull out the lamp. [Fig.4-3]

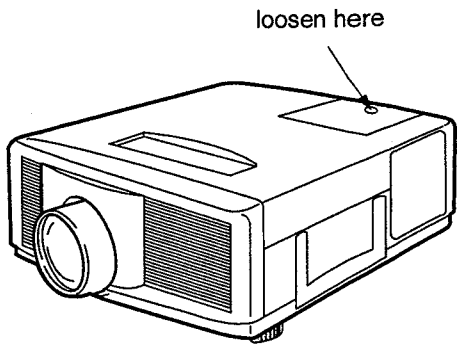


Fig. 4-1

Caution:
For the lamp you have removed, do not spill liquid on it, place it near flammable objects or where children can touch it. Otherwise, it will cause injury or fire.

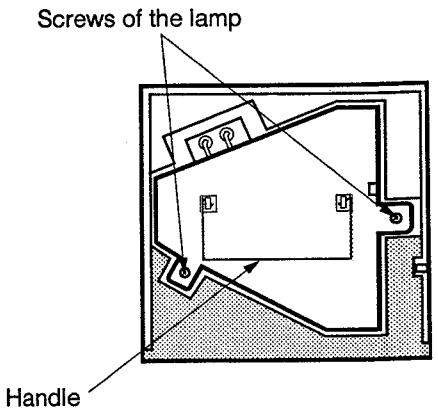


Fig. 4-2

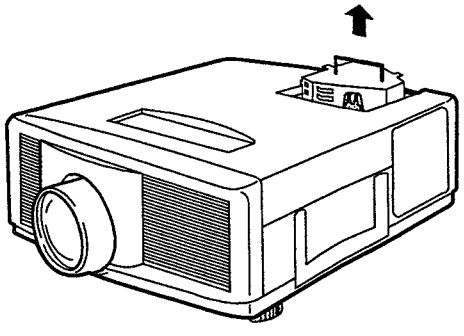


Fig. 4-3

4. Hold onto the projector by the handle and insert it securely into the projector body.
   Be sure that the projector guide is firmly inserted between the right and left lamp guides.
   Do not touch the lamp directly, place a cloth over the replacement lamp. [Fig.4-4]

Important:
- Replace with same type lamp rated.
- Avoid squeezing the light sources lamp or getting finger prints on it. Mishandling the lamp can shorten the lamp life, cause it to burst during operation or reduce its illumination.

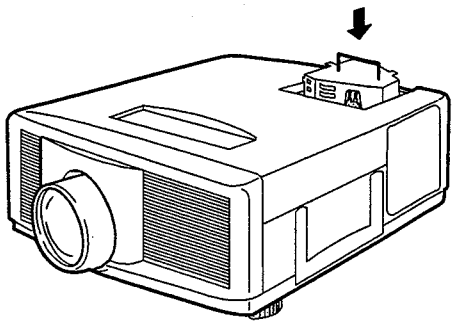


Fig. 4-4

5. Tighten up the two screws of the lamp using a screwdriver (+). [Fig.4-2]
6. Tighten up the screw of the lamp lid using a screwdriver (-) or a coin. [Fig.4-1]

Important:
The projector will not turn on if you do not secure the lamp lid.

7. Plug in the power cord, switch on the projector and reset lamp time by pressing the FINE< , > , and POWER buttons simultaneously.

Purchase of the light source lamp

The expected life of the metal halide light source lamp is 1,300 hours. However, to maintain optimum performance, it is recommended that the light source lamp be replaced at 1,000 hour intervals. When the lamp no longer works well, replace it with a new one specified for this projector. Consult your dealer, for recommended replacement lamps..

The life of the lamp

The average life of the lamp for the projector is about 1,300 hours of consecutive use. The lamp indicator will blink in red after approximately 1,000 hours. When the lamp has been used for about 1,300 hours, the projector will automatically shut off for the safety of the lamp and the power indicator light up in red. The projector cannot be used until the lamp has been replaced.

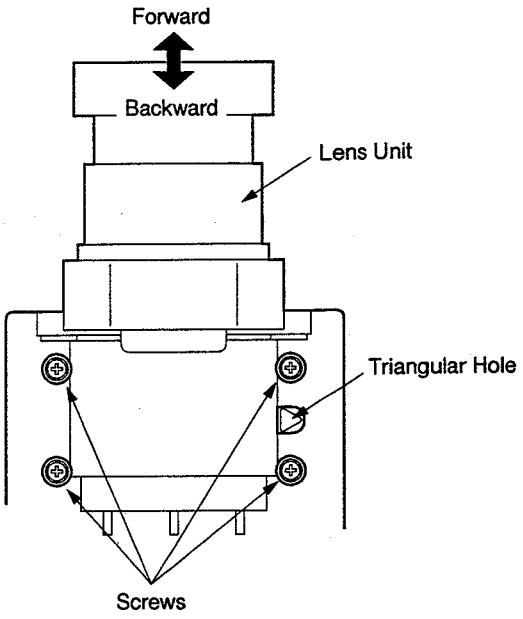
Caution:
- The light source lamp is fragile. Be careful not to cut yourself with the fragments.
- The lamp life depends on the environment. For replacement lamps, please contact your dealer.

The projector automatically shuts off when the lamp is used up in about 1,300 hours and not used until lamp replacement.

LENS FOCUS TRACKING ADJUSTMENT

After replacing the Lens Unit or the LCD Block, make this adjustment.
Fix the Lens Unit to optimize focus when zoomed out and in to the full.

1. Loosen the four screws securing the Lens Unit. Place the screws around the centre of the screw holes (elliptical).
2. Press the FOCUS/ZOOM button to indicate "ZOOM" on the screen.
3. Press the "ADJUST +" button to fully zoom out (to the smallest image).
4. Optimize the focus of the pixels on the screen.
5. Indicate the "ZOOM" on the screen. Press the "ADJUST –" button to fully zoom in (to the largest image).
6. Insert a minus screwdriver [equivalent to a 0.24 × 4 inch size (6 × 100 mm)] into the triangular hole for track adjustment. Turn the screwdriver to optimize the focus of the pixels on the screen. The Lens Unit moves forward and backward by turning the screwdriver.
7. Indicate the "ZOOM" on the screen. Press the "ADJUST +" button to fully zoom out.
8. Observe the focus. When the focus is optimized, this adjustment is completed. If not, make this adjustment again from the step 4.
9. Tighten the four screws. (screw torque 14±2kgf·m)



Optical Unit

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❑Adjustment with Microsoft® Windows® 95 Operating System

1. Starting

1. Start Windows® 95.
2. Double click [Accessories] holder.
3. Double click [Hyper Terminal] holder.
4. Double click [HyperTrm] icon.

2. Hyper Terminal Setting

1. Click [Properties] in File menu on the Hyper Terminal window.
   [Connection Properties] window will open.
   Set as follows on this window.
2. Click [Connecting] in communication menu on the window to connect LVP-X100E.

Item		Setting
Comm. Port		Port (COM1-COM4)
Port setting	: Bit/sec	9600
	: Data bit	8 bit
	: Parity	None
	: Stop bit	1
	: Flow control	Hardware
Setting	: Emulation	VT100
ASCII setting	: Sending ASCII	Put a line feed character at the end of the line Local echo Delay (Line) : 1000msec. Delay (Character) : 10msec.
	: Receiving ASCII	Put a line feed character at the end of received data

3. Adjustment

Enter the adjustment command and the adjustment value on the Hyper Terminal window in capitals with keyboard and press the enter key.

Note: When [<OK···] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command and value again.

4. Writing Adjustment Value

Enter the writing command and the adjustment value on the Hyper Terminal window in capitals with keyboard and press the enter key.

Note: This operation is not necessary for adjustment 1 (Clamp Level), 2 (RGB Input Level) and 3 (Bright Level) of automatic adjustment.

Note: When [<OK_EEPROM] is displayed, sending is accomplished correctly. When [<non···] is displayed, input the command and value again.

5. Close Window

Click the closing button placed upper right of the window to close the Hyper Terminal.
Close Windows® 95 after closing all opening windows.

Adjustment Procedures

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[A/D Pre-Amplification Circuit] 1. Clamp Level	**Adjustment purpose**	To set DC level of a picture signal to be entered to A/D converter.
	Symptom when incorrectly adjusted	Monochrome picture has a colour tint.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (White 100%, No. 01)
Input terminal	Analog RGB input terminal

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (White 100%, No. 01).
6. Enter [>?70] (RGB input clamp adjustment command) to the Hyper Terminal window and automatic adjustment will start.
7. When the adjustment is accomplished, [<OK_Auto CLUMP] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.
8. Supply an NTSC signal (colour bar) to the video input terminal.
9. Enter [>?71] (VIDEO input clamp adjustment command) to the Hyper Terminal window and automatic adjustment will start.
10. When adjustment is accomplished, [<OK_Auto CLUMP] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.

[A/D Pre-Amplification Circuit] 2. RGB Input Level	**Adjustment purpose**	To set amplitude of a video signal to be entered to A/D converter.
	Symptom when incorrectly adjusted	Monochrome picture has a colour tint.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (White 100%, No. 01)
Input terminal	Analog RGB input terminal

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (White 100%, No. 01).
6. Enter [>?52] (R signal adjustment command) to the Hyper Terminal window and automatic adjustment will start.
7. When the adjustment is accomplished, [<OK_Auto AD] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.
8. Enter [>?51] (G signal adjustment command) to the Hyper Terminal window and automatic adjustment will start.
9. When the adjustment is accomplished, [<OK_Auto AD] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.
10. Enter [>?53] (B signal adjustment command) to the Hyper Terminal window and automatic adjustment will start.
11. When the adjustment is accomplished, [<OK_Auto AD] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.

[Liquid Crystal Panel Driving Adjustment Circuit] 3. Bright Level	**Adjustment purpose**	To set DC level and amplitude of a video signal to be entered to Liquid crystal panel.
	Symptom when incorrectly adjusted	Monochrome picture has a colour tint. Whites are grey, or blacks are grey.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (White 100%, No. 01)
Input terminal	Analog RGB input terminal

* Preheat the set for one minute or more.

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (White 100%, No. 01).
6. Enter [>?6] (Bright level adjustment command) to the Hyper Terminal window. Automatic adjustment will start and the lamp indicator of LVP-X100E will flash in green.
7. When the adjustment is accomplished, [<OK_Auto BRIGHT] will be displayed on the Hyper Terminal window. If other massages are displayed, enter the command again.

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[Liquid Crystal Panel Driving Adjustment Circuit] 4. Ghost	**Adjustment purpose**	To remove ghosts from the screen.
	Symptom when incorrectly adjusted	Ghosts appear every 12 picture elements.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (SMTPE, No. 14)
Input terminal	Analog RGB input terminal

* Make this adjustment only when ghosts remarkably appear on the screen.

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (SMTPE, No. 14).
6. Project pictures onto the screen.

Red

7. Operate the signal source to be projected in red monochrome on the screen.
8. Enter the adjustment command [>?3123 □□] to the Hyper Terminal window to minimise the red ghosts. Enter [BB] or [99] to □□ for minimum ghosts. [AA] has been written at □□ before adjustment.
   (*1) When [<OK_HIC] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.
9. Enter [>?1056 □□] to the Hyper Terminal window and write the changed value onto the EEPROM.
   (*2) When [<OK_EEPROM] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.

Green

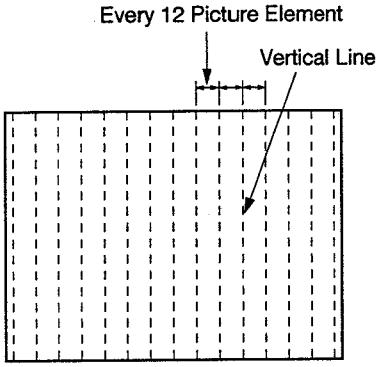
10. Operate the signal source to be projected in green monochrome on the screen.
11. Enter the adjustment command [>?3223 □□] to the Hyper Terminal window to minimise the green ghosts. Enter [BB] or [99] to □□ for minimum ghosts. [AA] has been written at □□ before adjustment. (*1)
12. Enter [>?1072 □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 11 to □□. (*2)

Blue

13. Operate the signal source to be projected in blue monochrome on the screen.
14. Enter the adjustment command [>?3323 □□] to the Hyper Terminal window to minimise the blue ghosts. Enter [BB] or [99] to □□ for minimum ghosts. [AA] has been written at □□ before adjustment. (*1)
15. Enter [>?108E □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 14 to □□. (*2)

[Liquid Crystal Panel Driving Adjustment Circuit] 5. Vertical Line	**Adjustment purpose**	To remove vertical lines form the screen.
	Symptom when incorrectly adjusted	Vertical lines appear every 12 picture elements.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (White 50%, No. 12)
Input terminal	Analog RGB input terminal



* Make this adjustment only when vertical lines remarkably appear on the screen.

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.
5. Supply an XGA signal (White 50%, No. 12).
6. Project pictures onto the screen.
7. Enter the adjustment command [>?237 □□] to the Hyper Terminal window to minimise vertical lines. Enter any value from [00h] to [FFh] to □□ for minimum vertical lines. [10h] has been written at □□ before adjustment.
   (*1) When [<OK_DAC] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.
8. Enter [>?10F0 □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 7 to □□.
   (*2) When [<OK_EEPROM] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.
9. Enter [>?10F1 □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 7 to □□. (*2)
10. Enter [>?10F2 □□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 7 to □□. (*2)

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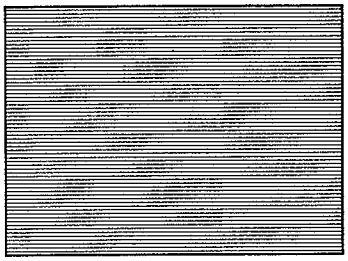
[Liquid Crystal Panel Driving Adjustment Circuit] 6. Flicker	**Adjustment purpose**	To remove flickers form the screen.
	Symptom when incorrectly adjusted	Flickers appear.

Measuring instrument	—
Test point	—
EXT trigger	—
Measurement range	—
Input signal	XGA signal (Horizontal line every other picture element, No. 15)
Input terminal	Analog RGB input terminal



Horizontal Line Every other Picture Element Pattern

* Make this adjustment only when flickers remarkably appear on the screen.

1. Connect LVP-X100E with a personal computer (with Microsoft® Windows® 95 Operating System). (Refer to the figure on P.12)
2. Start Microsoft® Windows® 95 in the personal computer.
3. Start the communication programme [Hyper Terminal] in Microsoft® Windows® 95 to open the window. (For setting, refer to Hyper Terminal setting on P.13)
4. Reset the normal mode on the main menu of this product.

Red

5. Supply an XGA signal (Horizontal line every other red picture element, No. 15).
6. Project pictures onto the screen.
7. Enter the adjustment command [>?239□□] to the Hyper Terminal window to minimise the red flickers. Enter any value from [00h] to [FFh] to □□ for minimum flickers. [A0h] has been written at □□ before adjustment.
   (*1) When [<OK_HIC] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.
8. Enter [>?103A□□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 7 to □□.
   (*2) When [<OK_EEPROM] is displayed, sending is accomplished correctly. When [<non···] is displayed, enter the command again.

Green

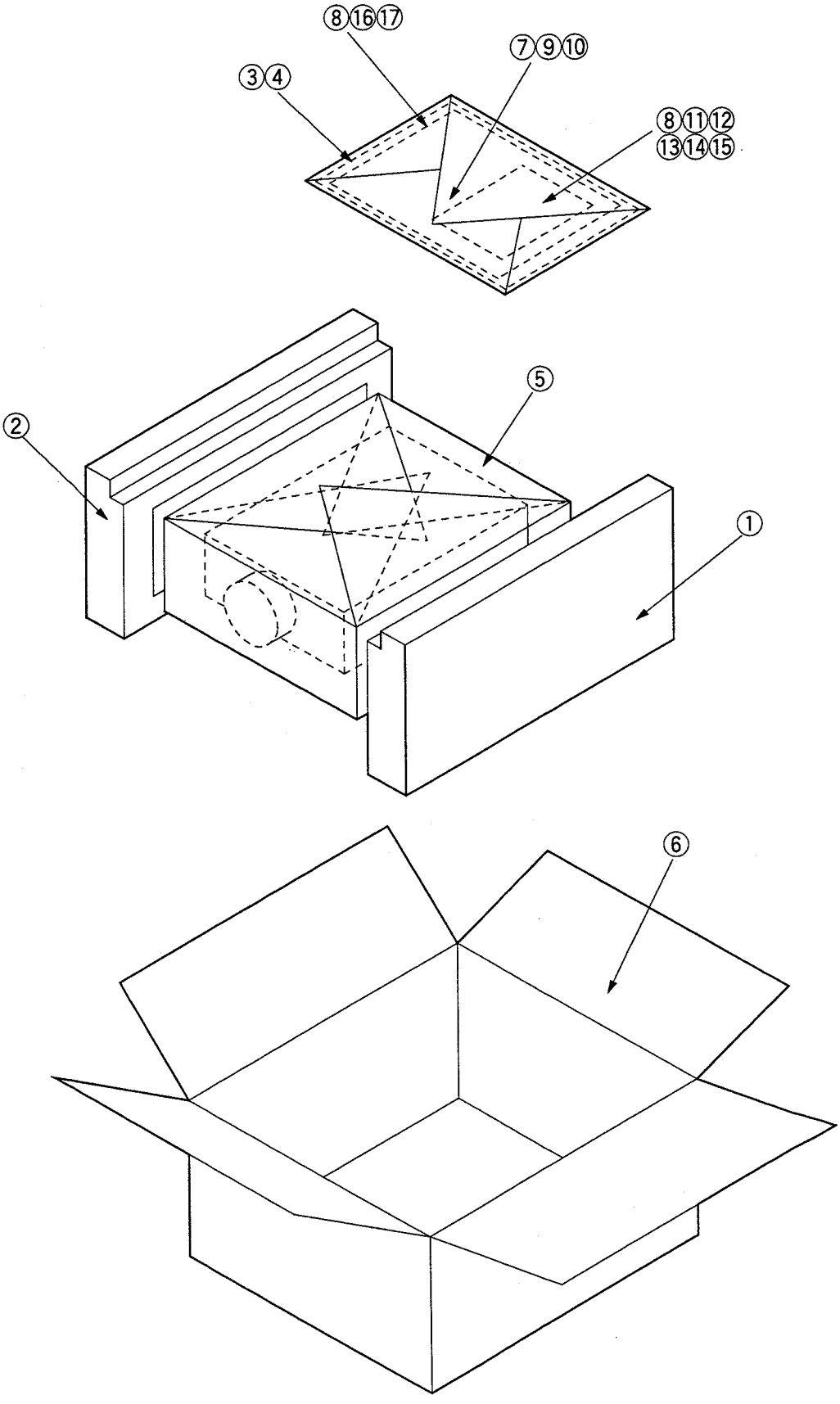
9. Supply an XGA signal (Horizontal line every other green picture element, No. 16).
10. Enter the adjustment command [>?23A□□] to the Hyper Terminal window to minimise the green flickers. Enter any value from [00h] to [FFh] to □□ for minimum flickers. [A0h] has been written at □□ before adjustment. (*1)
11. Enter [>?103B□□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 10 to □□. (*2)

Blue

12. Supply an XGA signal (Horizontal line every other blue picture element, No. 17).
13. Enter the adjustment command [>?23B□□] to the Hyper Terminal window to minimise the blue flickers. Enter any value from [00h] to [FFh] to □□ for minimum flickers. [A0h] has been written at □□ before adjustment. (*1)
14. Enter [>?103C□□] to the Hyper Terminal window and write the changed value onto the EEPROM. Enter the value of step 13 to □□. (*2)

PARTS LIST

REPACKING PROCEDURE



ENGLISH

ELECTRICAL PARTS AND OTHERS

MODEL : LVP-X100E

In order to expedite delivery of replacement part orders.

Specify : 1. Model number/Serial number
2. Part number and Description
3. Quantity

Unless full information is supplied,delay in execution of orders will result.

⚠ : Critical components

MARK	B	C	D	F	G	J	K
TOLERANCE (%)	±0.1	±0.25	±0.5	±1	±2	±5	±10

MARK	M	N	V	X	Z	P	Q
TOLERANCE (%)	±20	±30	+10 -10	+40 -20	+80 -20	+100 -0	+30 -10

MARK	B	C	D	F	G
TOLERANCE (pF)	±0.1	±0.25	±0.5	±1	±2

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
		INTEGRATED CIRCUITS	
IC210	270P566O10	IC	AD8180AR
IC211	270P567O10	IC	AD8182AR
IC220	270P582O10	IC	AD8073JR
IC240	272P938O10	IC	M52055FP
IC250	272P938O10	IC	M52055FP
IC251	275P141O10	IC	74VHC157M
IC260	275P140O10	IC	74VHC153M
IC2A0	272P938O10	IC	M52055FP
IC2A1	270P396O10	IC	SAA4961
IC2A2	270P313O10	IC	TDA9141
IC2A3	270P314O10	IC	TDA4665
IC2A4	270P575O10	IC	NJM78M08DLA
IC300	275P142O10	IC	74VHC4052M
IC350	272P525O10	IC	µPC1406HA(MS)
IC351	270P284O10	IC	LA4525
IC900	272P815O10	IC	µPC7818H
IC950	267P137O10	IC	STR-M6833A
IC951	267P062O40	IC	SE012N
IC9A0	266P932O20	IC	NJM7805A
IC9A1	272P240O10	IC	M5237L
IC9A2	272P240O10	IC	M5237L
IC9A3	267P136O10	IC	SI-3090F
IC9A4	270P581O10	IC	SI-3150FA
IC9A5	270P580O10	IC	SI-3120F
IC9A6	270P212O10	IC	AN7812F
IC9A7	270P599O10	IC	LM2991T
IC9A8	272P293O10	IC	NJM79L05A
IC9A9	267P076O30	IC	SI-3050C
IC9B0	267P076O30	IC	SI-3050C
IC9M0	270P569O20	IC	FA5331M
IC9S1	272P990O10	IC	LB1641
IC9S2	272P990O10	IC	LB1641
		TRANSISTORS	
Q 201	261P005O10	CHIP TRANSISTOR	2SC3123
Q 202	261P005O10	CHIP TRANSISTOR	2SC3123
Q 203	261P005O10	CHIP TRANSISTOR	2SC3123
Q 204	260P899O10	CHIP TRANSISTOR	2SC3734-B23
Q 205	260P899O10	CHIP TRANSISTOR	2SC3734-B23
Q 206	260P899O10	CHIP TRANSISTOR	2SC3734-B23
Q 207	260P899O10	CHIP TRANSISTOR	2SC3734-B23
Q 2A0	260P817O30	CHIP TRANSISTOR	2SA1037K-S
Q 2A1	260P817O30	CHIP TRANSISTOR	2SA1037K-S
Q 2A2	260P817O30	CHIP TRANSISTOR	2SA1037K-S
Q 300	260P818O30	CHIP TRANSISTOR	2SC2412KS
Q 301	260P818O30	CHIP TRANSISTOR	2SC2412KS
Q 302	260P807O10	CHIP TRANSISTOR	UN2212
Q 303	260P817O30	CHIP TRANSISTOR	2SA1037K-S
Q 304	260P836O90	CHIP TRANSISTOR	2SC3326-A,B
Q 305	260P836O90	CHIP TRANSISTOR	2SC3326-A,B
Q 900	260P935O10	TRANSISTOR	2SK2198
Q 901	260P935O10	TRANSISTOR	2SK2198
Q 902	260P868O10	CHIP TRANSISTOR	2SC2873-Y
Q 903	260P701O10	CHIP TRANSISTOR	2SA1213-Y
Q 904	260P836O90	CHIP TRANSISTOR	2SC3326-A,B
Q 905	260P817O30	CHIP TRANSISTOR	2SA1037K-S
Q 951	260P818O30	CHIP TRANSISTOR	2SC2412KS
Q 9A0	260P754O10	TRANSISTOR	2SA1291-S
Q 9A1	260P818O30	CHIP TRANSISTOR	2SC2412KS
Q 9A2	260P818O30	CHIP TRANSISTOR	2SC2412KS
Q 9B0	260P806O10	CHIP TRANSISTOR	DTA124EK
Q 9B1	260P806O10	CHIP TRANSISTOR	DTA124EK
Q 9C0	260P754O10	TRANSISTOR	2SA1291-S
Q 9C1	260P754O10	TRANSISTOR	2SA1291-S
Q 9M0	260P818O30	CHIP TRANSISTOR	2SC2412KS
Q 9M1	260P818O30	CHIP TRANSISTOR	2SC2412KS
Q 9M2	260P818O30	CHIP TRANSISTOR	2SC2412KS
		DIODES	
D 201	264P830O20	CHIP DIODE	DA204U
D 202	264P830O20	CHIP DIODE	DA204U
D 203	264P830O20	CHIP DIODE	DA204U
D 204	264P815O60	CHIP DIODE	RD5.1MB1
D 205	264P815O60	CHIP DIODE	RD5.1MB1
D 206	264P830O20	CHIP DIODE	DA204U
D 207	264P830O20	CHIP DIODE	DA204U
D 208	264P830O20	CHIP DIODE	DA204U
D 209	264P815O60	CHIP DIODE	RD5.1MB1
D 210	264P815O60	CHIP DIODE	RD5.1MB1
D 211	264P830O20	CHIP DIODE	DA204U
D 212	264P830O20	CHIP DIODE	DA204U
D 213	264P830O20	CHIP DIODE	DA204U
D 214	264P830O20	CHIP DIODE	DA204U
D 215	264P830O20	CHIP DIODE	DA204U
D 216	264P830O20	CHIP DIODE	DA204U
D 217	264P830O20	CHIP DIODE	DA204U
D 218	264P830O20	CHIP DIODE	DA204U
D 219	264P769O20	CHIP DIODE	RD16UMB2
D 223	264P769O20	CHIP DIODE	RD16UMB2
D 224	264P769O20	CHIP DIODE	RD16UMB2
D 225	264P769O20	CHIP DIODE	RD16UMB2
D 226	264P769O20	CHIP DIODE	RD16UMB2
D 227	264P769O20	CHIP DIODE	RD16UMB2
D 228	264P769O20	CHIP DIODE	RD16UMB2
D 229	264P769O20	CHIP DIODE	RD16UMB2
D 230	264P769O20	CHIP DIODE	RD16UMB2
D 231	264P830O20	CHIP DIODE	DA204U
D 232	264P830O20	CHIP DIODE	DA204U
D 233	264P830O20	CHIP DIODE	DA204U
D 300	264P814O30	CHIP DIODE	MA142WA
D 301	264P828O10	CHIP DIODE	DAN202U
D 302	264P814O30	CHIP DIODE	MA142WA
D 303	264P828O10	CHIP DIODE	DAN202U
D 304	264P814O30	CHIP DIODE	MA142WA
D 305	264P828O10	CHIP DIODE	DAN202U
D 306	264P828O10	CHIP DIODE	DAN202U
D 307	264P814O30	CHIP DIODE	MA142WA
⚠ D 900	264P623O10	DIODE	RBV-1506
D 901	264P762O10	DIODE	YG912S6
D 902	264P527O30	DIODE	D1NS4/AK04
D 903	264P527O30	DIODE	D1NS4/AK04

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SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
D 904	264P770010	CHIP DIODE	RD13MB1
D 905	264P543030	DIODE	EG01C
D 906	264P622010	DIODE	AL01Z
D 907	264P622010	DIODE	AL01Z
D 950	264P244020	DIODE	HZT33-10
D 951	264P543030	DIODE	EG01C
D 952	264P622010	DIODE	AL01Z
D 953	264P622010	DIODE	AL01Z
D 954	264P622010	DIODE	AL01Z
D 956	264P566010	DIODE	FMP-G12S
D 957	264P695040	DIODE	RK34
D 958	264P761010	DIODE	FMB-G24H
D 959	264P761010	DIODE	FMB-G24H
D 960	264P761010	DIODE	FMB-G24H
D 9A0	264P808010	CHIP DIODE	DAN202K
D 9M0	264P826010	CHIP DIODE	DA204K
D 9S1	264P483090	DIODE	RD5.1FB3
D 9S2	264P483090	DIODE	RD5.1FB3
	COILS		
	411D038010	FERRITE CORE FILTER	HF70SH
L 201	409P777030	CHIP EMI FILTER	BLM21A10
L 210	409P777030	CHIP EMI FILTER	BLM21A10
L 211	409P777030	CHIP EMI FILTER	BLM21A10
L 212	409P777030	CHIP EMI FILTER	BLM21A10
L 220	409P777030	CHIP EMI FILTER	BLM21A10
L 221	409P777030	CHIP EMI FILTER	BLM21A10
L 234	409P777010	EMI FILTER	BLM21B03 2012
L 235	409P777010	EMI FILTER	BLM21B03 2012
L 240	409P777030	CHIP EMI FILTER	BLM21A10
L 241	409P777030	CHIP EMI FILTER	BLM21A10
L 250	409P777030	CHIP EMI FILTER	BLM21A10
L 251	409P777030	CHIP EMI FILTER	BLM21A10
L 260	409P777030	CHIP EMI FILTER	BLM21A10
L 270	409P777010	EMI FILTER	BLM21B03 2012
L 271	409P777010	EMI FILTER	BLM21B03 2012
L 272	409P777010	EMI FILTER	BLM21B03 2012
L 273	409P777010	EMI FILTER	BLM21B03 2012
L 274	409P777010	EMI FILTER	BLM21B03 2012
L 275	409P777010	EMI FILTER	BLM21B03 2012
L 280	409P777010	EMI FILTER	BLM21B03 2012
L 281	409P777010	EMI FILTER	BLM21B03 2012
L 282	409P777010	EMI FILTER	BLM21B03 2012
L 283	409P777010	EMI FILTER	BLM21B03 2012
L 284	409P777010	EMI FILTER	BLM21B03 2012
L 285	409P777010	EMI FILTER	BLM21B03 2012
L 286	409P777010	EMI FILTER	BLM21B03 2012
L 287	409P777010	EMI FILTER	BLM21B03 2012
L 288	409P777010	EMI FILTER	BLM21B03 2012
L 289	409P777010	EMI FILTER	BLM21B03 2012
L 290	409P777010	EMI FILTER	BLM21B03 2012
L 291	409P777020	CHIP EMI FILTER	BLM21A05
L 292	409P777020	CHIP EMI FILTER	BLM21A05
L 293	409P777020	CHIP EMI FILTER	BLM21A05
L 294	409P777020	CHIP EMI FILTER	BLM21A05
L 295	409P777020	CHIP EMI FILTER	BLM21A05
L 296	409P777020	CHIP EMI FILTER	BLM21A05

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
L 2A0	409P777030	CHIP EMI FILTER	BLM21A10
L 2A1	325C241070	CHIP COIL	22µH-K
L 2A2	409P777030	CHIP EMI FILTER	BLM21A10
L 2A3	325C241070	CHIP COIL	22µH-K
L 2A4	325C241070	CHIP COIL	22µH-K
L 2A5	409P777030	CHIP EMI FILTER	BLM21A10
L 2N1	325C241030	CHIP COIL	10µH-K
L 2N2	325C241030	CHIP COIL	10µH-K
L 2N3	325C241030	CHIP COIL	10µH-K
L 2N4	325C241030	CHIP COIL	10µH-K
L 300	409P777030	CHIP EMI FILTER	BLM21A10
L 307	409P777030	CHIP EMI FILTER	BLM21A10
L 310	409P777030	CHIP EMI FILTER	BLM21A10
⚠ L 900	351P166010	CHOKE COIL	SHB-05-650V
L 950	411D009020	FERRITE CORE FILTER	
L 9A0	321C152040	RF COIL	82µH-K
L 9A1	321C142080	RF COIL	180µH-K
L 9A2	321C151050	RF COIL	15µH-K
L 9A3	351P081020	COIL	SN-8D-509
L 9A4	321C152040	RF COIL	82µH-K
⚠ L 9F1	351P072020	LINE FILTER	
⚠ L 9F2	351P072020	LINE FILTER	
LC300	409P512070	EMI FILTER	
LC301	409P512070	EMI FILTER	
LC302	409P512070	EMI FILTER	
LC303	409P512070	EMI FILTER	
LC304	409P512070	EMI FILTER	
LC305	409P512070	EMI FILTER	
LC306	409P512070	EMI FILTER	
LC307	409P512070	EMI FILTER	
	TRANSFORMERS		
⚠ T 950	350P722020	POWER	
	RESISTORS		
R 201	103P489090	CHIP METAL	1/4W 75Ω-J
R 202	103P489090	CHIP METAL	1/4W 75Ω-J
R 203	103P489090	CHIP METAL	1/4W 75Ω-J
R 204	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 205	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 206	103P490010	CHIP RESISTOR	1/16W 100Ω-F
R 207	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 208	103P492050	CHIP METAL	1/16W 1kΩ-F
R 209	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 210	103P492050	CHIP METAL	1/16W 1kΩ-F
R 211	103P500090	CHIP RESISTOR	1/20W 47Ω-J
R 212	103P492050	CHIP METAL	1/16W 1kΩ-F
R 213	103P497030	CHIP METAL	1/16W 100kΩ-F
R 214	103P497030	CHIP METAL	1/16W 100kΩ-F
R 215	103P497030	CHIP METAL	1/16W 100kΩ-F
R 216	103P400030	CHIP METAL	1/10W 15Ω-J
R 217	103P400030	CHIP METAL	1/10W 15Ω-J
R 218	103P400030	CHIP METAL	1/10W 15Ω-J
R 219	103P493010	CHIP METAL	1/16W 1.8kΩ-F
R 220	103P492090	CHIP RESISTOR	1/16W 1.5kΩ-F
R 221	103P492070	CHIP METAL	1/16W 1.2kΩ-F

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
R 222	103P493O10	CHIP METAL	1/16W 1.8kΩ-F
R 223	103P492O90	CHIP RESISTOR	1/16W 1.5kΩ-F
R 224	103P492O70	CHIP METAL	1/16W 1.2kΩ-F
R 225	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 226	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 227	103P490O50	CHIP METAL	1/16W 150Ω-F
R 228	103P490O50	CHIP METAL	1/16W 150Ω-F
R 229	103P490O50	CHIP METAL	1/16W 150Ω-F
R 230	103P492O50	CHIP METAL	1/16W 1kΩ-F
R 231	103P492O50	CHIP METAL	1/16W 1kΩ-F
R 232	103P492O50	CHIP METAL	1/16W 1kΩ-F
R 233	103P492O50	CHIP METAL	1/16W 1kΩ-F
R 234	103P492O50	CHIP METAL	1/16W 1kΩ-F
R 235	103P492O50	CHIP METAL	1/16W 1kΩ-F
R 236	103P409O90	CHIP RESISTOR	1/10W 75Ω-J
R 237	103P409O90	CHIP RESISTOR	1/10W 75Ω-J
R 238	103P409O90	CHIP RESISTOR	1/10W 75Ω-J
R 239	103P496O50	CHIP METAL	1/16W 47kΩ-F
R 240	103P496O50	CHIP METAL	1/16W 47kΩ-F
R 241	103P496O50	CHIP METAL	1/16W 47kΩ-F
R 243	103P489O90	CHIP METAL	1/4W 75Ω-J
R 244	103P489O90	CHIP METAL	1/4W 75Ω-J
R 245	103P489O90	CHIP METAL	1/4W 75Ω-J
R 246	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 247	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 248	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 251	103P492O70	CHIP METAL	1/16W 1.2kΩ-F
R 252	103P492O70	CHIP METAL	1/16W 1.2kΩ-F
R 253	103P492O70	CHIP METAL	1/16W 1.2kΩ-F
R 254	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 255	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 256	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 257	103P492O90	CHIP RESISTOR	1/16W 1.5kΩ-F
R 258	103P492O90	CHIP RESISTOR	1/16W 1.5kΩ-F
R 259	103P492O90	CHIP RESISTOR	1/16W 1.5kΩ-F
R 260	103P494O00	CHIP METAL	1/16W 4.3kΩ-F
R 261	103P492O30	CHIP METAL	1/16W 820Ω-F
R 262	103P492O30	CHIP METAL	1/16W 820Ω-F
R 263	103P493O10	CHIP METAL	1/16W 1.8kΩ-F
R 264	103P492O90	CHIP RESISTOR	1/16W 1.5kΩ-F
R 265	103P492O70	CHIP METAL	1/16W 1.2kΩ-F
R 266	103P493O10	CHIP METAL	1/16W 1.8kΩ-F
R 267	103P492O90	CHIP RESISTOR	1/16W 1.5kΩ-F
R 268	103P492O70	CHIP METAL	1/16W 1.2kΩ-F
R 269	103P489O90	CHIP METAL	1/4W 75Ω-J
R 270	103P489O90	CHIP METAL	1/4W 75Ω-J
R 271	103P489O90	CHIP METAL	1/4W 75Ω-J
R 272	103P489O90	CHIP METAL	1/4W 75Ω-J
R 273	103P489O90	CHIP METAL	1/4W 75Ω-J
R 274	103P489O90	CHIP METAL	1/4W 75Ω-J
R 275	103P496O50	CHIP METAL	1/16W 47kΩ-F
R 276	103P493O70	CHIP METAL	1/16W 3.3kΩ-F
R 277	103P493O70	CHIP METAL	1/16W 3.3kΩ-F
R 278	103P496O50	CHIP METAL	1/16W 47kΩ-F
R 279	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 280	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 281	103P490O10	CHIP RESISTOR	1/16W 100Ω-F

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
R 282	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 283	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 284	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 285	103P500O90	CHIP RESISTOR	1/20W 47Ω-J
R 286	103P500O90	CHIP RESISTOR	1/20W 47Ω-J
R 287	103P500O90	CHIP RESISTOR	1/20W 47Ω-J
R 288	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 289	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 290	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 291	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 292	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 293	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 294	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 295	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 296	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 297	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 298	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 2A0	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 2A1	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 2A2	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 2A3	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 2A4	103P500O90	CHIP RESISTOR	1/20W 47Ω-J
R 2A7	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 2A8	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 2A9	103P497O10	CHIP METAL	1/16W 82kΩ-F
R 2B0	103P495O30	CHIP METAL	1/16W 15kΩ-F
R 2B1	103P500O90	CHIP RESISTOR	1/20W 47Ω-J
R 2B2	103P493O10	CHIP METAL	1/16W 1.8kΩ-F
R 2B3	103P500O90	CHIP RESISTOR	1/20W 47Ω-J
R 2B4	103P493O10	CHIP METAL	1/16W 1.8kΩ-F
R 2B5	103P500O90	CHIP RESISTOR	1/20W 47Ω-J
R 2B6	103P493O10	CHIP METAL	1/16W 1.8kΩ-F
R 2B7	103P494O30	CHIP METAL	1/16W 5.6kΩ-F
R 300	103P493O30	CHIP METAL	1/16W 2.2kΩ-F
R 301	103P498O50	CHIP METAL	1/16W 330kΩ-F
R 302	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 303	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 304	103P493O30	CHIP METAL	1/16W 2.2kΩ-F
R 305	103P498O50	CHIP METAL	1/16W 330kΩ-F
R 306	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 307	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 308	103P493O30	CHIP METAL	1/16W 2.2kΩ-F
R 309	103P498O50	CHIP METAL	1/16W 330kΩ-F
R 310	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 311	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 312	103P493O30	CHIP METAL	1/16W 2.2kΩ-F
R 313	103P498O50	CHIP METAL	1/16W 330kΩ-F
R 314	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 315	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 316	103P493O30	CHIP METAL	1/16W 2.2kΩ-F
R 317	103P498O50	CHIP METAL	1/16W 330kΩ-F
R 318	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 319	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 320	103P493O30	CHIP METAL	1/16W 2.2kΩ-F
R 321	103P498O50	CHIP METAL	1/16W 330kΩ-F
R 322	103P497O30	CHIP METAL	1/16W 100kΩ-F
R 323	103P497O30	CHIP METAL	1/16W 100kΩ-F

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SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
R 325	103P494O10	CHIP METAL	1/16W 4.7kΩ-F
R 326	103P494O10	CHIP METAL	1/16W 4.7kΩ-F
R 327	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 328	103P492O50	CHIP METAL	1/16W 1kΩ-F
R 329	103P491O30	CHIP METAL	1/16W 330Ω-F
R 330	103P491O10	CHIP METAL	1/16W 270Ω-F
R 331	103P490O10	CHIP RESISTOR	1/16W 100Ω-F
R 332	103P492O50	CHIP METAL	1/16W 1kΩ-F
R 333	103P491O30	CHIP METAL	1/16W 330Ω-F
R 334	103P491O10	CHIP METAL	1/16W 270Ω-F
R 335	103P494O10	CHIP METAL	1/16W 4.7kΩ-F
R 336	103P496O50	CHIP METAL	1/16W 47kΩ-F
R 337	103P494O10	CHIP METAL	1/16W 4.7kΩ-F
R 338	103P496O50	CHIP METAL	1/16W 47kΩ-F
R 350	103P494O90	CHIP METAL	1/16W 10kΩ-F
R 351	103P494O90	CHIP METAL	1/16W 10kΩ-F
R 352	103P494O90	CHIP METAL	1/16W 10kΩ-F
R 353	103P493O30	CHIP METAL	1/16W 2.2kΩ-F
R 354	103P493O30	CHIP METAL	1/16W 2.2kΩ-F
R 355	103P495O70	CHIP METAL	1/16W 22kΩ-F
R 356	103P495O70	CHIP METAL	1/16W 22kΩ-F
R 357	103P495O70	CHIP METAL	1/16W 22kΩ-F
R 358	103P495O70	CHIP METAL	1/16W 22kΩ-F
R 5X1	103P509O50	CHIP RESISTOR	0Ω(RM1608)
R 5X2	103P509O50	CHIP RESISTOR	0Ω(RM1608)
R 5X3	103P509O50	CHIP RESISTOR	0Ω(RM1608)
R 900	103P488O00	CHIP METAL	1/4W 1Ω-J
R 901	103P488O00	CHIP METAL	1/4W 1Ω-J
R 904	103P400O70	CHIP RESISTOR	1/10W 33Ω-J
R 905	103P400O90	CHIP RESISTOR	1/10W 47Ω-J
R 906	103P475O70	CHIP RESISTOR	1/10W 22kΩ-F
R 907	103P474O10	CHIP RESISTOR	1/10W 4.7kΩ-F
⚠ R 908	109P115O10	CEMENT	10Ω-J
⚠ R 909	109P115O10	CEMENT	10Ω-J
R 915	103P472O50	CHIP RESISTOR	1/10W 1kΩ-F
R 916	103P471O80	CHIP RESISTOR	1/10W 510Ω-F
R 920	103P472O80	CHIP RESISTOR	1/10W 1.3kΩ-F
R 925	103P470O10	CHIP RESISTOR	1/10W 100Ω-F
R 926	103P474O90	CHIP RESISTOR	1/10W 10kΩ-F
R 927	103P473O30	CHIP RESISTOR	1/10W 2.2kΩ-F
R 950	103P477O30	CHIP RESISTOR	1/10W 100kΩ-F
R 951	103P475O70	CHIP RESISTOR	1/10W 22kΩ-F
R 952	103P804O50	CHIP METAL	1W 47kΩ-J
R 953	103P484O10	CHIP METAL	1/4W 22kΩ-J
R 954	103P484O10	CHIP METAL	1/4W 22kΩ-J
R 955	103P484O10	CHIP METAL	1/4W 22kΩ-J
R 956	103P474O90	CHIP RESISTOR	1/10W 10kΩ-F
⚠ R 957	103P752O30	FUSE	1/4W 680Ω-J
R 960	103P483O20	CHIP METAL	1/4W 3.9kΩ-J
R 961	103P480O10	CHIP METAL	1/4W 10Ω-J
R 962	103P483O20	CHIP METAL	1/4W 3.9kΩ-J
⚠ R 963	109D021O60	COMPOSITION	1/2W 2.2MΩ-K
⚠ R 964	109D021O60	COMPOSITION	1/2W 2.2MΩ-K
R 967	103P482O40	CHIP METAL	1/4W 820Ω-J
R 968	103P472O50	CHIP RESISTOR	1/10W 1kΩ-F
R 969	103P474O90	CHIP RESISTOR	1/10W 10kΩ-F

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
R 970	103P801O30	CHIP METAL	1W 100Ω-J
R 971	103P801O30	CHIP METAL	1W 100Ω-J
R 972	103P804O50	CHIP METAL	1W 47kΩ-J
R 9A0	103P481O70	CHIP METAL	1/4W 220Ω-J
R 9A1	103P481O70	CHIP METAL	1/4W 220Ω-J
R 9A3	103P473O30	CHIP RESISTOR	1/10W 2.2kΩ-F
R 9A4	103P474O30	CHIP RESISTOR	1/10W 5.6kΩ-F
R 9A5	103P473O70	CHIP RESISTOR	1/10W 3.3kΩ-F
R 9A6	103P474O30	CHIP RESISTOR	1/10W 5.6kΩ-F
R 9A7	103P473O70	CHIP RESISTOR	1/10W 3.3kΩ-F
R 9A8	103P473O50	CHIP RESISTOR	1/10W 2.7kΩ-F
R 9A9	103P482O60	CHIP METAL	1/4W 1.2kΩ-J
R 9B0	103P474O90	CHIP RESISTOR	1/10W 10kΩ-F
R 9B1	103P474O90	CHIP RESISTOR	1/10W 10kΩ-F
R 9B2	103P482O30	CHIP METAL	1/4W 680Ω-J
R 9B3	103P472O60	CHIP RESISTOR	1/10W 1.1kΩ-F
R 9B4	103P471O00	CHIP RESISTOR	1/10W 240Ω-F
R 9B5	103P474O30	CHIP RESISTOR	1/10W 5.6kΩ-F
R 9B6	103P474O30	CHIP RESISTOR	1/10W 5.6kΩ-F
R 9B7	103P476O70	CHIP RESISTOR	1/10W 56kΩ-F
R 9B8	103P474O10	CHIP RESISTOR	1/10W 4.7kΩ-F
R 9B9	103P474O10	CHIP RESISTOR	1/10W 4.7kΩ-F
R 9C0	103P474O10	CHIP RESISTOR	1/10W 4.7kΩ-F
R 9C1	103P474O10	CHIP RESISTOR	1/10W 4.7kΩ-F
R 9M0	103P477O70	CHIP RESISTOR	1/10W 150kΩ-F
R 9M1	103P477O70	CHIP RESISTOR	1/10W 150kΩ-F
R 9M2	103P476O50	CHIP RESISTOR	1/10W 47kΩ-F
R 9M3	103P474O90	CHIP RESISTOR	1/10W 10kΩ-F
R 9M4	103P473O10	CHIP RESISTOR	1/10W 1.8kΩ-F
R 9M5	103P479O30	CHIP METAL	1/10W 680kΩ-F
R 9M6	103P476O10	CHIP RESISTOR	1/10W 33kΩ-F
R 9M7	103P474O90	CHIP RESISTOR	1/10W 10kΩ-F
R 9M8	103P473O30	CHIP RESISTOR	1/10W 2.2kΩ-F
R 9M9	103P400O10	CHIP RESISTOR	1/10W 10Ω-J
R 9N0	103P477O50	CHIP RESISTOR	1/10W 120kΩ-F
R 9N1	103P475O40	CHIP RESISTOR	1/10W 16kΩ-F
R 9S1	103P472O50	CHIP RESISTOR	1/10W 1kΩ-F
R 9S2	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9S3	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9S4	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9S5	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9S6	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9S7	103P472O50	CHIP RESISTOR	1/10W 1kΩ-F
R 9S8	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9S9	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9T0	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9T1	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9T2	103P470O30	CHIP RESISTOR	1/10W 120Ω-F
R 9T3	103P470O10	CHIP RESISTOR	1/10W 100Ω-F
R 9T4	103P470O10	CHIP RESISTOR	1/10W 100Ω-F
R 9T5	103P470O10	CHIP RESISTOR	1/10W 100Ω-F
R 9T6	103P470O10	CHIP RESISTOR	1/10W 100Ω-F
	CAPACITORS AND TRIMMERS		
C 201	141P144O20	CHIP CAPACITOR	F16V 0.1μF-Z
C 202	141P144O20	CHIP CAPACITOR	F16V 0.1μF-Z
C 203	141P144O20	CHIP CAPACITOR	F16V 0.1μF-Z

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
C 204	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 205	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 206	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 207	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 208	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 209	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 210	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 211	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 212	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 213	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 214	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 215	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 216	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 217	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 218	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 219	154P343050	CHIP CAPACITOR	CH50V 100pF-J
C 220	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 221	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 222	154P340030	CHIP CAPACITOR	CK50V 2P
C 223	154P340030	CHIP CAPACITOR	CK50V 2P
C 224	154P340030	CHIP CAPACITOR	CK50V 2P
C 228	181P520080	CHIP ELECTROLYTIC-C	10V 33μF-M
C 229	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 230	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 231	181P520080	CHIP ELECTROLYTIC-C	10V 33μF-M
C 232	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 235	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 236	181P520080	CHIP ELECTROLYTIC-C	10V 33μF-M
C 237	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 238	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 239	141P135070	CHIP CAPACITOR	F16V 1μF-Z
C 240	181P520080	CHIP ELECTROLYTIC-C	10V 33μF-M
C 241	181P520080	CHIP ELECTROLYTIC-C	10V 33μF-M
C 242	181P520080	CHIP ELECTROLYTIC-C	10V 33μF-M
C 243	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 245	154P343050	CHIP CAPACITOR	CH50V 100pF-J
C 246	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 247	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 248	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 249	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 250	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 251	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 252	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 253	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 254	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 265	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 266	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 2A1	141P143030	CHIP CAPACITOR	B16V 0.1μF-K
C 2A2	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 2A3	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 2A4	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 2A5	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 2A6	181P522030	CHIP ELECTROLYTIC-C	16V 10μF-M
C 2A7	172P392050	CHIP CAPACITOR	16V 0.1μF-J
C 2A8	181P520010	CHIP ELECTROLYTIC-C	6.3V 22μF-M
C 2A9	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 2B0	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 2B1	141P143030	CHIP CAPACITOR	B16V 0.1μF-K
C 2B2	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 2B4	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 2B5	181P520010	CHIP ELECTROLYTIC-C	6.3V 22μF-M
C 2B6	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 2B7	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 2B8	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 2B9	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 2C0	172P392090	CHIP CAPACITOR	16V 0.22μF-J
C 2C1	172P390070	CHIP CAPACITOR	16V 3300pF-J
C 2C2	172P392050	CHIP CAPACITOR	16V 0.1μF-J
C 2C3	172P392050	CHIP CAPACITOR	16V 0.1μF-J
C 2C4	154P341070	CHIP CAPACITOR	CH50V 18pF-J
C 2C5	154P341070	CHIP CAPACITOR	CH50V 18pF-J
C 2C6	172P392050	CHIP CAPACITOR	16V 0.1μF-J
C 2C7	141P143030	CHIP CAPACITOR	B16V 0.1μF-K
C 2C8	141P143030	CHIP CAPACITOR	B16V 0.1μF-K
C 2C9	141P143030	CHIP CAPACITOR	B16V 0.1μF-K
C 2D0	141P143030	CHIP CAPACITOR	B16V 0.1μF-K
C 2D1	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 2D2	181P520010	CHIP ELECTROLYTIC-C	6.3V 22μF-M
C 2D3	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 2D4	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 2D5	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 2D6	181P520010	CHIP ELECTROLYTIC-C	6.3V 22μF-M
C 2D7	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 2D8	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 2D9	181P522060	CHIP ELECTROLYTIC-C	16V 47μF-M
C 2E0	172P390070	CHIP CAPACITOR	16V 3300pF-J
C 2E1	172P392050	CHIP CAPACITOR	16V 0.1μF-J
C 2E2	141P144020	CHIP CAPACITOR	F16V 0.1μF-Z
C 2E3	141P140090	CHIP CAPACITOR	B50V 1000pF-K
C 2N1	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 2N2	181P522060	CHIP ELECTROLYTIC-C	16V 47μF-M
C 2N3	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 2N4	181P520030	CHIP ELECTROLYTIC-C	6.3V 4.7μF-M
C 300	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 301	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 302	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 303	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 304	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 305	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 306	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 307	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 308	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 309	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 310	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 350	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 351	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 352	141P143080	CHIP CAPACITOR	F50V 0.01μF-Z
C 353	181P524090	CHIP ELECTROLYTIC-C	35V 4.7μF-M
C 354	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 355	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 356	141P135060	CHIP CAPACITOR	F16V 2.2μF-Z
C 362	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z
C 363	141P144060	CHIP CAPACITOR	F16/10V 1μF-Z

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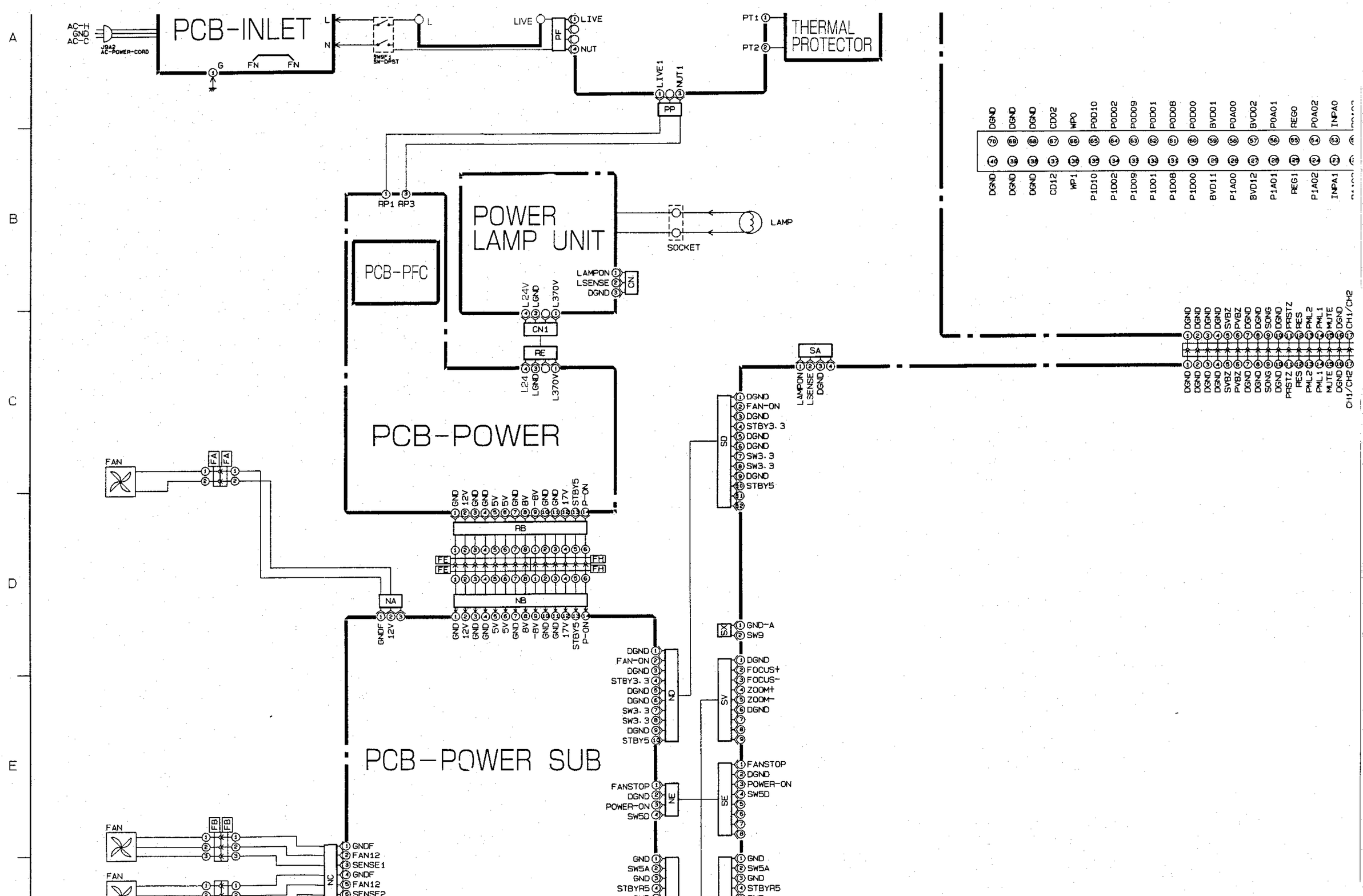
SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
⚠C 900	189P134O80	C-CERAMIC-AC	F VA1 2200pF-M
⚠C 901	189P134O80	C-CERAMIC-AC	F VA1 2200pF-M
C 903	185D127O60	ELECTROLYTIC-C	H450V 330μF-M
C 904	185D127O60	ELECTROLYTIC-C	H450V 330μF-M
C 905	181P525O00	CHIP ELECTROLYTIC-C	04W 35V 10μF-F
C 908	141P135O10	CHIP CAPACITOR	F25V 0.33μF-Z
C 909	141P135O10	CHIP CAPACITOR	F25V 0.33μF-Z
C 951	154P336O70	CHIP CAPACITOR	CH50V/25V 680pF-J
C 952	141P134O10	CHIP CAPACITOR	F50V 0.047μF-Z
C 962	141P139O30	CHIP CAPACITOR	B25V 0.1μF-K
C 974	141P133O80	CHIP CAPACITOR	F50V 0.01μF-Z
C 9A0	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9A1	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9A3	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9A4	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9A7	141P135O70	CHIP CAPACITOR	F16V 1μF-Z
C 9A8	154P336O90	CHIP CAPACITOR	CH50V/25V 1000pF-J
C 9B0	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9B1	141P135O70	CHIP CAPACITOR	F16V 1μF-Z
C 9B2	154P336O90	CHIP CAPACITOR	CH50V/25V 1000pF-J
C 9B4	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9B5	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9B6	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9C0	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9C1	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9C2	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9C3	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9C5	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9C6	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9C9	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9D0	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9D3	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9D4	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9D6	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9D7	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9E0	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9E2	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9E3	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9E6	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
⚠C 9F0	189P186O20	C-CERAMIC-AC	AC250V E4700pF-M
⚠C 9F1	189P183O70	C-M-P-AC	AC125V 0.33μF-M
⚠C 9F2	189P183O80	C-M-P-AC	AC125/250V 0.47M
⚠C 9F3	189P183O70	C-M-P-AC	AC125V 0.33μF-M
⚠C 9F4	189P186O20	C-CERAMIC-AC	AC250V E4700pF-M
⚠C 9F5	189P186O20	C-CERAMIC-AC	AC250V E4700pF-M
C 9M0	154P333O10	CHIP CAPACITOR	CH50V 68pF-J
C 9M1	154P339O30	CHIP CAPACITOR	CH50V 2200pF-J
C 9M2	141P139O30	CHIP CAPACITOR	B25V 0.1μF-K
C 9M3	141P135O80	CHIP CAPACITOR	F25V 0.1μF-Z
C 9M4	181P506O10	CHIP ELECTROLYTIC-C	50V 1μF-M
C 9M5	141P133O80	CHIP CAPACITOR	F50V 0.01μF-Z
C 9M6	141P139O30	CHIP CAPACITOR	B25V 0.1μF-K
C 9M7	154P335O10	CHIP CAPACITOR	CH50V 470pF-J
C 9M8	154P335O10	CHIP CAPACITOR	CH50V 470pF-J
C 9S1	141P133O80	CHIP CAPACITOR	F50V 0.01μF-Z
C 9S3	141P133O80	CHIP CAPACITOR	F50V 0.01μF-Z
C 9S4	141P133O80	CHIP CAPACITOR	F50V 0.01μF-Z

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
C 9S6	141P133O80	CHIP CAPACITOR	F50V 0.01μF-Z
		SWITCHES	
⚠	433C026O20	SEESAW SWITCH	MAIN POWER SW SDDJE3
⚠	439C043O10	MEMBRANE SWITCH	CONTROL SW
S 9E1	434P002O10	LEVER SWITCH	FILTER COVER SENSOR SW
S 9W1	434P002O10	LEVER SWITCH	TOP COVER SENSOR SW
		MISCELLANEOUS	
	499B010O10	LENS GEAR	
⚠	499B007O10	LAMP BOX	
	288P190O10	COOLING FAN	
	499B006O10	LCD BLOCK	
⚠	299P222O10	PROTECTOR	FUSE
	480P036O10	SPEAKER	
⚠	939P701O10	POWER UNIT	HVP2803DD-X1M
⚠	939P703O10	PREAMP UNIT	
⚠AG9F1	224D019O10	AIR GAP	1.5KV+COVER
⚠F 9F1	283D106O90	FUSE	S10A
J 205	440C183O30	PIN JACK(4P)	WHT2,RED2
J 206	451C206O10	JACK	BNC
J 207	451C086O40	JACK PIN	YELLOW
J 208	451C104O10	JACK HEADPHONE	BLACK
J 209	451C104O10	JACK HEADPHONE	BLACK
J 210	449C145O10	SOCKET DIN MINI	
J 211	449C145O10	SOCKET DIN MINI	
⚠J 901	451D081O20	JACK POWER	3P
⚠K 900	287P097O10	RELAY	VS-24MB-NR-VD3
⚠PC950	268P050O10	PHOTO COUPLER	TLP621(GB-LF2)
⚠PC951	268P050O10	PHOTO COUPLER	TLP621(GB-LF2)
⚠RV9F1	265P100O30	VARISTOR	ERZV10D511
X 2A0	285P131O40	CRYSTAL RESONATOR	3.58MHz
X 2A1	285P132O40	CRYSTAL RESONATOR	4.43MHz
⚠Z 950	299P194O20	THERMOSTAT	67L100-S
		PRINTED CIRCUIT BOARD ASSY'S	
⚠	935D401O02	COIL PCB ASSY	
⚠	935C793O01	DECODER PCB ASSY	
⚠	935B235O03	FILTER PCB ASSY	
⚠	935D371O03	INLET PCB ASSY	
⚠	935A077O02	MAIN PCB ASSY	
⚠	935D386O01	MOTOR PCB ASSY	
⚠	935B231O01	PCCARD PCB ASSY	
⚠	935D387O01	PFC PCB ASSY	
⚠	935B233O03	POWER PCB ASSY	
⚠	935B234O01	POWER SUB PCB ASSY	
⚠	935D388O01	POWER SUB 2 PCB ASSY	
⚠	935D389O01	POWER SUB 3 PCB ASSY	
⚠	935B232O02	TERMINAL PCB ASSY	
		MECHANICAL PARTS	
	685D032O20	RETAINING RING	ETW-3
	631D794O10	SCREW	SUS 304-BD
	669D245O10	SCREW	M4X0.7-8
	669D171O70	SCREW	M3X20-0.5
	669D204O90	SCREW	M2.6X6
	669D220O10	SCREW	3X6 46LA005

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION
	669D220040	SCREW	3X12 46LA005
	669D221060	SCREW	4X16 46LA005
	669D212010	SCREW	3X12
		COSMETIC PARTS	
	771B086010	ADJUSTER	
	975D102040	BOTTOM COVER ASSY	
	975D100080	TOP CASE	
	975D100090	TOP COVER ASSY	
	750A283010	FRONT COVER	
	752B038010	COVER FILTER	
	702C954060	DOOR	
	499B004010	FIELD LENS BLOCK	
	640C178010	FILTER	
	752B037010	HANDLE	
	499B008010	LENS UNIT	
	499B009030	LENS COVER	
	499B005030	POLARIZER B	
	499B005020	POLARIZER G	
	499B005010	POLARIZER R	
	761B320010	TERMINAL BOARD	
	750A283040	FRONT CASE UNIT	
		PACKING PARTS AND ACCESSORY	
1	803A487010	PACKING CUSHION	
2	803A488010	PACKING CUSHION	
3	802D277010	PACKING SHEET	
4	831D190090	PACKING SHEET	
5	831D190010	PACKING SHEET	900X900
6	802B621030	PACKING CASE	
7	831C081020	PACKING BAG	
8	831D181020	PACKING BAG	375X250 0.06T
⚠ 9	246C284030	AC POWER CORD	
⚠ 10	246C284040	AC POWER CORD	
11	246C319010	MAC ADAPTER	
12	452D173010	CONNECTOR BNC/RCA	
13	246C318010	CABLE	RGB(15P)
14	246C320010	CABLE	RS232C(9P)
15	246C321010	CABLE	PC(9P)-MAC(8P)
16	939P700010	REMOTE HAND UNIT	
17	871D219030	INSTRUCTION BOOK	

SYMBOL No.	PARTS No.	PARTS NAME	DESCRIPTION

ENGLISH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AC-H
GND
AC-C
J9A2
AC-POWER-CORD
G
FN
FN
L
N
BWSF1
SW-DPST
LIVE
PF
NUT
PT1
PT2
THERMAL
PROTECTOR
LIVE1
NUT1
PP
RP1 RP3
POWER
LAMP UNIT
LAMP
SOCKET
PCB-PFC
LAMPON
LSENSE
DGND
CN
L24V
LGND
L370V
CN1
RE
PCB-POWER
FAN
FA
FB
RB
NA
NB
FE
FH
GNDF
12V
GND
5V
BV
-BV
17V
STBY5
P-ON
PCB-POWER SUB
FAN-ON
STBY3.3
SW3.3
FANSTOP
POWER-ON
SW5D
SW5A
STBYR5
SENSE1
SENSE2
SA
SD
SX
SV
SE
ND
NE
NC
GND-A
SW9
FOCUS+
FOCUS-
ZOOM+
ZOOM-
DGND
CD02
WP0
P0D10
P0D02
P0D09
P0D01
P0D08
P0D00
BVD01
P0A00
BVD02
P0A01
REG0
P0A02
INPA0
CD12
WP1
P1D10
P1D02
P1D09
P1D01
P1D08
P1D00
BVD11
P1A00
BVD12
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REG1
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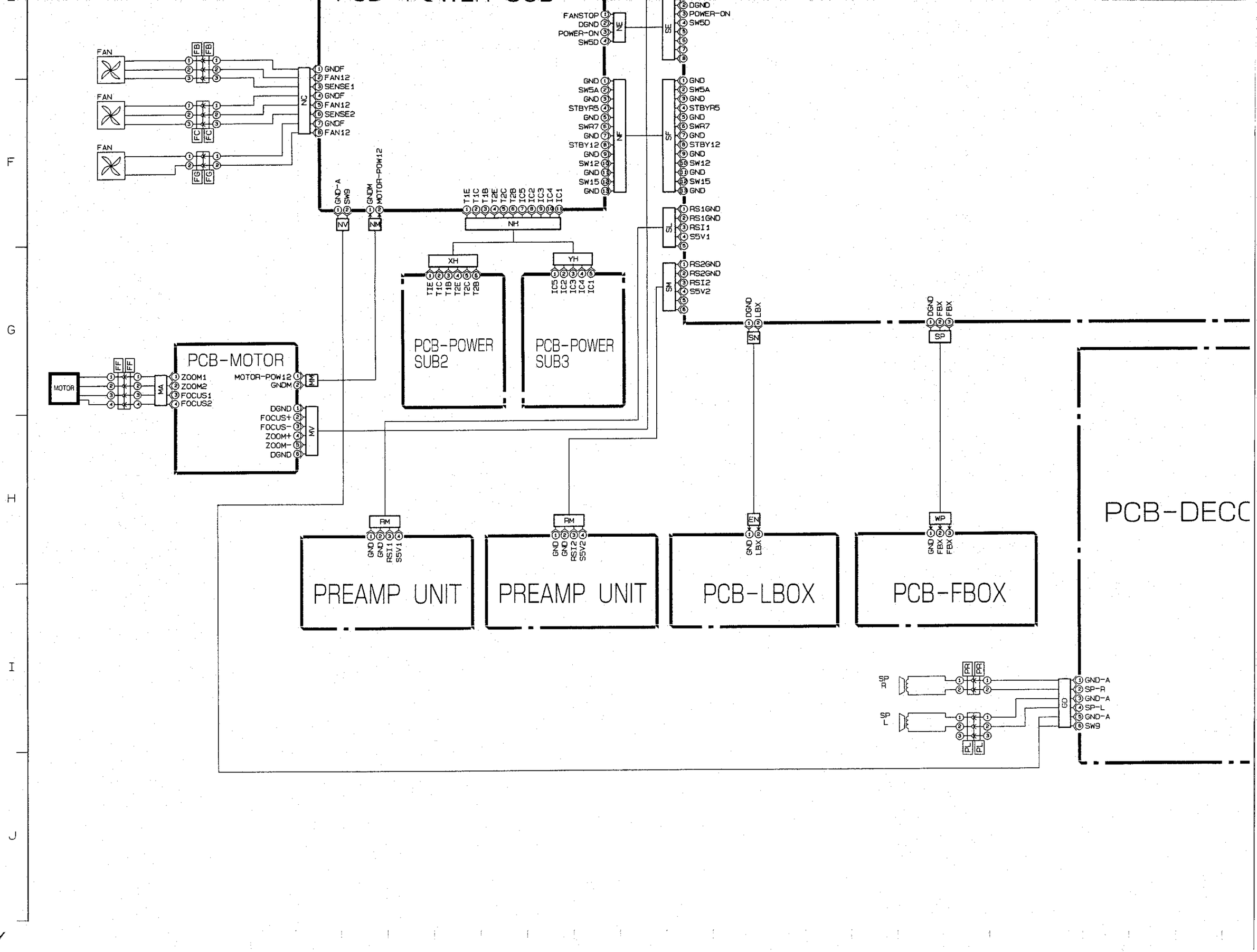
PML2
PML1
MUTE
SONG
CH1/CH2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FAN
FAN
FB
FC
FG
NC
GNDF
FAN12
SENSE1
GNDF
FAN12
SENSE2
GNDF
FAN12
GND-A
SW9
GNDM
MOTOR-POW12
NV
NM
T1E
T1C
T1B
T2E
T2C
T2B
IC5
IC2
IC3
IC4
IC1
NH
XH
YH
PCB-POWER SUB2
PCB-POWER SUB3
FANSTOP
DGND
POWER-ON
SW5D
NE
SE
GND
SW5A
STBYR5
SWR7
STBY12
SW12
SW15
NF
SF
RS1GND
RSI1
S5V1
SL
RS2GND
RSI2
S5V2
SM
DGND
LBX
SN
FBX
SP
PCB-MOTOR
MOTOR
FF
MA
ZOOM1
ZOOM2
FOCUS1
FOCUS2
MOTOR-POW12
GNDM
MM
DGND
FOCUS+
FOCUS-
ZOOM+
ZOOM-
HV
PCB-DECO
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PREAMP UNIT
PCB-LBOX
PCB-FBOX
PM
PN
WP
GND
RSI1
S5V1
RSI2
S5V2
LBX
FBX
SP R
SP L
PR
PL
GD
SP-R
SP-L
SW9

PCB-MAIN

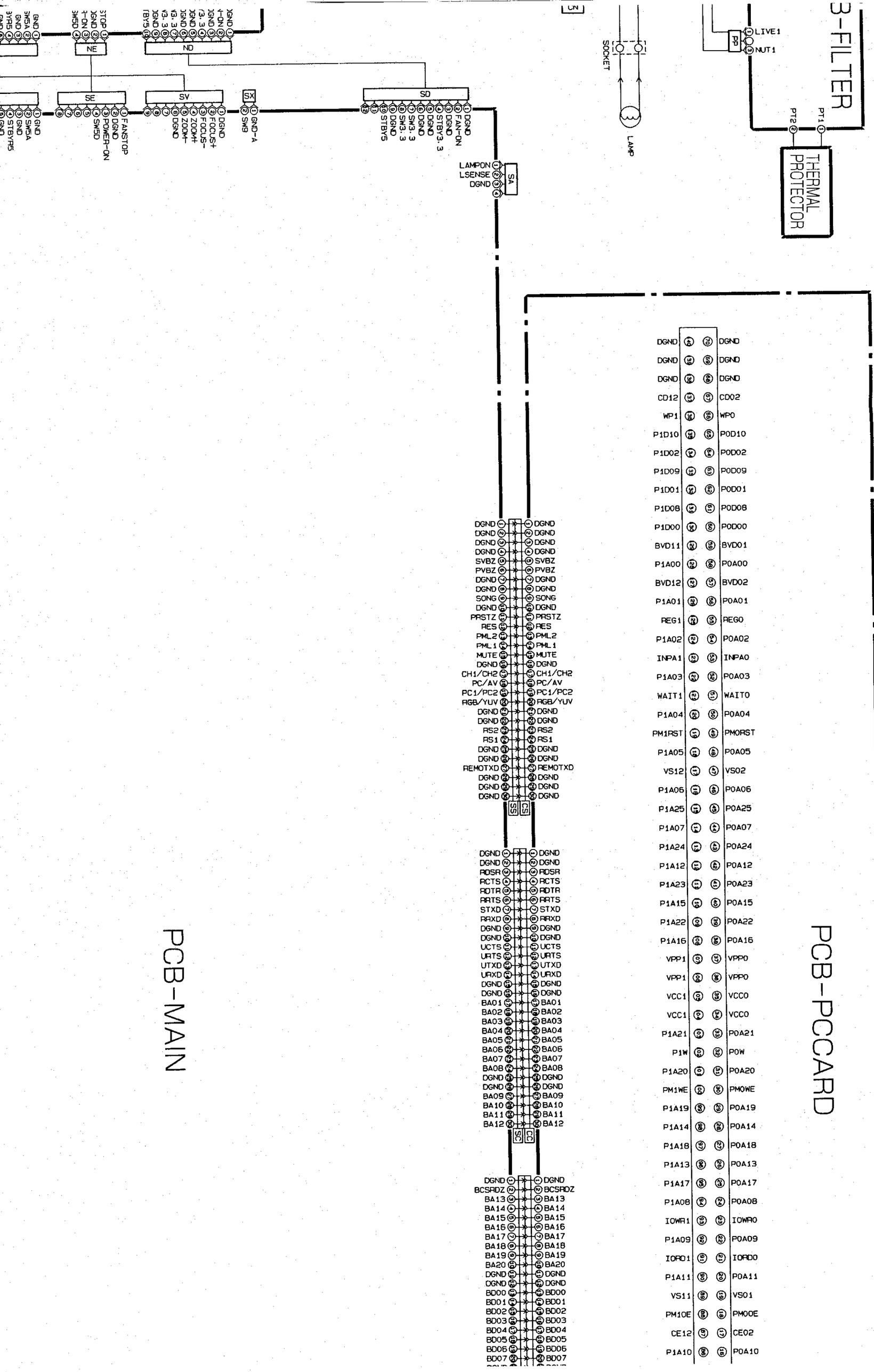
PCB-DECODER

PCB-TERMINAL

UNIT

PCB-LBOX

PCB-FBOX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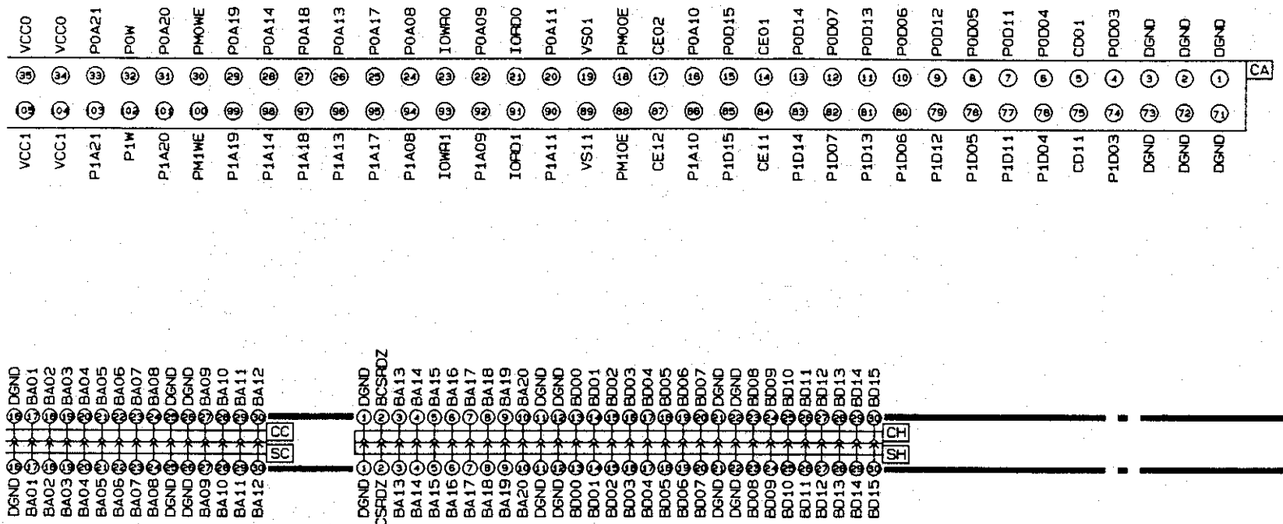
SV
SX
SD
SA
SS
CS
SC
CC
SOCKET
LAMP
PP
LIVE1
NUT1
PT1
PT2
THERMAL PROTECTOR
3-FILTER
LAMPON
LSENSE
DGND
PCB-MAIN
PCB-PCCARD

10 11 12 13 14 15 16

-PCCARD



-MAIN

SCHEMATIC DIAGRAM

MODEL : LVP-X100E

• NOTE

1. DC voltages were measured from points indicated to the circuit ground with a high-Z voltmeter.
2. Waveforms were taken with standard colour bar signal.
3. TP6A, etc. show Test Points.
4. Capacitors

Value	Not indicated	PF, for numbers more than 1 μF, for numbers less than 1	
Dielectric Strength	Not indicated :50V		
Tolerance	Not indicated =±10%	No Tolerance is indicated for electrolytic capacitors and ±20%	
	G=±2% J =±5% K=±10% M=±20%	P=+100% −0% Z=+80% −20%	Q=+30% −10% T=+200% −0%
	C=±0.25PF D=±0.5PF F=±1PF G=±2PF		
Sort	I Parts except for chips	Not indicated : Ceramic capacitor (MF) : Polyester capacitor (PP) : Polypropylene film capacitor (ALM) : Aluminus electrolytic capacitor (TF) : Twin film capacitor (SC) : Semiconductor ceramic capacitor (MP) : Metalized paper (MPP) : Metalized plastic film capacitor (MMF) : Metalized polyester capacitor (MF,PP) : Polyester polypropylence film capacitor (PS) : Styrol capacitor (TAN) or (TANT) : Tantalum capacitor : Electrolytic capacitor (BP) or (NP) : Non polarized electrolytic capacitor	
	II Chips	Not indicated : Ceramic capacitor chip : Electrolytic capacitor (BP) or (NP) : Non polarized electrolytic capacitor chip	
Characteristic (only ceramic capacitor)	Not indicated : F or B(high dielectric percentage) CH,SL,etc. : Temperature compensating types		

5. Resistors

Value	Not indicated = Ω K = kΩ(1000Ω) M = MΩ(1000kΩ)		
Wattage	Parts except for chips	Not indicated = 1/4W or 1/6W	
	Chips	Not indicated = 1/10W	
Tolerance	Not indicated =±5% D=±0.5% F=±1%	J=±5% K=±10%	
Sort	I Parts except for chips	Not indicated : Carbon resistor (S) : Fixed composition resistor (MB) : Metal oxide film resistor(type B) (CE) : Cemented resistor (W) : Wire wound resistor (M) : Metal film resistor (MPC) : Metal plate cement resistor (ML) : Metal liner resistor	
	II Chip	Not indicated : Chip resistor	

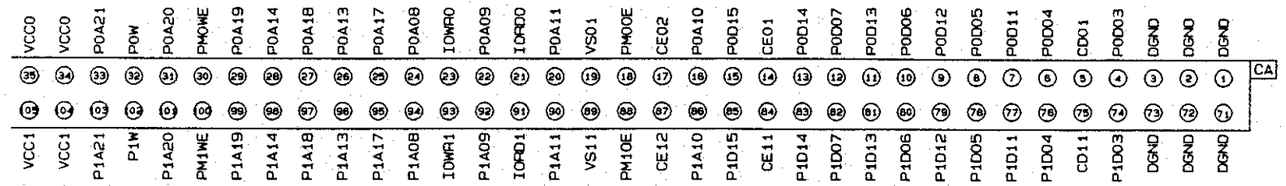
6. This is a basic schematic diagram. Some sets may be subject to modification according to engineering improvement.

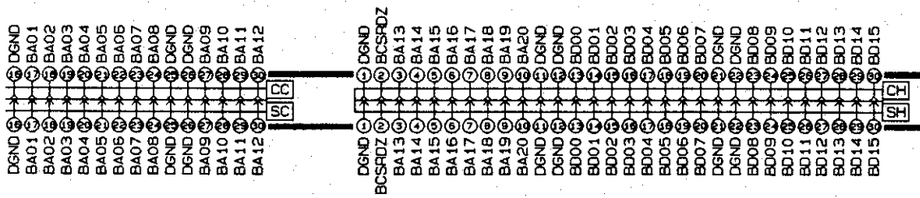
SPECIFIC SYMBOL

Zener Diode	Crystal unit
Varicap	Air Gap

10 11 12 13 14 15 16

-PCCARD





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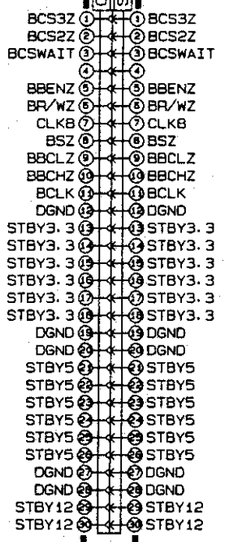
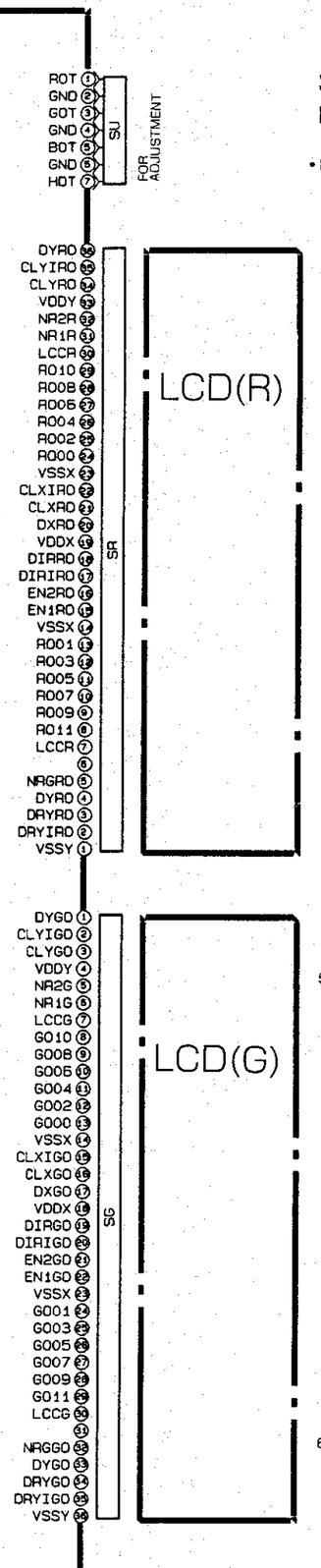




SCHEMATIC DIAGRAM

MODEL : LVP-X100E

• NOTE

1. DC voltages were measured from points indicated to the circuit ground with a high-Z voltmeter.
2. Waveforms were taken with standard colour bar signal.
3. TP6A, etc. show Test Points.
4. Capacitors

Value	Not indicated	PF, for numbers more than 1 μF, for numbers less than 1	
Dielectric Strength	Not indicated :50V		
Tolerance	Not indicated =±10%	No Tolerance is indicated for electrolytic capacitors and ±20%	
	G=±2%	P=+100%	Q=+30% C=±0.25PF
	J=±5%	-0%	-10% D=±0.5PF
	K=±10%	Z=+80%	T=+200% F=±1PF
	M=±20%	-20%	-0% G=±2PF
Sort I Parts except for chips	Not indicated : Ceramic capacitor (MF) : Polyester capacitor (PP) : Polypropylene film capacitor (ALM) : Aluminus electrolytic capacitor (TF) : Twin film capacitor (SC) : Semiconductor ceramic capacitor (MP) : Metalized paper (MPP) : Metalized plastic film capacitor (MMF) : Metalized polyester capacitor (MF,PP) : Polyester polypropylence film capacitor (PS) : Styrol capacitor (TAN) or (TANT) : Tantalum capacitor —‖— : Electrolytic capacitor (BP) or (NP) : Non polarized electrolytic capacitor		
Sort II Chips	Not indicated : Ceramic capacitor chip —‖— : Electrolytic capacitor (BP) or (NP) : Non polarized electrolytic capacitor chip		
Characteristic (only ceramic capacitor)	Not indicated : F or B(high dielectric percentage) CH,SL,etc. : Temperature compensating types		

5. Resistors

Value	Not indicated = Ω K = kΩ(1000Ω) M = MΩ(1000kΩ)	
Wattage	Parts except for chips	Not indicated = 1/4W or 1/6W
	Chips	Not indicated = 1/10W
Tolerance	Not indicated =±5% D=±0.5% J=±5% F=±1% K=±10%	
Sort I Parts except for chips	Not indicated : Carbon resistor (S) : Fixed composition resistor (MB) : Metal oxide film resistor(type B) (CE) : Cemented resistor (W) : Wire wound resistor (M) : Metal film resistor (MPC) : Metal plate cement resistor (ML) : Metal liner resistor	
Sort II Chip	Not indicated : Chip resistor	

6. This is a basic schematic diagram. Some sets may be subject to modification according to engineering improvement.

SPECIFIC SYMBOL

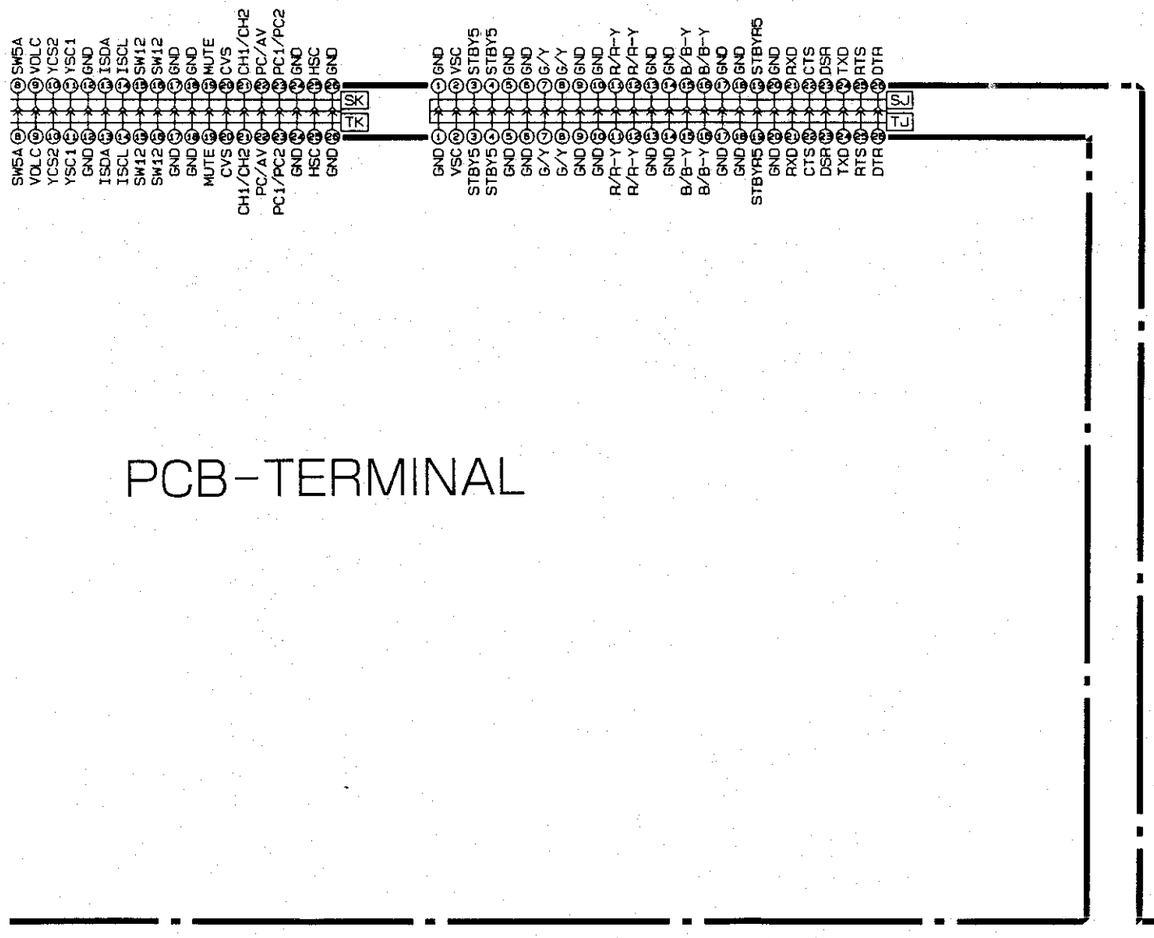
Zener Diode	Crystal unit
Varicap	Air Gap

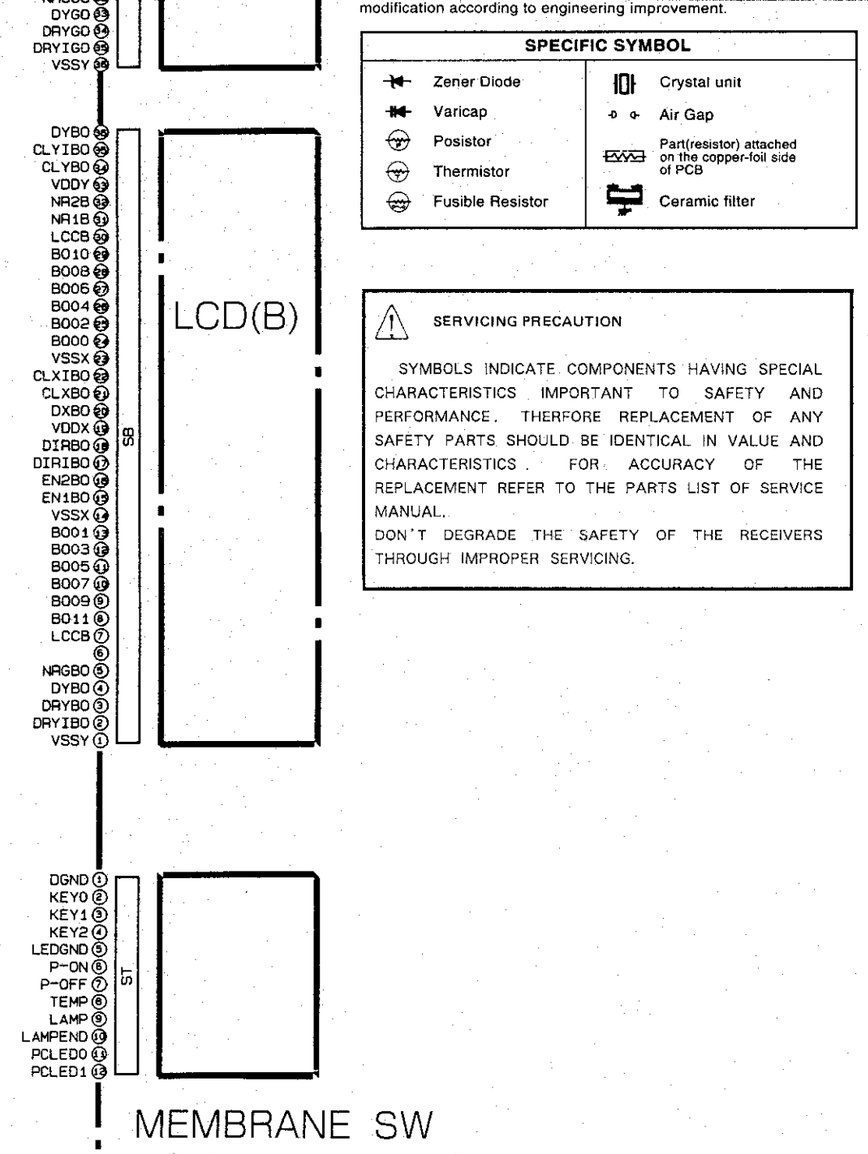
modification according to engineering improvement.

SPECIFIC SYMBOL			
Zener Diode		Crystal unit	
Varicap		Air Gap	
Posistor		Part(resistor) attached on the copper-foil side of PCB	
Thermistor		Ceramic filter	
Fusible Resistor			

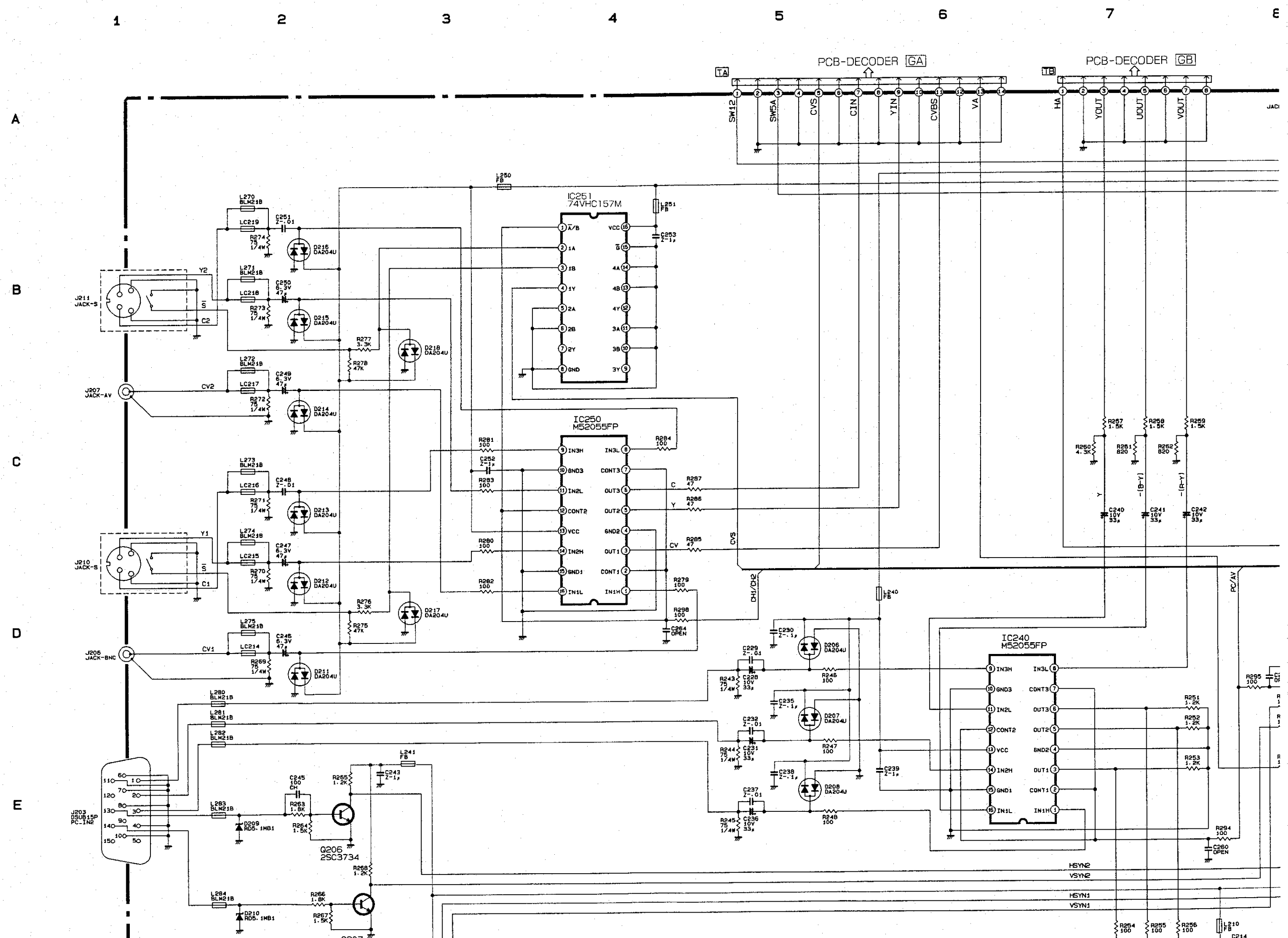
SERVICING PRECAUTION

SYMBOLS INDICATE COMPONENTS HAVING SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY AND PERFORMANCE. THERFORE REPLACEMENT OF ANY SAFETY PARTS SHOULD BE IDENTICAL IN VALUE AND CHARACTERISTICS. FOR ACCURACY OF THE REPLACEMENT REFER TO THE PARTS LIST OF SERVICE MANUAL.
DON'T DEGRADE THE SAFETY OF THE RECEIVERS THROUGH IMPROPER SERVICING.





LVP-X100E CONTENTS


1
2
3
4
5
6
7
8
A
B
C
D
E
PCB-DECODER GA
PCB-DECODER GB
TA
TB
SW12
SW5A
CVS
CIN
YIN
CVBS
VA
HA
YOUT
UOUT
VOUT
IC251
74VHC157M
IC250
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IC240
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J210
JACK-S
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J206
JACK-BNC
J203
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Y2
Y1
CV2
CV1
C2
C1
Q206
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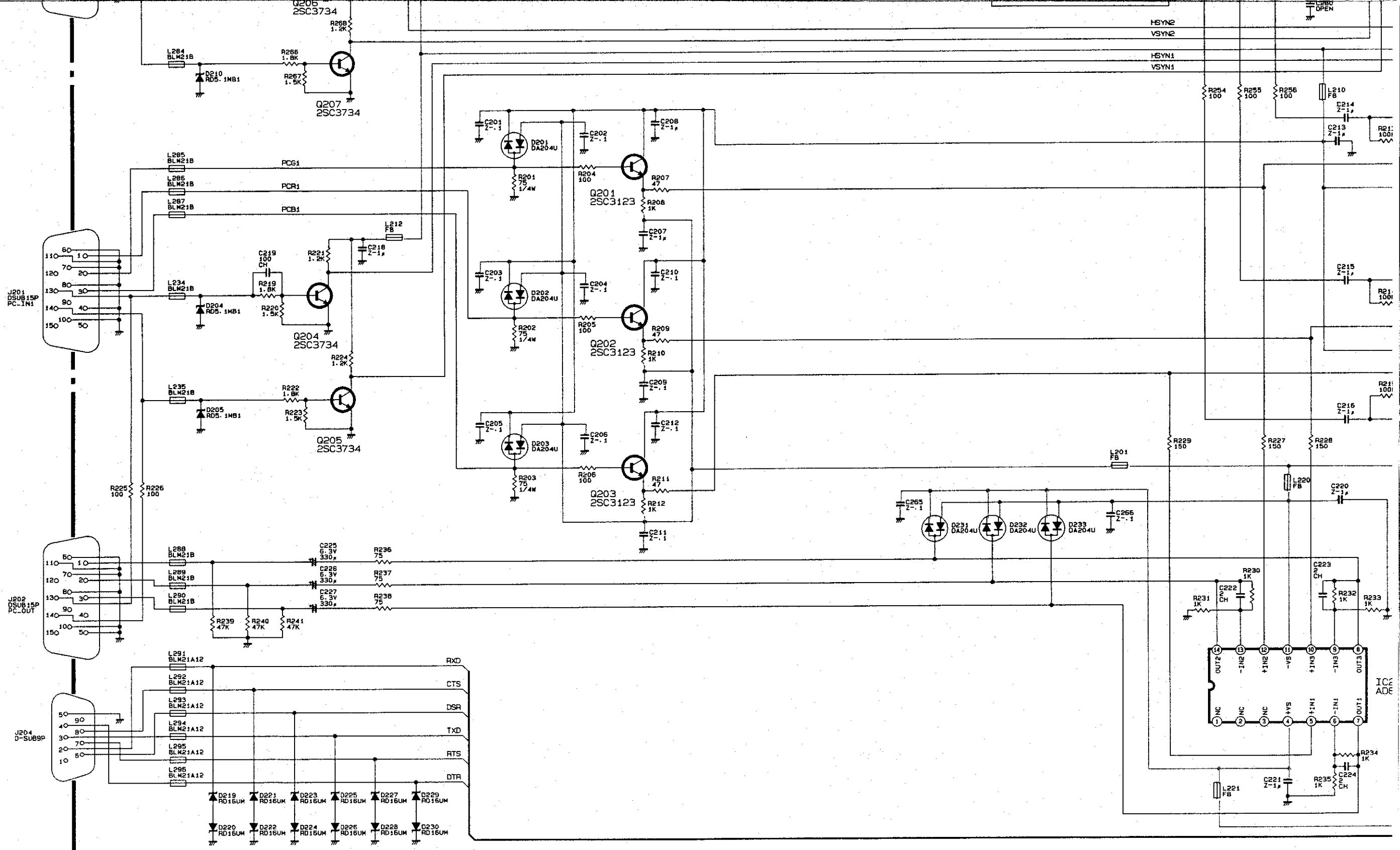
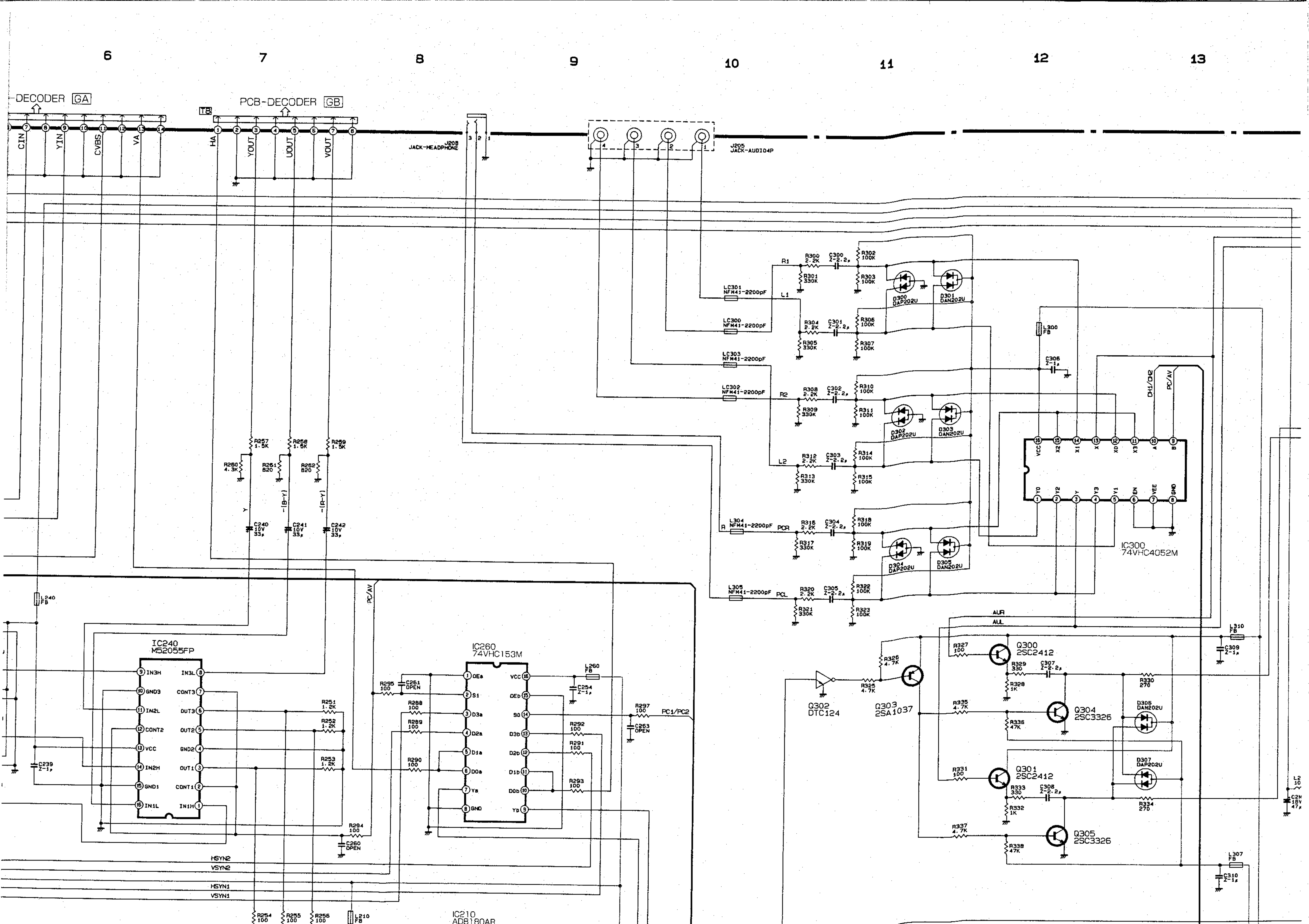
CH1/CH2
PC/AV
HSYN2
VSYN2
HSYN1
VSYN1



PCB-TERMINAL

LVP-X100E CONTENTS



6
7
8
9
10
11
12
13
-DECODER GA
PCB-DECODER GB
TB
CIN
YIN
CVBS
VA
HA
YOUT
UOUT
VOUT
J208
JACK-HEADPHONE
J205
JACK-AUDIO4P
IC300
74VHC4052M
IC260
74VHC153M
IC240
M52055FP
IC210
AD8180AR
Q300
2SC2412
Q301
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Q304
2SC3326
Q305
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Q303
2SA1037
Q302
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D300
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D301
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D302
DAP202U
D303
DAN202U
D304
DAP202U
D305
DAN202U
D306
DAN202U
D307
DAP202U
PC/AV
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AUR
AUL
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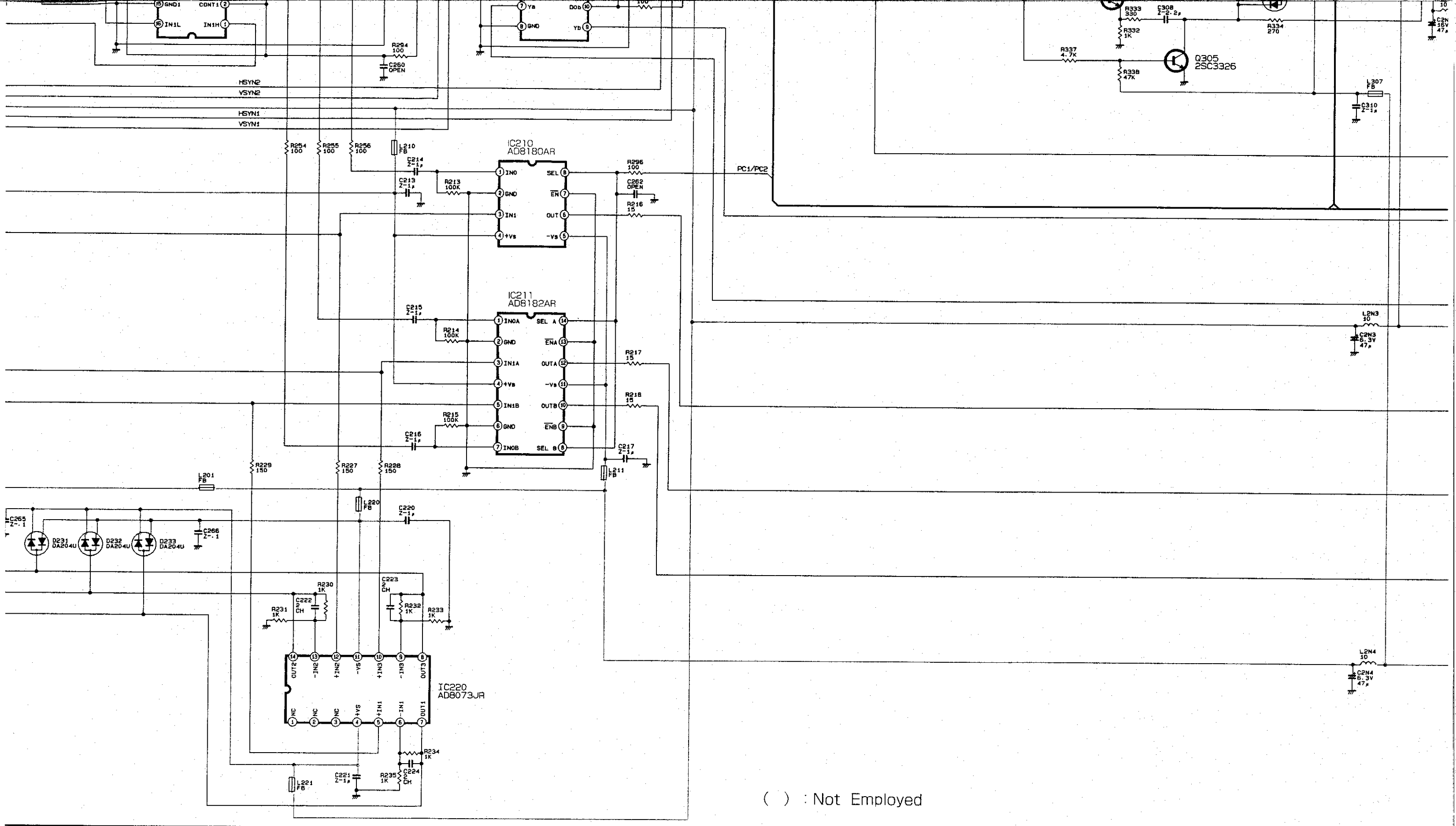
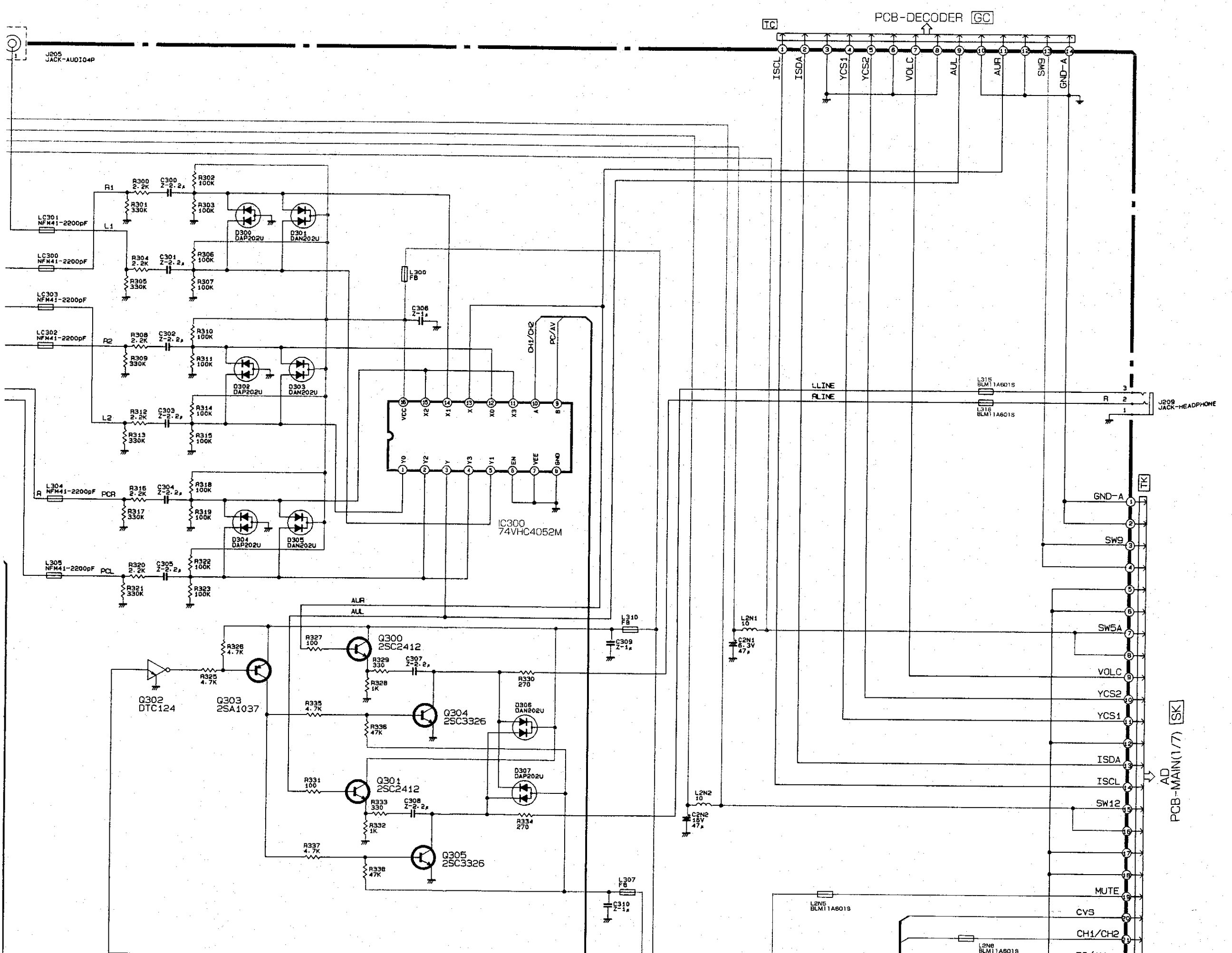
-(R-Y)



( ) : Not Employed

⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫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PCB-DECODER
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ISDA
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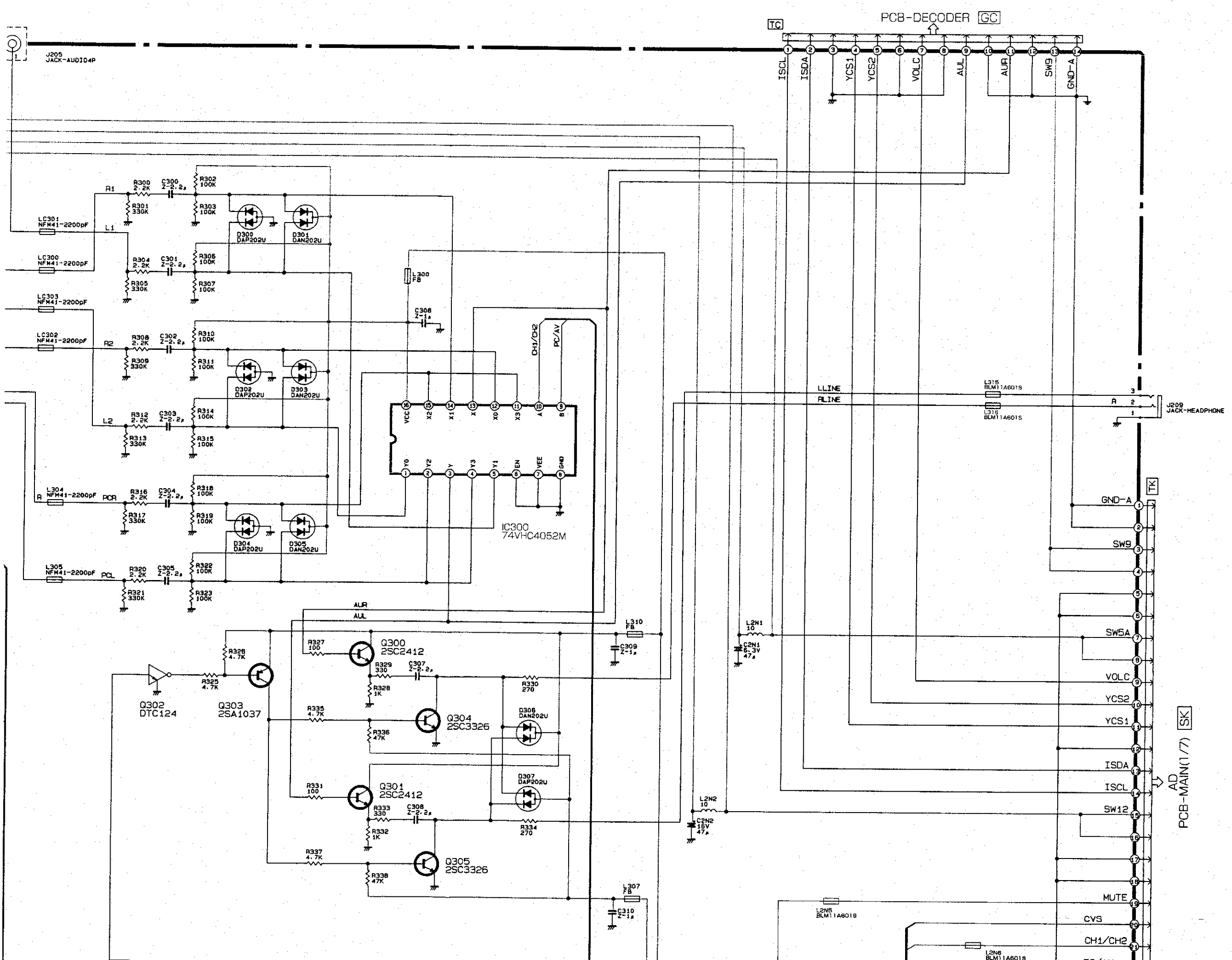
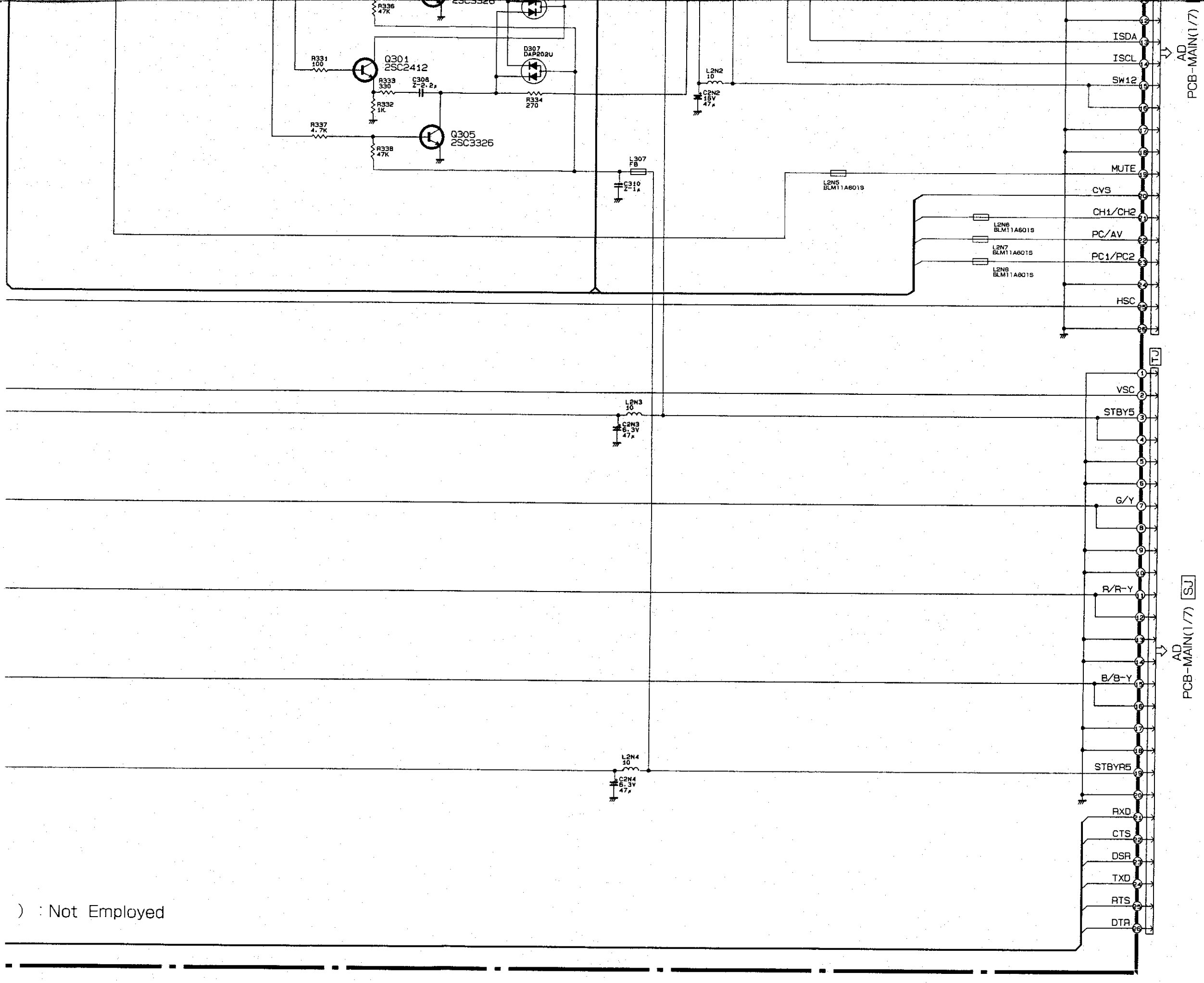
YCS2
VOLC
AUL
AUR
SW9
GND-A
R1
R2
L1
L2
R
PCR
PCL
R300 2.2K
R301 330K
R302 100K
R303 100K
C300 Z-2.2μ
L301 NFM41-2200pF
L300 NFM41-2200pF
L303 NFM41-2200pF
L302 NFM41-2200pF
L304 NFM41-2200pF
L305 NFM41-2200pF
D300 DAP202U
D301 DAN202U
R304 2.2K
R305 330K
R306 100K
R307 100K
C301 Z-2.2μ
L300 FB
C306 Z-1μ
R308 2.2K
R309 330K
R310 100K
R311 100K
C302 Z-2.2μ
D302 DAP202U
D303 DAN202U
R312 2.2K
R313 330K
R314 100K
R315 100K
C303 Z-2.2μ
R316 2.2K
R317 330K
R318 100K
R319 100K
C304 Z-2.2μ
D304 DAP202U
D305 DAN202U
R320 2.2K
R321 330K
R322 100K
R323 100K
C305 Z-2.2μ
CH1/CH2
PC/AV
VCC X2 X1 X X0 X3 A B
Y0 Y2 Y Y3 Y1 EN VEE GND
IC300
74VHC4052M
ALUR
ALUL
Q300 2SC2412
Q301 2SC2412
Q302 DTC124
Q303 2SA1037
Q304 2SC3326
Q305 2SC3326
R326 4.7K
R325 4.7K
R327 100
R328 1K
R329 330
C307 Z-2.2μ
R330 270
R331 100
R332 1K
R333 330
C308 Z-2.2μ
R334 270
R335 4.7K
R336 47K
R337 4.7K
R338 47K
D306 DAN202U
D307 DAP202U
L310 FB
C309 Z-1μ
L307 FB
C310 Z-1μ
L2N1 10
C2N1 6.3V 47μ
L2N2 10
C2N2 16V 47μ
L2N5 BLM11A601S
L2N6 BLM11A601S
LLINE
RLINE
L315 BLM11A601S
L316 BLM11A601S
J209
JACK-HEADPHONE
GND-A
SW9
SW5A
VOLC
YCS2
YCS1
ISDA
ISCL
SW12
MUTE
CVS
CH1/CH2
TK
SK
AD
PCB-MAIN(1/7)


PCB-DECODER GC
TC
J205
JACK-AUDIO4P
ISCL
ISDA
YCS1
YCS2
VOLC
AUL
AUR
SW9
GND-A
R1
R2
L1
L2
R
PCR
PCL
R300 2.2K
R301 330K
R302 100K
R303 100K
C300 Z-2.2μ
D300 DAP202U
D301 DAN202U
LC301 NFM41-2200pF
LC300 NFM41-2200pF
R304 2.2K
R305 330K
R306 100K
R307 100K
C301 Z-2.2μ
LC303 NFM41-2200pF
LC302 NFM41-2200pF
R308 2.2K
R309 330K
R310 100K
R311 100K
C302 Z-2.2μ
D302 DAP202U
D303 DAN202U
R312 2.2K
R313 330K
R314 100K
R315 100K
C303 Z-2.2μ
L304 NFM41-2200pF
R316 2.2K
R317 330K
R318 100K
R319 100K
C304 Z-2.2μ
D304 DAP202U
D305 DAN202U
L305 NFM41-2200pF
R320 2.2K
R321 330K
R322 100K
R323 100K
C305 Z-2.2μ
L300 FB
C308 Z-1μ
CH1/CH2
PC/AV
VCC
X2
X1
X
X0
X3
A
B
Y0
Y2
Y
Y3
Y1
EN
VEE
GND
IC300
74VHC4052M
AUR
AUL
L310 FB
C309 Z-1μ
R326 4.7K
R325 4.7K
Q302 DTC124
Q303 2SA1037
R327 100
R329 330
R328 1K
C307 Z-2.2μ
Q300 2SC2412
R330 270
R335 4.7K
R336 47K
Q304 2SC3326
D306 DAN202U
R331 100
R333 330
R332 1K
C308 Z-2.2μ
Q301 2SC2412
D307 DAP202U
R334 270
R337 4.7K
R338 47K
Q305 2SC3326
L307 FB
C310 Z-1μ
LLINE
RLINE
L315 BLM11A601S
L316 BLM11A601S
J209 JACK-HEADPHONE
L2N1 10
C2N1 6.3V 47μ
L2N2 10
C2N2 16V 47μ
L2N5 BLM11A601S
L2N6 BLM11A601S
TK
GND-A
SW9
SW5A
VOLC
YCS2
YCS1
ISDA
ISCL
SW12
MUTE
CVS
CH1/CH2
SK
AD
PCB-MAIN(1/7)



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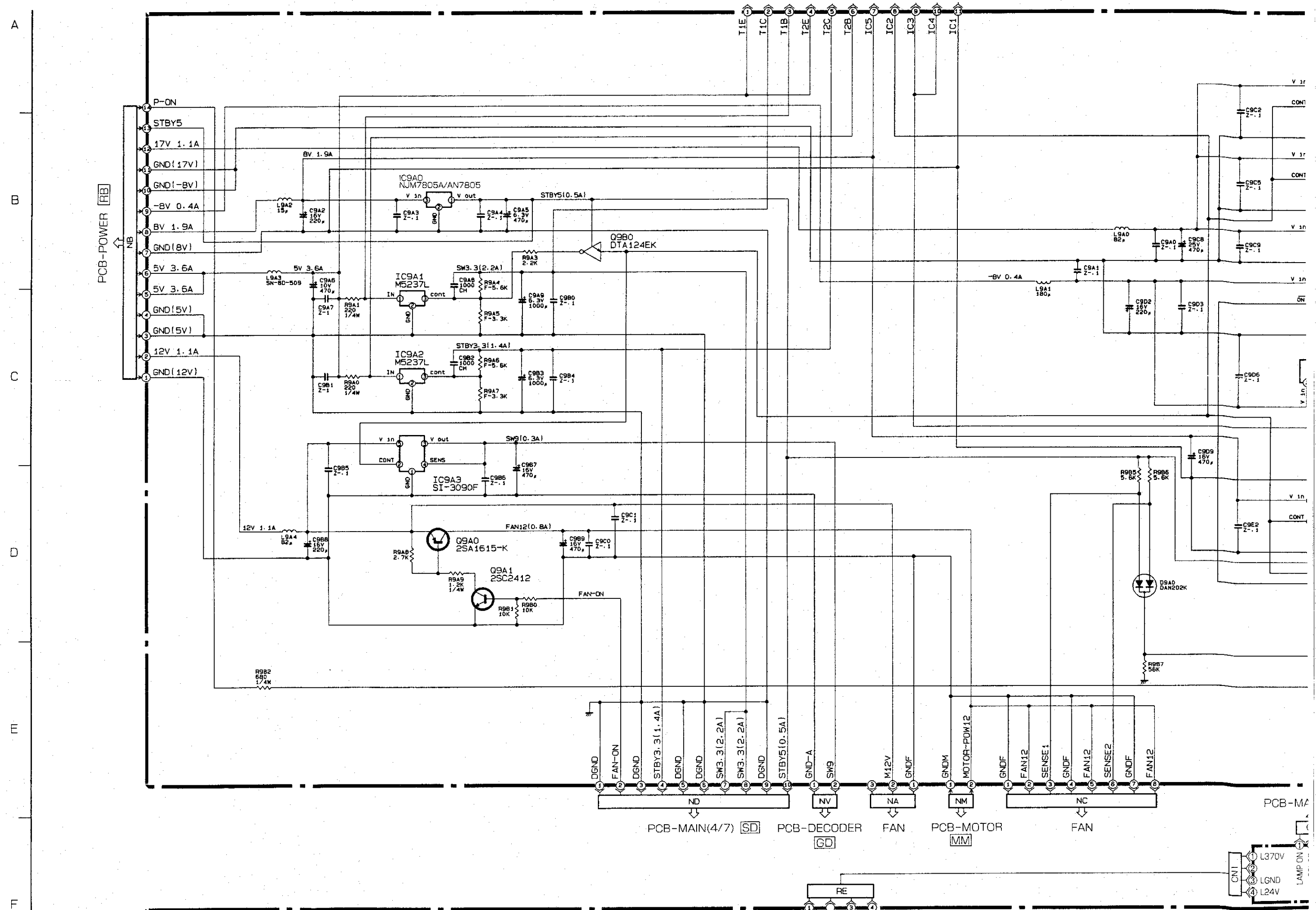
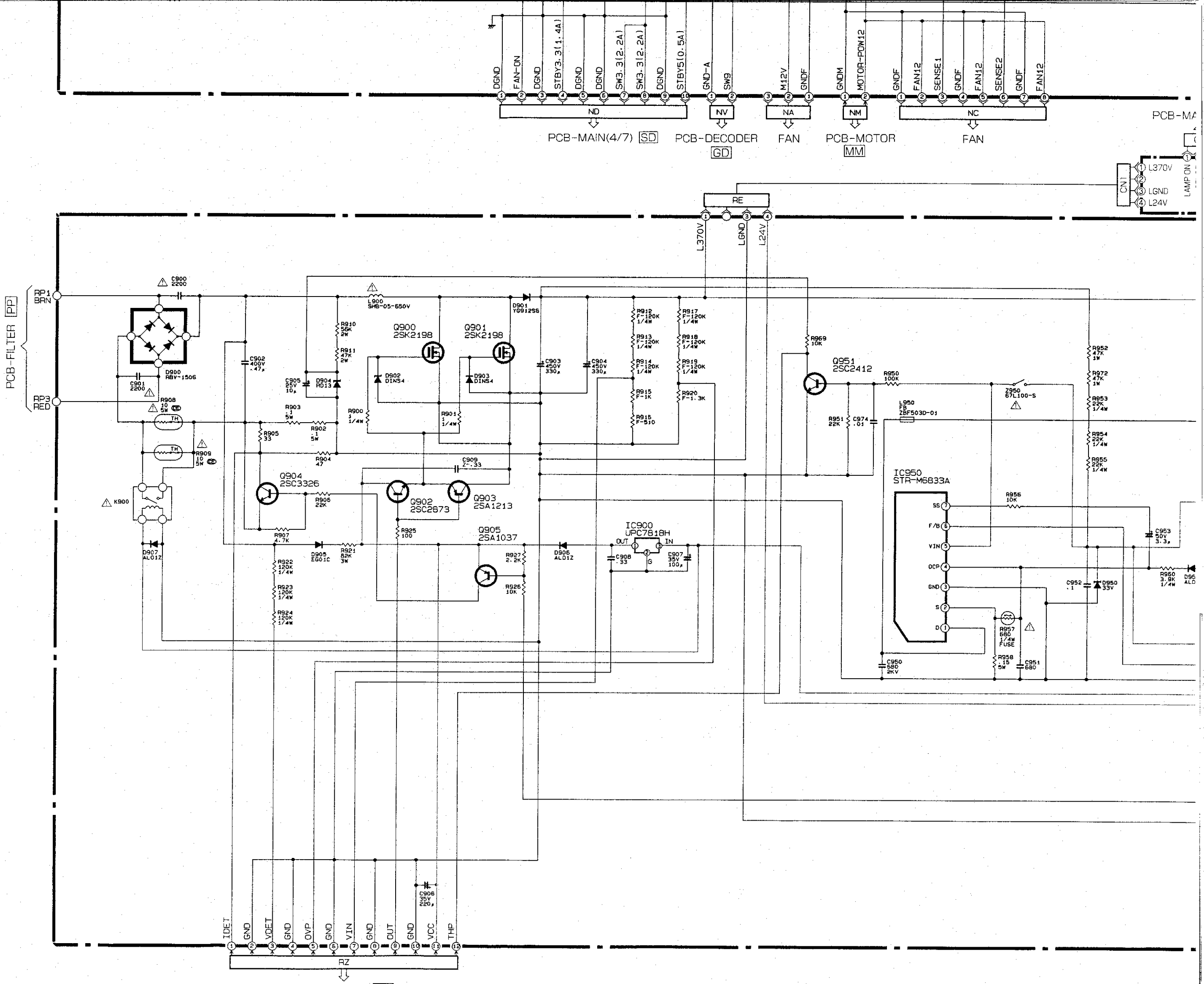

P-ON
STBY5
17V 1.1A
GND(17V)
GND(-8V)
-8V 0.4A
8V 1.9A
GND(8V)
5V 3.6A
5V 3.6A
GND(5V)
GND(5V)
12V 1.1A
GND(12V)
PCB-POWER RB
NB
8V 1.9A
IC9A0
NJM7805A/AN7805
V in
V out
GND
STBY5(0.5A)
L9A2 15μ
C9A2 16V 220μ
C9A3 Z-.1
C9A4 Z-.1
C9A5 6.3V 470μ
Q9B0
DTA124EK
R9A3 2.2K
5V 3.6A
L9A3 SN-BD-509
C9A6 10V 470μ
C9A7 Z-.1
R9A1 220 1/4W
IC9A1
M5237L
IN
cont
GND
SW3.3(2.2A)
C9A8 1000 CH
R9A4 F-5.6K
R9A5 F-3.3K
C9A9 6.3V 1000μ
C9B0 Z-.1
STBY3.3(1.4A)
C9B1 Z-1
R9A0 220 1/4W
IC9A2
M5237L
C9B2 1000 CH
R9A6 F-5.6K
R9A7 F-3.3K
C9B3 6.3V 1000μ
C9B4 Z-.1
SW9(0.3A)
CONT
SENS
IC9A3
SI-3090F
C9B5 Z-.1
C9B6 Z-.1
C9B7 16V 470μ
12V 1.1A
L9A4 82μ
C9B8 16V 220μ
FAN12(0.8A)
C9C1 Z-.1
C9B9 16V 470μ
C9C0 Z-.1
Q9A0
2SA1615-K
Q9A1
2SC2412
R9A8 2.7K
R9A9 1.2K 1/4W
R9B1 10K
R9B0 10K
FAN-ON
R9B2 680 1/4W
T1E
T1C
T1B
T2E
T2C
T2B
IC5
IC2
IC3
IC4
IC1
L9A0 82μ
C9A0 Z-.1
C9C8 25V 470μ
C9C9 Z-.1
-8V 0.4A
L9A1 180μ
C9A1 Z-.1
C9D2 16V 220μ
C9D3 Z-.1
C9C2 Z-.1
C9C5 Z-.1
C9D6 Z-.1
C9D9 16V 470μ
C9E2 Z-.1
R9B5 5.6K
R9B6 5.6K
D9A0 DAN202K
R9B7 56K
DGND
FAN-ON
DGND
STBY3.3(1.4A)
DGND
DGND
SW3.3(2.2A)
SW3.3(2.2A)
DGND
STBY5(0.5A)
GND-A
SW9
M12V
GNDF
GNDM
MOTOR-POW12
GNDF
FAN12
SENSE1
GNDF
FAN12
SENSE2
GNDF
FAN12
ND
NV
NA
NM
NC
PCB-MAIN(4/7) SD
PCB-DECODER GD
FAN
PCB-MOTOR MM
FAN
PCB-MA
CN1
L370V
LGND
L24V
LAMP ON
RE


DGND
FAN-ON
DGND
STBY3.3(1.4A)
DGND
DGND
SW3.3(2.2A)
SW3.3(2.2A)
DGND
STBY5(0.5A)
GND-A
SW9
M12V
GNDF
GNDM
MOTOR-POW12
GNDF
FAN12
SENSE1
GNDF
FAN12
SENSE2
GNDF
FAN12
ND
NV
NA
NM
NC
PCB-MAIN(4/7) SD
PCB-DECODER GD
FAN
PCB-MOTOR MM
FAN
PCB-MA
CN1
L370V
LGND
L24V
LAMP ON
RE
L370V
LGND
L24V
PCB-FILTER PP
RP1 BRN
RP3 RED
C900 2200
D900 RBV-1506
C901 2200
R908 10 5W
R909 10 5W
K900
C902 400V .47μ
L900 SMB-05-650V
D901 YG912S6
R910 56K 2W
R911 47K 2W
C905 25V 10μ
D904 RD13
R903 .1 5W
R902 .1 5W
R905 33
R904 47
R900 1 1/4W
R901 1 1/4W
Q900 2SK2198
Q901 2SK2198
D902 DIN54
D903 DIN54
C903 450V 330μ
C904 450V 330μ
R912 F-120K 1/4W
R913 F-120K 1/4W
R914 F-120K 1/4W
R915 F-1K
R916 F-510
R917 F-120K 1/4W
R918 F-120K 1/4W
R919 F-120K 1/4W
R920 F-1.3K
C909 Z-.33
Q904 2SC3326
R906 22K
Q902 2SC2873
Q903 2SA1213
R907 4.7K
D907 ALO1Z
D905 EG01C
R921 82K 3W
R925 100
Q905 2SA1037
R927 2.2K
R926 10K
D906 ALO1Z
R922 120K 1/4W
R923 120K 1/4W
R924 120K 1/4W
IC900 UPC7818H
OUT
IN
G
C908 .33
C907 35V 100μ
R969 10K
Q951 2SC2412
R950 100K
R951 22K
C974 .01
L950 FB ZBF503D-01
Z950 67L100-S
R952 47K 1W
R972 47K 1W
R953 22K 1/4W
R954 22K 1/4W
R955 22K 1/4W
IC950 STR-M6833A
SS
F/B
VIN
OCP
GND
S
D
R956 10K
C953 50V 3.3μ
R960 3.9K 1/4W
D96 ALO
C952 .1
D950 33V
R957 680 1/4W FUSE
R958 .15 5W
C950 680 2KV
C951 680
C906 35V 220μ
IDET
GND
VDET
GND
OVP
GND
VIN
GND
OUT
GND
VCC
THP
RZ

⚠ PCB-POWER SUB

PCB-POWER SUB2 XH (①~⑥), PCB-POWER SUB3 YH (⑦~⑪)

NH

T1E T1C T1B T2E T2C T2B IC5 IC2 IC3 IC4 IC1

IC9A4 SI-3150FA — V in, V out, CONT, SENS, GND — SW15(0.5A)

IC9A5 SI-3120F — V in, V out, CONT, SENS, GND — SW12(0.4A)

IC9A6 NJM7812FA — V in, V out, GND — STBY12(0.2A)

IC9A7 LM2991T — V in, V out, ON, ADJ, GND — SW(-7)(0.25A)

IC9A8 NJM79L05A — COM, V in, V out — STBY(-5)(0.1A)

IC9A9 SI-3050C — V in, V out, CONT, SENS, GND — SW5D(0.2A)

SW5A(1.2A)

Q9B0 DTA124EK

-8V 0.4A

D9A0 DAN202K

Q9B1 DTA124EK

Q9A2 2SC2412

STBY5

GND(SW15) SW15 GND(SW15) SW12 GND(SW12) STBY12 GND(STBY12) SWR7 GND(R5) STBYR5 GND(R5) SW5A GND(SW5A) — NF → PCB-MAIN(4/7) SF

SW5D POWER-ON GND(SW5D) FANSTOP — NE → PCB-MAIN(4/7) SE

FAN-ON DGND STBY3.3(1.4A) DGND DGND SW3.3(2.2A) SW3.3(2.2A) DGND STBY5(0.5A) GND-A SW9 M12V GNDF GNDM MOTOR-POW12 GNDF FAN12 SENSE1 GNDF FAN12 SENSE2 GNDF FAN12

ND → PCB-MAIN(4/7) SD

NV → PCB-DECODER GD

NA → FAN

NM → PCB-MOTOR MM

NC → FAN

PCB-MAIN(4/7) SA

CN — L370V, P-ON, SENSE, GND — POWER

PCB-POWER SUB NM

MOTOR-POW12 GNDM

IC9S1 LB1641 FOCUS MOTOR DRIVE

GND OUT1 P1 Vz IN1 IN2 Vcc1 Vcc2 P2

D9S1 5.1V

⚠ PCB-POWER SUB2

Q9C0 2SA1291-S Q9C1 2SA1291-S

T1E T1C T1B T2E T2C T2B

XH → PCB-POWER SUB NH

PCB-PC

PCB-MAIN(4/7) SD

PCB-DECODER GD

FAN

PCB-MOTOR MM

FAN

PCB-MAIN(4/7) SA

PCB-POWER SUB NH

PCB-PC

POWER LAMP UNIT

SOCKET

LAMP

PCB-POWER

PCB-POWER SUB NB

PCB-LBOX

PCB-MAIN(4/7) SN

LIVE

COLD

( ) : Not Employed

9 | 10 | 11 | 12 | 13 | 14 | 15 | 16

3-POWER SUB

SW15(0.5A)
C9C4 25V 470μ
C9C3 Z-.1
GND(SW15) 13
SW15 14
SW12(0.4A)
C9C7 16V 220μ
C9C6 Z-.1
GND(SW15) 11
SW12 10
GND(SW12) 9
STBY12(0.2A)
C9D1 16V 220μ
C9D0 Z-.1
STBY12 8
GND(STBY12) 7
NF
SW1-7(0.25A)
SWR7 6
R983 F-1.1K
C9D4 Z-.1
C9D5 10V 470μ
R984 F-240
GND(R5) 5
STBYR5 4
GND(R5) 3
SW5A 2
C9D8 10V 470μ
C9D7 Z-.1
GND(SW5A) 1
STBY(-5)(0.1A)
SW5A(1.2A)
C9E1 6.3V 1000μ
SW5D(0.2A)
C9E4 10V 470μ
C9E3 Z-.1
R989 4.7K
R9C0 4.7K
R9C1 4.7K
Q9A2 2SC2412
SW5D 4
POWER-ON 3
GND(SW5D) 2
FANSTOP 1
NE
PCB-MAIN(4/7) SE
PCB-MAIN(4/7) SF

PCB-POWER SUB NM
MM
MOTOR-POW12 1
GNDM 2

IC9S1
LB1641
FOCUS MOTOR DRIVE
GND OUT1 P1 Vz IN1 IN2 Vcc1 Vcc2 P2 OUT2
C9S1 Z-.01
C9S3 Z-.01
R9S2 120
R9S3 120
R9S4 120
R9S5 120
R9S6 120
C9S2 16V 470μ
R9S1 1K
D9S1 5.1V
R9T3 100
R9T4 100

C9S0 16V 470μ

IC9S2
LB1641
ZOOM MOTOR DRIVE
GND OUT1 P1 Vz IN1 IN2 Vcc1 Vcc2 P2 OUT2
C9S4 Z-.01
C9S6 Z-.01
R9T5 100
R9T6 100
R9S8 120
R9S9 120
R9T0 120
R9T1 120
R9T2 120
C9S5 16V 470μ
R9S7 1K
D9S2 5.1V

FOCUS2 4
FOCUS1 3
ZOOM2 2
ZOOM1 1
MA
MOTOR

GND 6
ZOOM- 5
ZOOM+ 4
FOCUS- 3
FOCUS+ 2
GND 1
MV
PCB-MAIN(4/7) SV

⚠ PCB-POWER SUB2

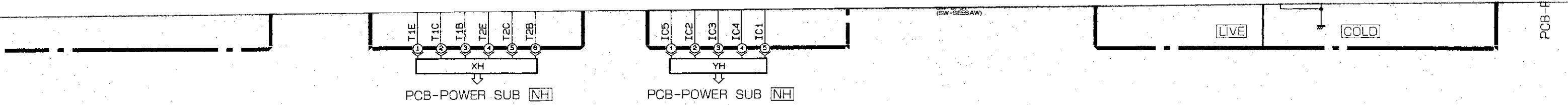
Q9C0 2SA1291-S
Q9C1 2SA1291-S
T1E T1C T1B T2E T2C T2B
1 2 3 4 5 6
XH
PCB-POWER SUB NH

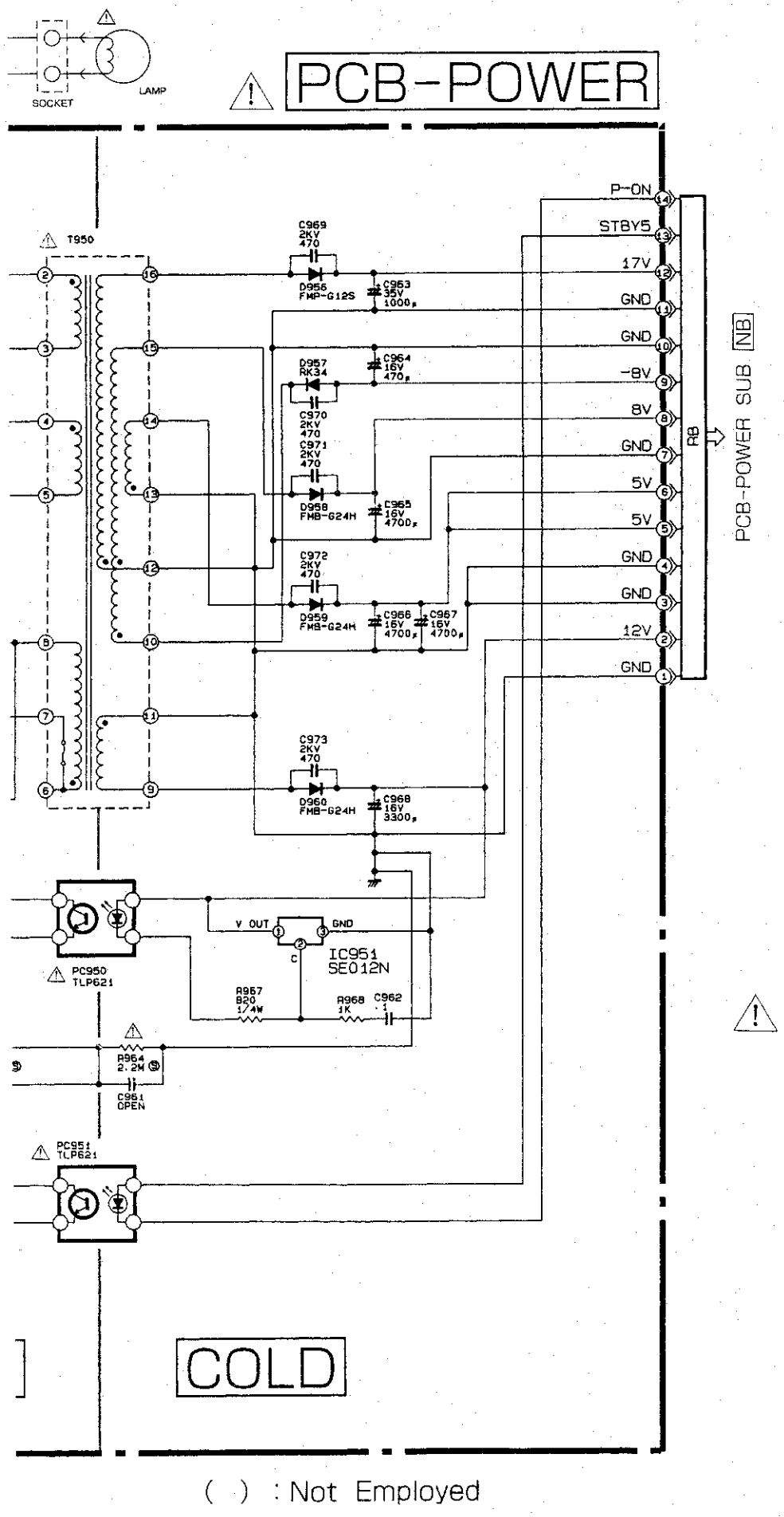
⚠ PCB-POWER SUB3

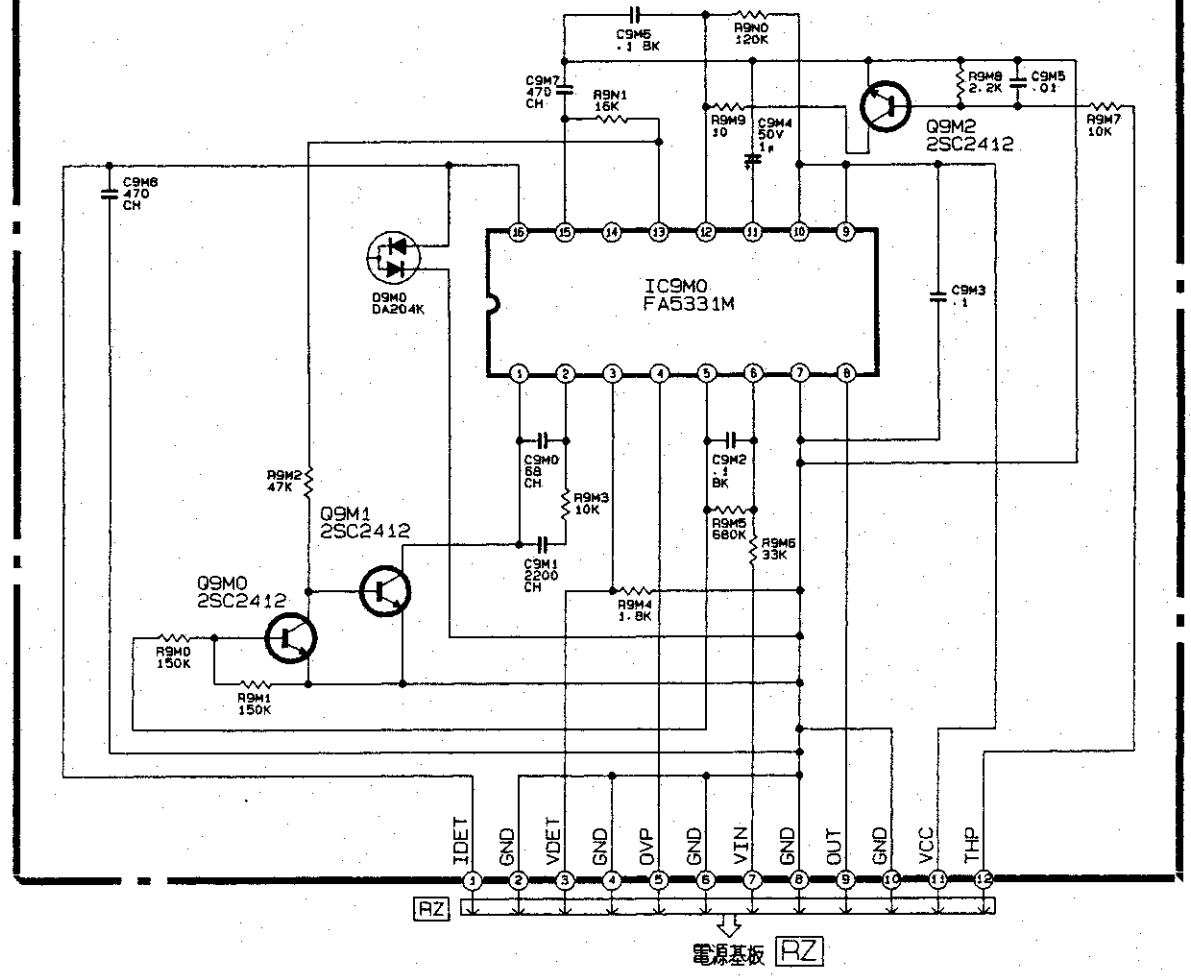
IC9B0
SI-3050C
V in V out CONT SENS GND
C9E6 Z-.1
C9E0 Z-.1
IC5 IC2 IC3 IC4 IC1
1 2 3 4 5
YH
PCB-POWER SUB NH

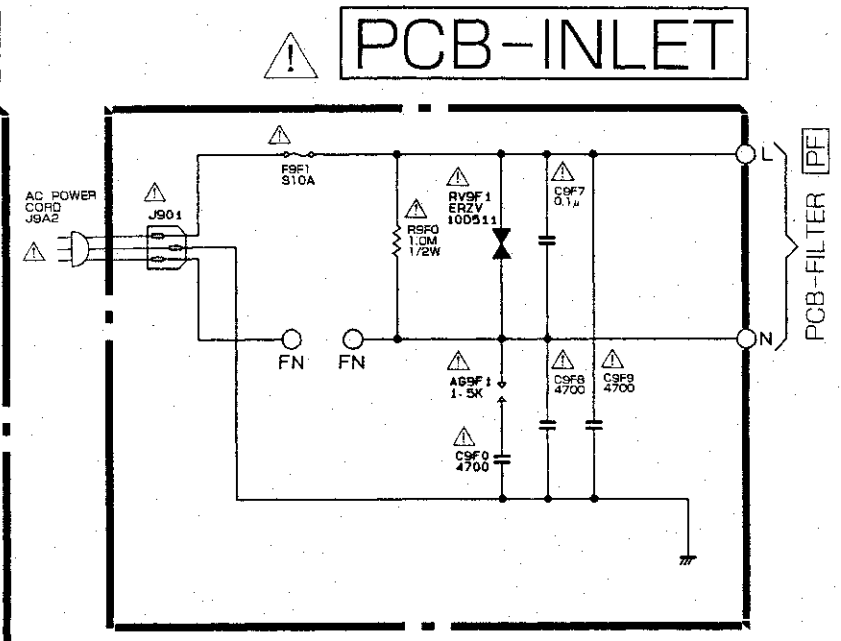
⚠ PCB-FILTER

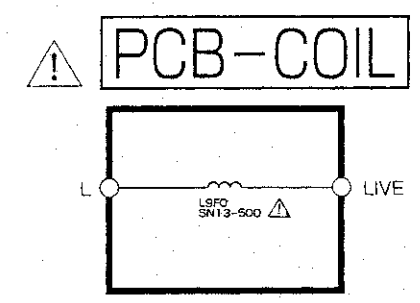
THERMAL PROTECTOR
PT1 PT2
PCB-COIL
PCB-INLET
L
N
SW9F1
SW-DPST
(SW-SEESAW)
LIVE
NUT
PF
L9F1 SC-05-100JV
L9F2 SC-05-100JV
C9F1 .33
R9F1 820K 1/2W
C9F2 .47
C9F3 .33
C9F5 4700
C9F4 4700
LIVE1
NUT1
PP
LIVE
COLD
PCB-POWER RP1(①),RP(③)

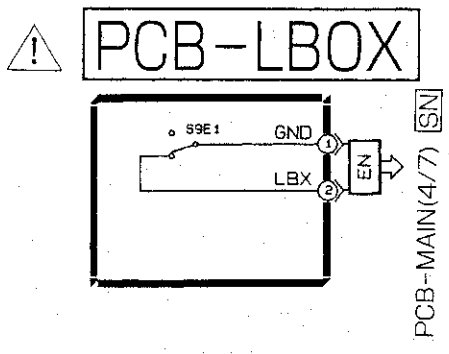


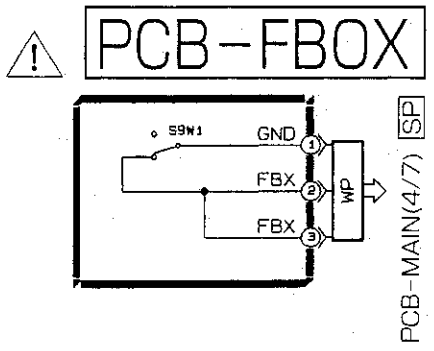












LVP-X100E CONTENTS

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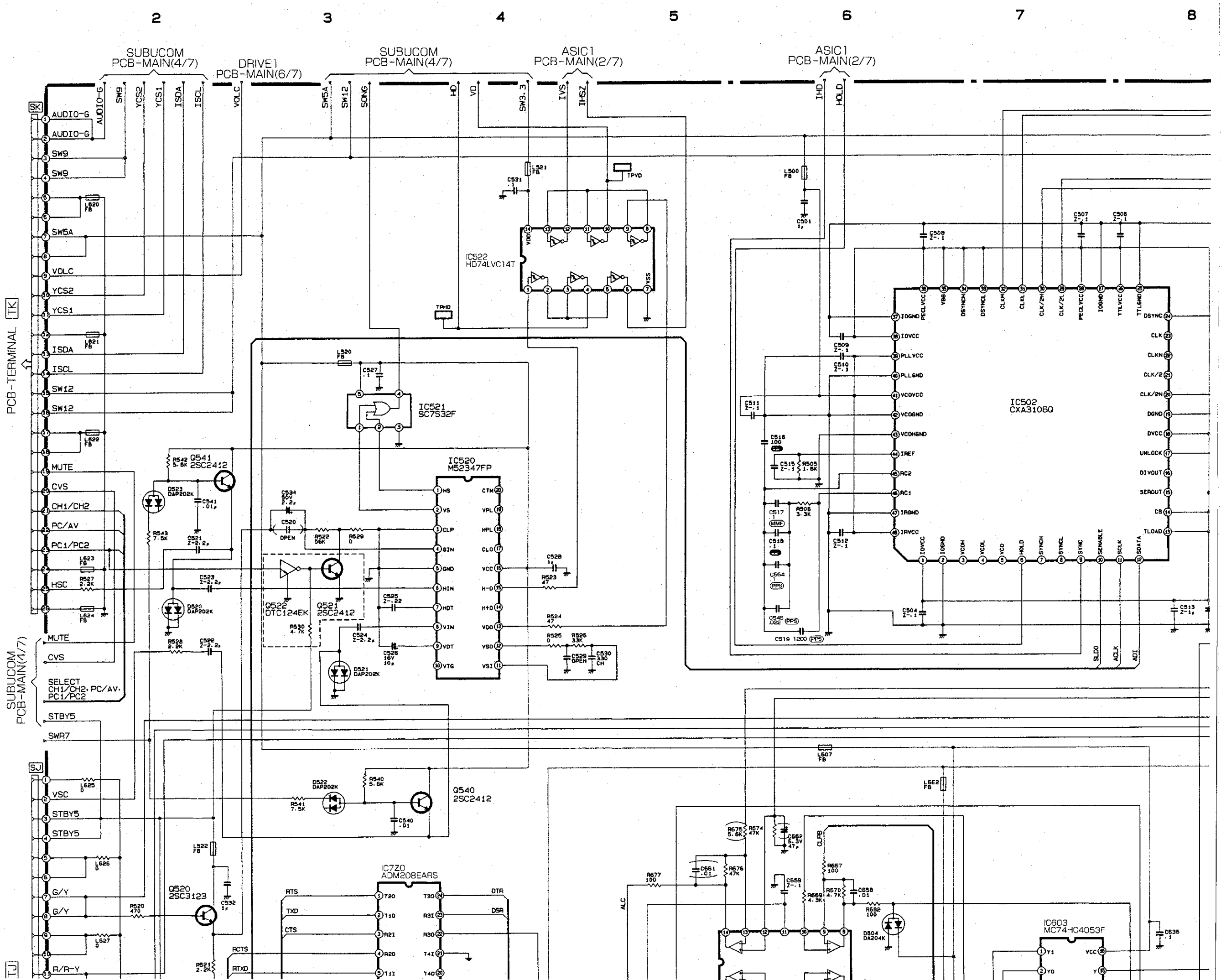
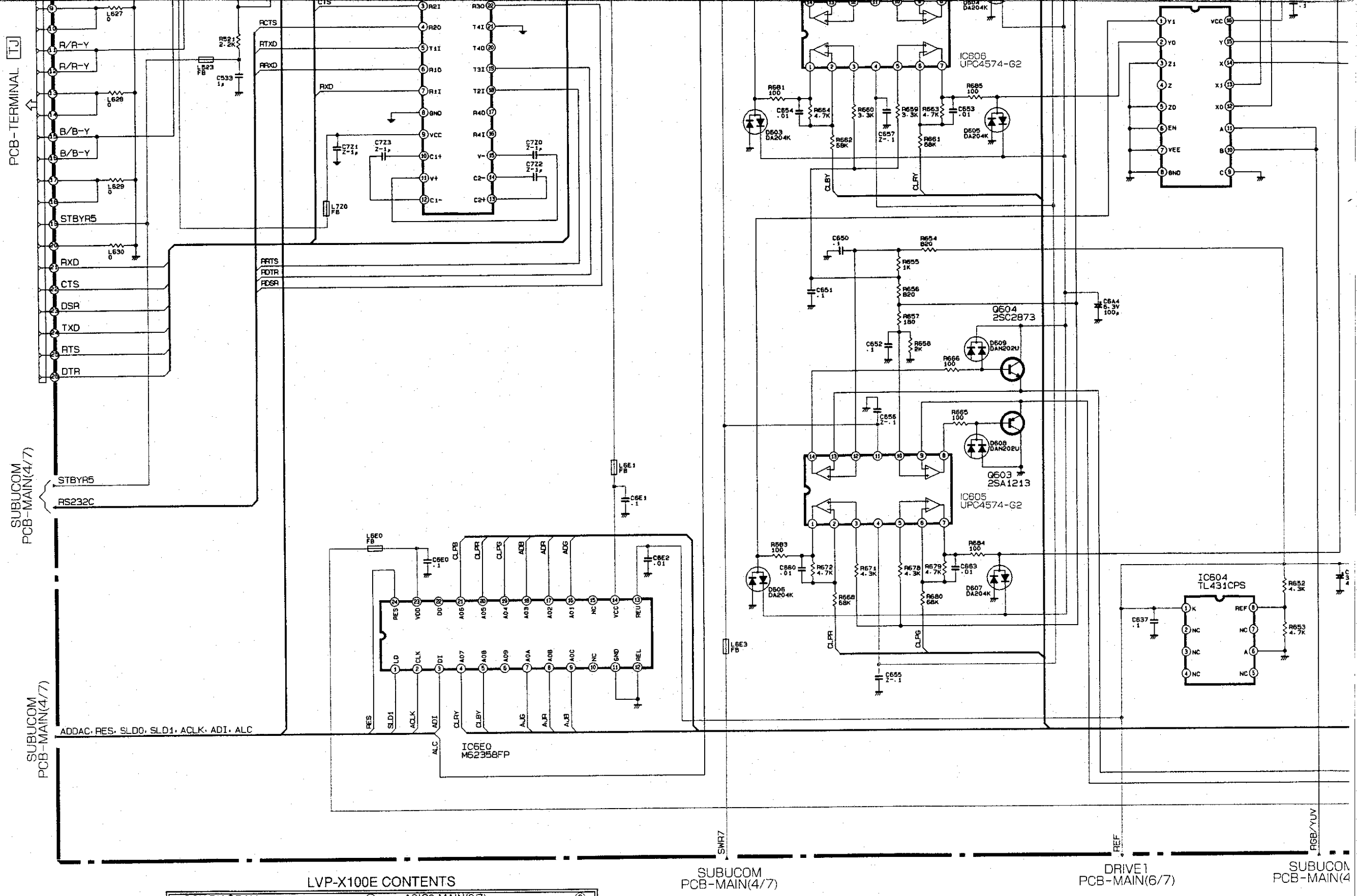

SUBUCOM PCB-MAIN(4/7)
DRIVE1 PCB-MAIN(6/7)
SUBUCOM PCB-MAIN(4/7)
ASIC1 PCB-MAIN(2/7)
ASIC1 PCB-MAIN(2/7)
PCB-TERMINAL
SUBUCOM PCB-MAIN(4/7)
AUDIO-G
SW9
YCS2
YCS1
ISDA
ISCL
VOLC
SW5A
SW12
SCNG
HD
VD
SW3.3
IVS
IHSZ
IHD
HOLD
MUTE
CVS
CH1/CH2
PC/AV
PC1/PC2
HSC
SELECT CH1/CH2, PC/AV, PC1/PC2
STBY5
SWR7
VSC
G/Y
R/R-Y
IC522 HD74LVC14T
IC521 SC7S32F
IC520 M52347FP
IC502 CXA3106Q
IC7Z0 ADM208EARS
IC603 MC74HC4053F
Q541 2SC2412
Q522 DTC124EK
Q521 2SC2412
Q540 2SC2412
Q520 2SC3123
RTS
TXD
CTS
RCTS
RTXD
DTR
DSR
ALC
CLPD
SLDO
ACLK
ADT



LVP-X100E CONTENTS

5 6 7 8 9 10 11 12 13

ASIC1 PCB-MAIN(2/7)

IHD

HOLD

ASIC1 PCB-MAIN(2/7)

DSYNC

CLK/2

SUBUCOM PCB-MAIN(4/7)

LOCK

L500 FB

C501 1μ

C507 Z .1

C506 Z .1

C508 Z .1

IC502 CXA3106Q

PECLVCC VBB DSYNCH DSYNCL CLKH CLKL CLK/2H CLK/2L PECLVCC IOGND TTLVCC TTLGND

37 IOGND
38 IOVCC
39 PLLVCC
40 PLLGND
41 VCOVCC
42 VCOGND
43 VCOHGND
44 IREF
45 RC2
46 RC1
47 IRGND
48 IRVCC

DSYNC 24
CLK 23
CLKN 22
CLK/2 21
CLK/2N 20
DGND 19
DVCC 18
UNLOCK 17
DIVOUT 16
SEROUT 15
CS 14
TLOAD 13

1 IOVCC 2 IOGND 3 VCOH 4 VCOL 5 VCO 6 HOLD 7 SYNCH 8 SYNCL 9 SYNC 10 SENABLE 11 SCLK 12 SDATA

SLDO ACLK ADI

C509 Z .1
C510 Z .1
C511 Z .1
C516 100 SL
C515 Z .1
R505 1.6K
C517 .1 MMF
R506 3.3K
C518 .1 SL
C554 PPS
C545 .022 PPS
C519 1200 PPS
C512 Z .1
C504 Z .1
C513 Z .1
C500 63V 47μ
C505 Z .1
R502 10
R501 10
R508 100
R507 100K
C514 Z .01
L501 FB

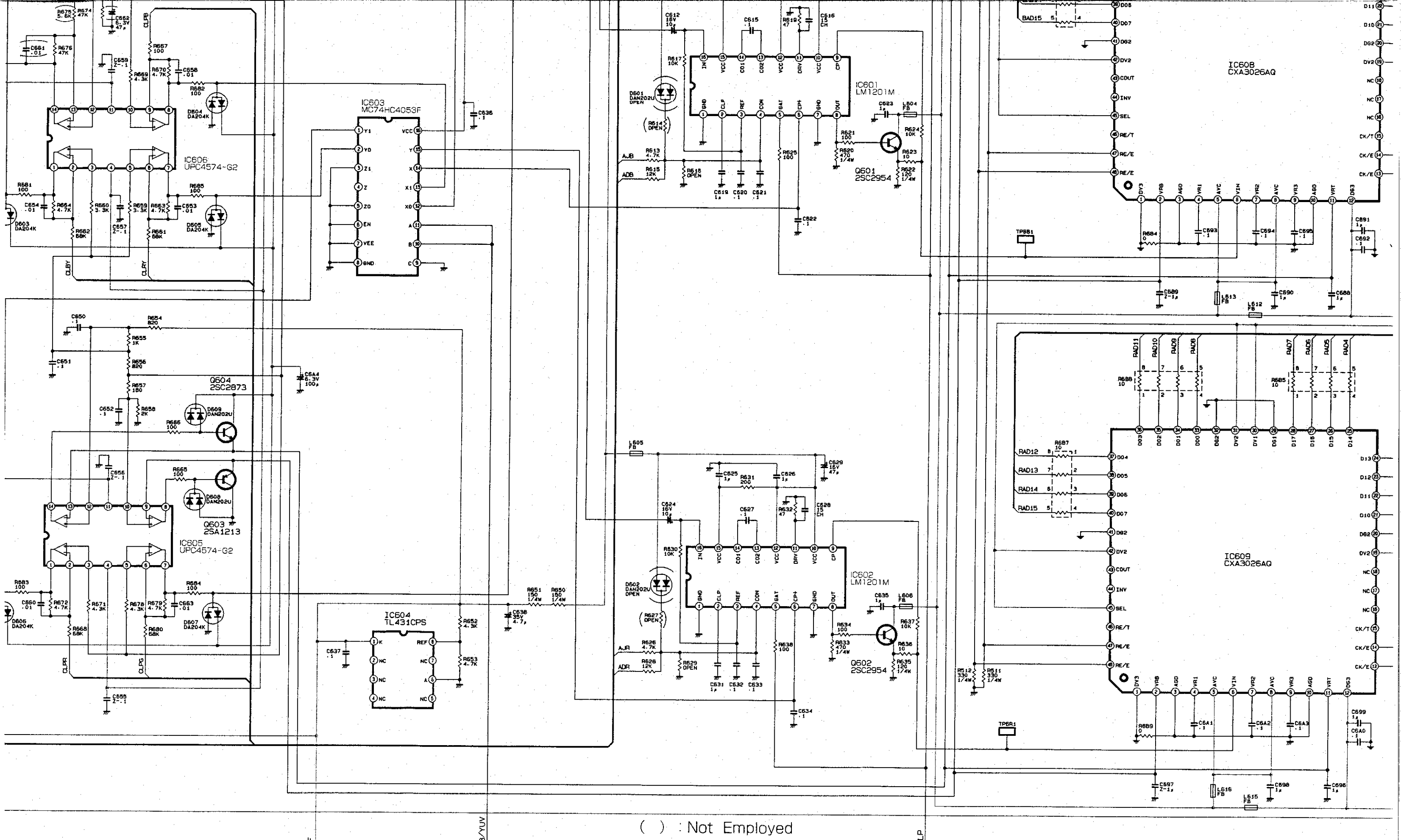
L500 FB
C501 1μ
C502 1μ
C505 16V 47μ
C600 16V 10μ
R605 200
C503 .1
R606 47
C504 15 CH
R604 10K
IC600 LM1201M
IN VCC CD1 CD2 VCC DRV VCC CP
GND CLP REF COM GAT CP+ GND OUT
D600 DAN202U OPEN
R601 OPEN
C511 1μ
L601 FB
R611 10K
R608 100
R607 470 1/4W
R610 10
Q600 2SC2954
R609 120 1/4W
R600 4.7K
R602 12K
R603 OPEN
R612 100
C507 1μ
C508 .1
C509 .1
C510 .1
R673 5.6K

GAD11 GAD10 GAD9 GAD8 GAD7 GAD6 GAD5 GAD4
R6A4 10
R6A1 10
R6A3 10
GAD12 GAD13 GAD14 GAD15
D03 D02 D01 D00 D62 DV2 DV1 D61 D17 D16 D15 D14
D04 D05 D06 D07 D62 DV2 COUT INV SEL RE/T RE/E RE/E
D13 D12 D11 D10 D62 DV2 NC NC NC CK/T CK/E CK/E
IC607 CXA3026AQ
DV3 VB6 ASD VR1 AVC VIN VR2 AVC VR3 ASD VRT D63
R6A5 0
TP691
C585 .1
C586 .1
C587 .1
C583 1μ
C584 .1
C681 Z 1μ
L610 FB
C682 1μ
C680 1μ
L609 FB

L607 FB
L602 FB
L603 FB
C613 1μ
R618 200
C614 1μ
C617 16V 47μ
C612 16V 10μ
C615 .1
R619 47
C616 15 CH
R617 10K
IC601 LM1201M
D601 DAN202U OPEN
R614 OPEN
C623 1μ
L604 FB
R624 10K
R621 100
R620 470 1/4W
R623 10
Q601
R622 120
R613 4.7K
R615 12K
R616 OPEN
R625 100
C610 .1

R675 5.6K
R674 47K
C662 6.3V 47μ
C661 .01
R676 47K
C659 Z .1
R667 100
R669 4.3K
R670 4.7K
C658 .01
R682 100
D604 DA204K
CLPB
IC606 UPC4574-G2
IC603 MC74HC4053F
C635 .1
Y1 Y0 Z1 VCC Y X

BAD11 BAD10 BAD9 BAD8 BAD7 BAD6 BAD5 BAD4
R683 10
R680 10
R682 10
BAD12 BAD13 BAD14 BAD15
D03 D02 D01 D00 D62 DV2 DV1 D61 D17 D16 D15 D14
D04 D05 D06 D07 D62 DV2 CDUT INV SEL RE/T RE/E RE/E
D13 D12 D11 D10 D62 DV2 NC NC NC CK/T CK/E CK/E
IC608 CXA3026AQ


IC606
UPC4574-G2
IC603
MC74HC4053F
IC601
LM1201M
Q601
2SC2954
IC608
CXA3026AQ
Q604
2SC2873
Q603
2SA1213
IC605
UPC4574-G2
IC604
TL431CPS
IC602
LM1201M
Q602
2SC2954
IC609
CXA3026AQ
CLBY
CLRY
CLPR
CLPG
( ) : Not Employed
REF
RGB/YUV
ADCLP
DRIVE1
PCB-MAIN(6/7)
SUBUCOM
PCB-MAIN(4/7)
ASIC1
PCB-MAIN(2/7)
AD
PCE

2/7) SUBUCOM PCB-MAIN(4/7)

LOCK

SUBUCOM PCB-MAIN(4/7)

SM50

GAD[0..15]

ASIC1 PCB-MAIN(2/7)

BAD[0..15]

ASIC1 PCB-MAIN(2/7)

IC607
CXA3026AQ

IC608
CXA3026AQ

IC600
LM1201M

IC601
LM1201M

Q600
2SC2954

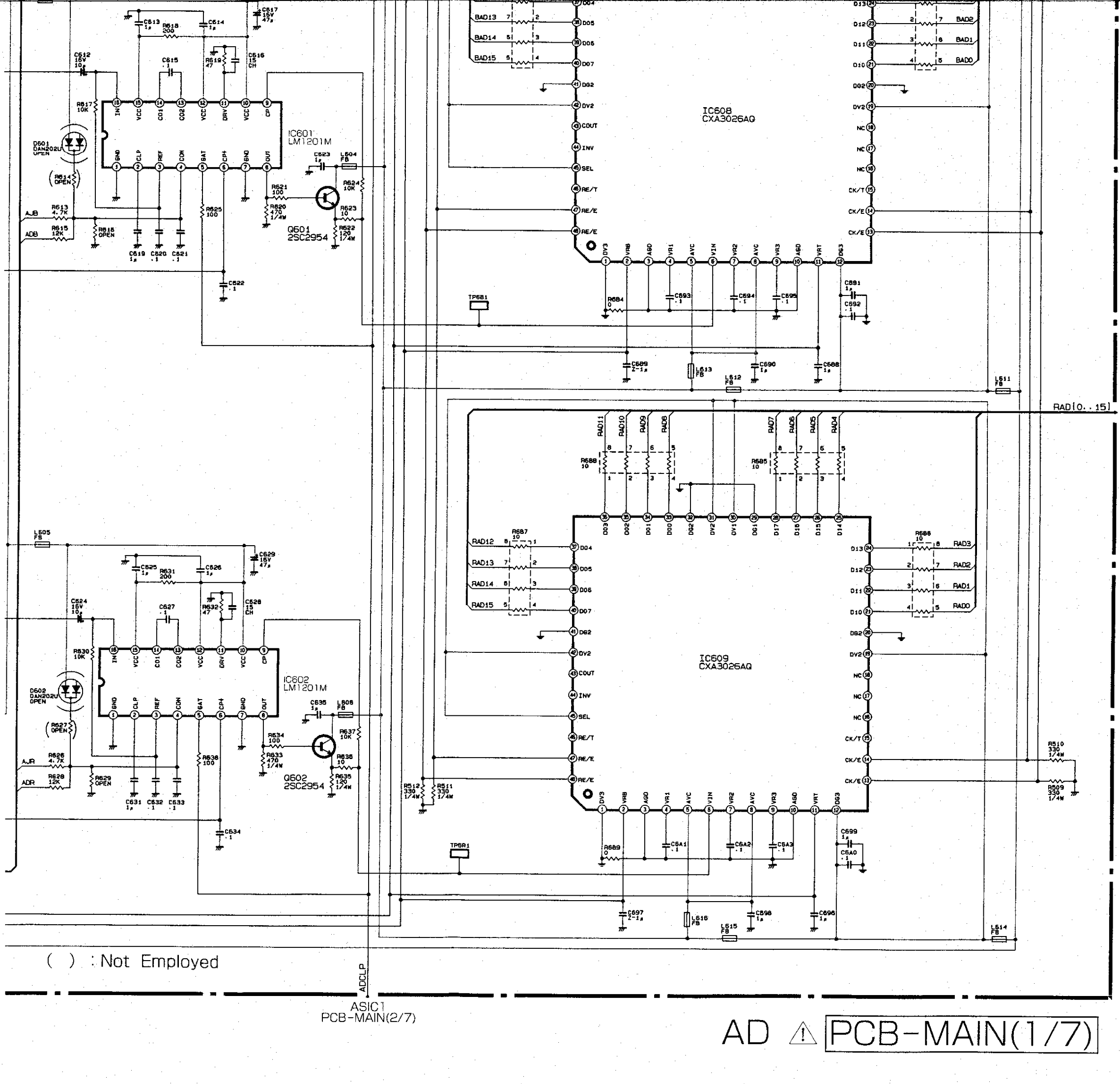
D600
DAN202U
OPEN

D601
DAN202U
OPEN

TP691

AJG

ADG



AD ⚠ PCB-MAIN(1/7)

F E D C B A

AD
PCB-MAIN(1/7)

GAD[0..15]

IC4B4
MB811171622A-100FN
B-FRAME-MEMORY2

IC4G1
QS32XL383Q1X
G-BUS-EX1

IC4G2
QS32XL383Q1X
G-BUS-EX2

AD
PCB-MAIN(1/7)

RAD[0..15]

IC4R1
QS32XL383Q1X
R-BUS-EX1

IC4R2
QS32XL383Q1X
R-BUS-EX2

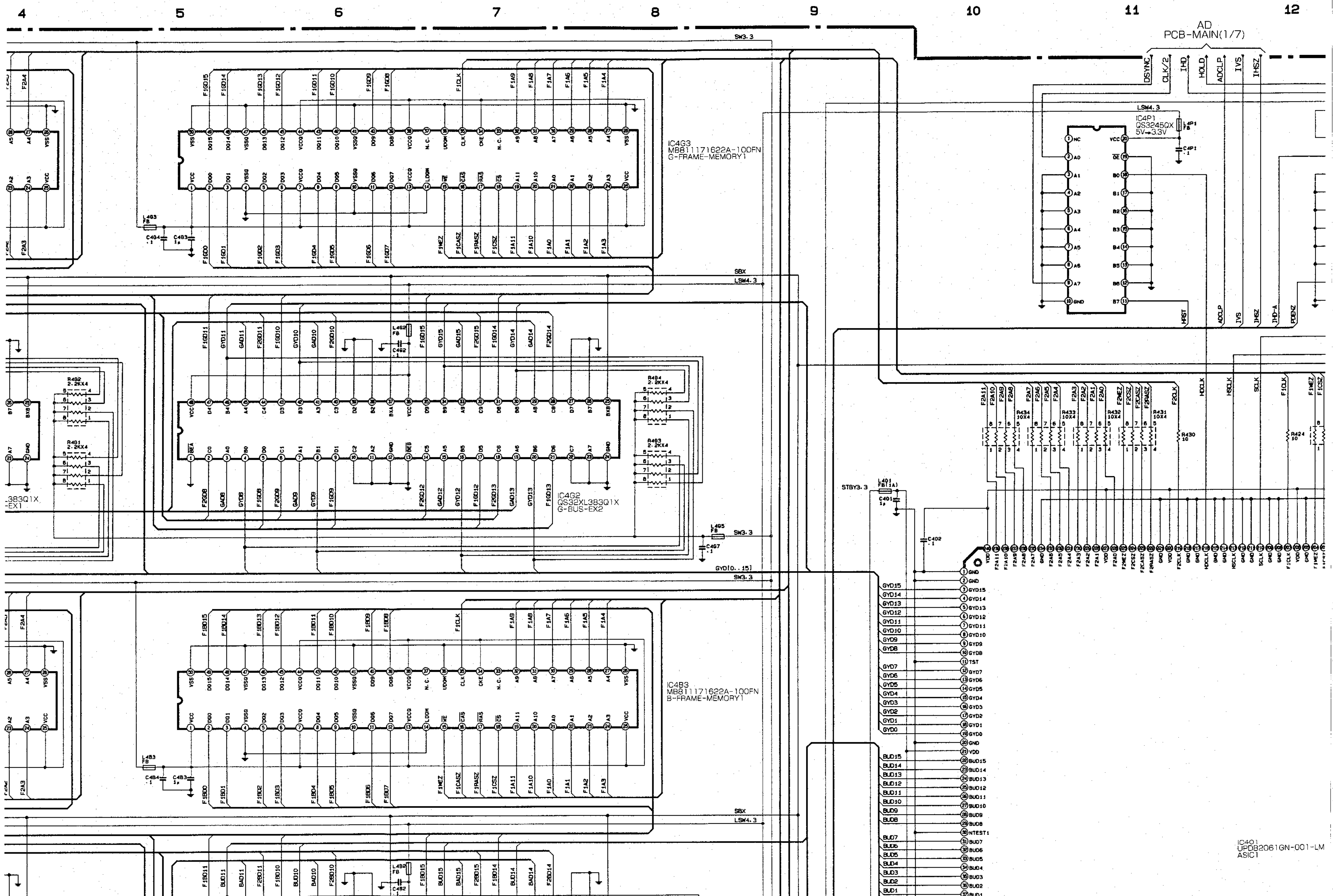
IC4R4
MB811171622A-100FN
R-FRAME-MEMORY2

AD
PCB-MAIN(1/7)

BAD[0..15]

IC4B1
QS32XL383Q1X
B-BUS-EX1

IC4B2
QS32XL383Q1X
B-BUS-EX2


AD
PCB-MAIN(1/7)
IC4P1
QS3245QX
5V→3.3V
IC4G3
MB811171622A-100FN
G-FRAME-MEMORY1
IC4G2
QS32XL383Q1X
G-BUS-EX2
IC4B3
MB811171622A-100FN
B-FRAME-MEMORY1
IC401
UPD82061GN-001-LM
ASIC1

ASIC1 ⚠ PCB-MAIN(2/7)

IC4B2
QS32XL383Q1X
B-BUS-EX2

IC4R3
MB811171622A-100FN
R-FRAME-MEMORY1

IC4R2
QS32XL383Q1X
R-BUS-EX2

Q400
2SC2873-Y

SW3.3
SW50
SBX
LSW4.3
BUD[0..15]
RVD[0..15]

9 10 11 12 13 14 15 16

AD
PCB-MAIN(1/7)

DSYNC CLK/2 IHD HOLD ADCLP IVS IHSZ

LSW4.3

IC4P1
QS32450X
5V→3.3V

IC4P2
74ACT245MTC
3.3V→5V

SW5D

R4P1 47

R4P2 47

C4P1 .1

C4P2 .1

HRST ADCLP IVS IHSZ IHD-A PBENZ

SCLK
HSCLK

ASIC2
PCB-MAIN(3/7)

F2A11 F2A10 F2A9 F2A8 F2A7 F2A6 F2A5 F2A4 F2A3 F2A2 F2A1 F2A0 F2WEZ F2CSZ F2CASZ F2RASZ F2CLK HDCLK HSCLK SCLK F1CLK F1WEZ F1CSZ F1CASZ F1RASZ F1A11 F1A10 F1A9 F1A8 F1A7 F1A6 F1A5 F1A4 F1A3 F1A2 F1A1 F1A0 SBX

R434 10X4 R433 10X4 R432 10X4 R431 10X4 R425 10X4 R426 10X4 R427 10X4 R428 10X4

R430 10 R424 10 R429 10 R423 10 R422 10

LAFL
PVDT
GMSG[0..7]
GMSB[0..7]
GMCONT

STBY3.3

L401 FB(1A)

C401 1μ

C402 .1

C405 .1

GYD15 GYD14 GYD13 GYD12 GYD11 GYD10 GYD9 GYD8 TST GYD7 GYD6 GYD5 GYD4 GYD3 GYD2 GYD1 GYD0

BUD15 BUD14 BUD13 BUD12 BUD11 BUD10 BUD9 BUD8 NTEST1 BUD7 BUD6 BUD5 BUD4 BUD3

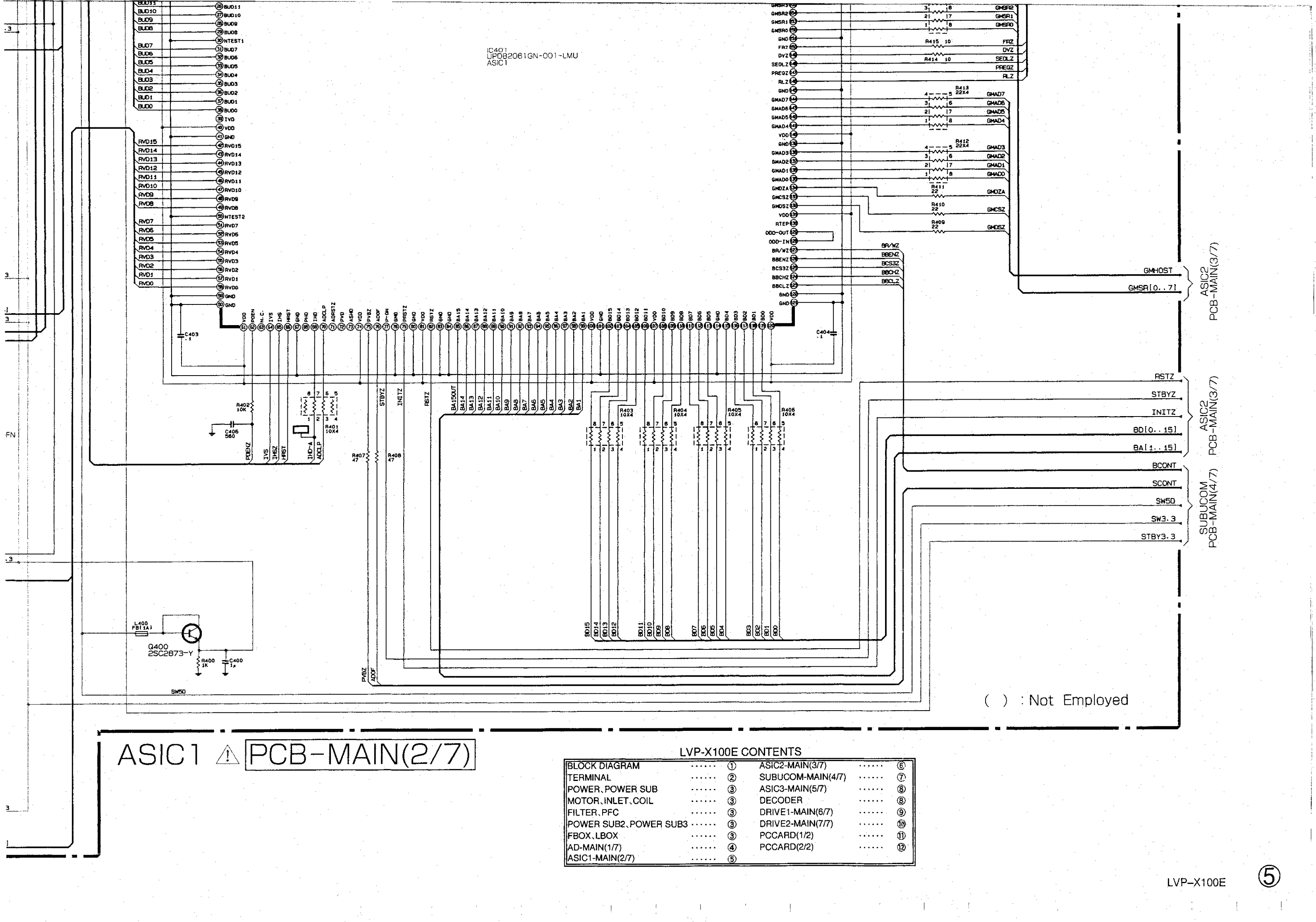
GMSG7 GMSG6 GMSG5 GMSG4 GMSG3 GMSG2 GMSG1 GMSG0 GMSB7 GMSB6 GMSB5 GMSB4 GMSB3 GMSB2 GMSB1 GMSB0 GMSR7 GMSR6 GMSR5 GMSR4 GMSR3 GMSR2 GMSR1 GMSR0

R421 10X4 R420 10X4 R419 10X4 R418 10X4 R417 10X4 R416 10X4

R415 10 R414 10

FRZ DVZ SEOLZ PREQZ RLZ

IC401
UPD82061GN-001-LMU
ASIC1



ASIC1 ⚠ PCB-MAIN(2/7)

LVP-X100E CONTENTS

1 2 3 4 5 6 7 8

A

B

C

D

E

IC4G5
UPD4516161G5-A12-7JF
G-V-MEMORY

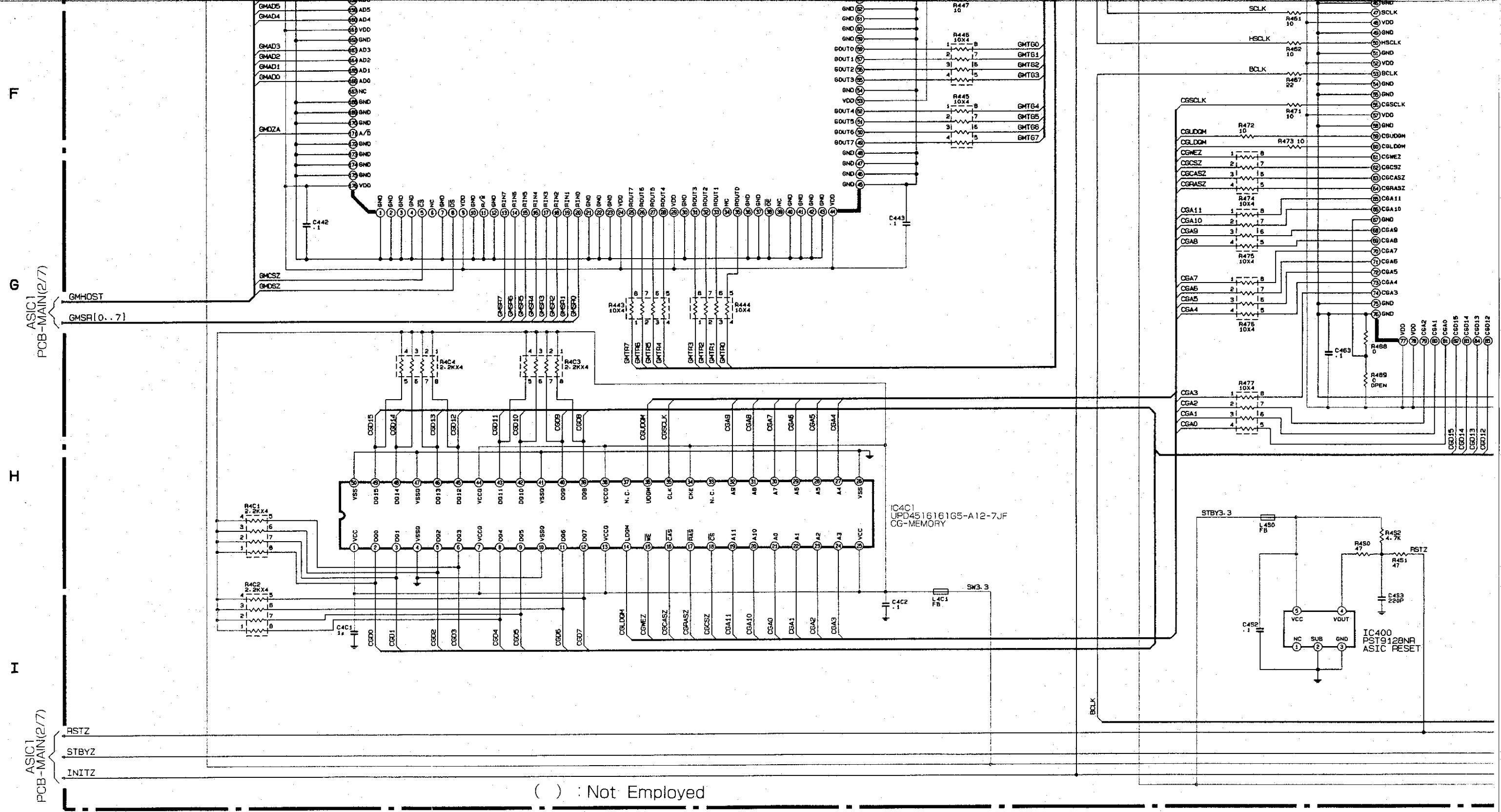
IC4B5
UPD4516161G5-A12-7JF
B-V-MEMORY

IC402
GM833X3FCC2-68
RGB SCALER

ASIC1
PCB-MAIN(2/7)

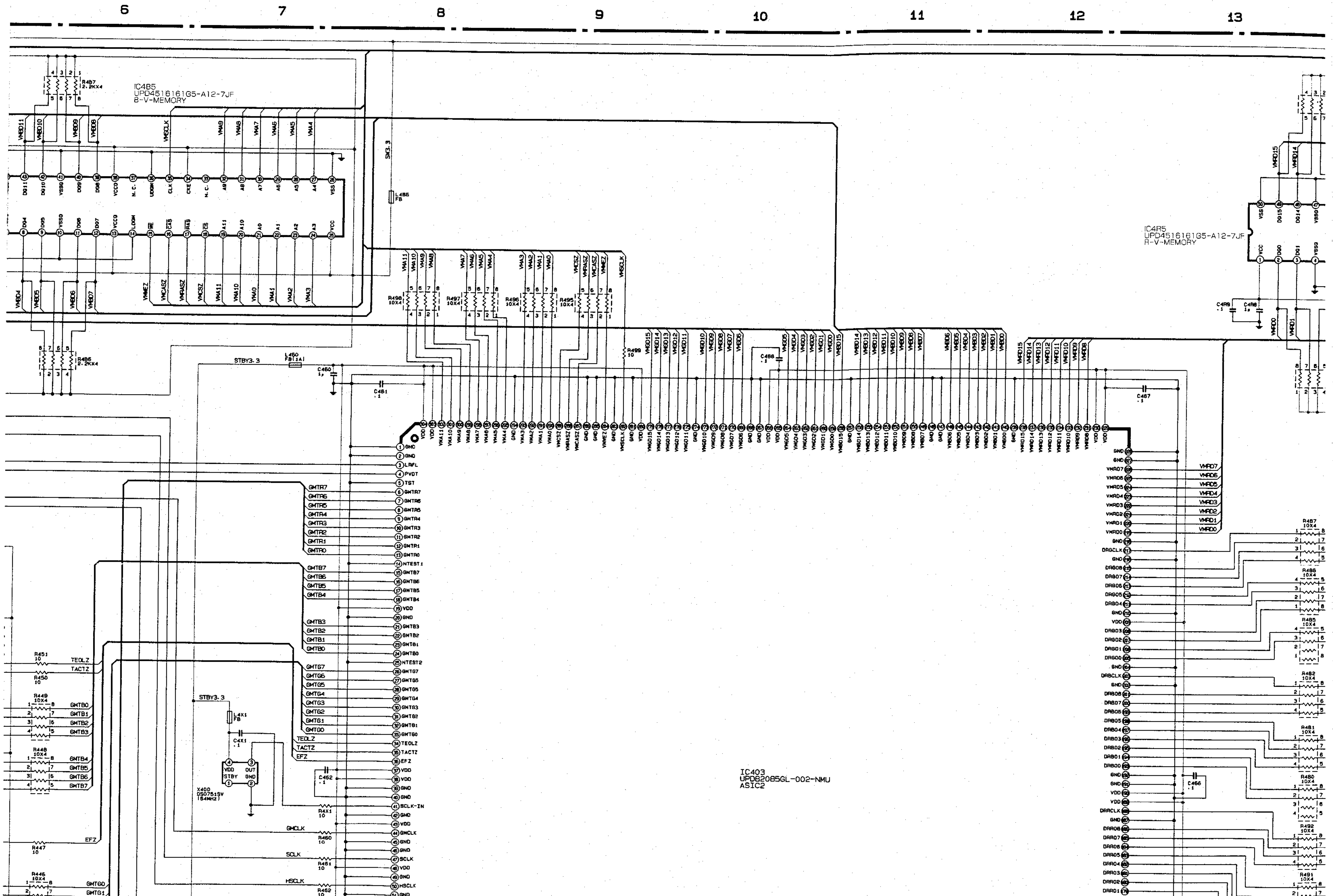
ASIC3
PCB-MAIN(5/7)

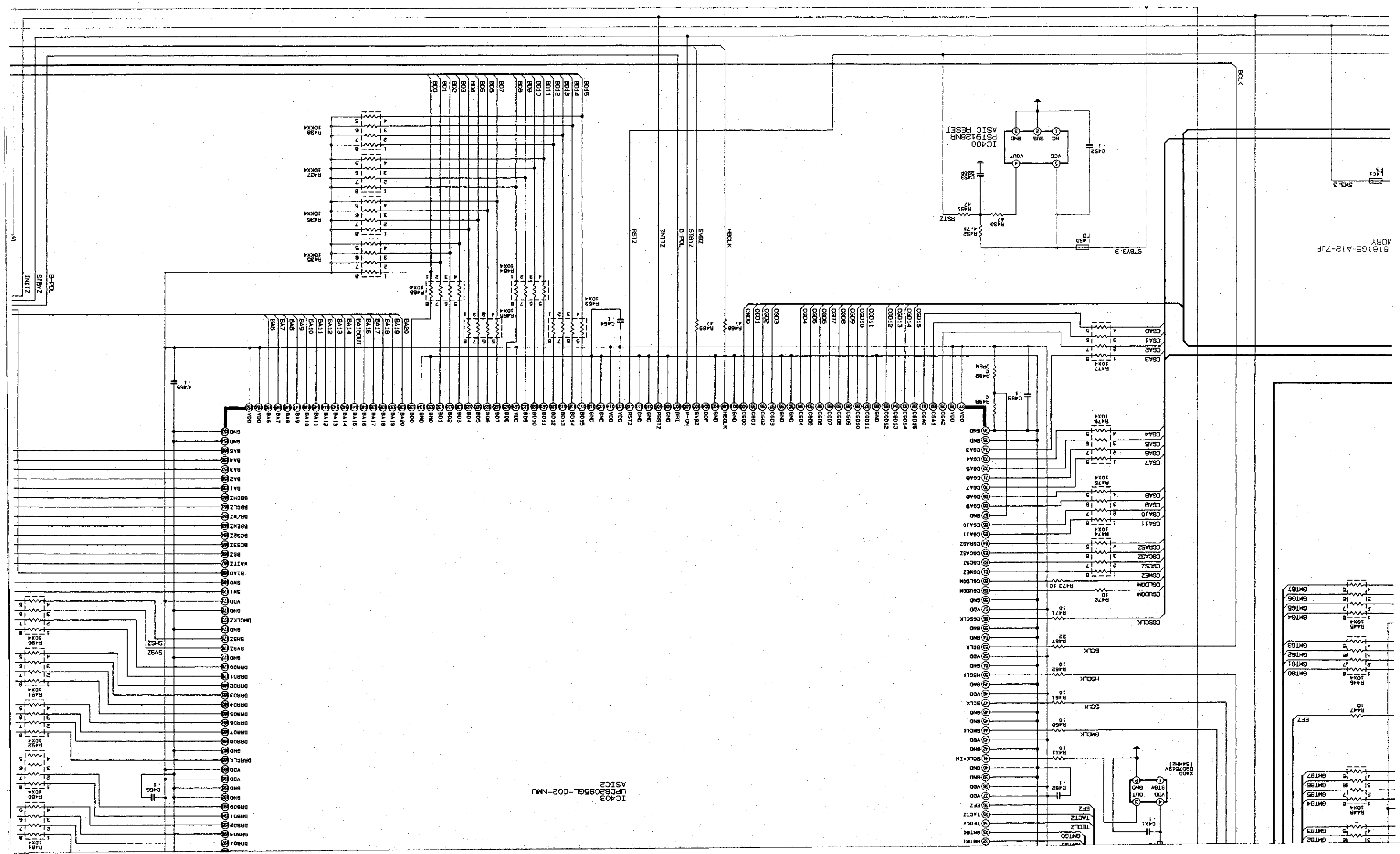
SCLK
HSCLK
LRFL
PVDT
GMSG[0..7]
GMSB[0..7]
GMCONT
GMCLK
SACTZ
STALLZ
FRZ
SEOLZ
PREQZ
RLZ
DVZ
INITZ
TPSEOL
X400
DSO751SV
(64MHz)



( ) : Not Employed

LVP-X100E CONTENTS


IC4B5
UPD4516161G5-A12-7JF
B-V-MEMORY
IC4R5
UPD4516161G5-A12-7JF
R-V-MEMORY
IC403
UPD82085GL-002-NMU
ASIC2
X400
DS0751SV
(64MHZ)
STBY3.3
SW3.3



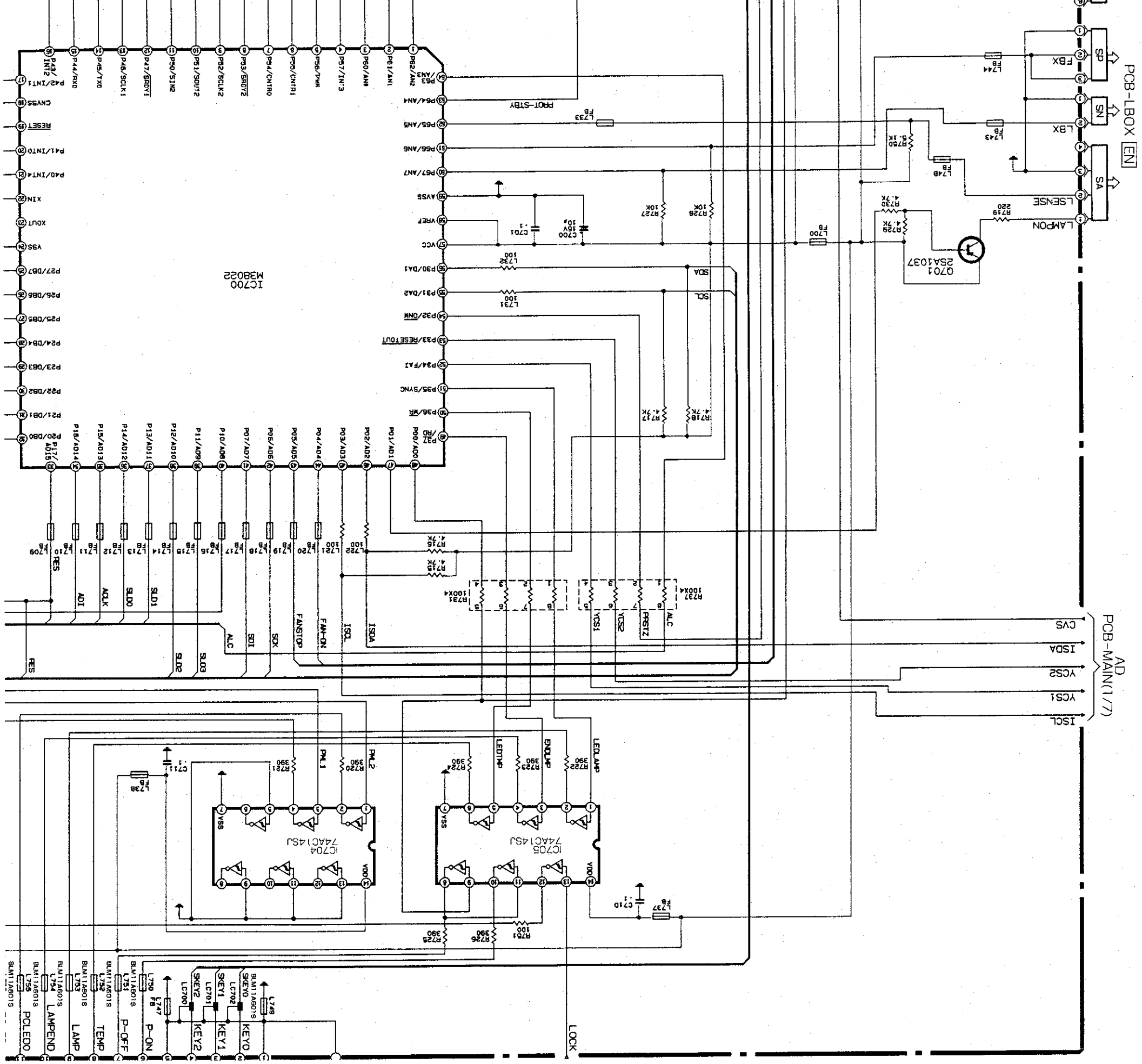
IC403
UPD82085GL-002-NMU
ASIC2
IC400
PST9128NR
ASIC RESET
X400
RSTZ
INITZ
B-POL
STBYZ
SVSZ
HBCLK
BCLK
STBY3.3
SW3.3
R435 10KX4
R436 10KX4
R437 10KX4
R438 10KX4
R463 10X4
R464 10X4
R465 10X4
R466 10X4
R468 47
R469 47
C464 .1
C465 .1
C466 .1
C462 .1
C463 .1
C452 .1
C453 220P
R450 47
R451 47
R452 4.7K
L450 FB
R488 0
R489 0 OPEN
R472 10
R473 10
R474 10X4
R475 10X4
R476 10X4
R477 10X4
R447 10
R445 10X4
R446 10X4
R448 10X4
6161G5-A12-7JF
MORY

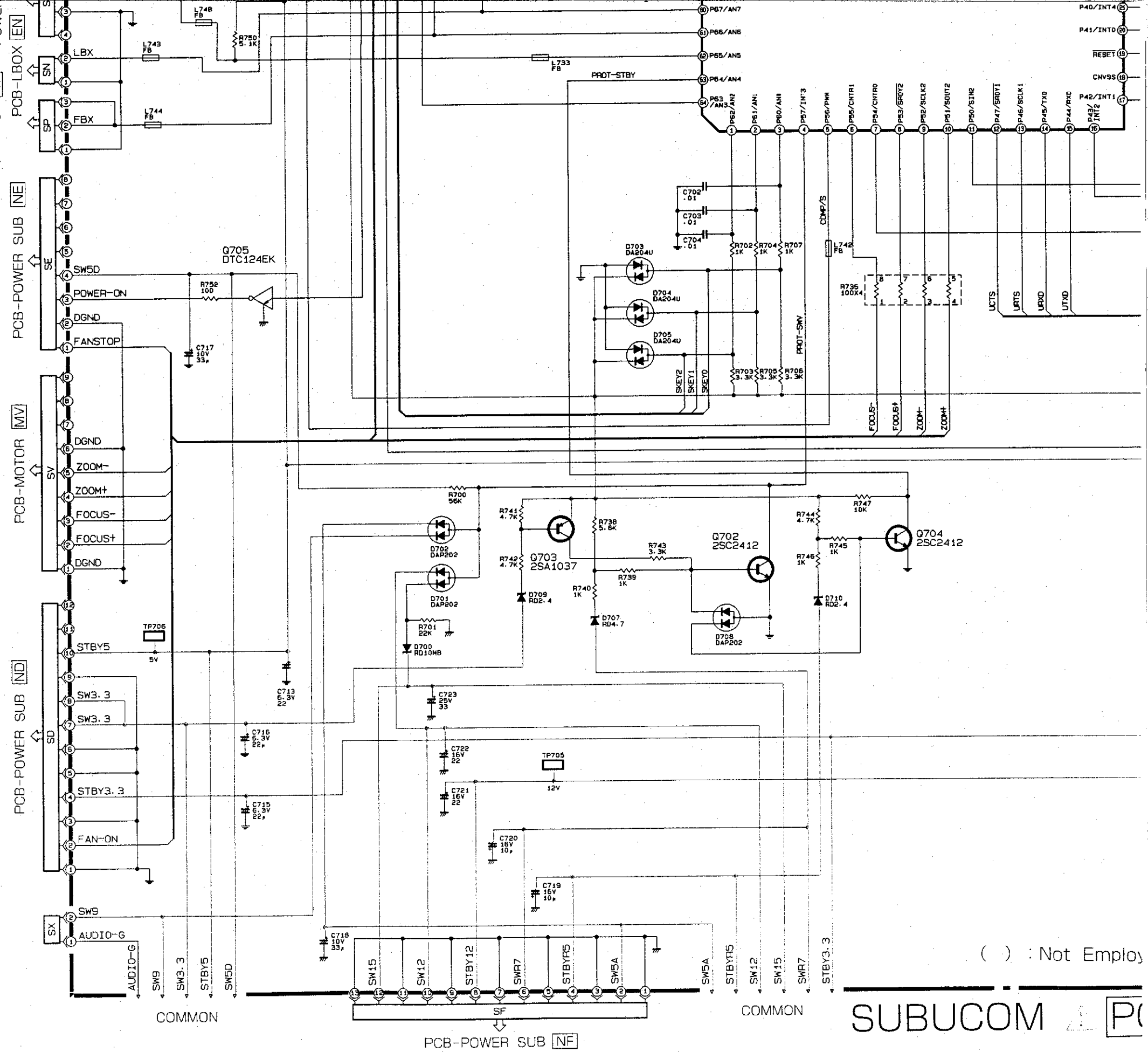
9
10
11
12
13
14
15
16
IC4R5
UPD4516161G5-A12-7JF
R-V-MEMORY
IC403
UPD82085GL-002-NMU
ASIC2
R4R8
2.2KX4
R4R7
2.2KX4
R4R5
2.2KX4
R4R6
2.2KX4
C4R9
.1
C4R8
1μ
L4R8
FB
SW3.3
R499
10
C468
.1
C467
.1
C466
.1
R487
10X4
R486
10X4
R485
10X4
R482
10X4
R481
10X4
R480
10X4
R492
10X4
R491
10X4
GDA[0..8]
GCK
DRIVE2
PCB-MAIN(7/7)
BDA[0..8]
BCK
DRIVE2
PCB-MAIN(7/7)
RDA[0..8]
RCK
DRIVE1
PCB-MAIN(6/7)
VMSCLK
VMRASZ
VMCASZ
VMWEZ
VMA0
VMA1
VMA2
VMA3
VMA4
VMA5
VMA6
VMA7
VMA8
VMA9
VMA10
VMA11
VMCSZ
VMRD0
VMRD1
VMRD2
VMRD3
VMRD4
VMRD5
VMRD6
VMRD7
VMRD8
VMRD9
VMRD10
VMRD11
VMRD12
VMRD13
VMRD14
VMRD15
VMGD0
VMGD1
VMGD2
VMGD3
VMGD4
VMGD5
VMGD6
VMGD7
VMGD8
VMGD9
VMGD10
VMGD11
VMGD12
VMGD13
VMGD14
VMGD15
VMBD0
VMBD1
VMBD2
VMBD3
VMBD4
VMBD5
VMBD6
VMBD7
VMBD8
VMBD9
VMBD10
VMBD11
VMBD12
VMBD13
VMBD14
VMBD15
GDA0
GDA1
GDA2
GDA3
GDA4
GDA5
GDA6
GDA7
GDA8
BDA0
BDA1
BDA2
BDA3
BDA4
BDA5
BDA6
BDA7
BDA8
RDA3
RDA4
RDA5
RDA6
RDA7
RDA8
DRGCLK
DRG08
DRG07
DRG06
DRG05
DRG04
DRG03
DRG02
DRG01
DRG00
DRBCLK
DRB08
DRB07
DRB06
DRB05
DRB04
DRB03
DRB02
DRB01
DRB00
DRRCLK
DRR08
DRR07
DRR06
DRR05
DRR04
DRR03
DRR02
DRR01
DRR00
VCC
VSS
VSSQ
VCCQ
DQ0
DQ1
DQ2
DQ3
DQ4
DQ5
DQ6
DQ7
DQ8
DQ9
DQ10
DQ11
DQ12
DQ13
DQ14
DQ15
LDQM
UDQM
WE
CAS
RAS
CS
CLK
CKE
N.C.
A0
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
GND
VDD

IC403
UPD82085GL-002-NMU
ASIC2

R481 10X4 — BDA5, BDA4, BDA3, BDA2
R480 10X4 — BDA1, BDA0
C466 .1
R492 10X4 — RDA8, RDA7, RDA6
R491 10X4 — RDA5, RDA4, RDA3, RDA2
R490 10X4 — RDA1, RDA0
RDA[0..8]
RCK
DRIVE1 PCB-MAIN(6/7)
SVSZ
SHSZ
TPVSY
TPHSY
VSY
HSY
DRIVE1,2 PCB-MAIN(6/7)(7/7)
R479 10
R478 10
R470 10
WAITZ
BSZ
BCS3Z
BCS2Z
BBENZ
BR/WZ
BBCLZ
BBCHZ
BA1
BA2
BA3
BA4
BA5
SW1
SW0
DRIVE1 PCB-MAIN(6/7)
BIAOG
DRIVE2 PCB-MAIN(7/7)
C465 .1
C464 .1
R468 47
R469 47
R463 10X4
R465 10X4
R464 10X4
R466 10X4
R435 10KX4
R436 10KX4
R437 10KX4
R438 10KX4
HBCLK
SVBZ
STBYZ
B-FOL
INITZ
PRSTZ
BD15 BD14 BD13 BD12 BD11 BD10 BD9 BD8 BD7 BD6 BD5 BD4 BD3 BD2 BD1 BD0
BA20 BA19 BA18 BA17 BA16 BA15OUT BA14 BA13 BA12 BA11 BA10 BA9 BA8 BA7 BA6 BA5
B-FOL
STBYZ
INITZ
L4S1 FB
STBY3.3
C451 .1
R493 100X4
BIAS
IC404
HD74LVC245T
5V→3.3V
VCC OE B0 B1 B2 B3 B4 B5 B6 B7
T/R A0 A1 A2 A3 A4 A5 A6 A7 GND
PRSTZ
RES
BRI
BIAOG
BD[0..15]
BA[1..20]
BCONT
SCONT
SW3.3
STBY3.3
SUBUCOM PCB-MAIN(4/7)

ASIC2 ⚠ PCB-MAIN(3/7)


PCB-FBOX WP
PCB-LBOX EN
POWER LAMP UNIT CN
SP
SN
SA
FBX
LBX
LSENSE
LAMPON
Q701
2SA1037
IC700
M38022
SDA
SCL
PROT-STBY
ISDA
ISCL
YCS1
YCS2
CVS
PRSTZ
ALC
FANSTOP
FAN-ON
SDI
SDX
SCK
ADI
ADLK
SLDO
SLD1
SLD2
SLD3
RES
IC704
74AC14SJ
IC705
74AC14SJ
PML1
PML2
LEDTMP
ENDLMP
LEDLMP
KEY2
KEY1
KEY0
P-ON
P-OFF
TEMP
LAMP
LAMPEND
PCLED0
LOCK
AD
PCB-MAIN(1/7)


PCB-FBOX WP
PCB-LBOX EN
PCB-POWER SUB NE
PCB-MOTOR MV
PCB-POWER SUB ND
PCB-POWER SUB NF
LBX
FBX
SW5D
POWER-ON
DGND
FANSTOP
DGND
ZOOM-
ZOOM+
FOCUS-
FOCUS+
DGND
STBY5
SW3.3
SW3.3
STBY3.3
FAN-ON
SW9
AUDIO-G
Q705
DTC124EK
Q702
2SC2412
Q703
2SA1037
Q704
2SC2412
PROT-STBY
PROT-SHV
COMP/S
SKEY2
SKEY1
SKEY0
FOCUS-
FOCUS+
ZOOM-
ZOOM+
UCTS
URTS
URXD
UTXD
COMMON
COMMON
SUBUCOM
( ) : Not Employ

AD PCB-MAIN(1/7)

TO SHIELDING EARTH

SCREW HOLE

⚠ MEMBRANE SW ST

ST

KEY0 KEY1 KEY2 P-ON P-OFF TEMP LAMP LAMPEND PCLEDO PCLED1

DRIVE1 PCB-MAIN(6/7)

AD PCB-MAIN(1/7)

⚠ PREAMP UNIT RM

SM

S5V2 RSI2

⚠ PREAMP UNIT RM

SL

S5V1 RSI1

PCB-

SVBZ PVBZ SONG PM1.2 PM1.1

LOCK ADDAC DRIVE

IC705 74AC14SJ

IC704 74AC14SJ

LEDLAMP ENDLMP LEDTMP PM1.2 PM1.1

IC707 HD74HC4053FP

RTXD REMOTXD RSI2 RSI1 RS2 RS1 STXD

IC700 M38022

SCL SDA

IC706 LM75CIMX-5

IC702 24LC65T-I*SM

DSE3 DSE2 DSE1 ACK ADO ACS ESDA ESCL

UNLOCK

PROT-STBY

IC701 PST600DMT

TP701

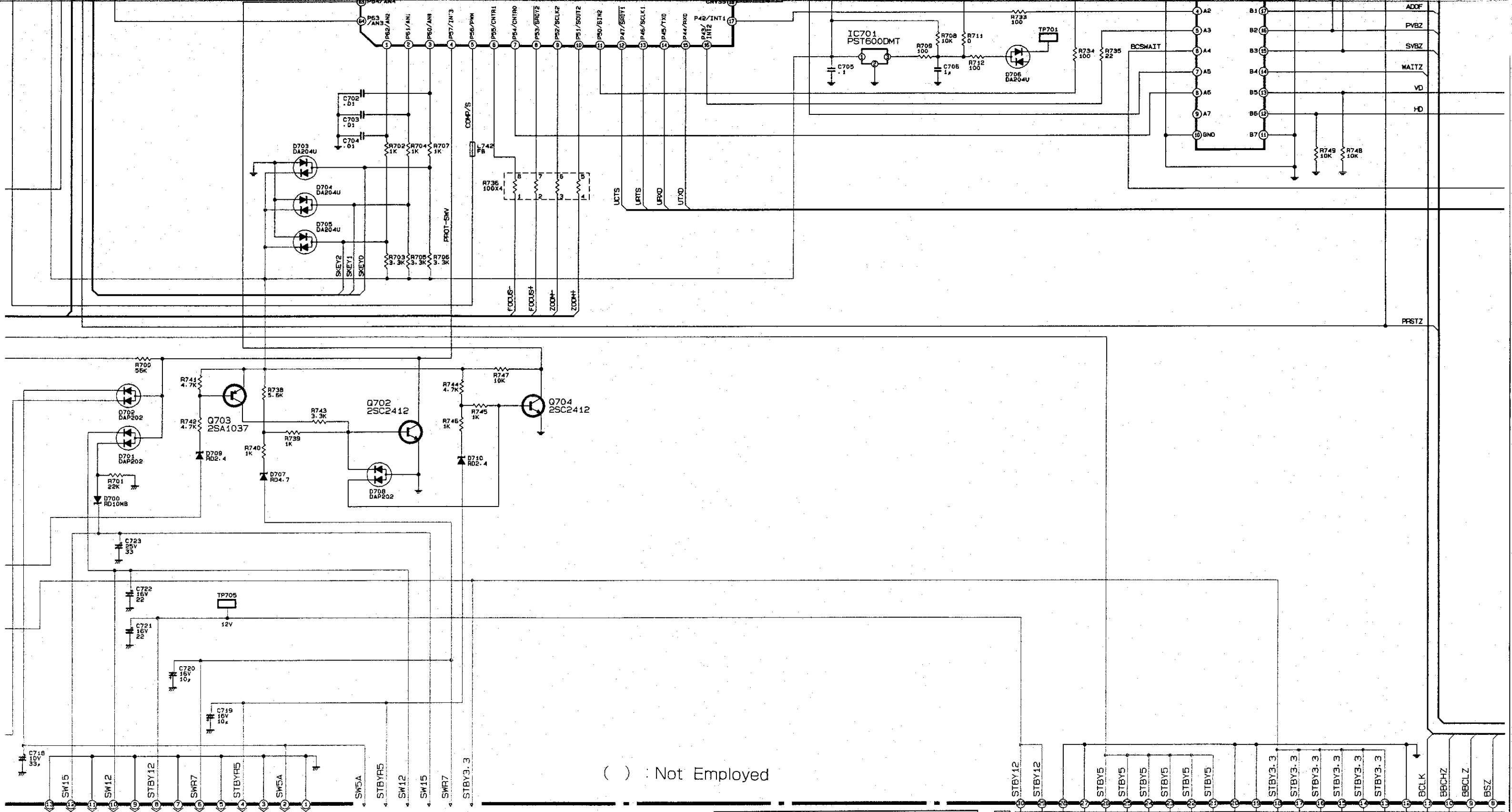
IC703 74ACT245MTC

HBCLK ADOF PVBZ SVBZ WAITZ

BCSWAIT

ALC PRSTZ YCS2 YCS1 ISDA ISCL FAN-ON FANSTOP SCK SDI ALC SLD3 SLD2 SLD1 SLDO ACLK ADI RES

BRI RES



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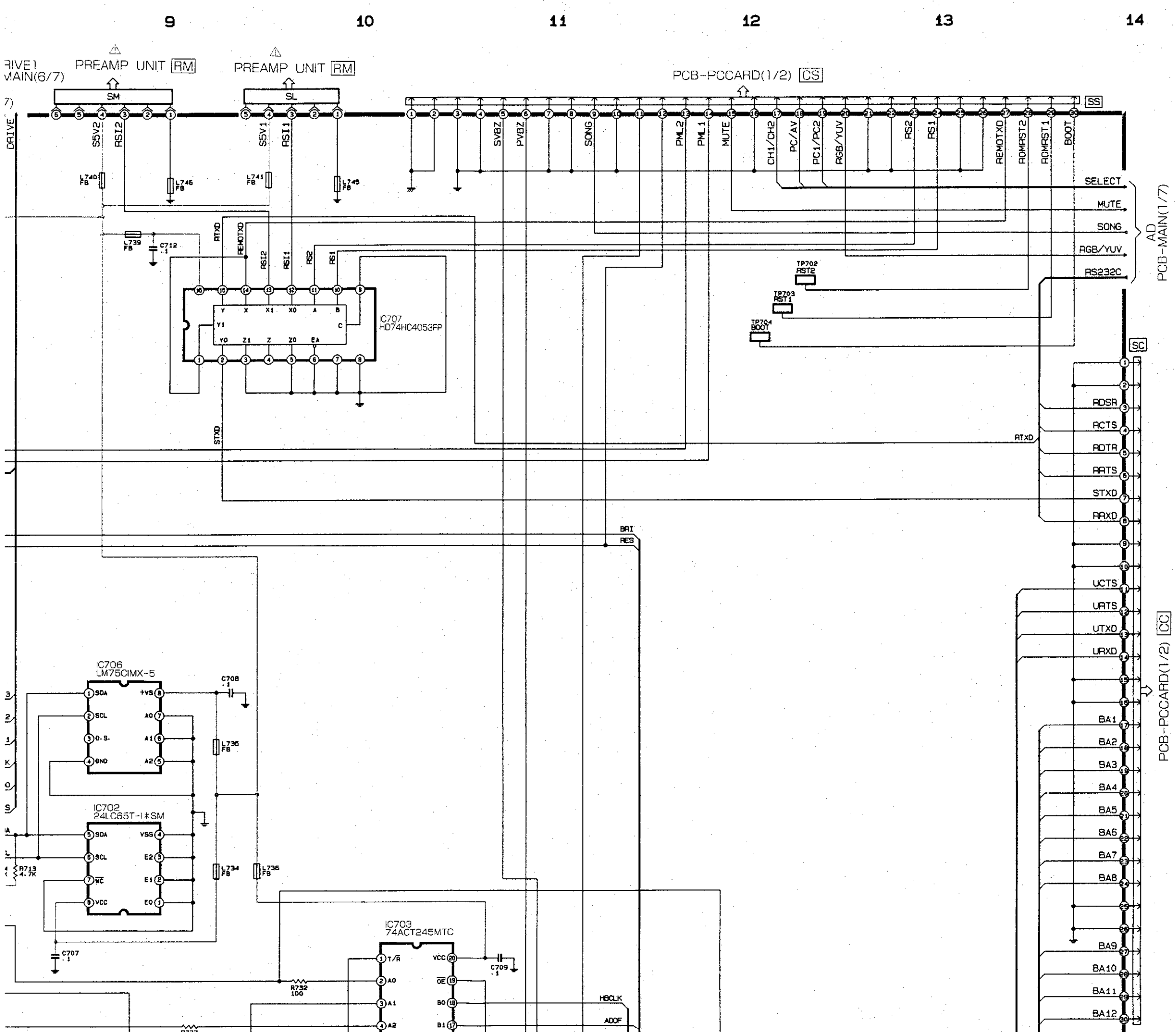
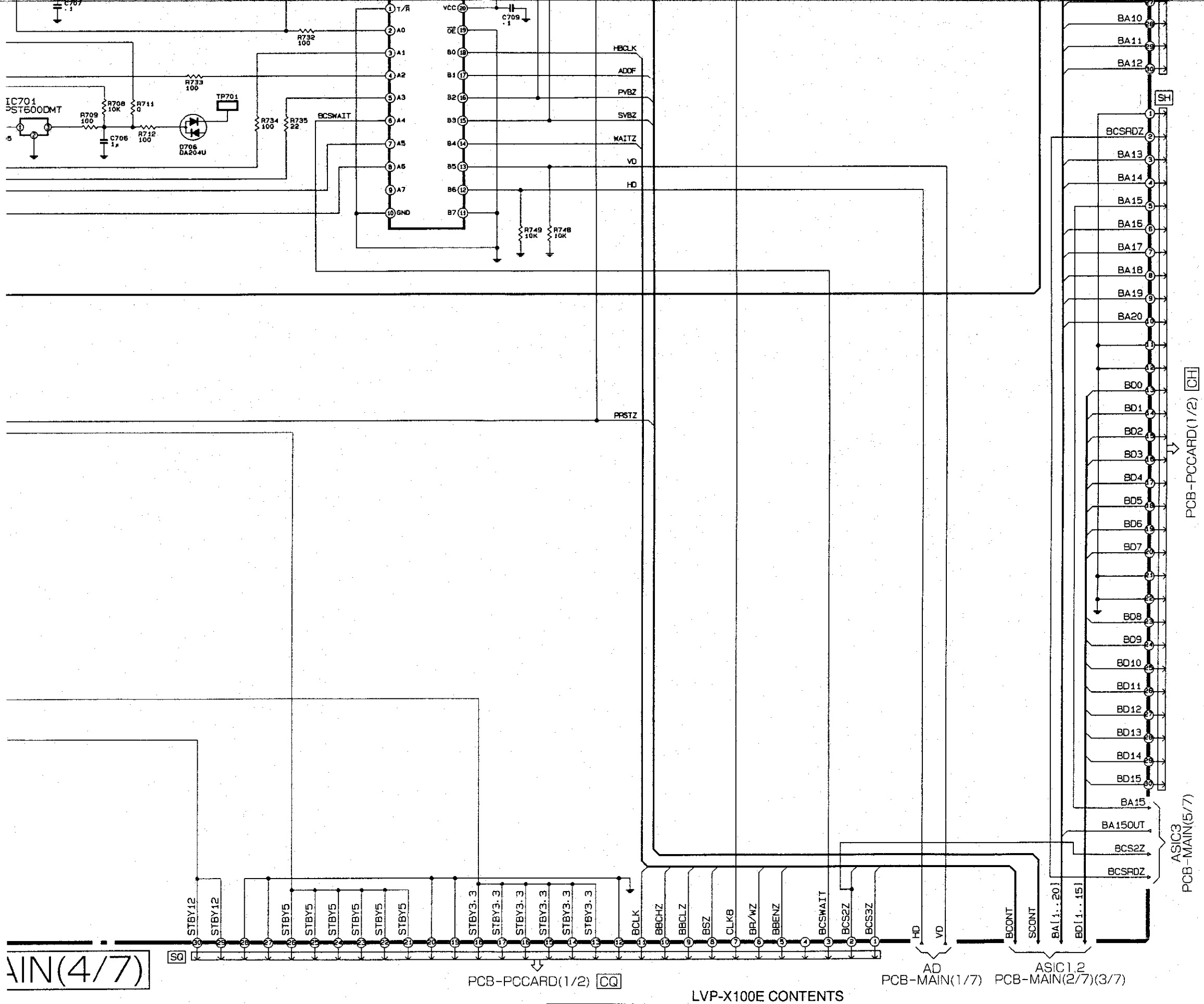
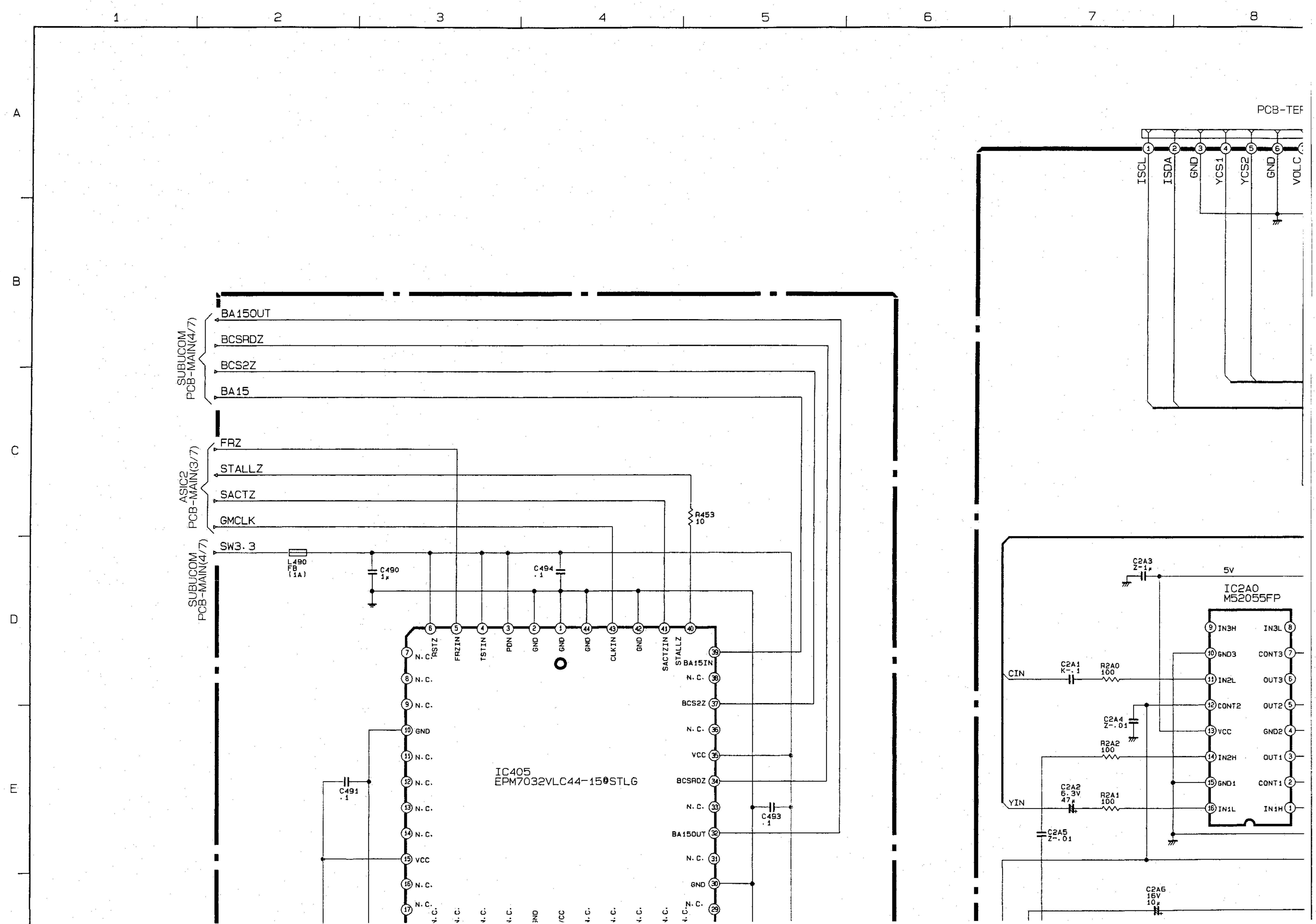
SUBUCOM ⚠ PCB-MAIN(4/7)

LVP-

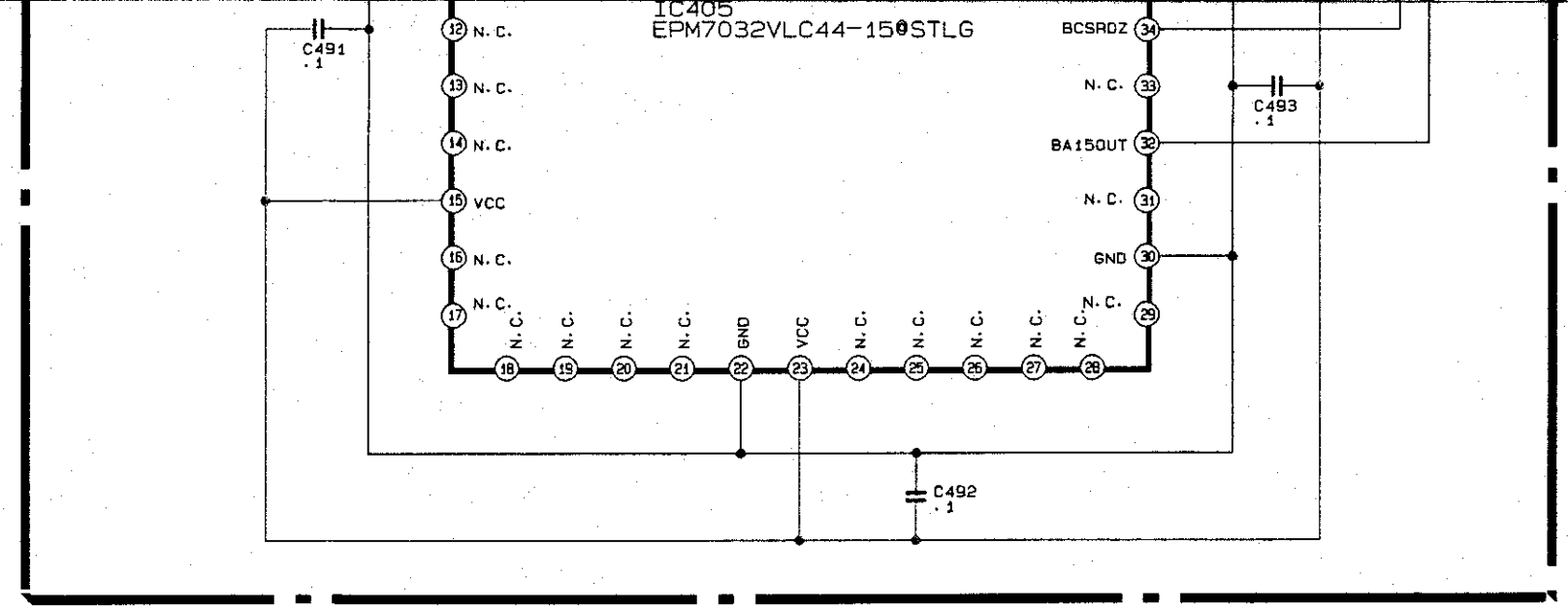

9
10
11
12
13
14
15
16
PREAMP UNIT RM
PREAMP UNIT RM
SM
SL
PCB-PCCARD(1/2) CS
SS
SSV2
RSI2
SSV1
RSI1
SVBZ
PVBZ
SONG
PWL2
PWL1
MUTE
CH1/CH2
PC/AV
PC1/PC2
RGB/YUV
RS2
RS1
REMOTXD
ROMRST2
ROMRST1
BOOT
SELECT
MUTE
SONG
RGB/YUV
RS232C
AD
PCB-MAIN(1/7)
L740 FB
L745 FB
L741 FB
L745 FB
L739 FB
C712 .1
RTXD
REMOTXD
RSI2
RSI1
RS2
RS1
IC707
HD74HC4053FP
TP702 RST2
TP703 RST1
TP704 BOOT
STXD
RTXD
BRI
RES
SC
RDSR
RCTS
RDTR
RRTS
STXD
RRXD
UCTS
URTS
UTXD
URXD
PCB-PCCARD(1/2) CC
BA1
BA2
BA3
BA4
BA5
BA6
BA7
BA8
BA9
BA10
BA11
BA12
SH
IC706
LM75CIMX-5
C708 .1
L735 FB
IC702
24LC65T-I/SM
R713 4.7K
L734 FB
L736 FB
C707 .1
IC703
74ACT245MTC
C709 .1
R732 100
R733 100
TP701
HBCLK
ADOF
PVBZ



LVP-X100E CONTENTS

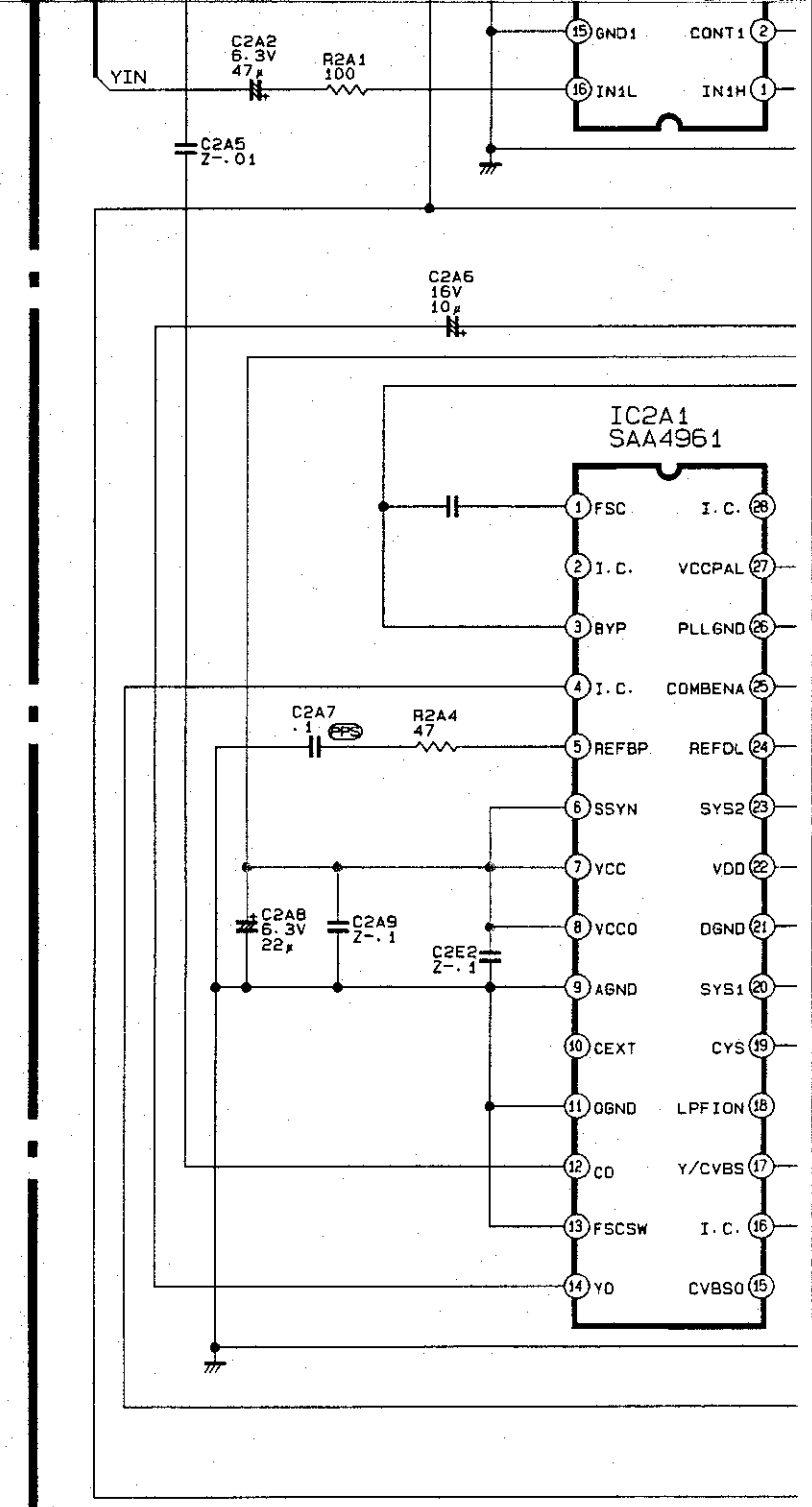


1
2
3
4
5
6
7
8
A
B
C
D
E
PCB-TEF
ISCL
ISDA
GND
YCS1
YCS2
GND
VOLC
SUBUCOM
PCB-MAIN(4/7)
BA15OUT
BCSRDZ
BCS2Z
BA15
ASIC2
PCB-MAIN(3/7)
FRZ
STALLZ
SACTZ
GMCLK
SUBUCOM
PCB-MAIN(4/7)
SW3.3
L490
FB
(1A)
C490
1μ
C494
.1
R453
10
C491
.1
C493
.1
IC405
EPM7032VLC44-15ΘSTLG
RSTZ
FRZIN
TSTIN
PDN
GND
CLKIN
SACTZIN
STALLZ
BA15IN
BCS2Z
VCC
BCSRDZ
BA15OUT
N.C.
5V
C2A3
Z-1μ
IC2A0
M52055FP
IN3H
GND3
IN2L
CONT2
VCC
IN2H
GND1
IN1L
IN3L
CONT3
OUT3
OUT2
GND2
OUT1
CONT1
IN1H
CIN
YIN
C2A1
K-.1
R2A0
100
C2A4
Z-.01
R2A2
100
C2A2
6.3V
47μ
R2A1
100
C2A5
Z-.01
C2A6
16V
10μ



ASIC3 ⚠ PCB-MAIN(5/7)

LVP-X100E CONTENTS



( ) : Not Employed

PCB-TERMINAL TC

GC

ISCL ISDA GND YCS1 YCS2 GND VOLC GND AUL GND-A AUR GND-A SW9 GND-A

IC350
UPC1406HA

VCC VOL1 OUT1 IN1 GND IN2 OUT2 VOL2 REG

C355 Z-2.2μ
C356 Z-2.2μ
C353 35V 4.7μ
C354 Z-1μ
C352 Z-.01
C362 Z-1μ
C363 Z-1μ

R351 10K
R352 10K
R353 2.2K
R354 2.2K
R355 22K
R356 22K
R357 22K
R358 22K
R350 10K

C350 Z-1μ
C351 Z-1μ

C2A3 Z-1μ
5V
L2A1 22
L2A0 FB

IC2A0
M52055FP

IN3H IN3L CONT3 GND3 OUT3 IN2L OUT2 CONT2 GND2 VCC OUT1 IN2H CONT1 GND1 IN1H IN1L

CIN
C2A1 K-.1
R2A0 100
C2A4 Z-.01
R2A2 100
YIN
C2A2 6.3V 47μ
R2A1 100
C2A5 Z-.01
R2A3 100
C2A6 16V 10μ

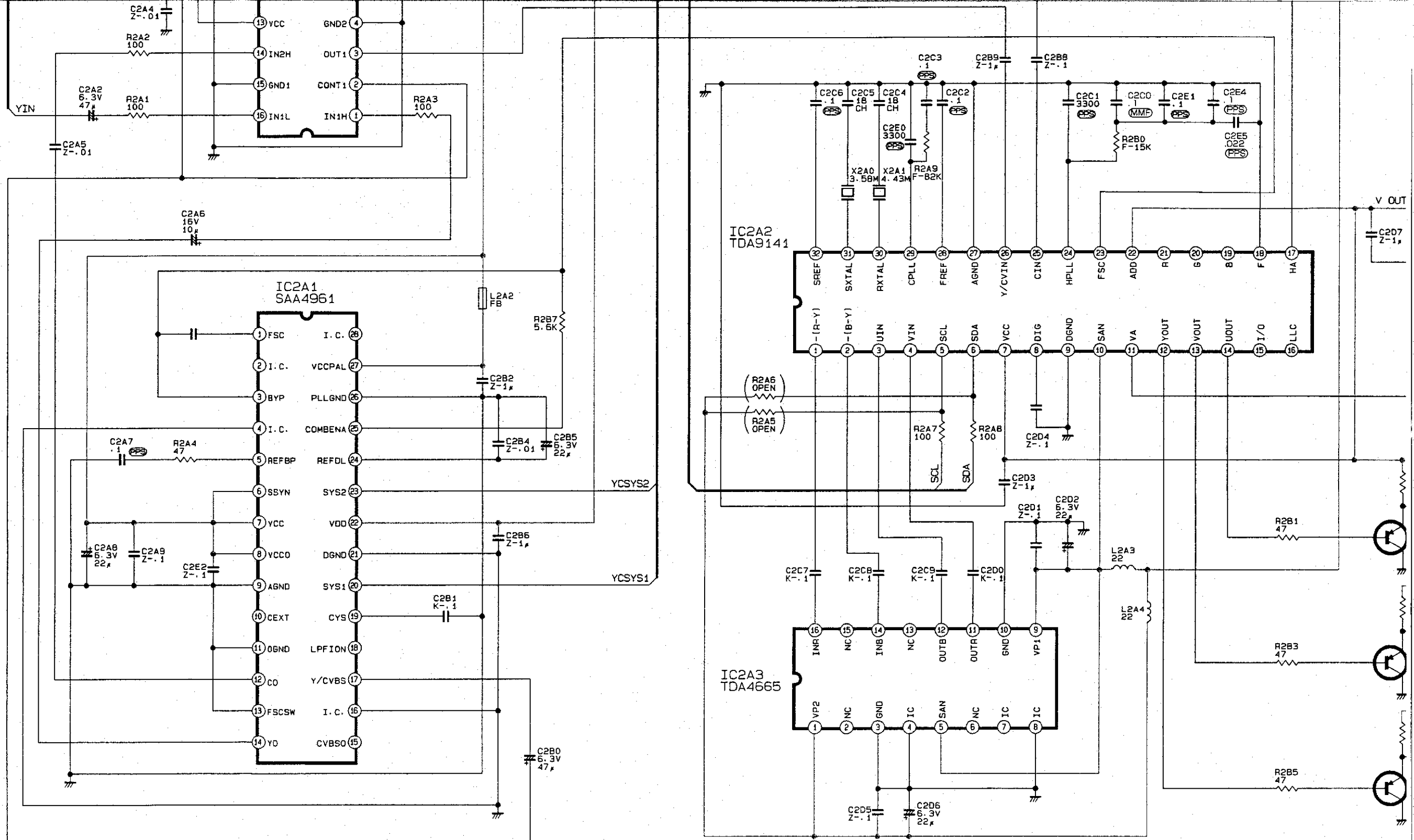
SW5V
C2B7 6.3V 47μ

C2C3 .1 PPS
C2B9 Z-1μ
C2B8 Z-.1
C2C6 .1 PPS
C2C5 18 CH
C2C4 18 CH
C2C2 .1 PPS
C2C1 3300 PPS
C2C0 .1 MMP
C2E1 .1 PPS
C2E4 .1 PPS
C2E0 3300 PPS
C2E5 .022 PPS
R2B0 F-15K
X2A0 3.58M
X2A1 4.43M
R2A9 F-82K

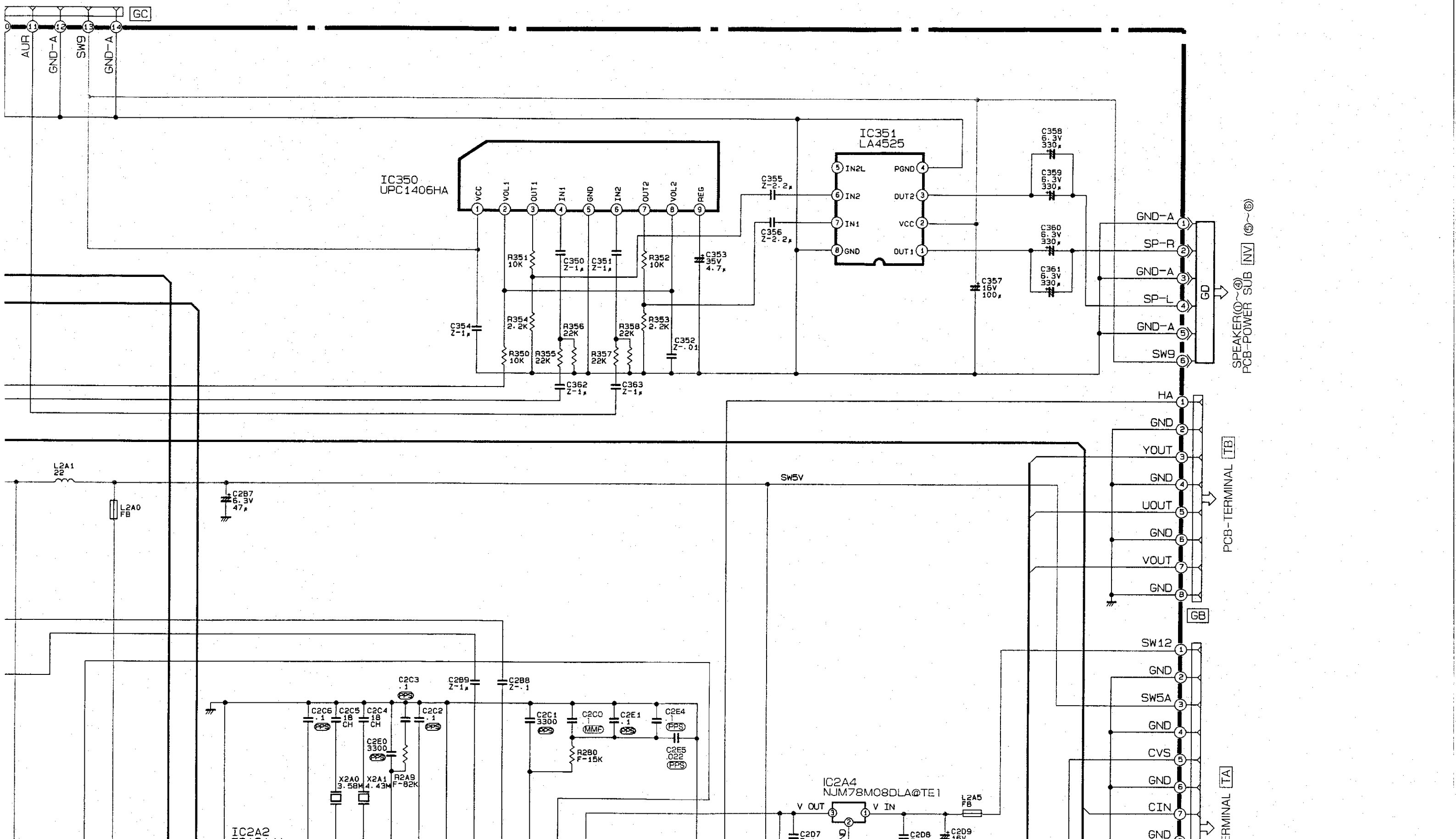
V OUT
C2D7 Z-1μ

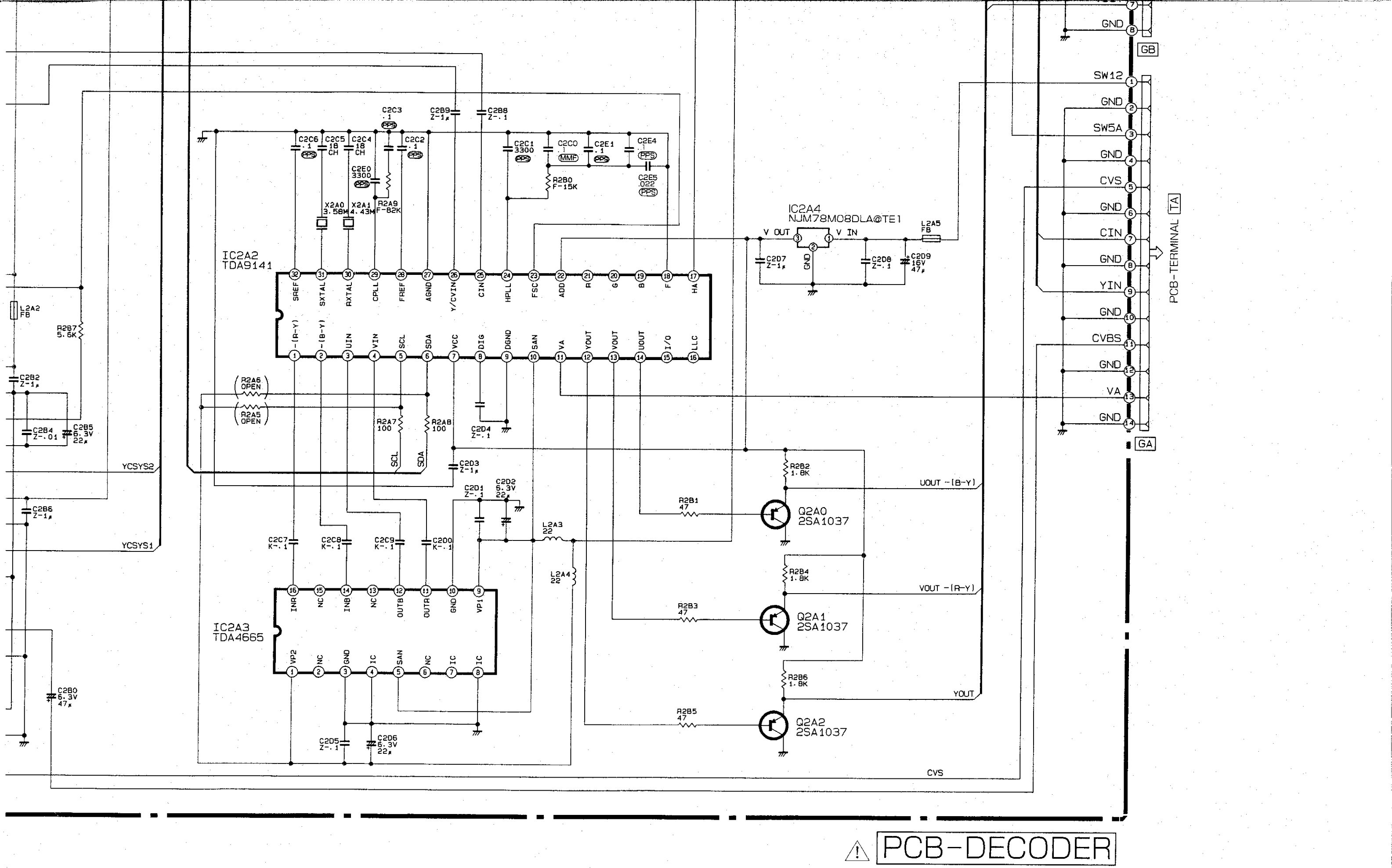
IC2A2
TDA9141

(5/7)

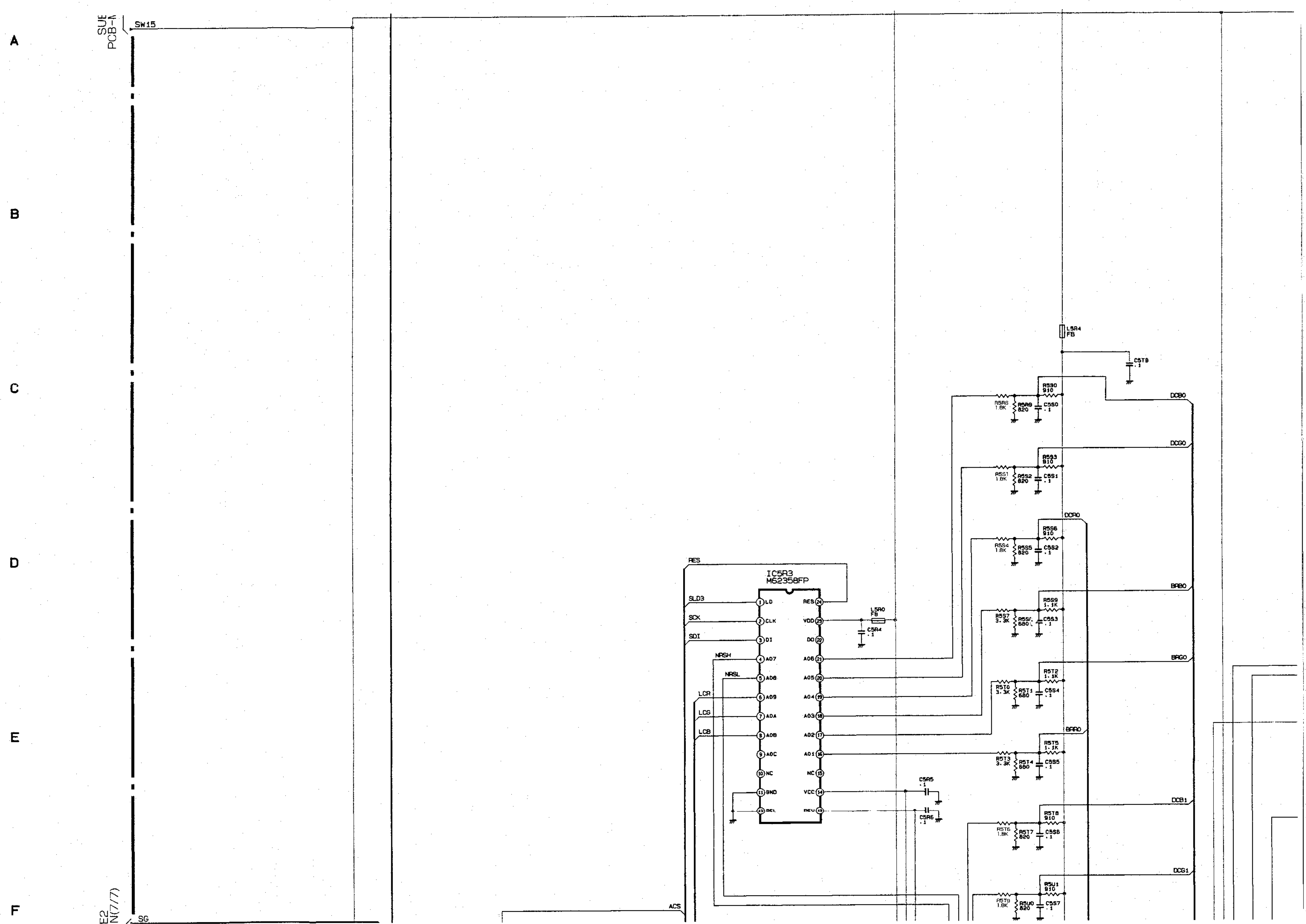


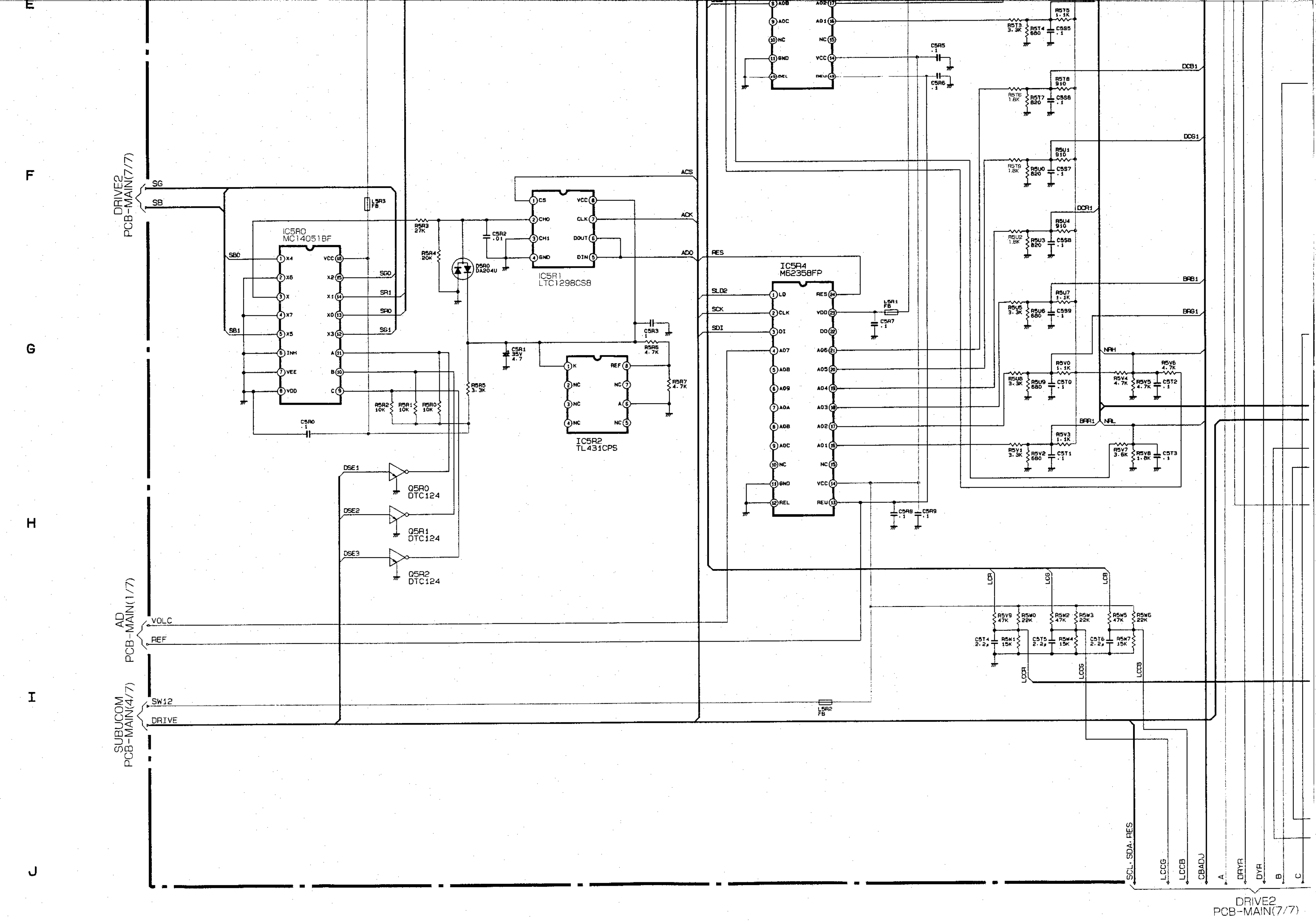
( ) : Not Employed


GC
AUR
GND-A
SW9
GND-A
IC350
UPC1406HA
VCC
VOL1
OUT1
IN1
GND
IN2
OUT2
VOL2
REG
R351 10K
C350 Z-1μ
C351 Z-1μ
R352 10K
C353 35V 4.7μ
C354 Z-1μ
R354 2.2K
R356 22K
R358 22K
R353 2.2K
C352 Z-.01
R350 10K
R355 22K
R357 22K
C362 Z-1μ
C363 Z-1μ
C355 Z-2.2μ
C356 Z-2.2μ
IC351
LA4525
IN2L
PGND
IN2
OUT2
IN1
VCC
GND
OUT1
C357 16V 100μ
C358 6.3V 330μ
C359 6.3V 330μ
C360 6.3V 330μ
C361 6.3V 330μ
GND-A
SP-R
GND-A
SP-L
GND-A
SW9
GD
SPEAKER(①~④) [NV] (⑤~⑥)
PCB-POWER SUB
HA
GND
YOUT
GND
UOUT
GND
VOUT
GND
PCB-TERMINAL [TB]
GB
L2A1 22
L2A0 FB
C2B7 6.3V 47μ
SW5V
C2C3 .1 PPS
C2B9 Z-1μ
C2B8 Z-.1
C2C6 .1 PPS
C2C5 18 CH
C2C4 18 CH
C2C2 .1 PPS
C2C1 3300 PPS
C2C0 .1 MMF
C2E1 .1 PPS
C2E4 .1 PPS
C2E0 3300 PPS
C2B0 F-15K
C2E5 .022 PPS
X2A0 3.58M
X2A1 4.43M
R2A9 F-82K
IC2A2
IC2A4
NJM78M08DLA@TE1
V OUT
V IN
L2A5 FB
C2D7
C2D8
C2D9 16V
SW12
GND
SW5A
GND
CVS
GND
CIN
GND
TERMINAL [TA]

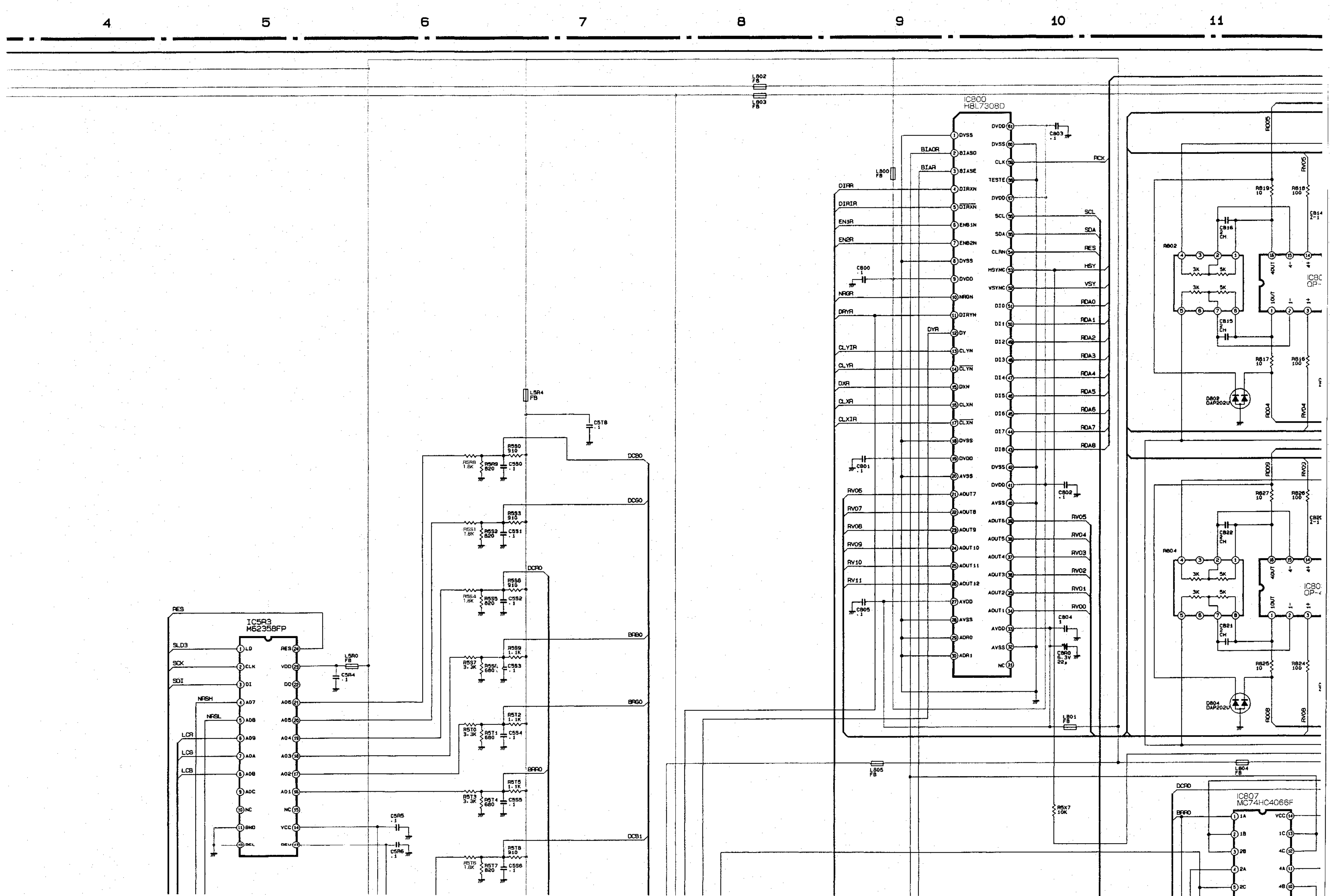

IC2A2
TDA9141
SREF
SXTAL
RXTAL
CPLL
FREF
AGND
Y/CVIN
CIN
HPLL
FSC
ADD
R
G
B
F
HA
-(R-Y)
-(B-Y)
UIN
VIN
SCL
SDA
VCC
DIG
DGND
SAN
VA
YOUT
VOUT
UOUT
I/O
LLC
IC2A4
NJM78M08DLA@TE1
V OUT
V IN
GND
IC2A3
TDA4665
INR
NC
INB
OUTB
OUTA
VP1
VP2
IC
SAN
Q2A0
2SA1037
Q2A1
2SA1037
Q2A2
2SA1037
SW12
SW5A
CVS
CIN
YIN
CVBS
VA
GND
GB
GA
PCB-TERMINAL TA
UOUT -(B-Y)
VOUT -(R-Y)
YOUT
CVS
YCSYS2
YCSYS1
SCL
SDA

PCB-DECODER


SUE
PCB-
SW15
SG
E2
N(7/7)
A
B
C
D
E
F
IC5R3
M62358FP
L5R4
FB
L5R0
FB
DCB0
DCG0
DCR0
BRB0
BRG0
BRR0
DCB1
DCG1
RES
SLD3
SCK
SDI
NRSH
NRSL
LCR
LCG
LCB
ACS



DRIVE2
PCB-MAIN(7/7)
SG
SB
IC5R0
MC14051BF
IC5R1
LTC1298CS8
IC5R2
TL431CPS
IC5R4
M62358FP
Q5R0
DTC124
Q5R1
DTC124
Q5R2
DTC124
D5R0
DA204U
ACS
ACK
ADO
RES
SLD2
SCK
SDI
SB0
SB1
SG0
SR1
SR0
SG1
DSE1
DSE2
DSE3
DCB1
DCG1
DCR1
BRB1
BRG1
NRH
NRL
BRR1
LCR
LCG
LCB
LCCR
LCCG
LCCB
AD
PCB-MAIN(1/7)
VOLC
REF
SUBUCOM
PCB-MAIN(4/7)
SW12
DRIVE
SCL, SDA, RES
LCCG
LCCB
CBADJ
A
DRYR
DYR
B
C
DRIVE2
PCB-MAIN(7/7)
E
F
G
H
I
J



4
5
6
7
8
9
10
11
IC800
H8L7308D
IC5R3
M62358FP
IC807
MC74HC4066F
D802
DAP202U
D804
DAP202U

IC5R1
LTC1298CS8

IC5R2
TL431CPS

IC5R4
M62358FP

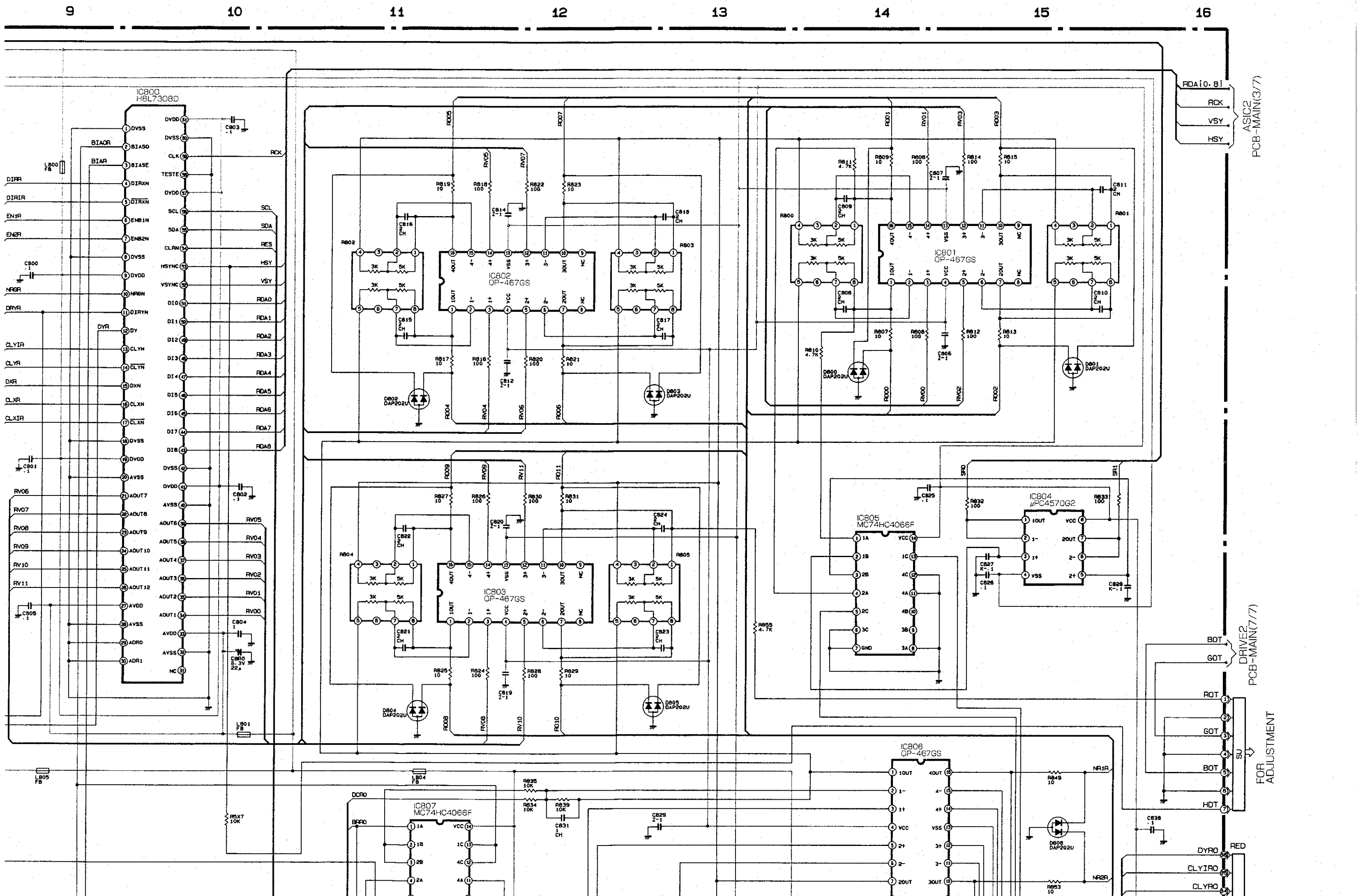
IC807
MC74HC4066F

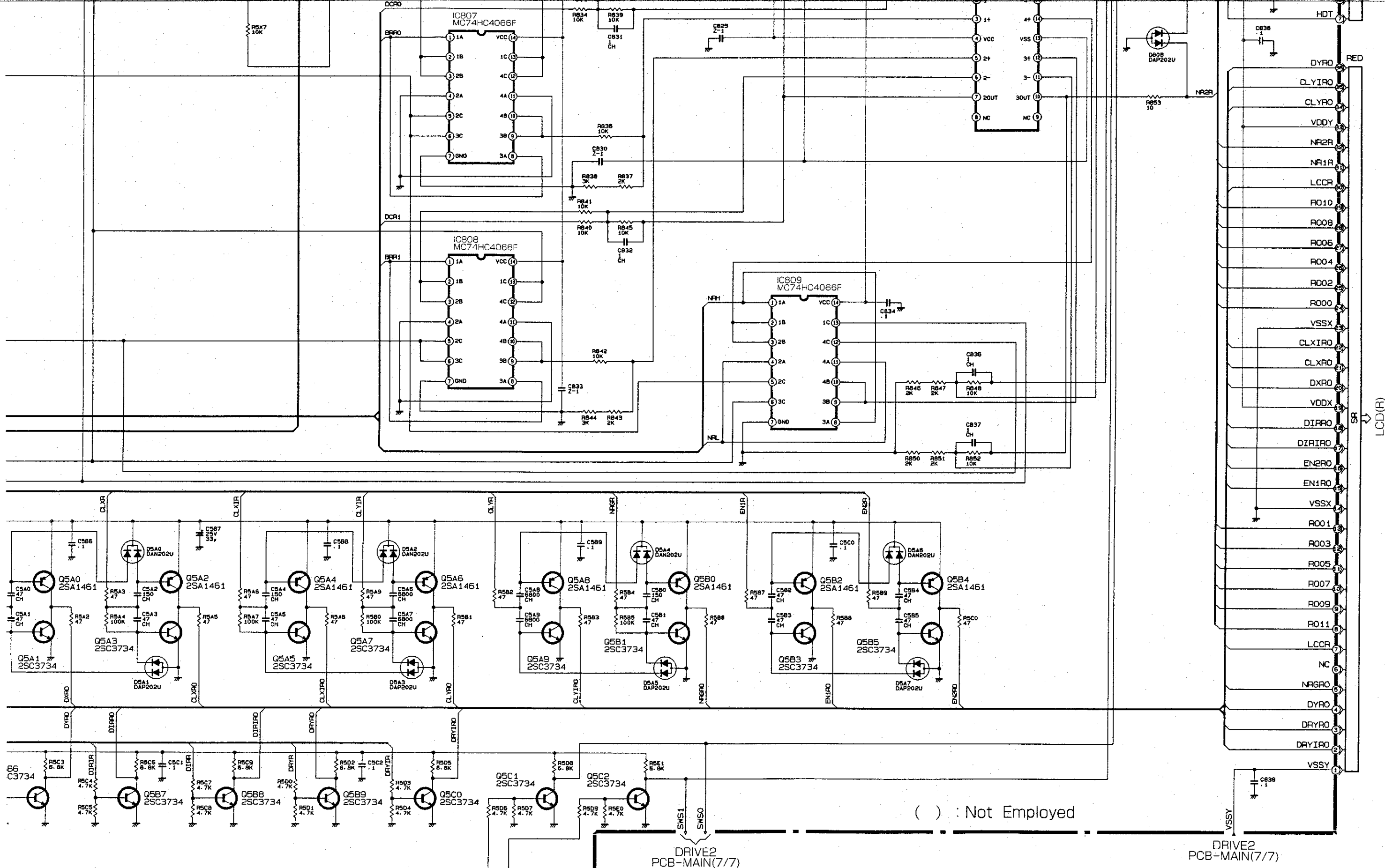
IC808
MC74HC4066F

DRIVE2
PCB-MAIN(7/7)

ASIC2
PCB-MAIN(3/7)

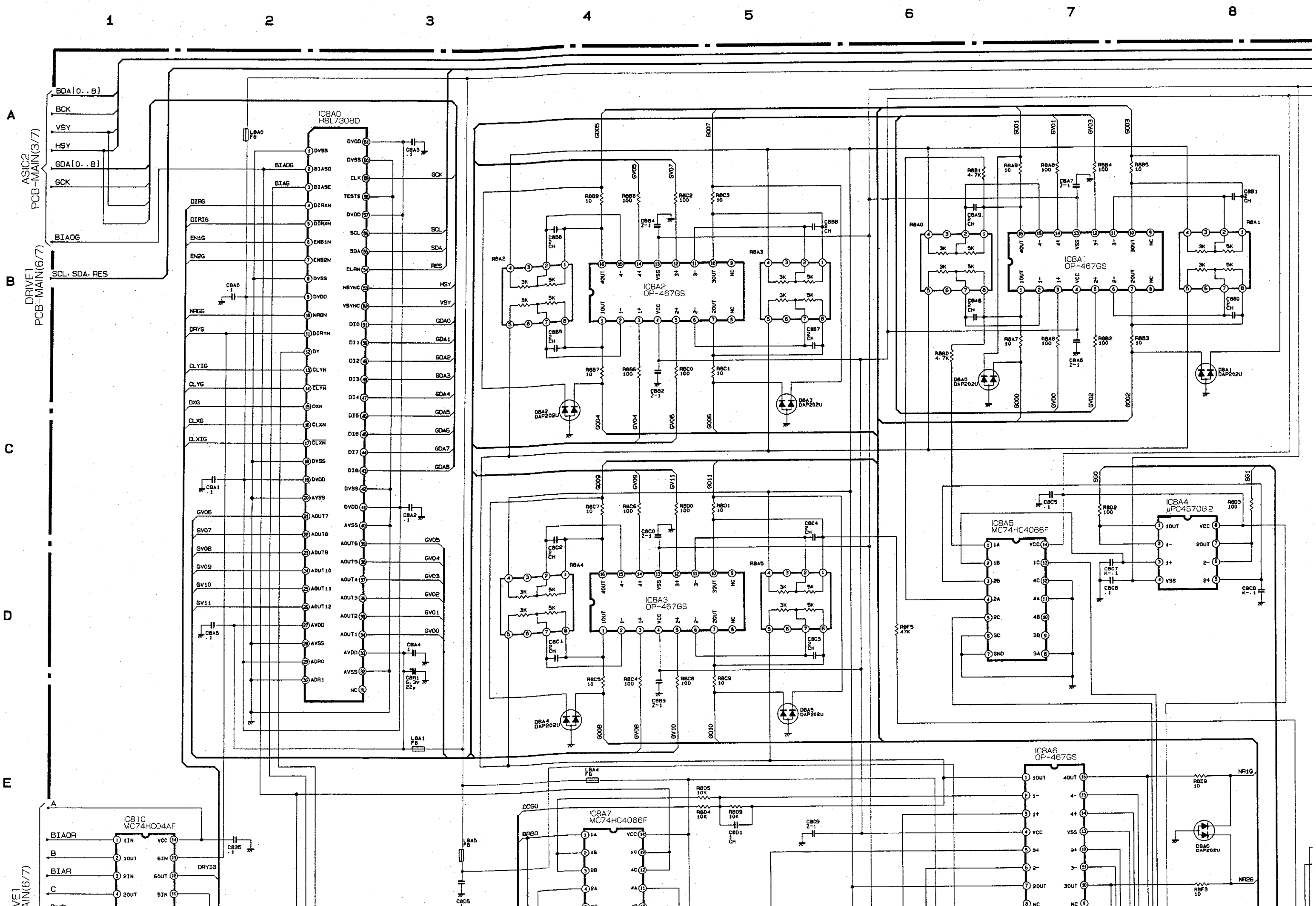
LVP-X100E CONTENTS


9
10
11
12
13
14
15
16
IC800
H8L7308D
IC801
OP-467GS
IC802
OP-467GS
IC803
OP-467GS
IC804
μPC4570G2
IC805
MC74HC4066F
IC806
OP-467GS
IC807
MC74HC4066F
RDA[0.8]
RCK
VSY
HSY
ASIC2
PCB-MAIN(3/7)
DRIVE2
PCB-MAIN(7/7)
FOR ADJUSTMENT
SU
BOT
GOT
ROT
HDT
DYRO
CLYIRO
CLYRO
RED
BIAOR
BIAIR
DIRR
DIRIR
ENIR
ENOR
NRGR
DRYR
DYR
CLYIR
CLYR
DXR
CLXR
CLXIR
SCL
SDA
RES
HSY
VSY
RDA0
RDA1
RDA2
RDA3
RDA4
RDA5
RDA6
RDA7
RDA8
RV00
RV01
RV02
RV03
RV04
RV05
RV06
RV07
RV08
RV09
RV10
RV11
NR1R
NR2R
DCR0
BGR0
D800 DAP202U
D801 DAP202U
D802 DAP202U
D803 DAP202U
D804 DAP202U
D805 DAP202U
D806 DAP202U



LVP-X100E CONTENTS

DRIVE1 ⚠ PCB-MAIN(6/7)


1
2
3
4
5
6
7
8
A
B
C
D
E
BDA[0..8]
BCK
VSY
HSY
GDA[0..8]
GCK
BIAOG
SCL. SDA. RES
ASIC2
PCB-MAIN(3/7)
DRIVE1
PCB-MAIN(6/7)
IC8A0
H8L7308D
IC8A1
OP-467GS
IC8A2
OP-467GS
IC8A3
OP-467GS
IC8A4
μPC4570G2
IC8A5
MC74HC4066F
IC8A6
OP-467GS
IC8A7
MC74HC4066F
IC810
MC74HC04AF
DBA0 DAP202U
DBA1 DAP202U
DBA2 DAP202U
DBA3 DAP202U
DBA4 DAP202U
DBA5 DAP202U
DBA6 DAP202U
RBA0
RBA1
RBA2
RBA3
RBA4
RBA5
RBA7
RBA8
RBA9
RBB0 4.7K
RBB1 4.7K
RBB2 100
RBB3 10
RBB4 100
RBB5 10
RBB6 100
RBB7 10
RBB8 100
RBB9 10
RBC0 100
RBC1 10
RBC2 100
RBC3 10
RBC4 100
RBC5 10
RBC6 100
RBC7 10
RBC8 100
RBC9 10
RBD0 100
RBD1 10
RBD2 100
RBD3 100
RBD4 10K
RBD5 10K
RBD9 10K
RBE9 10
RBF3 10
RBF5 47K
CBA0 .1
CBA1 .1
CBA2 .1
CBA3 .1
CBA4 1
CBA5 .1
CBA6 2-1
CBA7 2-1
CBA8 2CH
CBA9 2CH
CBB1 2CH
CBB2 2-1
CBB3 2CH
CBB4 2-1
CBB5 2CH
CBB6 2CH
CBB7 2CH
CBB8 2CH
CBB9 2-1
CBC0 2-1
CBC1 2CH
CBC2 2CH
CBC3 2CH
CBC4 2CH
CBC5 .1
CBC6 .1
CBC7 K-.1
CBC8 K-.1
CBC9 2-1
CBD1 2CH
CBD5 .1
CBE5 .1
CBR1 50 3V 22P
LBA0 FB
LBA1 FB
LBA4 FB
LBA5 FB
BIAOG
BIAG
DIRG
DIRIG
EN1G
EN2G
NRGG
DRYG
CLYIG
CLYG
DXG
CLXG
CLXIG
GCK
SCL
SDA
RES
HSY
VSY
GDA0
GDA1
GDA2
GDA3
GDA4
GDA5
GDA6
GDA7
GDA8
GV06
GV07
GV08
GV09
GV10
GV11
GV05
GV04
GV03
GV02
GV01
GV00
DRYIG
DCG0
BRG0
NR1G
NR2G
SG0
SG1

DRIVE1
PCB-MAIN(6/7)

F

G

H

I

J

IC810
MC74HC04AF

BIAOR
B
BIAR
C
DYR
D
DRYIR
DRYR

C895 .1
DRYIG
R5X5 OPEN
R5X2 0
R5X1 0
R5X4 OPEN

IC8A7
MC74HC4066F

BRGO
L8A5 FB
C8D5 .1
R8D4 10K
R8D9 10K
C8D1 1 CH
C8D9 2-1
R8D6 10K
C8D0 2-1
R8D8 3K
R8D7 2K
R8E1 10K
R8E0 10K
R8E5 10K
C8D2 1 CH

DCG1

IC8A8
MC74HC4066F

BRG1
R8E2 10K
C8D3 2-1
R8E4 3K
R8E3 2K

IC8A9
MC74HC4066F

NRH
NRL
C8D4 .1
C8D6 1 CH
R8E6 2K
R8E7 2K
R8E8 10K
C8D7 1 CH
R8F0 2K
R8F1 2K
R8F2 10K

IC
5 1+
4 VCC
6 2+
5 2-
7 2OUT
8 NC
4+ 14
VSS 13
3+ 12
3- 11
3OUT 10
NC 9

D8A6 DAP202U
R8F3 10
NR2G

DXG
CLXG
CLXIG
CLYIG
CLYG
NRGG
ENIG
ENGG

Q5F0 2SA1461
Q5F1 2SC3734
Q5F2 2SA1461
Q5F3 2SC3734
Q5F4 2SA1461
Q5F5 2SC3734
Q5F6 2SA1461
Q5F7 2SC3734
Q5F8 2SA1461
Q5F9 2SC3734
Q5G0 2SA1461
Q5G1 2SC3734
Q5G2 2SA1461
Q5G3 2SC3734
Q5G4 2SA1461
Q5G5 2SC3734

D5F0 DAN202U
D5F1 DAP202U
D5F2 DAN202U
D5F3 DAP202U
D5F4 DAN202U
D5F5 DAP202U
D5F6 DAN202U
D5F7 DAP202U

LBF0 FB

DXGO
DIRGO
DIRIGO
DRYGO
DRYIGO

Q5G6 2SC3734
Q5G7 2SC3734
Q5G8 2SC3734
Q5G9 2SC3734
Q5H0 2SC3734

LBM0 FB
Q5R4 2SA1037
Q5R3 2SA1037
C8D9 16V 22
R5X0 1K
C8D8 .1

VSSY DRYIGO DRYGO DYGO NRGGO NC LCCG GO11 GO09 GO07 GO05 GO03 GO01 VSSX EN1GO EN2GO DIRIGO DIRGO VDDX DXGO CLXGO CLXIGO VSSX GO00 GO02 GO04 GO06 GO08 GO10 LCCG NR1G NR2G VDDY CLYGO CLYIGO DYGO

SG
GREEN
LCD(G)

LVP-X100E CONTENTS

SUBUCOM PCB-MAIN(4/7)

SW5A SW7 SW15

IC8A1 OP-467GS

IC8A4 μPC4570G2

IC8A5 MC74HC4066F

IC8A6 OP-467GS

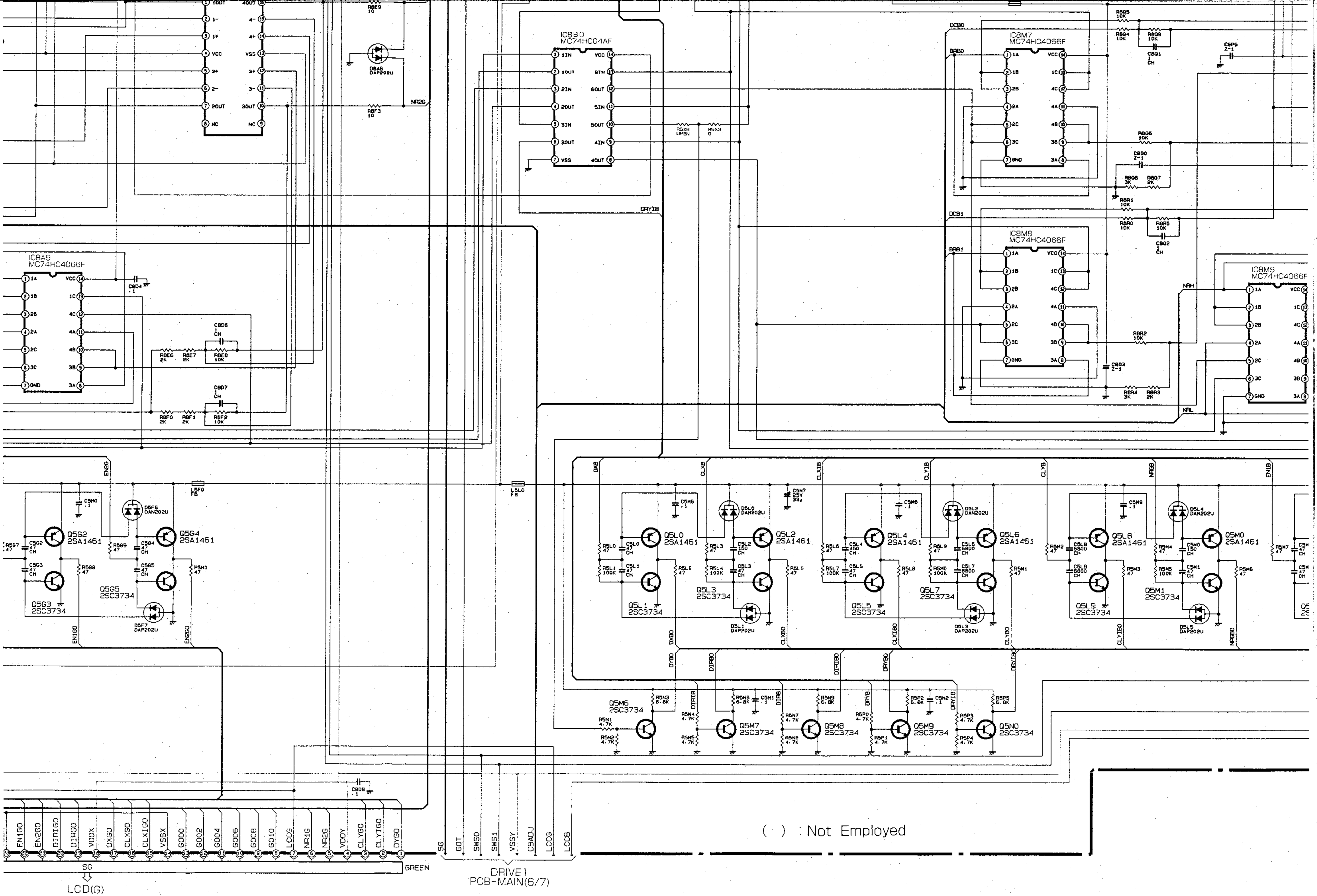
IC8M0 H8L7308D

IC8M2 OP-467GS

IC8M3 OP-467GS

IC8M7 MC74HC4066F

IC8B0 MC74HC04AF


IC8B0
MC74HC04AF
IC8M7
MC74HC4066F
IC8M8
MC74HC4066F
IC8M9
MC74HC4066F
IC8A9
MC74HC4066F
Q5G2
2SA1461
Q5G4
2SA1461
Q5G3
2SC3734
Q5G5
2SC3734
Q5L0
2SA1461
Q5L2
2SA1461
Q5L4
2SA1461
Q5L6
2SA1461
Q5L8
2SA1461
Q5M0
2SA1461
Q5L1
2SC3734
Q5L3
2SC3734
Q5L5
2SC3734
Q5L7
2SC3734
Q5L9
2SC3734
Q5M1
2SC3734
Q5M6
2SC3734
Q5M7
2SC3734
Q5M8
2SC3734
Q5M9
2SC3734
Q5N0
2SC3734
EN1G0
EN2G0
DIR1G0
DIRG0
VDDX
DXG0
CLXG0
CLX1G0
VSSX
G000
G002
G004
G006
G008
G010
LCCG
NR1G
NR2G
VDDY
CLYG0
CLY1G0
DYG0
GREEN
SG
LCD(G)
SG
GOT
SWS0
SWS1
VSSY
CBADJ
LCCG
LCCB
DRIVE1
PCB-MAIN(6/7)
( ) : Not Employed

9 10 11 12 13 14 15 16

SUBUCOM
PCB-MAIN(4/7)

SW5A SW7 SW15

IC8M0
H8L7308D

DVSS DVDD DVSS CLK TESTE DVDD SCL SDA CLRN HSYNC VSYNC DI0 DI1 DI2 DI3 DI4 DI5 DI6 DI7 DI8 DVSS DVDD AVSS AOUT7 AOUT6 AOUT5 AOUT4 AOUT3 AOUT2 AOUT1 AVDD AVSS ADR0 ADR1 NC

BIAOB BIAB BIASO BIASE DIRXN DIRXN ENB1N ENB2N DVSS DVDD NRGN DIRYN DY CLYN CLYN DXN CLXN CLXN DVSS DVDD AVSS AOUT7 AOUT8 AOUT9 AOUT10 AOUT11 AOUT12 AVDD AVSS ADR0 ADR1

DIRB DIAIB EN1B EN2B NRGB DRYB CLYIB CLYB DXB CLXB CLXIB BV06 BV07 BV08 BV09 BV10 BV11

BCK SCL SDA RES HSY VSY BDA0 BDA1 BDA2 BDA3 BDA4 BDA5 BDA6 BDA7 BDA8 BV05 BV04 BV03 BV02 BV01 BV00

C8M0 .1 C8M1 .1 C8M2 .1 C8M3 .1 C8M4 1 C8M5 .1 C8R2 6.3V 22

L8M0 FB L8M1 FB

IC8M2 OP-467GS
IC8M3 OP-467GS
IC8M1 OP-467GS

R8M0 4.7K R8M1 4.7K R8M2 R8M3 R8M4 R8M5 R8M6 100 R8M7 10 R8M8 100 R8M9 10 R8N0 4.7K R8N1 4.7K R8N2 100 R8N3 10 R8N4 100 R8N5 10 R8N6 100 R8N7 10 R8N8 100 R8N9 10 R8P0 100 R8P1 10 R8P2 100 R8P3 10 R8P4 100 R8P5 10 R8P6 100 R8P7 10 R8P8 100 R8P9 10 R8Q0 100 R8Q1 10 R8Q2 100 R8Q3 100 R8S5 4.7K

C8M6 2-1 C8M7 2-1 C8M8 2-1 C8M9 2-1 C8N0 2-1 C8N1 2-1 C8N4 2-1 C8N5 2-1 C8N6 2-1 C8N7 2-1 C8P0 2-1 C8P1 2-1 C8P2 2-1 C8P3 2-1 C8P4 2-1 C8P9 2-1

D8M0 DAP202U D8M1 DAP202U D8M2 DAP202U D8M3 DAP202U D8M4 DAP202U D8M5 DAP202U D8M6 DAP202U

IC8M5 MC74HC4066F
IC8M4 μPC4570G2
IC8M6 OP-467GS
IC8M7 MC74HC4066F
IC8B0 MC74HC04AF

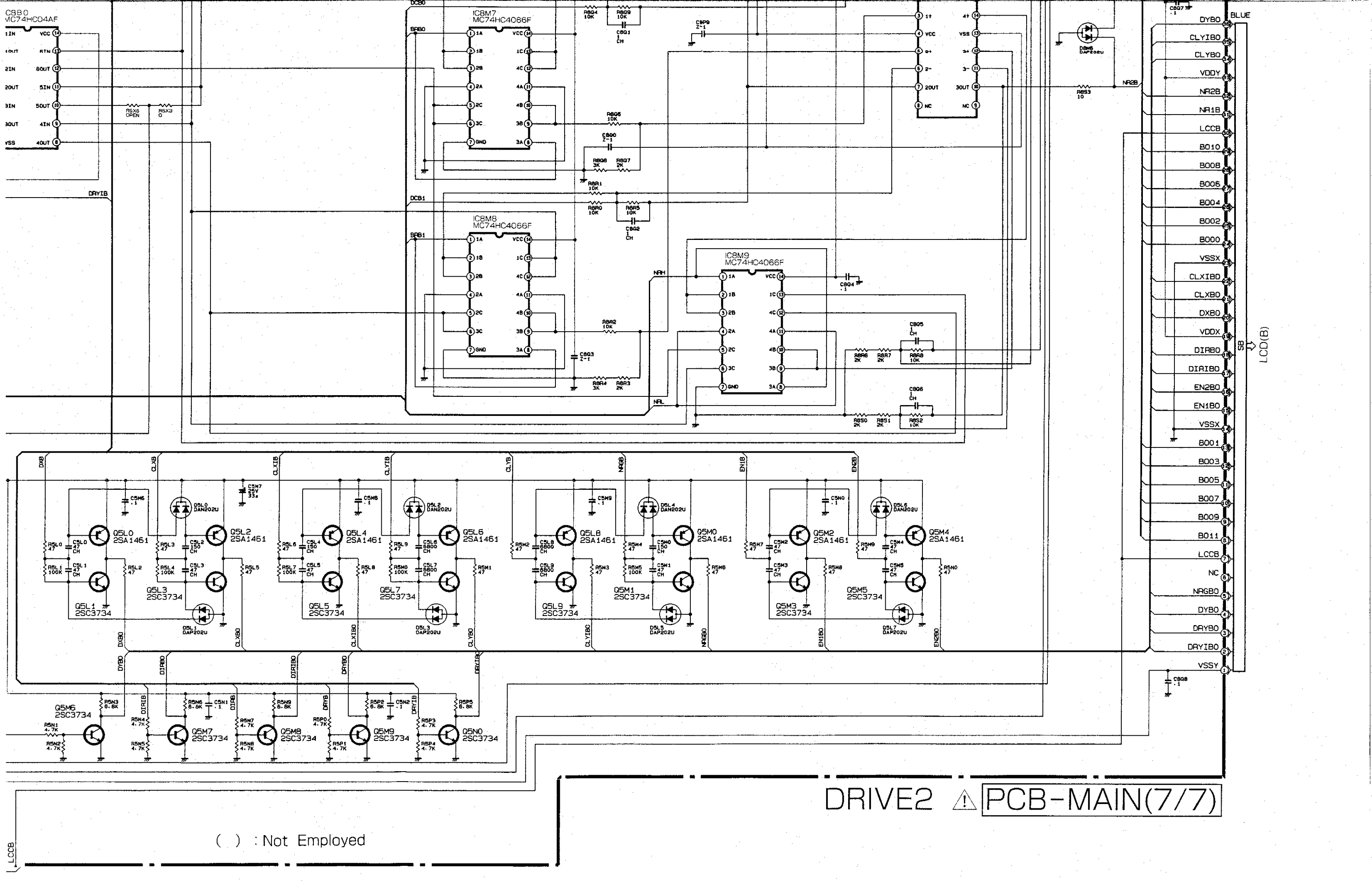
C8P5 .1 C8P6 .1 C8P7 K-.1 C8P8 K-.1 C8Q1 .1 C8Q7 .1

R8S3 10 R8S6 OPEN R8S7 0 R8Q5 10K R8Q4 10K R8Q9 10K

SB BQT NA1B NA2B DYBO BLUE CLYIBO CLYBO VDDY NA2B NA1B

DRIVE1
PCB-MAIN(6/7)

DRIVE1
PCB-MAIN(6/7)


C8B0
VC74HC04AF
IC8M7
MC74HC4066F
IC8M8
MC74HC4066F
IC8M9
MC74HC4066F
DCB0
BRB0
DCB1
BRB1
DRYIB
NRH
NRL
R8A4 10K
R8A9 10K
C8Q1 1 CH
C8P9 2-1
R8A6 10K
C8Q0 2-1
R8A8 3K
R8A7 2K
R8A1 10K
R8A0 10K
R8A5 10K
C8Q2 1 CH
R8A2 10K
C8Q3 2-1
R8A4 3K
R8A3 2K
C8Q4 .1
C8Q5 1 CH
R8A6 2K
R8A7 2K
R8A8 10K
C8Q6 1 CH
R8A0 2K
R8A1 2K
R8A2 10K
R5X6 OPEN
R5X3 0
D8M6 DAP202U
R8B3 10
NR2B
C8Q7 .1
DYB0
CLYIB0
CLYB0
VDDY
NR2B
NR1B
LCCB
B010
B008
B006
B004
B002
B000
VSSX
CLXIB0
CLXB0
DXB0
VDDX
DIRB0
DIRIB0
EN2B0
EN1B0
VSSX
B001
B003
B005
B007
B009
B011
LCCB
NC
NRGB0
DYB0
DRYB0
DRYIB0
VSSY
C8Q8 .1
BLUE
SB
LCD(B)
DXB
CLXB
CLXIB
CLYIB
CLYB
NRGB
ENIB
ENB
Q5L0 2SA1461
Q5L1 2SC3734
Q5L2 2SA1461
Q5L3 2SC3734
Q5L4 2SA1461
Q5L5 2SC3734
Q5L6 2SA1461
Q5L7 2SC3734
Q5L8 2SA1461
Q5L9 2SC3734
Q5M0 2SA1461
Q5M1 2SC3734
Q5M2 2SA1461
Q5M3 2SC3734
Q5M4 2SA1461
Q5M5 2SC3734
Q5M6 2SC3734
Q5M7 2SC3734
Q5M8 2SC3734
Q5M9 2SC3734
Q5N0 2SC3734
DXB0
CLXB0
CLXIB0
CLYIB0
CLYB0
NRGB0
ENIB0
ENB0
DIRB0
DIRIB0
DRYB0
DRYIB0
DRIVE2 ⚠ PCB-MAIN(7/7)
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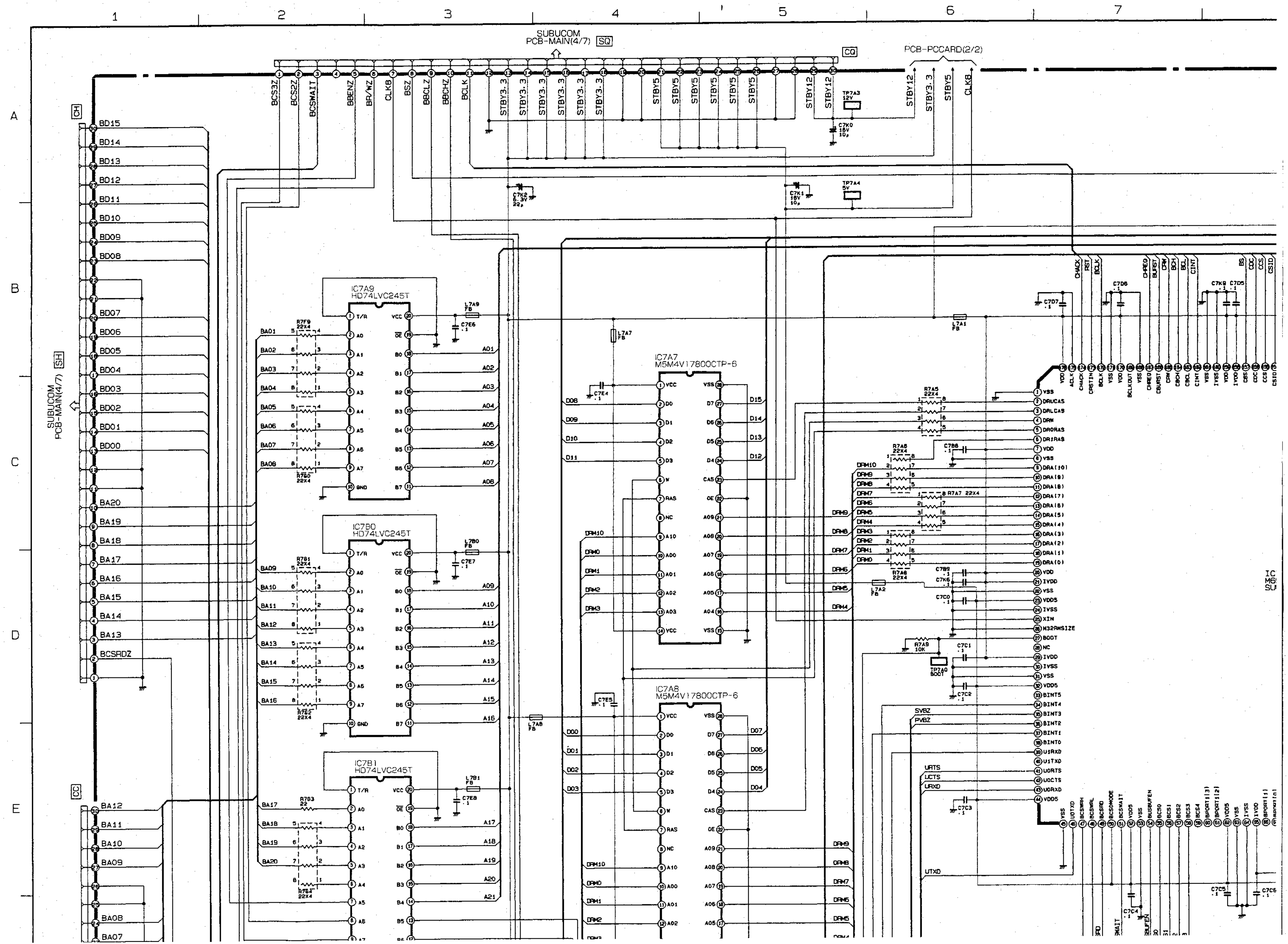
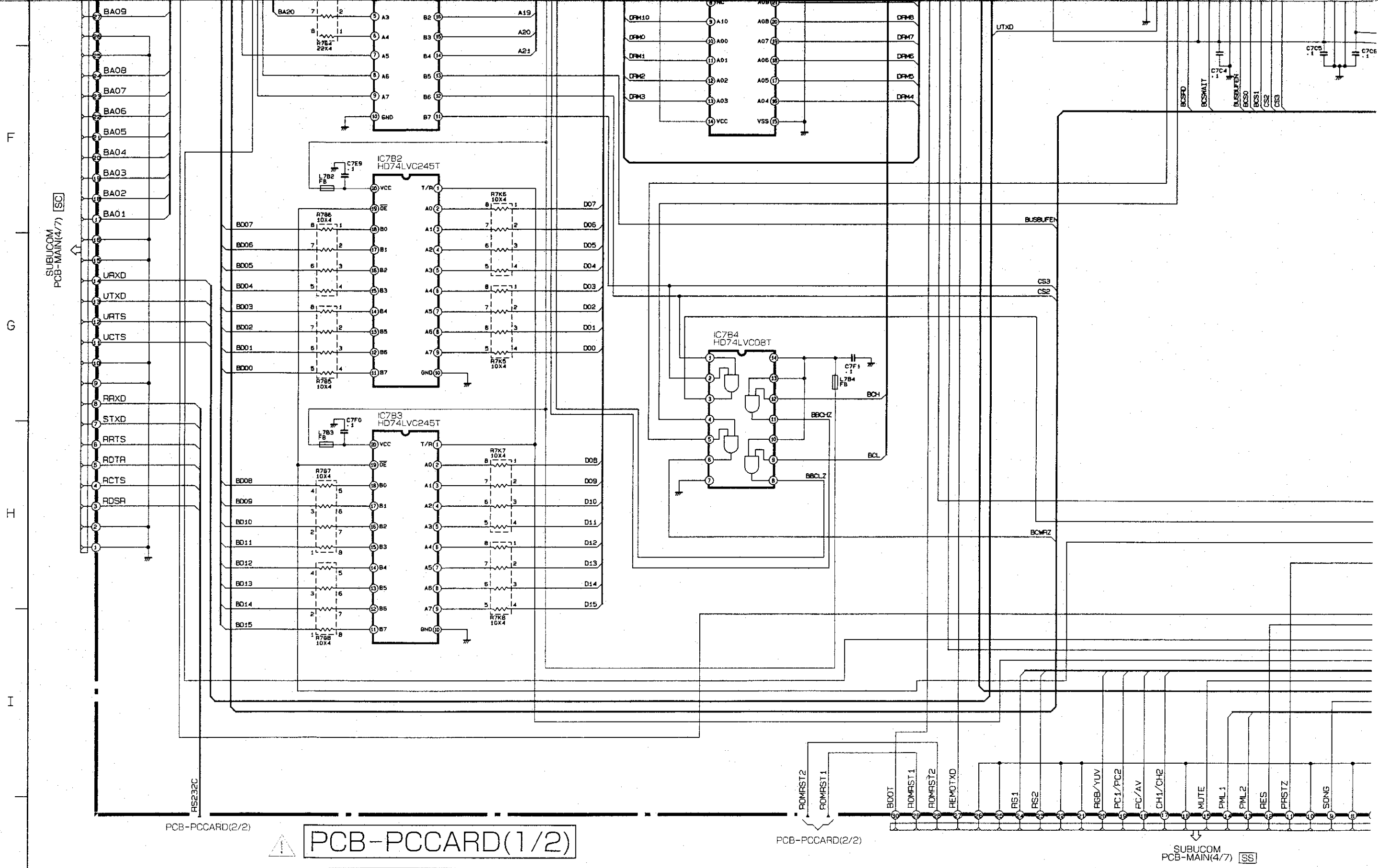
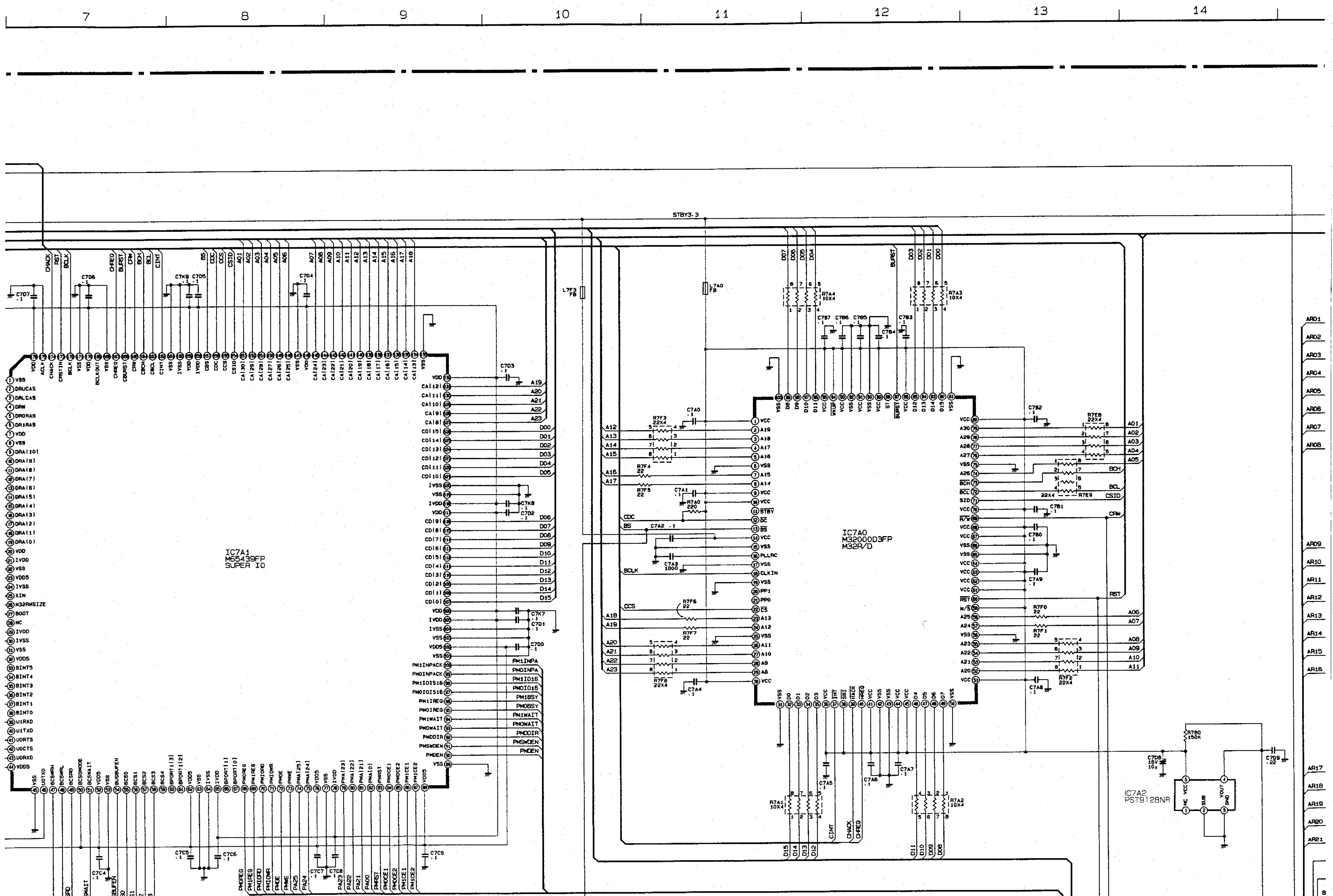

SUBUCOM PCB-MAIN(4/7) SQ
PCB-PCCARD(2/2)
SUBUCOM PCB-MAIN(4/7) SH
IC7A9 HD74LVC245T
IC7B0 HD74LVC245T
IC7B1 HD74LVC245T
IC7A7 M5M4V17800CTP-6
IC7A8 M5M4V17800CTP-6

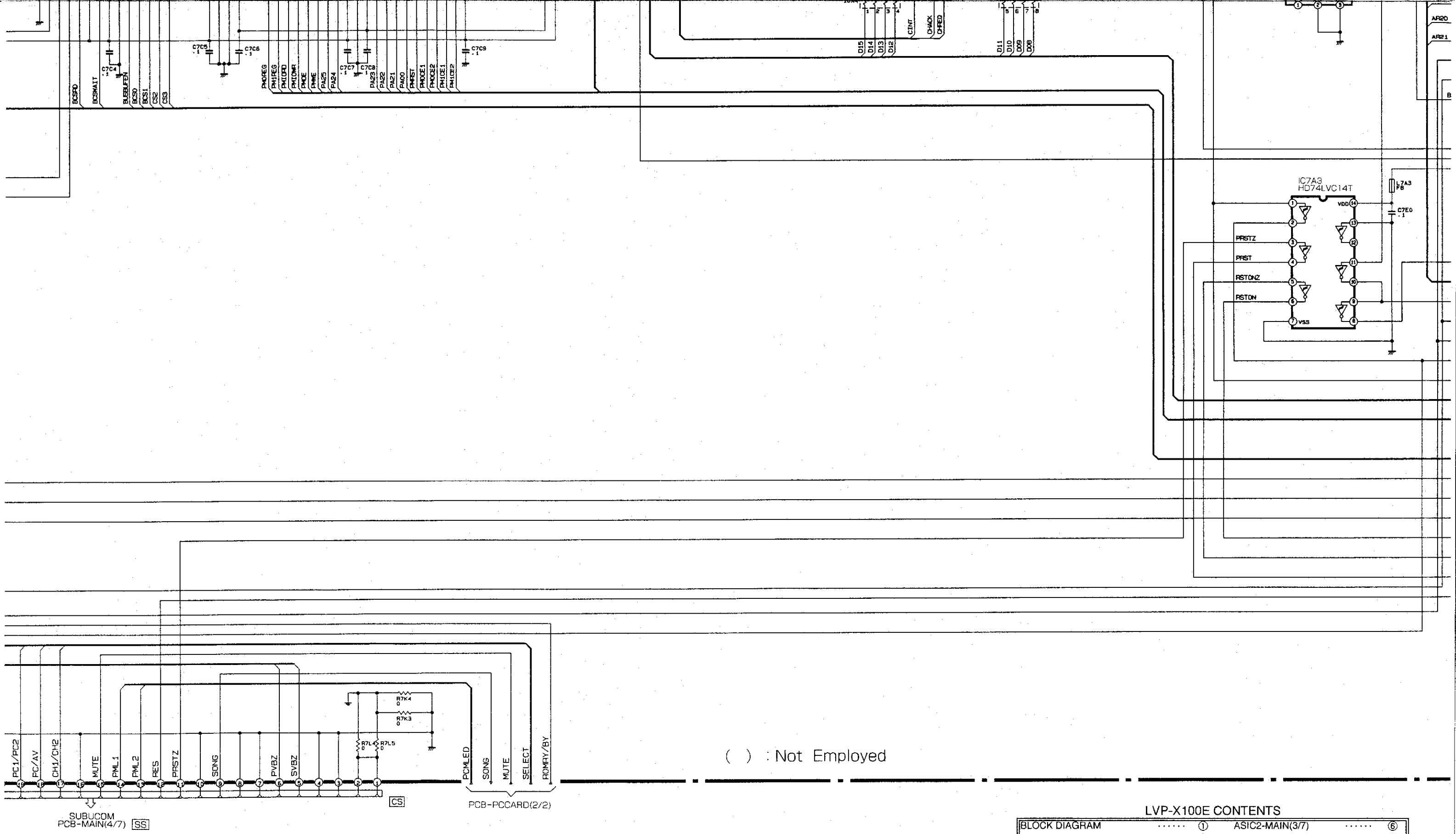


R7K3	R7K4	R7L4	R7L5
×	×	×	×

11



7
8
9
10
11
12
13
14
STBY3.3
IC7A1
M65439FP
SUPER IO
IC7A0
M32000D3FP
M32R/D
IC7A2
PST9128NR



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LVP-X100E CONTENTS

IC74A
HD74LVC245T

IC74B
HD74LVC245T

IC74C
HD74LVC245T

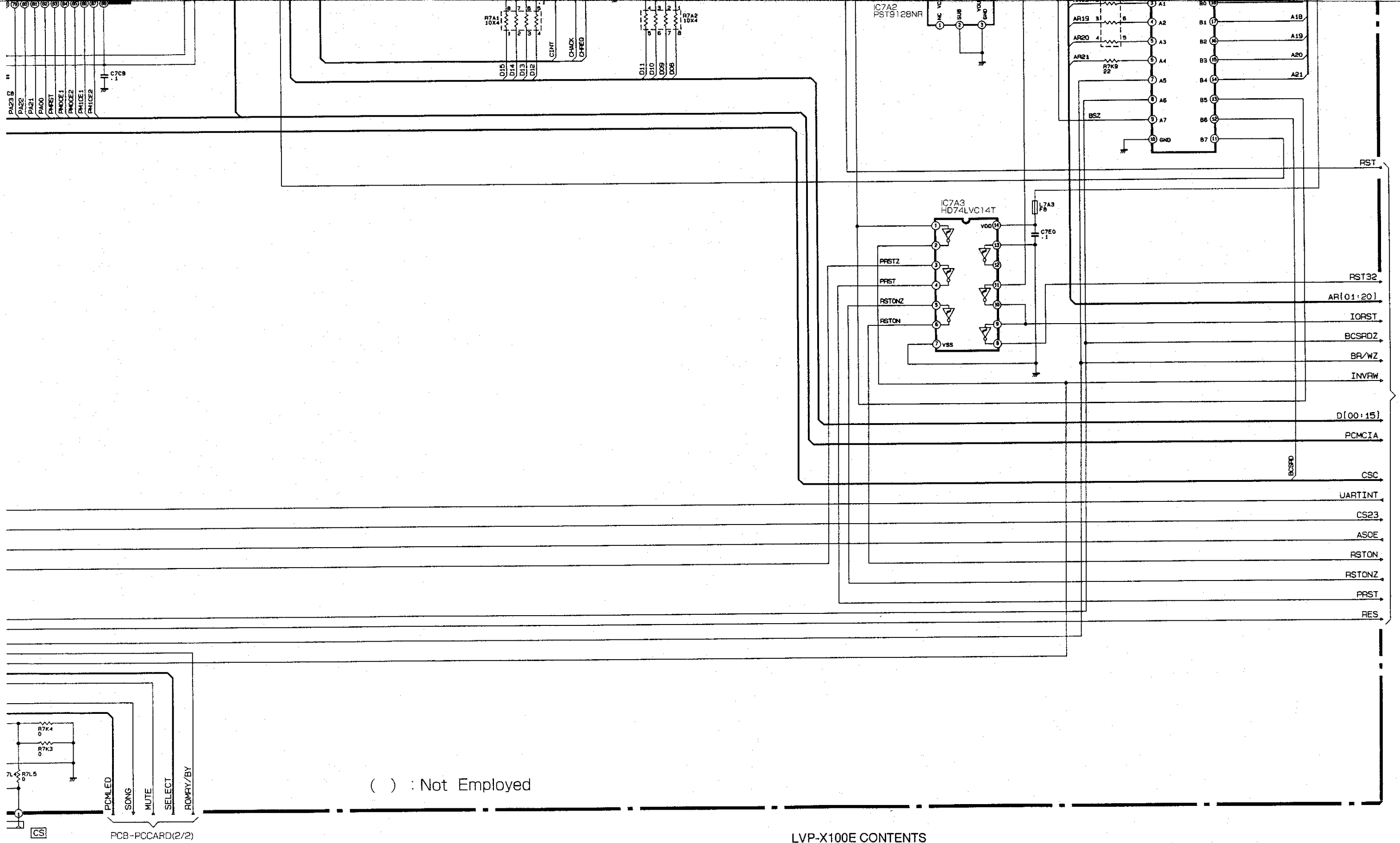
IC74D
HD74LVC245T

IC74O
M32200D3FP
M32R/D

IC74Z
PST9128NR

STBY3.3

16 15 14 13 12 11 10 9



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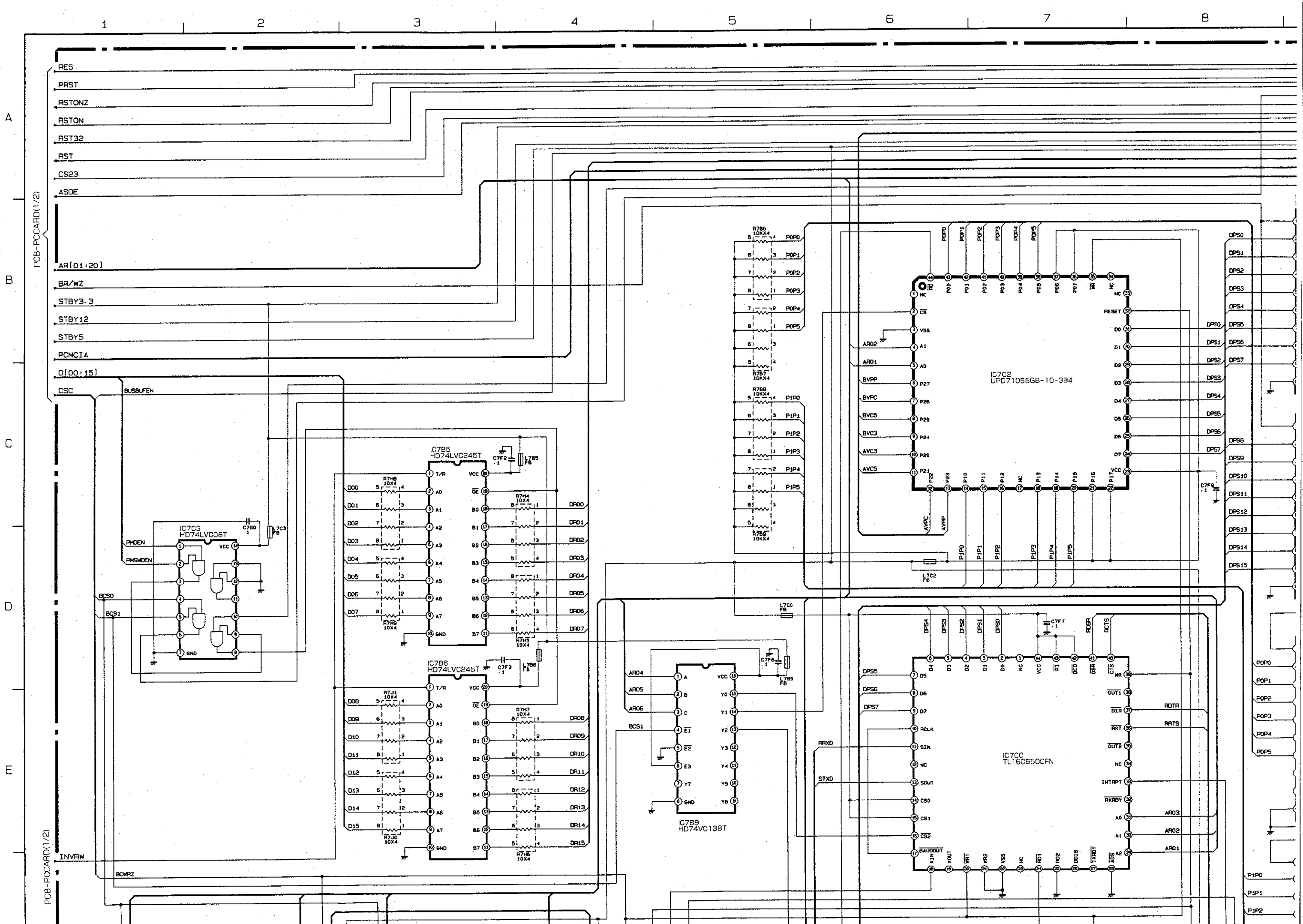
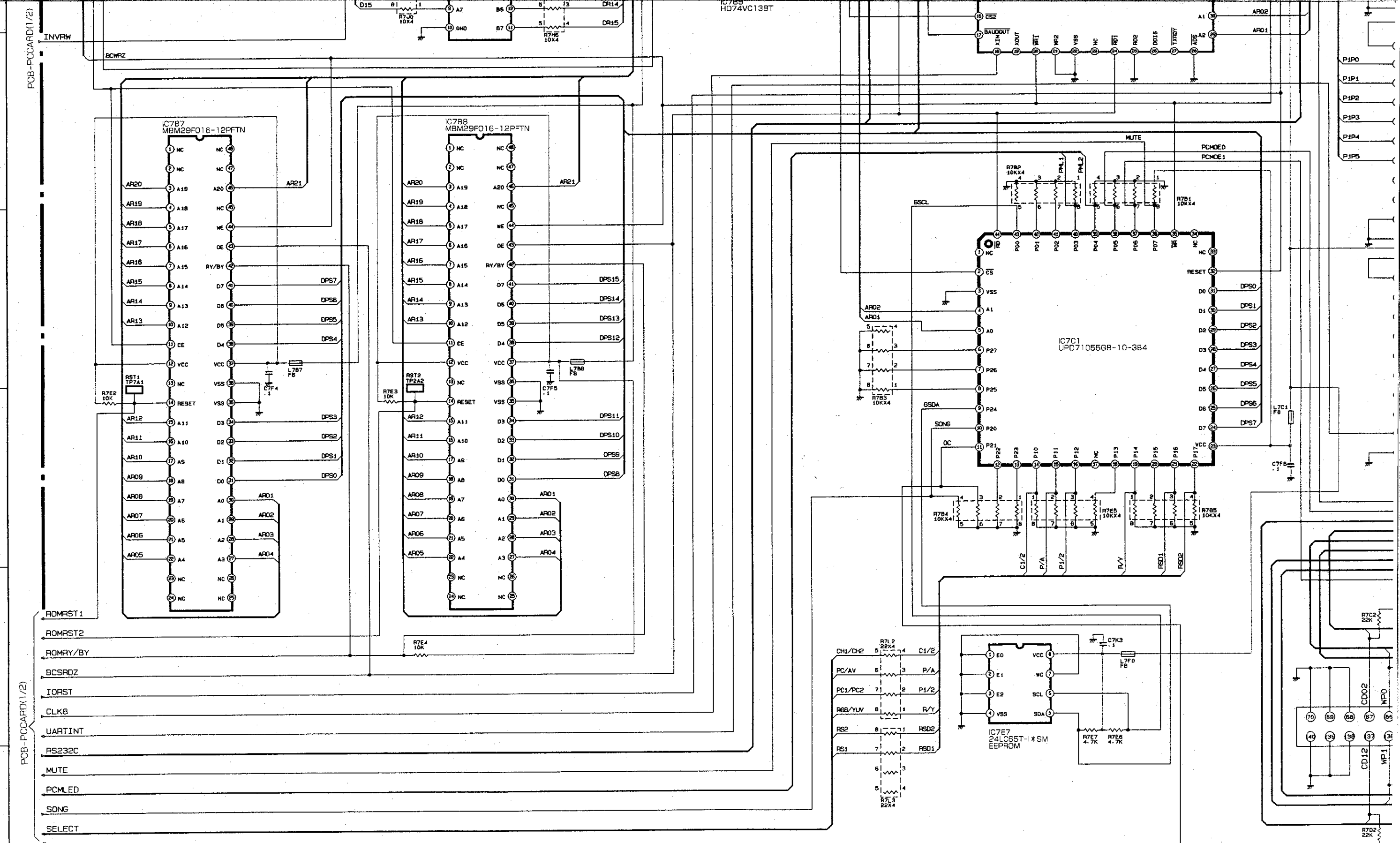
LVP-X100E CONTENTS

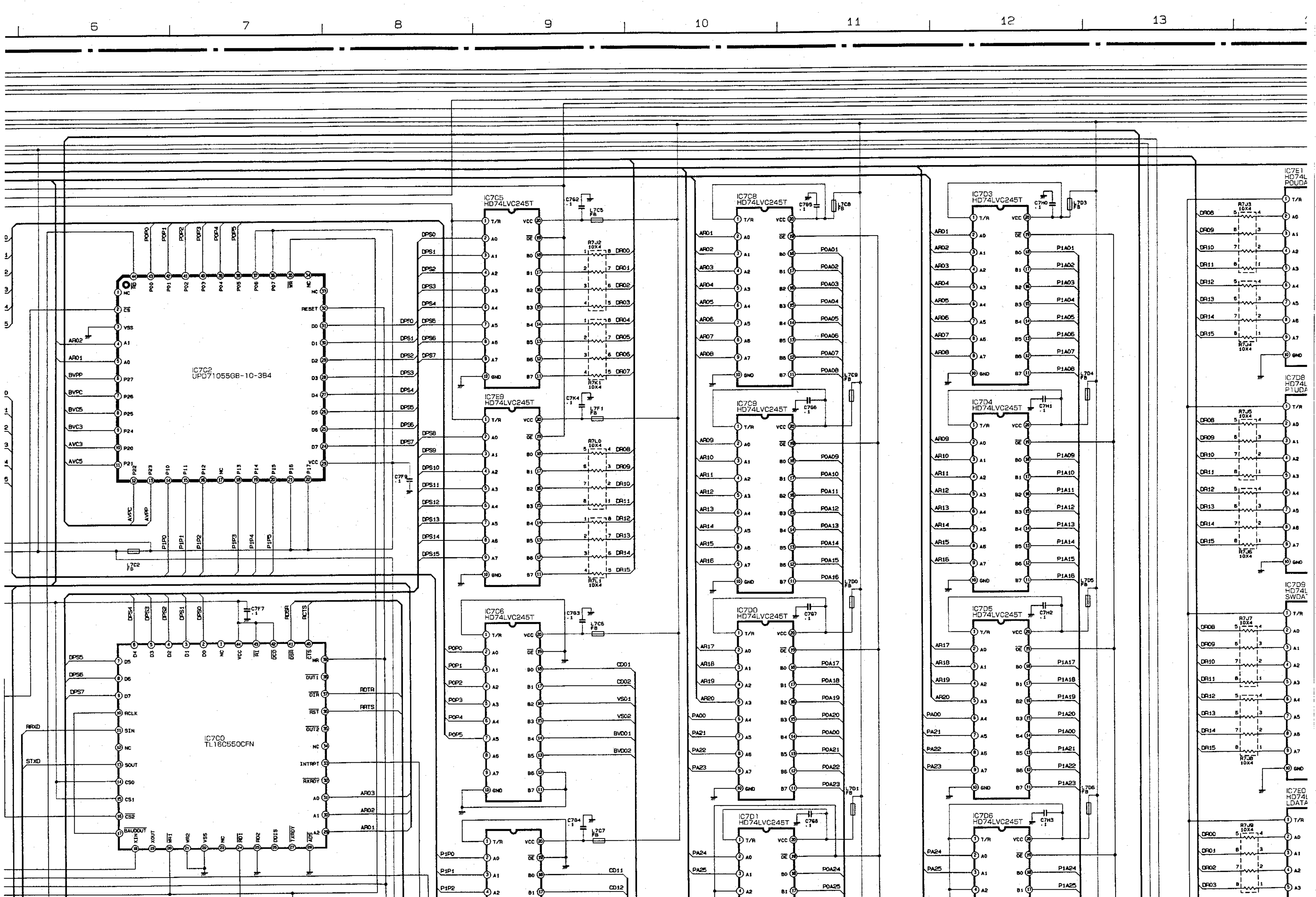

1
2
3
4
5
6
7
8
A
B
C
D
E
PCB-PCCARD(1/2)
RES
PRST
RSTONZ
RSTON
RST32
RST
CS23
ASOE
AR[01:20]
BR/WZ
STBY3.3
STBY12
STBY5
PCMCIA
D[00:15]
CSC
BUSBUFEN
PMDEN
PMSWDEN
BCS0
BCS1
INVRW
BCWRZ
IC7C3
HD74LVC08T
IC7B5
HD74LVC245T
IC7B6
HD74LVC245T
IC7B9
HD74VC138T
IC7C2
UPD71055GB-10-3B4
IC7C0
TL16C550CFN
R7B6 10KX4
R7B7 10KX4
R7B8 10KX4
R7B9 10KX4
R7H8 10X4
R7H9 10X4
R7H4 10X4
R7H5 10X4
R7J1 10X4
R7J0 10X4
R7H7 10X4
R7H6 10X4
C7F2 .1
C7F3 .1
C7F6 .1
C7F7 .1
C7F9 .1
C7C0 .1
L7B5 FB
L7B6 FB
L7B9 FB
L7C0 FB
L7C2 FB
L7C3 FB
P0P0
P0P1
P0P2
P0P3
P0P4
P0P5
P1P0
P1P1
P1P2
P1P3
P1P4
P1P5
DPS0
DPS1
DPS2
DPS3
DPS4
DPS5
DPS6
DPS7
DPS8
DPS9
DPS10
DPS11
DPS12
DPS13
DPS14
DPS15
DR00
DR01
DR02
DR03
DR04
DR05
DR06
DR07
DR08
DR09
DR10
DR11
DR12
DR13
DR14
DR15
AR04
AR05
AR06
AR03
AR02
AR01
RRXD
STXD
RDTR
RRTS
AVPC
AVPP
BVPP
BVPC
BVC5
BVC3
AVC3
AVC5



PCB-PCCARD(2/2)

( ) : Not Employed

LVP-X100E CONTENTS



6
7
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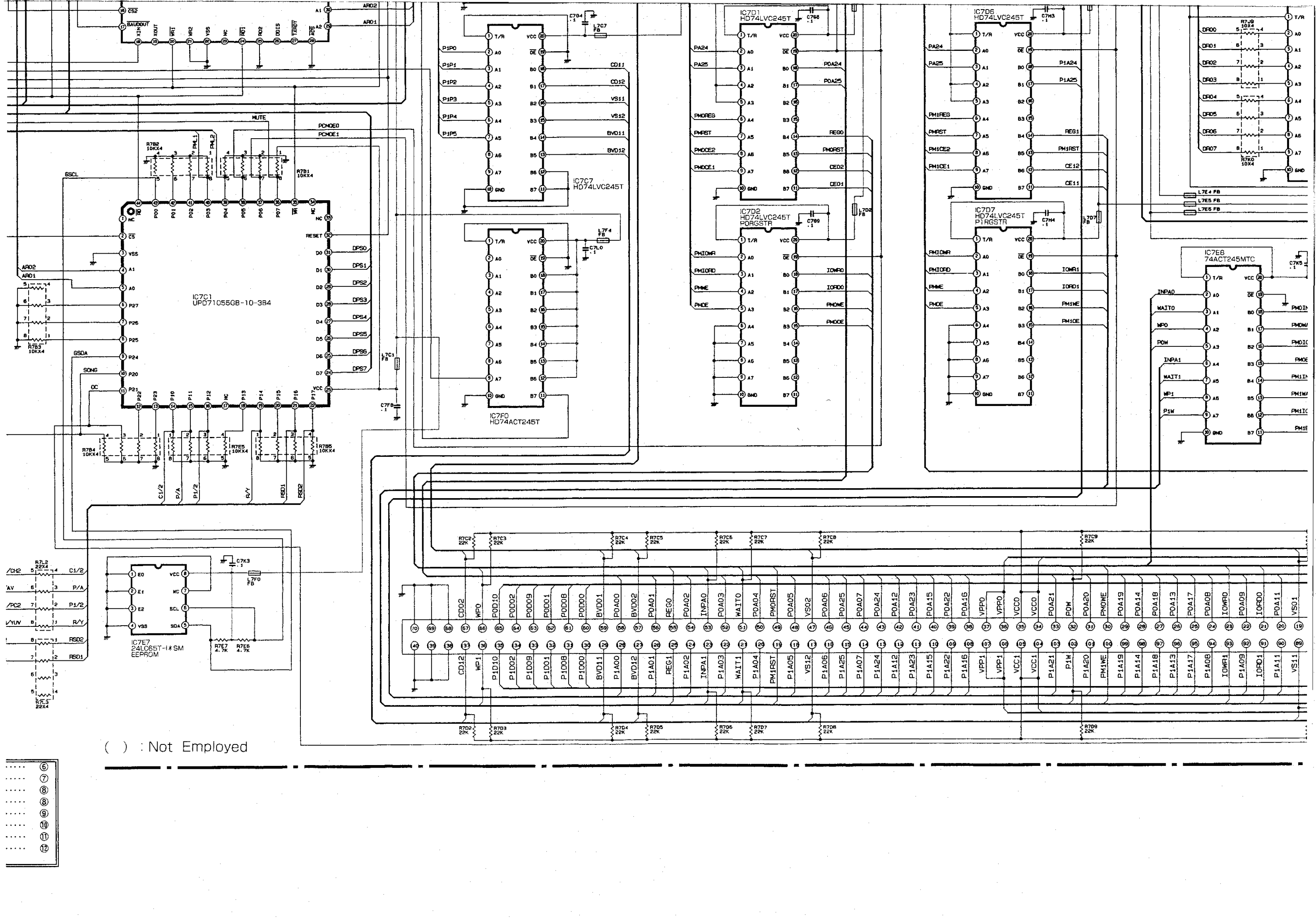
13
IC7C2
UPD71055GB-10-3B4
IC7C0
TL16C550CFN
IC7C5
HD74LVC245T
IC7E9
HD74LVC245T
IC7C6
HD74LVC245T
IC7C8
HD74LVC245T
IC7C9
HD74LVC245T
IC7D0
HD74LVC245T
IC7D1
HD74LVC245T
IC7D3
HD74LVC245T
IC7D4
HD74LVC245T
IC7D5
HD74LVC245T
IC7D6
HD74LVC245T


IC7C1
UPD71055GB-10-3B4
IC7C7
HD74LVC245T
IC7F0
HD74ACT245T
IC7D1
HD74LVC245T
IC7D2
HD74LVC245T
PORGSTR
IC7D6
HD74LVC245T
IC7D7
HD74LVC245T
P1RGSTR
IC7E8
74ACT245MTC
IC7E7
24LC65T-I*SM
EEPROM
R7B1
10KX4
R7B2
10KX4
R7B3
10KX4
R7B4
10KX4
R7B5
10KX4
R7E5
10KX4
R7L2
22X4
R7L3
22X4
R7C2
22K
R7C3
22K
R7C4
22K
R7C5
22K
R7C6
22K
R7C7
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R7C8
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R7C9
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R7D3
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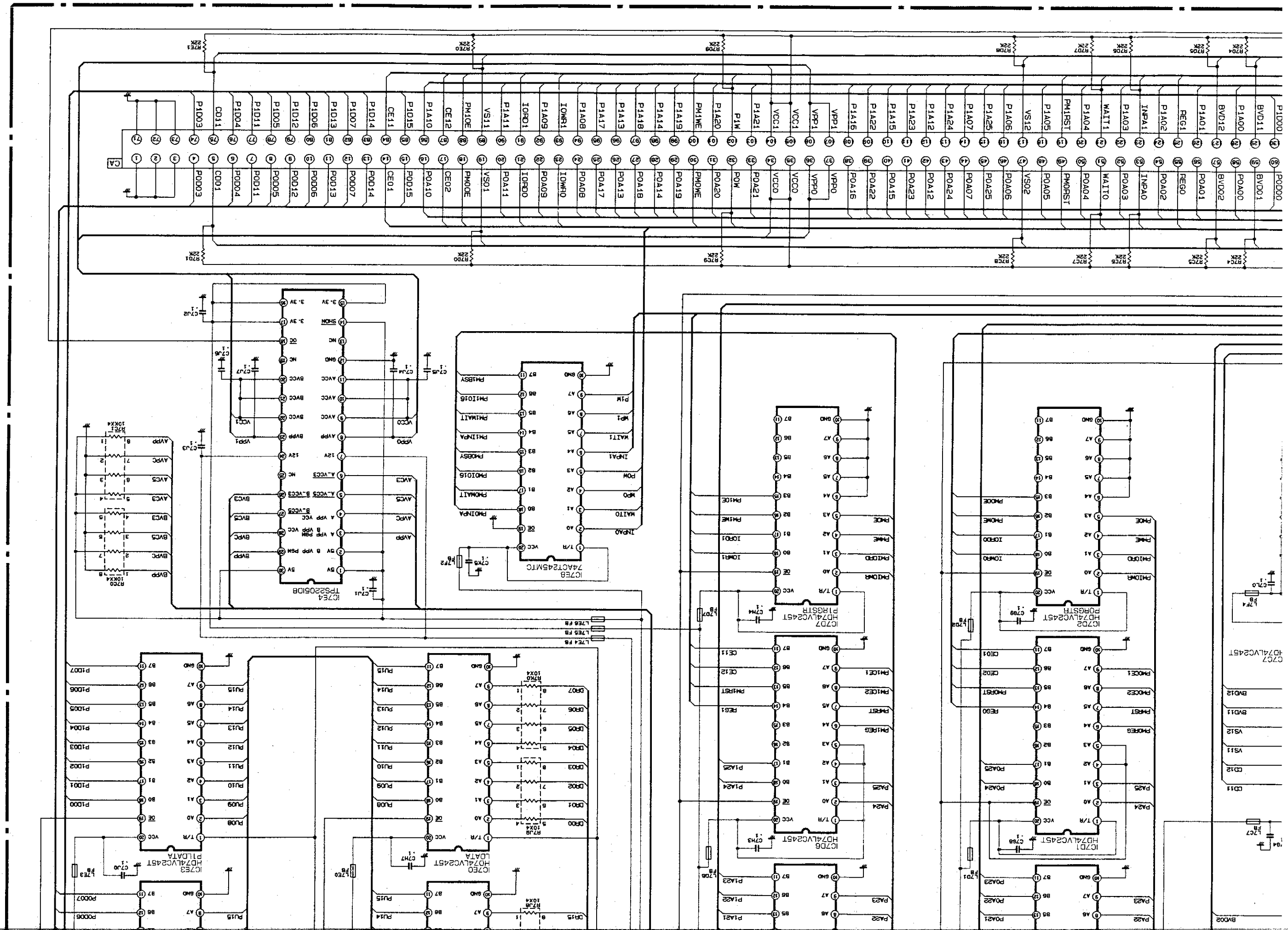
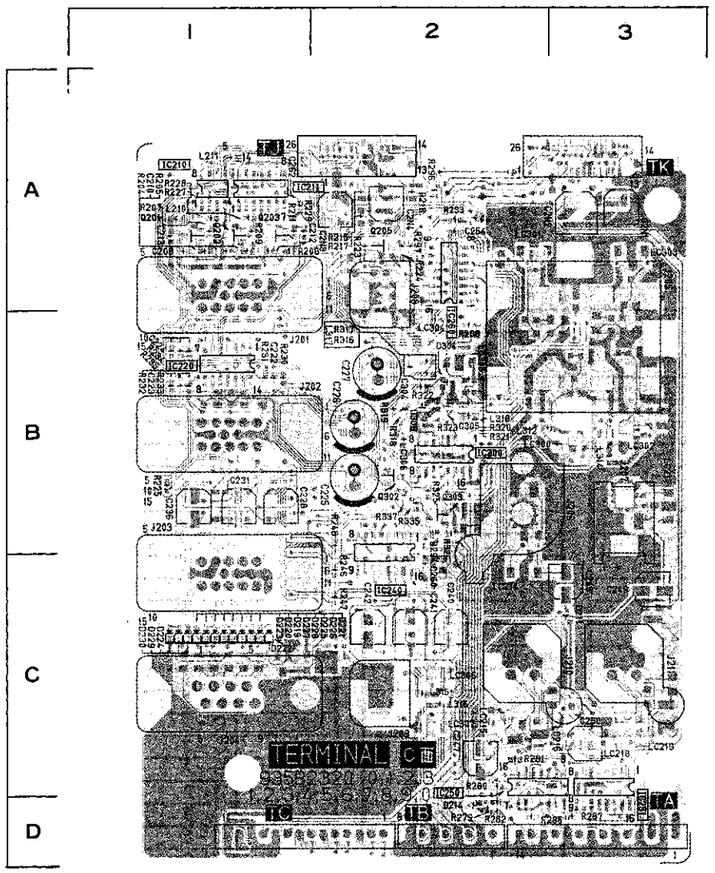
R7D5
22K
R7D6
22K
R7D7
22K
R7D8
22K
R7D9
22K
R7E7
4.7K
R7E6
4.7K
R7J9
10X4
R7K0
10X4
MUTE
PCMOE0
PCMOE1
GSCL
GSDA
SONG
OC
RESET
C1/2
P/A
P1/2
R/Y
RSD1
RSD2
( ) : Not Employed

IC7C8 HD74LVC245T
IC7D3 HD74LVC245T
IC7E1 HD74LVC245T POUDARTA
IC7E5 HD74LVC08T
IC7C9 HD74LVC245T
IC7D4 HD74LVC245T
IC7D8 HD74LVC245T P1UDATA
IC7E6 HD74LVC32T
IC7D0 HD74LVC245T
IC7D5 HD74LVC245T
IC7D9 HD74LVC245T SWDATA
IC7E2 HD74LVC245T POLDATA
IC7D1 HD74LVC245T
IC7D6 HD74LVC245T
IC7E0 HD74LVC245T LDATA
IC7E3 HD74LVC245T P1LDATA
R7J2 10X4
R7K1 10X4
R7L0 10X4
R7L1 10X4
R7J3 10X4
R7J4 10X4
R7J5 10X4
R7J6 10X4
R7J7 10X4
R7J8 10X4
R7J9 10X4
AR01 AR02 AR03 AR04 AR05 AR06 AR07 AR08 AR09 AR10 AR11 AR12 AR13 AR14 AR15 AR16 AR17 AR18 AR19 AR20 PA00 PA21 PA22 PA23 PA24
P0A01 P0A02 P0A03 P0A04 P0A05 P0A06 P0A07 P0A08 P0A09 P0A10 P0A11 P0A12 P0A13 P0A14 P0A15 P0A16 P0A17 P0A18 P0A19 P0A20 P0A00 P0A21 P0A22 P0A23
P1A01 P1A02 P1A03 P1A04 P1A05 P1A06 P1A07 P1A08 P1A09 P1A10 P1A11 P1A12 P1A13 P1A14 P1A15 P1A16 P1A17 P1A18 P1A19 P1A20 P1A00 P1A21 P1A22 P1A23
DR00 DR01 DR02 DR03 DR04 DR05 DR06 DR07 DR08 DR09 DR10 DR11 DR12 DR13 DR14 DR15
P0D08 P0D09 P0D10 P0D11 P0D12 P0D13 P0D14 P0D15
P1D08 P1D09 P1D10 P1D11 P1D12 P1D13 P1D14 P1D15
P0D00 P0D01 P0D02 P0D03 P0D04 P0D05 P0D06 P0D07
P1D00
PU08 PU09 PU10 PU11 PU12 PU13 PU14 PU15
RES PPST RSTONZ RSTON RST32 RST
PM1CE1 PM1CE2 PM0CE1 PM0CE2
CS23 ASOE PMDEN PMSWDEN PMDDIR BUSBUFEN
SLGT0 EN
CD01 CD02 VS01 VS02 BVD01 BVD02
L7C5 FB L7C6 FB L7C7 FB L7F1 FB L7C8 FB L7C9 FB L7D0 FB L7D1 FB L7D3 FB L7D4 FB L7D5 FB L7D6 FB L7D8 FB L7D9 FB L7E0 FB L7E1 FB L7E2 FB L7E3 FB L7E6 FB L7E8 FB L7E9 FB
C7G2 C7K4 C7G3 C7G4 C7G5 C7G6 C7G7 C7G8 C7H0 C7H1 C7H2 C7H3 C7H5 C7H6 C7H7 C7H8 C7H9 C7J0 C7J6 C7J8 C7J9 .1



PCB-TERMINAL (COMPONENT SIDE)



PCB-TERMINAL (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
C208	A−1
C210	A−1
C212	A−1
C213	A−1
C222	B−1
C223	B−1
C224	B−1
C225	B−2
C226	B−2
C227	B−2
C228	B−1
C231	B−1
C236	B−1
C240	C−2
C241	C−2
C242	C−2
C246	C−3
C247	C−2
C249	C−3
C250	C−3
C254	A−2
C260	C−2
C262	A−1
C2N1	A−3
C2N2	A−3
C2N3	A−2
C2N4	A−2
C304	B−2
C305	B−2
C306	B−2

SYMBOL NO.	ADDRESS
D211	C−3
D214	D−2
D219	C−1
D220	C−1
D221	C−1
D222	C−1
D223	C−1
D224	C−1
D225	C−1
D226	C−1
D227	C−1
D228	C−1
D229	C−1
D230	C−1
D304	B−2
D305	B−2
IC210	A−1
IC211	A−1
IC220	B−1
IC240	C−2
IC250	C−2
IC251	C−3
IC260	A−2
IC300	B−2
J201	A−1
J202	B−1
J203	C−1

SYMBOL NO.	ADDRESS
J204	C−1
J205	A−3
J206	B−2
J207	B−3
J208	A−2
J209	C−2
J210	C−2
J211	C−3
L210	A−1
L211	A−1
L312	B−3
L314	B−3
L315	C−2
L316	C−2
L317	B−2
L318	B−2
LC214	C−2
LC215	C−2
LC216	C−2
LC217	B−3
LC218	C−3
LC219	C−3
LC300	B−3
LC301	A−2
LC302	B−3
LC303	A−3
LC304	B−2
LC305	B−2

SYMBOL NO.	ADDRESS
LC306	C−2
LC307	C−2
Q201	A−1
Q202	A−1
Q203	A−1
Q205	A−2
Q302	B−2
Q303	B−2
R204	A−1
R205	A−1
R206	A−1
R207	A−1
R209	A−1
R211	A−1
R216	A−2
R217	A−2
R218	A−2
R223	A−2
R224	A−2
R225	B−1
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R228	A−1
R229	A−1
R230	B−1
R231	B−1
R232	B−1
R233	B−1
R234	B−1

SYMBOL NO.	ADDRESS
R235	B−1
R246	C−2
R247	C−2
R248	B−2
R279	D−2
R280	C−2
R281	C−2
R282	D−2
R285	D−2
R287	D−3
R289	B−2
R293	A−2
R294	B−2
R296	A−2
R297	A−2
R316	B−2
R317	B−2
R318	B−2
R319	B−2
R320	B−2
R321	B−2
R322	B−2
R323	B−2
R325	B−2
R326	B−2
R335	B−2
R337	B−2
TA	D−3
TB	D−2

SYMBOL NO.	ADDRESS
TC	D−2
TJ	A−2
TK	A−2

L (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
D211	C−3
D214	D−2
D219	C−1
D220	C−1
D221	C−1
D222	C−1
D223	C−1
D224	C−1
D225	C−1
D226	C−1
D227	C−1
D228	C−1
D229	C−1
D230	C−1
D304	B−2
D305	B−2
IC210	A−1
IC211	A−1
IC220	B−1
IC240	C−2
IC250	C−2
IC251	C−3
IC260	A−2
IC300	B−2
J201	A−1
J202	B−1
J203	C−1

SYMBOL NO.	ADDRESS
J204	C−1
J205	A−3
J206	B−2
J207	B−3
J208	A−2
J209	C−2
J210	C−2
J211	C−3
L210	A−1
L211	A−1
L312	B−3
L314	B−3
L315	C−2
L316	C−2
L317	B−2
L318	B−2
LC214	C−2
LC215	C−2
LC216	C−2
LC217	B−3
LC218	C−3
LC219	C−3
LC300	B−3
LC301	A−2
LC302	B−3
LC303	A−3
LC304	B−2
LC305	B−2

SYMBOL NO.	ADDRESS
LC306	C−2
LC307	C−2
Q201	A−1
Q202	A−1
Q203	A−1
Q205	A−2
Q302	B−2
Q303	B−2
R204	A−1
R205	A−1
R206	A−1
R207	A−1
R209	A−1
R211	A−1
R216	A−2
R217	A−2
R218	A−2
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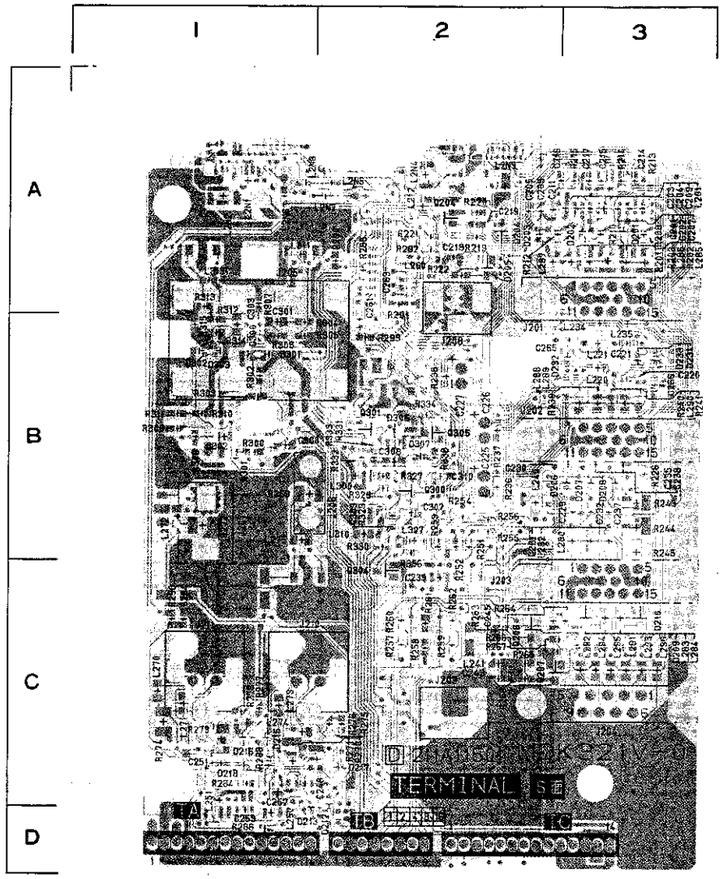
R225	B−1
R227	A−1
R228	A−1
R229	A−1
R230	B−1
R231	B−1
R232	B−1
R233	B−1
R234	B−1

SYMBOL NO.	ADDRESS
R235	B−1
R246	C−2
R247	C−2
R248	B−2
R279	D−2
R280	C−2
R281	C−2
R282	D−2
R285	D−2
R287	D−3
R289	B−2
R293	A−2
R294	B−2
R296	A−2
R297	A−2
R316	B−2
R317	B−2
R318	B−2
R319	B−2
R320	B−2
R321	B−2
R322	B−2
R323	B−2
R325	B−2
R326	B−2
R335	B−2
R337	B−2
TA	D−3
TB	D−2

SYMBOL NO.	ADDRESS
TC	D−2
TJ	A−2
TK	A−2

PCB−TERMINAL (SOLDER SIDE)

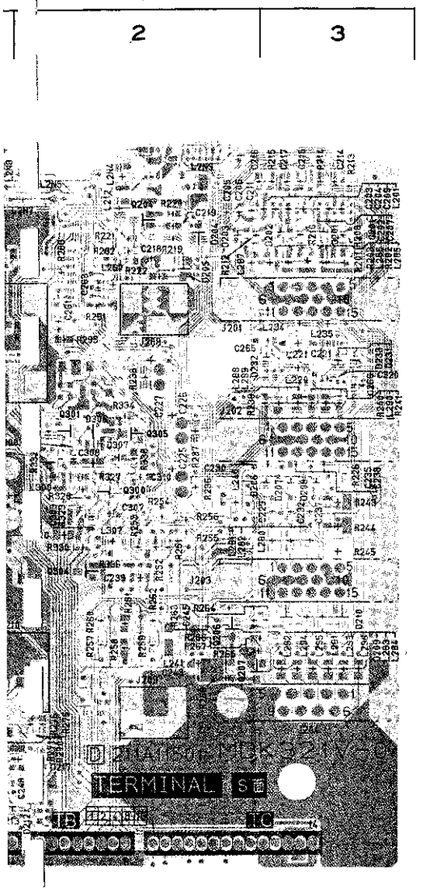


PCB-TERMINAL (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C201	A−3
C202	A−3
C203	A−3
C204	A−3
C205	A−2
C206	A−2
C207	A−3
C209	A−3
C211	A−2
C214	A−3
C215	A−3
C216	A−3
C217	A−3
C218	A−2
C219	A−2
C220	B−3
C221	B−3
C229	B−3
C230	B−3
C232	B−3
C235	B−3
C237	B−3
C238	B−3
C239	C−2
C243	C−2
C245	C−3
C248	C−1
C251	C−1
C252	C−1
C253	D−1

SYMBOL NO.	ADD
C261	B−
C263	A−
C264	C−
C265	B−
C266	B−
C300	B−
C301	B−
C302	B−
C303	B−
C307	B−
C308	B−
C309	B−
C310	B−
D201	A−
D202	A−
D203	A−
D204	A−
D205	A−
D206	B−
D207	B−
D208	B−
D209	C−
D210	C−
D212	D−
D213	D−
D215	C−
D216	C−
D217	C−
D218	C−

)L)ER SIDE)



PCB-TERMINAL (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C201	A−3
C202	A−3
C203	A−3
C204	A−3
C205	A−2
C206	A−2
C207	A−3
C209	A−3
C211	A−2
C214	A−3
C215	A−3
C216	A−3
C217	A−3
C218	A−2
C219	A−2
C220	B−3
C221	B−3
C229	B−3
C230	B−3
C232	B−3
C235	B−3
C237	B−3
C238	B−3
C239	C−2
C243	C−2
C245	C−3
C248	C−1
C251	C−1
C252	C−1
C253	D−1

SYMBOL NO.	ADDRESS
C261	B−2
C263	A−2
C264	C−1
C265	B−3
C266	B−3
C300	B−1
C301	B−1
C302	B−1
C303	B−1
C307	B−2
C308	B−2
C309	B−2
C310	B−2
D201	A−3
D202	A−3
D203	A−2
D204	A−2
D205	A−2
D206	B−3
D207	B−3
D208	B−3
D209	C−3
D210	C−3
D212	D−2
D213	D−2
D215	C−1
D216	C−1
D217	C−2
D218	C−1

SYMBOL NO.	ADDRESS
D231	B−3
D232	B−3
D233	B−3
D300	B−1
D301	B−1
D302	B−1
D303	B−1
D306	B−2
D307	B−2
L201	A−3
L212	A−2
L220	B−3
L221	B−3
L234	B−3
L235	B−3
L240	B−2
L241	C−2
L250	D−1
L251	C−1
L260	A−2
L270	C−1
L271	C−1
L272	B−1
L273	C−1
L274	C−1
L275	B−1
L280	B−3
L281	B−3
L282	B−3

SYMBOL NO.	ADDRESS
L283	C−3
L284	C−3
L285	A−3
L286	A−3
L287	A−2
L288	B−3
L289	B−3
L290	B−3
L291	C−3
L292	C−3
L293	C−3
L294	C−3
L295	C−3
L296	C−3
L2N1	A−1
L2N2	A−1
L2N3	A−2
L2N4	A−2
L2N5	A−2
L2N6	A−1
L2N7	A−2
L2N8	A−1
L300	B−2
L307	B−2
L310	B−2
L311	A−1
L313	A−1
Q204	A−2
Q206	C−2

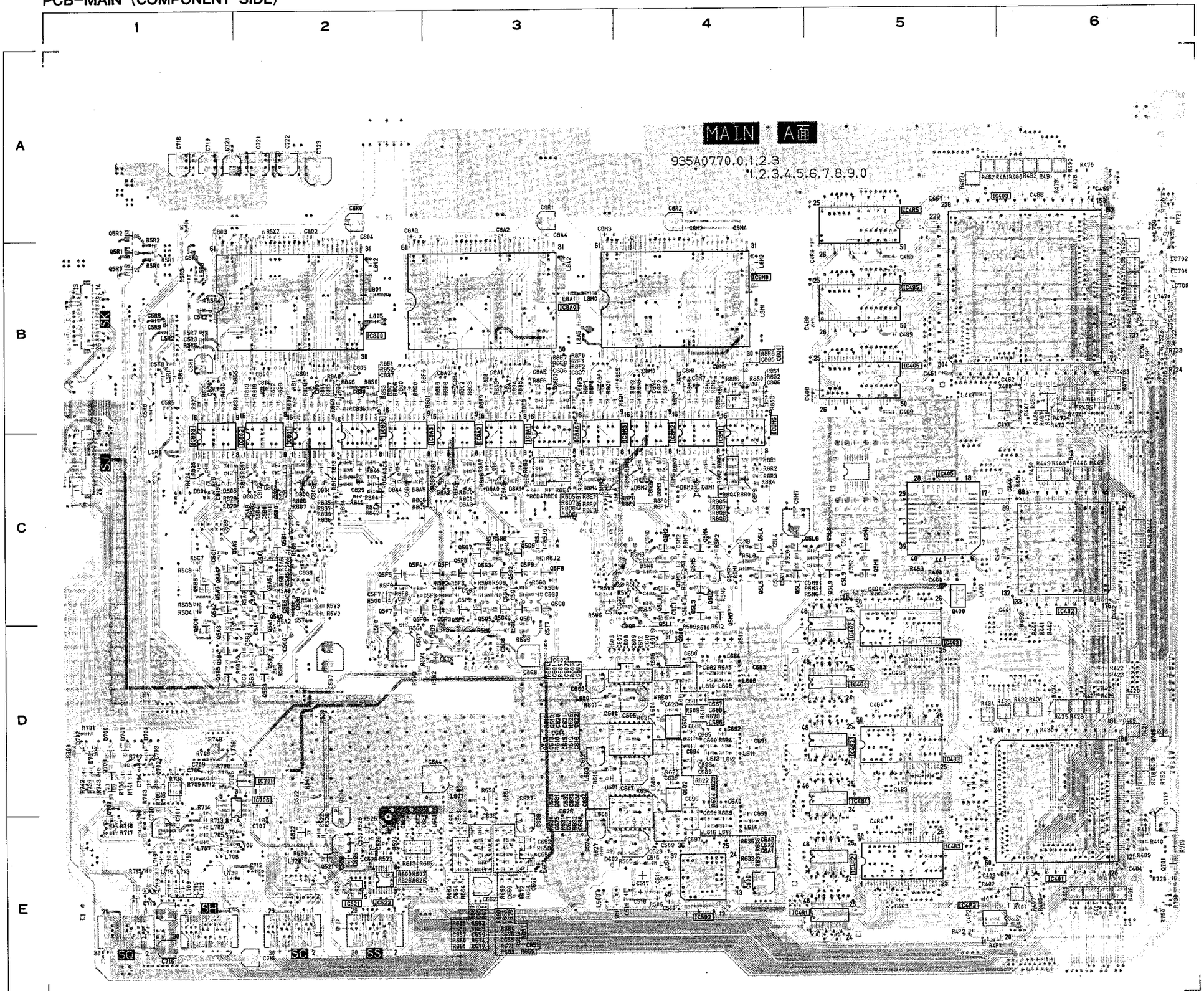
SYMBOL NO.	ADDRESS
Q207	C−3
Q300	B−2
Q301	B−2
Q304	C−2
Q305	B−2
R201	A−3
R202	A−3
R203	A−3
R208	A−3
R210	A−3
R212	A−2
R213	A−3
R214	A−3
R215	A−3
R219	A−2
R220	A−2
R221	A−2
R222	A−2
R226	B−3
R236	B−2
R237	B−2
R238	B−2
R239	B−3
R240	B−3
R241	B−3
R243	B−3
R244	B−3
R245	B−3
R251	B−2

SYMBOL NO.	ADDRESS
R252	B−2
R253	B−2
R254	B−2
R255	B−2
R256	B−2
R257	C−2
R258	C−2
R259	C−2
R260	C−2
R261	C−2
R262	C−2
R263	C−2
R264	C−2
R265	C−2
R266	C−3
R267	C−3
R268	C−2
R269	B−1
R270	C−2
R271	C−1
R272	B−1
R273	C−1
R274	C−1
R275	C−2
R276	C−2
R277	C−1
R278	C−1
R283	C−1
R284	C−1
R286	D−1

SYMBOL NO.	ADDRESS
R288	A−2
R290	A−2
R291	A−2
R292	A−2
R295	B−2
R298	C−1
R300	B−1
R301	B−1
R302	B−1
R303	B−1
R304	B−1
R305	B−1
R306	B−1
R307	A−1
R308	B−1
R309	B−1
R310	B−1
R311	B−1
R312	B−1
R313	A−1
R314	B−1
R315	B−1
R327	B−2
R328	B−2
R329	B−2
R330	B−2
R331	B−2
R332	B−2
R333	B−2
R334	B−2

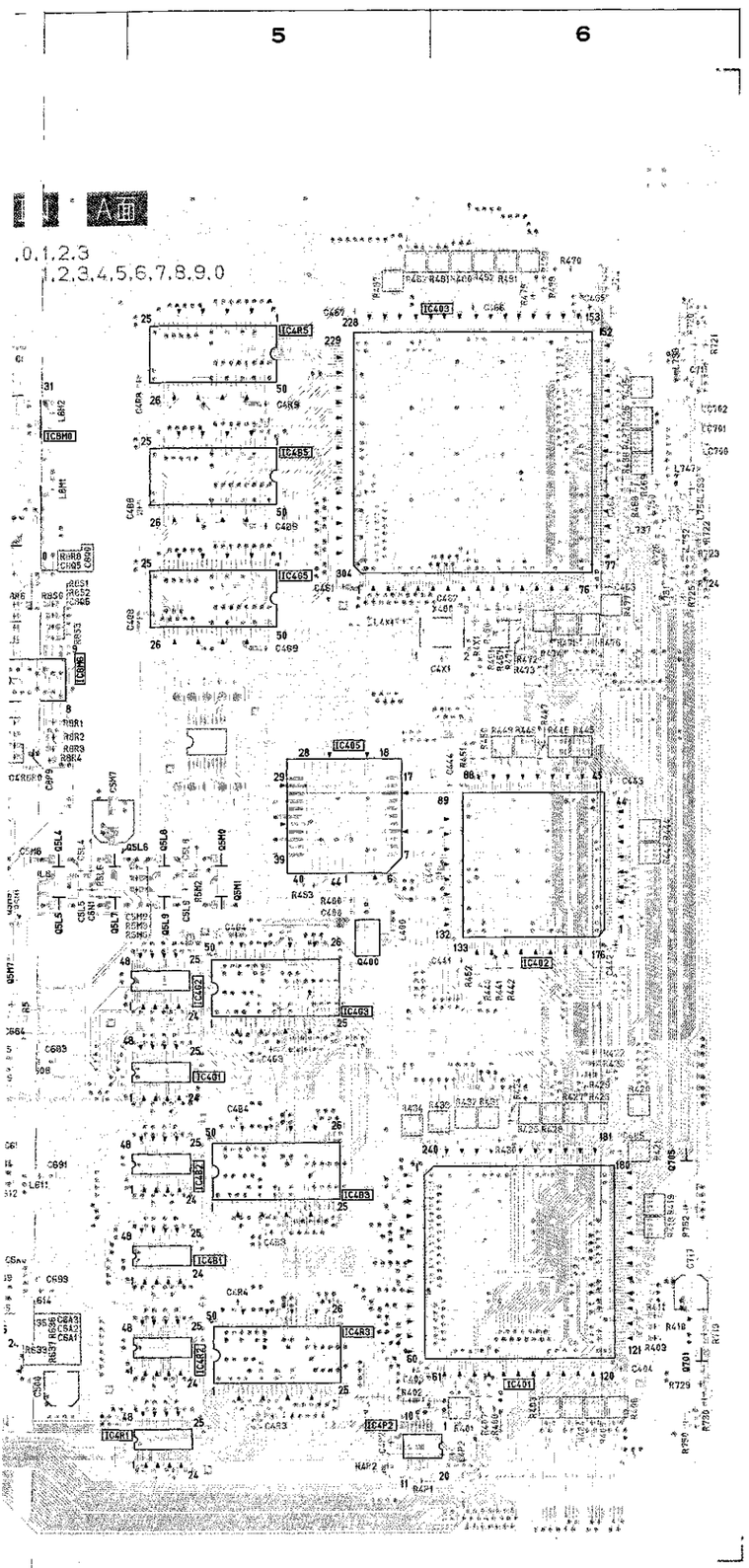
SYMBOL NO.	ADDRESS
R336	B−2
R338	B−2

PCB–MAIN (COMPONENT SIDE)



PCB-MAIN (COMPONEN

SYMBOL NO.	ADDRESS
C400	C–5
C403	E–5
C404	E–6
C405	D–6
C441	C–6
C442	C–6
C443	C–6
C444	C–6
C445	C–6
C461	B–5
C462	B–6
C463	B–6
C464	B–6
C465	A–6
C466	A–6
C467	A–5
C4B3	D–5
C4B4	D–5
C4B8	B–5
C4B9	B–5
C4G3	D–5
C4G4	C–5
C4G8	B–5
C4G9	B–5
C4P2	E–5
C4R3	E–5
C4R4	E–5
C4R8	B–5
C4R9	B–5
C4X1	B–6
C500	E–4
C501	E–4
C509	E–4
C510	E–4
C511	E–4
C512	E–4
C515	E–4
C517	E–4
C518	E–4
C519	E–4
C525	E–2
C526	E–2
C527	E–2
C528	E–2
C529	E–2
C530	E–2
C534	E–2
C5A0	C–2
C5A1	D–2
C5A4	C–2
C5A5	C–2
C5B0	C–2
C5B1	C–2
C5B2	D–2
C5B3	D–2
C5B6	C–2
C5B7	D–2
C5B9	C–1
C5C0	D–2
C5C1	C–1
C5F2	C–3
C5F3	C–3
C5F6	C–2
C5F7	C–2
C5G0	C–3
C5G1	C–3
C5G4	C–3



PCB-MAIN (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
C400	C−5
C403	E−5
C404	E−6
C405	D−6
C441	C−6
C442	C−6
C443	C−6
C444	C−6
C445	C−6
C461	B−5
C462	B−6
C463	B−6
C464	B−6
C465	A−6
C466	A−6
C467	A−5
C4B3	D−5
C4B4	D−5
C4B8	B−5
C4B9	B−5
C4G3	D−5
C4G4	C−5
C4G8	B−5
C4G9	B−5
C4P2	E−5
C4R3	E−5
C4R4	E−5
C4R8	B−5
C4R9	B−5
C4X1	B−6
C500	E−4
C501	E−4
C509	E−4
C510	E−4
C511	E−4
C512	E−4
C515	E−4
C517	E−4
C518	E−4
C519	E−4
C525	E−2
C526	E−2
C527	E−2
C528	E−2
C529	E−2
C530	E−2
C534	E−2
C5A0	C−2
C5A1	D−2
C5A4	C−2
C5A5	C−2
C5B0	C−2
C5B1	C−2
C5B2	D−2
C5B3	D−2
C5B6	C−2
C5B7	D−2
C5B9	C−1
C5C0	D−2
C5C1	C−1
C5F2	C−3
C5F3	C−3
C5F6	C−2
C5F7	C−2
C5G0	C−3
C5G1	C−3
C5G4	C−3

SYMBOL NO.	ADDRESS
C5G5	C−3
C5G7	D−2
C5L0	C−4
C5L1	C−4
C5L4	C−4
C5L5	C−4
C5L8	C−5
C5L9	C−5
C5M2	C−4
C5M3	C−4
C5M7	C−4
C5M8	C−4
C5M9	C−5
C5N0	C−4
C5N1	C−4
C5R0	B−1
C5R1	B−1
C5R2	B−1
C5R3	B−1
C5R5	B−1
C5R6	B−1
C5R8	B−1
C5R9	B−1
C5T4	C−2
C5T5	D−3
C5T6	C−3
C5T7	D−3
C5T8	B−1
C600	D−3
C601	D−4
C602	D−4
C603	D−4
C604	D−4
C605	D−4
C607	D−4
C608	D−4
C609	D−4
C610	D−4
C611	D−4
C612	D−3
C613	D−4
C614	D−4
C615	D−4
C616	D−4
C617	D−4
C619	D−4
C620	D−4
C621	D−4
C622	D−4
C623	D−4
C624	E−3
C625	E−4
C626	E−4
C627	E−4
C628	E−4
C629	E−4
C631	D−4
C632	D−4
C633	D−4
C634	D−4
C635	D−4
C636	E−3
C637	D−3
C638	E−3
C650	E−3
C651	E−3
C652	E−3

SYMBOL NO.	ADDRESS
C653	E−3
C654	E−3
C655	E−3
C656	E−3
C657	E−3
C658	E−3
C659	E−3
C660	E−3
C662	E−3
C663	E−3
C680	D−4
C681	D−4
C682	D−4
C683	D−4
C684	D−4
C685	D−4
C686	D−4
C687	D−4
C688	D−4
C689	D−4
C690	D−4
C691	D−4
C692	D−4
C693	D−4
C694	D−4
C695	D−4
C696	D−4
C697	E−4
C698	E−4
C699	E−4
C6A0	D−4
C6A1	E−4
C6A2	E−4
C6A3	E−4
C6A4	D−3
C6E0	E−2
C6E1	E−3
C6E2	E−2
C700	E−1
C701	E−1
C702	D−1
C703	D−1
C704	D−1
C706	D−1
C707	E−2
C709	D−1
C711	B−6
C712	E−2
C713	E−1
C715	E−2
C716	E−1
C717	E−6
C718	A−1
C719	A−1
C720	A−1
C721	A−2
C722	A−2
C723	A−2
C800	B−2
C801	B−2
C802	A−2
C803	A−1
C804	A−2
C805	B−2
C806	C−2
C807	B−2
C812	C−2

SYMBOL NO.	ADDRESS
C814	B−2
C819	C−1
C820	B−1
C829	C−2
C830	B−2
C836	B−2
C837	B−2
C838	C−2
C839	C−2
C8A0	B−3
C8A1	B−3
C8A2	A−3
C8A3	A−2
C8A4	A−3
C8A5	B−3
C8A6	C−3
C8A7	B−3
C8B2	C−3
C8B4	B−3
C8B9	C−2
C8C0	B−2
C8C9	C−3
C8D0	B−3
C8D6	B−3
C8D7	B−3
C8D8	D−3
C8D9	D−3
C8M0	B−4
C8M1	B−4
C8M2	A−4
C8M3	A−3
C8M4	A−4
C8M5	B−4
C8M6	C−4
C8M7	B−4
C8N2	C−4
C8N4	B−4
C8N9	C−3
C8P0	B−3
C8P9	C−4
C8Q0	B−4
C8Q5	B−4
C8Q6	B−4
C8Q7	C−4
C8Q8	C−4
C8Q9	D−3
C8R0	A−2
C8R1	A−3
C8R2	A−4
D522	D−2
D600	D−3
D601	D−3
D602	E−3
D700	D−1
D701	D−1
D702	D−1
D704	D−1
D706	D−1
D707	D−1
D800	C−2
D801	C−2
D802	C−2
D803	C−2
D804	C−1
D805	C−1
D8A0	C−3

SYMBOL NO.	ADDRESS
D8A1	C−3
D8A2	C−3
D8A3	C−3
D8A4	C−2
D8A5	C−2
D8M0	C−4
D8M1	C−4
D8M2	C−4
D8M3	C−4
D8M4	C−3
D8M5	C−4
IC401	D−6
IC402	C−6
IC403	B−6
IC405	C−5
IC4B1	D−5
IC4B2	D−5
IC4B3	D−5
IC4B5	B−5
IC4G1	D−5
IC4G2	D−5
IC4G3	D−5
IC4G5	B−5
IC4P2	E−5
IC4R1	E−5
IC4R2	E−5
IC4R3	E−5
IC4R5	A−5
IC502	E−4
IC521	E−2
IC522	E−2
IC701	D−2
IC706	D−1
IC800	B−2
IC801	C−2
IC802	C−2
IC803	C−1
IC806	C−2
IC8A0	B−3
IC8A1	C−3
IC8A2	C−3
IC8A3	C−2
IC8A6	C−3
IC8M0	B−4
IC8M1	C−4
IC8M2	C−4
IC8M3	C−3
IC8M6	C−4
L400	C−5
L4P2	E−6
L4X1	B−5
L500	E−3
L520	E−2
L5F0	D−2
L5R0	C−1
L5R1	B−1
L5R2	B−1
L5R3	B−1
L5R4	B−1
L600	D−3
L601	D−4
L603	D−3
L604	D−4
L605	E−3
L606	D−4

SYMBOL NO.	ADDRESS
L607	D−3
L608	D−4
L609	D−4
L610	D−4
L611	D−4
L612	D−4
L613	D−4
L614	E−4
L615	E−4
L616	E−4
L6E1	E−3
L6E3	E−3
L700	E−1
L703	E−1
L704	E−1
L705	E−1
L706	E−1
L707	E−1
L708	E−1
L709	E−1
L710	E−1
L712	E−1
L713	E−1
L715	E−1
L716	E−1
L718	E−1
L719	E−1
L736	D−1
L737	B−6
L738	A−6
L739	E−1
L747	B−6
L750	B−6
L751	B−6
L752	B−6
L753	B−6
L754	B−6
L7Z0	E−2
L801	B−2
L802	B−2
L805	B−2
L8A1	B−3
L8A2	B−3
L8A5	B−3
L8M0	B−3
L8M1	B−4
L8M2	B−4
LC700	B−6
LC701	B−6
LC702	B−6
Q400	C−5
Q521	E−2
Q522	E−2
Q5A0	C−2
Q5A1	D−2
Q5A2	C−1
Q5A3	D−1
Q5A4	C−2
Q5A5	C−2
Q5A6	C−1
Q5A7	C−1
Q5A8	C−2
Q5A9	C−2
Q5B0	C−2
Q5B1	C−2

SYMBOL NO.	ADDRESS
Q5B2	D−2
Q5B3	D−2
Q5B4	D−1
Q5B5	D−1
Q5B8	C−1
Q5C0	D−1
Q5F0	C−3
Q5F1	C−3
Q5F2	C−3
Q5F3	C−3
Q5F4	C−2
Q5F5	C−2
Q5F6	C−2
Q5F7	C−2
Q5F8	C−3
Q5F9	C−3
Q5G0	C−3
Q5G1	C−3
Q5G2	C−3
Q5G3	C−3
Q5G4	C−3
Q5G5	C−3
Q5G7	C−3
Q5G9	C−3
Q5L0	C−4
Q5L1	C−4
Q5L2	C−4
Q5L3	C−4
Q5L4	C−4
Q5L5	C−4
Q5L6	C−4
Q5L7	C−4
Q5L8	C−5
Q5L9	C−5
Q5M0	C−5
Q5M1	C−5
Q5M2	C−4
Q5M3	C−4
Q5M4	C−4
Q5M5	C−4
Q5M7	C−4
Q5M9	C−4
Q5R0	B−1
Q5R1	B−1
Q5R2	A−1
Q600	D−4
Q601	D−4
Q602	D−4
Q701	E−6
Q702	D−1
Q703	D−1
Q705	D−6
R400	C−5
R401	E−6
R402	E−5
R403	E−6
R404	E−6
R405	E−6
R406	E−6
R407	E−6
R408	E−6
R409	E−6
R410	E−6
R411	E−6
R418	D−6
R419	D−6

SYMBOL NO.
R420
R421
R422
R423
R424
R425
R426
R427
R428
R429
R430
R431
R432
R433
R434
R435
R436
R437
R438
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R441
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R452
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R460
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R470
R471
R472
R473
R474
R475
R476
R477
R478
R479
R480
R481
R482
R487
R490
R491
R492
R4P1
R4P2
R4X1
R505
R506
R509
R510
R511
R512
R520
R522
R523

SYMBOL NO.	ADDRESS
C814	B−2
C819	C−1
C820	B−1
C829	C−2
C830	B−2
C836	B−2
C837	B−2
C838	C−2
C839	C−2
C8A0	B−3
C8A1	B−3
C8A2	A−3
C8A3	A−2
C8A4	A−3
C8A5	B−3
C8A6	C−3
C8A7	B−3
C8B2	C−3
C8B4	B−3
C8B9	C−2
C8C0	B−2
C8C9	C−3
C8D0	B−3
C8D6	B−3
C8D7	B−3
C8D8	D−3
C8D9	D−3
C8M0	B−4
C8M1	B−4
C8M2	A−4
C8M3	A−3
C8M4	A−4
C8M5	B−4
C8M6	C−4
C8M7	B−4
C8N2	C−4
C8N4	B−4
C8N9	C−3
C8P0	B−3
C8P9	C−4
C8Q0	B−4
C8Q5	B−4
C8Q6	B−4
C8Q7	C−4
C8Q8	C−4
C8Q9	D−3
C8R0	A−2
C8R1	A−3
C8R2	A−4
D522	D−2
D600	D−3
D601	D−3
D602	E−3
D700	D−1
D701	D−1
D702	D−1
D704	D−1
D706	D−1
D707	D−1
D800	C−2
D801	C−2
D802	C−2
D803	C−2
D804	C−1
D805	C−1
D8A0	C−3

SYMBOL NO.	ADDRESS
D8A1	C−3
D8A2	C−3
D8A3	C−3
D8A4	C−2
D8A5	C−2
D8M0	C−4
D8M1	C−4
D8M2	C−4
D8M3	C−4
D8M4	C−3
D8M5	C−4
IC401	D−6
IC402	C−6
IC403	B−6
IC405	C−5
IC4B1	D−5
IC4B2	D−5
IC4B3	D−5
IC4B5	B−5
IC4G1	D−5
IC4G2	D−5
IC4G3	D−5
IC4G5	B−5
IC4P2	E−5
IC4R1	E−5
IC4R2	E−5
IC4R3	E−5
IC4R5	A−5
IC502	E−4
IC521	E−2
IC522	E−2
IC701	D−2
IC706	D−1
IC800	B−2
IC801	C−2
IC802	C−2
IC803	C−1
IC806	C−2
IC8A0	B−3
IC8A1	C−3
IC8A2	C−3
IC8A3	C−2
IC8A6	C−3
IC8M0	B−4
IC8M1	C−4
IC8M2	C−4
IC8M3	C−3
IC8M6	C−4
L400	C−5
L4P2	E−6
L4X1	B−5
L500	E−3
L520	E−2
L5F0	D−2
L5R0	C−1
L5R1	B−1
L5R2	B−1
L5R3	B−1
L5R4	B−1
L600	D−3
L601	D−4
L603	D−3
L604	D−4
L605	E−3
L606	D−4

SYMBOL NO.	ADDRESS
L607	D−3
L608	D−4
L609	D−4
L610	D−4
L611	D−4
L612	D−4
L613	D−4
L614	E−4
L615	E−4
L616	E−4
L6E1	E−3
L6E3	E−3
L700	E−1
L703	E−1
L704	E−1
L705	E−1
L706	E−1
L707	E−1
L708	E−1
L709	E−1
L710	E−1
L712	E−1
L713	E−1
L715	E−1
L716	E−1
L718	E−1
L719	E−1
L736	D−1
L737	B−6
L738	A−6
L739	E−1
L747	B−6
L750	B−6
L751	B−6
L752	B−6
L753	B−6
L754	B−6
L7Z0	E−2
L801	B−2
L802	B−2
L805	B−2
L8A1	B−3
L8A2	B−3
L8A5	B−3
L8M0	B−3
L8M1	B−4
L8M2	B−4
LC700	B−6
LC701	B−6
LC702	B−6
Q400	C−5
Q521	E−2
Q522	E−2
Q5A0	C−2
Q5A1	D−2
Q5A2	C−1
Q5A3	D−1
Q5A4	C−2
Q5A5	C−2
Q5A6	C−1
Q5A7	C−1
Q5A8	C−2
Q5A9	C−2
Q5B0	C−2
Q5B1	C−2

SYMBOL NO.	ADDRESS
Q5B2	D−2
Q5B3	D−2
Q5B4	D−1
Q5B5	D−1
Q5B8	C−1
Q5C0	D−1
Q5F0	C−3
Q5F1	C−3
Q5F2	C−3
Q5F3	C−3
Q5F4	C−2
Q5F5	C−2
Q5F6	C−2
Q5F7	C−2
Q5F8	C−3
Q5F9	C−3
Q5G0	C−3
Q5G1	C−3
Q5G2	C−3
Q5G3	C−3
Q5G4	C−3
Q5G5	C−3
Q5G7	C−3
Q5G9	C−3
Q5L0	C−4
Q5L1	C−4
Q5L2	C−4
Q5L3	C−4
Q5L4	C−4
Q5L5	C−4
Q5L6	C−4
Q5L7	C−4
Q5L8	C−5
Q5L9	C−5
Q5M0	C−5
Q5M1	C−5
Q5M2	C−4
Q5M3	C−4
Q5M4	C−4
Q5M5	C−4
Q5M7	C−4
Q5M9	C−4
Q5R0	B−1
Q5R1	B−1
Q5R2	A−1
Q600	D−4
Q601	D−4
Q602	D−4
Q701	E−6
Q702	D−1
Q703	D−1
Q705	D−6
R400	C−5
R401	E−6
R402	E−5
R403	E−6
R404	E−6
R405	E−6
R406	E−6
R407	E−6
R408	E−6
R409	E−6
R410	E−6
R411	E−6
R418	D−6
R419	D−6

SYMBOL NO.	ADDRESS
R420	D−6
R421	D−6
R422	D−6
R423	D−6
R424	D−6
R425	D−6
R426	D−6
R427	D−6
R428	D−6
R429	D−6
R430	D−6
R431	D−6
R432	D−6
R433	D−6
R434	D−5
R435	B−6
R436	B−6
R437	B−6
R438	B−6
R440	C−6
R441	C−6
R442	C−6
R443	C−6
R444	C−6
R445	C−6
R446	C−6
R447	C−6
R448	C−6
R449	C−6
R450	C−6
R451	C−6
R452	D−6
R453	C−5
R460	B−6
R461	B−6
R467	B−6
R468	B−6
R469	B−6
R470	A−6
R471	B−6
R472	B−6
R473	B−6
R474	B−6
R475	B−6
R476	B−6
R477	B−6
R478	A−6
R479	A−6
R480	A−6
R481	A−6
R482	A−5
R487	A−5
R490	A−6
R491	A−6
R492	A−6
R4P1	E−5
R4P2	E−5
R4X1	B−6
R505	E−4
R506	E−4
R509	D−4
R510	D−4
R511	D−4
R512	D−4
R520	D−2
R522	E−2
R523	E−2

SYMBOL NO.	ADDRESS
R524	E−2
R525	E−2
R526	E−2
R529	E−2
R530	E−2
R541	D−2
R5A0	C−2
R5A2	D−2
R5A5	D−2
R5A6	C−2
R5A8	C−2
R5B1	C−2
R5B3	C−2
R5B4	C−2
R5B6	C−2
R5B7	D−2
R5B8	D−2
R5C0	D−2
R5C7	C−1
R5C8	C−1
R5D3	C−1
R5D4	C−1
R5F2	C−3
R5F3	C−3
R5F5	D−3
R5F8	C−2
R5F9	C−2
R5G0	C−2
R5G1	D−2
R5G3	C−3
R5G4	C−3
R5G6	D−3
R5G8	C−3
R5G9	C−3
R5H0	D−3
R5H4	C−3
R5H5	C−3
R5H6	C−3
R5J0	C−3
R5J1	C−3
R5J2	C−3
R5L0	C−4
R5L2	C−4
R5L5	C−4
R5L6	C−4
R5L8	C−4
R5M1	C−4
R5M2	C−5
R5M3	C−5
R5M6	C−5
R5M7	C−4
R5M8	C−4
R5N0	C−4
R5N6	C−4
R5P2	C−4
R5R0	B−1
R5R1	B−1
R5R2	B−1
R5R3	B−1
R5R4	B−1
R5R6	B−1
R5R7	B−1
R5V9	C−2
R5W0	C−2
R5W1	C−2
R5W2	D−3
R5W3	D−2

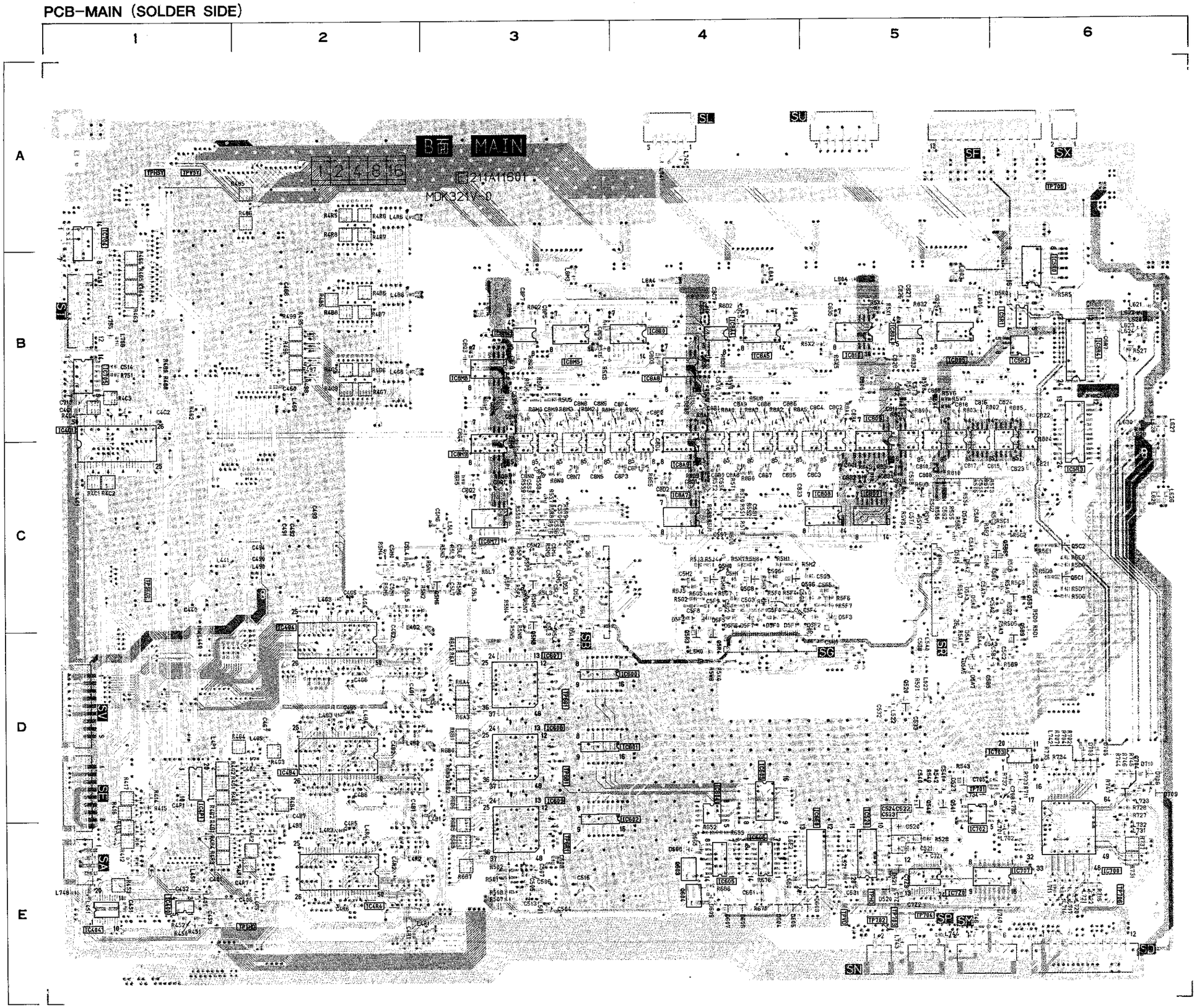
SYMBOL NO.	ADDRESS
R5W4	D−3
R5W5	C−3
R5W6	C−3
R5W7	C−3
R5W9	D−3
R5X7	A−2
R600	E−2
R601	D−3
R602	E−2
R603	D−3
R604	D−3
R605	D−4
R606	D−4
R607	D−4
R608	D−4
R609	D−4
R610	D−4
R611	D−4
R612	D−4
R613	E−2
R614	D−3
R615	E−2
R616	D−3
R617	D−3
R618	D−4
R619	D−4
R620	D−4
R621	D−4
R622	D−4
R623	D−4
R624	D−4
R625	D−4
R626	E−2
R627	E−3
R628	E−2
R629	D−3
R630	E−3
R631	E−4
R632	E−4
R633	E−4
R634	D−4
R635	E−4
R636	E−4
R637	E−4
R638	D−4
R650	D−3
R651	D−3
R654	E−3
R655	E−3
R656	E−3
R657	E−3
R658	E−3
R659	E−3
R660	E−3
R661	E−3
R662	E−3
R663	E−3
R664	E−3
R667	E−3
R668	E−3
R669	E−3
R670	E−3
R671	E−3
R672	E−3
R673	D−4
R674	E−3
R677	E−3

SYMBOL NO.	ADDRESS
R678	E−3
R679	E−3
R680	E−3
R681	E−3
R682	E−3
R683	E−3
R684	E−3
R685	E−3
R6A5	D−4
R6B4	D−4
R6B9	E−4
R700	D−1
R701	D−1
R703	D−1
R705	D−1
R706	D−1
R708	D−1
R709	D−1
R712	D−1
R713	E−1
R714	D−1
R715	E−1
R717	E−1
R718	E−1
R719	E−6
R720	A−6
R721	A−6
R722	B−6
R723	B−6
R724	B−6
R725	B−6
R726	B−6
R729	E−6
R730	E−6
R736	D−1
R738	D−1
R739	D−1
R740	D−1
R741	D−1
R742	D−1
R743	D−1
R748	D−1
R749	D−1
R750	E−6
R752	D−6
R806	C−2
R807	C−2
R808	B−2
R809	B−2
R811	B−2
R812	C−2
R813	C−2
R814	B−2
R815	B−2
R816	C−2
R817	C−2
R818	B−2
R819	B−2
R820	C−2
R821	C−2
R822	B−2
R823	B−2
R824	C−1
R825	C−1
R826	B−1
R827	B−1
R828	C−1

SYMBOL NO.	ADDRESS
R829	C−1
R830	B−1
R831	B−1
R834	C−2
R835	C−2
R836	C−2
R837	C−2
R838	C−2
R840	C−2
R841	C−2
R842	C−2
R843	C−2
R844	C−2
R846	B−2
R847	B−2
R848	B−2
R849	B−2
R850	B−2
R851	B−2
R852	B−2
R853	B−2
R855	B−1
R8A6	C−3
R8A7	C−3
R8A8	B−3
R8A9	B−3
R8B1	B−3
R8B2	C−3
R8B3	C−3
R8B4	B−3
R8B5	B−3
R8B6	C−3
R8B7	C−3
R8B8	B−3
R8B9	B−3
R8C0	C−3
R8C1	C−3
R8C2	B−3
R8C3	B−3
R8C4	C−2
R8C5	C−2
R8C6	B−2
R8C7	B−2
R8C8	C−2
R8C9	C−2
R8D0	B−2
R8D1	B−2
R8D4	C−3
R8D5	C−3
R8D6	C−3
R8D7	C−3
R8D8	C−3
R8E0	C−3
R8E1	C−3
R8E2	C−3
R8E3	C−3
R8E4	C−3
R8E6	B−3
R8E7	B−3
R8E8	B−3
R8E9	B−3
R8F0	B−3
R8F1	B−3
R8F2	B−3
R8F3	B−3
R8F5	B−3
R8M6	C−4

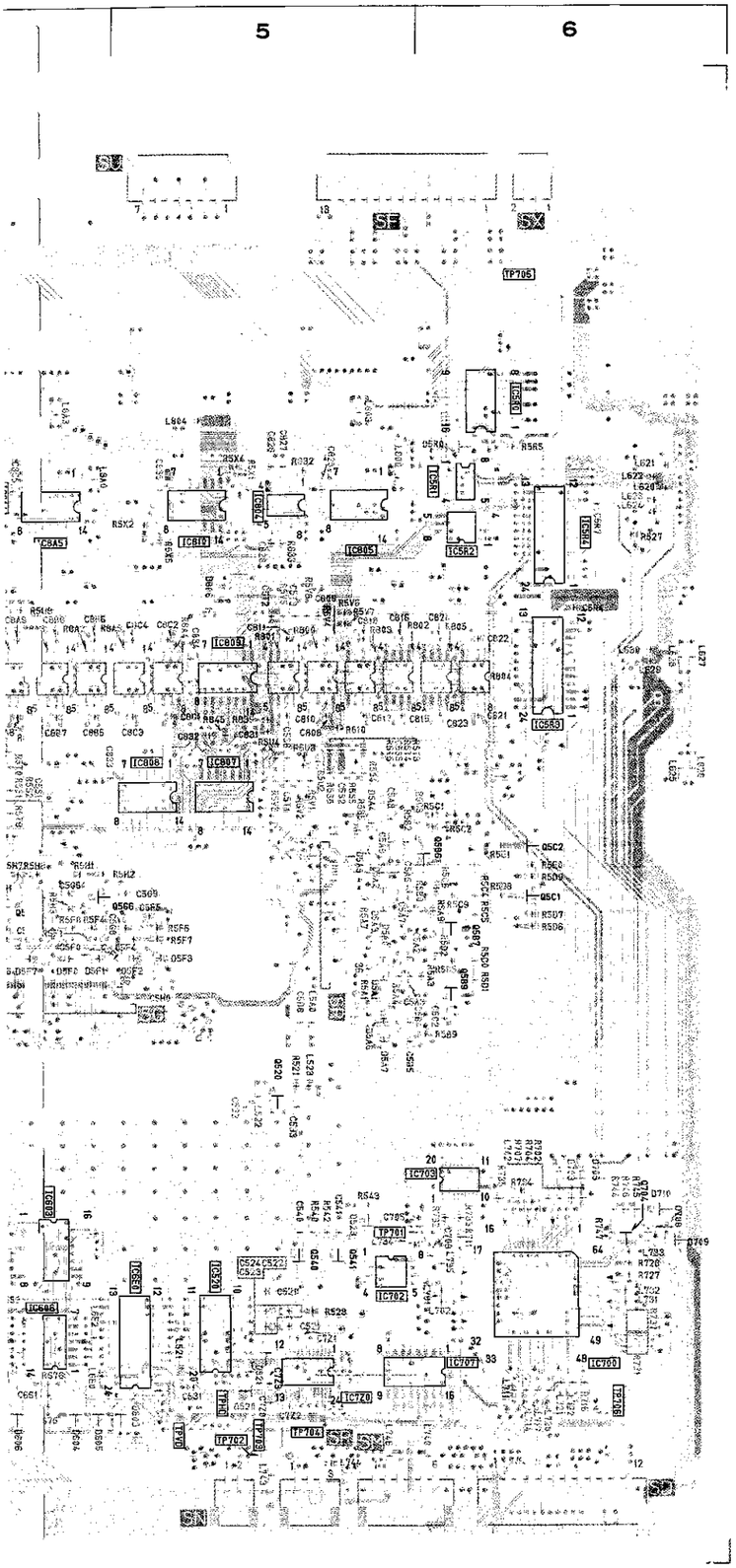
SYMBOL NO.	ADDRESS
R8M7	C−4
R8M8	B−4
R8M9	B−4
R8N1	B−4
R8N2	C−4
R8N3	C−4
R8N4	B−4
R8N5	B−4
R8N6	C−4
R8N7	C−4
R8N8	B−4
R8N9	B−4
R8P0	C−4
R8P1	C−4
R8P2	B−4
R8P3	B−4
R8P4	C−3
R8P5	C−3
R8P6	B−3
R8P7	B−3
R8P8	C−4
R8P9	C−4
R8Q0	B−3
R8Q1	B−4
R8Q4	C−4
R8Q5	C−4
R8Q6	C−4
R8Q7	C−4
R8Q8	C−4
R8R0	C−4
R8R1	C−4
R8R2	C−4
R8R3	C−4
R8R4	C−4
R8R6	B−4
R8R7	B−4
R8R8	B−4
R8R9	B−4
R8S0	B−4
R8S1	B−4
R8S2	B−4
R8S3	B−4
R8S5	B−4
SC	E−2
SH	E−1
SJ	C−1
SK	B−1
SQ	E−1
SS	E−2
X400	B−6

PCB–MAIN (SOLDER SIDE)



PCB-MAIN (SOLDER SI

SYMBOL NO.	ADDRESS
C401	E–1
C402	D–2
C406	E–2
C440	C–1
C460	B–2
C468	B–2
C490	C–2
C491	C–2
C492	C–2
C493	C–2
C494	C–2
C4B1	D–2
C4B2	D–2
C4B5	D–2
C4B6	D–2
C4B7	D–2
C4C1	B–1
C4C2	B–1
C4G1	D–2
C4G2	D–2
C4G5	C–2
C4G6	D–2
C4G7	D–2
C4P1	D–1
C4R1	E–2
C4R2	E–2
C4R5	E–2
C4R6	E–2
C4R7	E–2
C4S1	E–1
C4S2	E–1
C4S3	E–1
C504	E–3
C505	E–3
C506	E–3
C507	E–3
C508	E–3
C513	E–3
C514	B–1
C516	E–3
C520	E–5
C521	E–5
C522	E–5
C523	E–5
C524	E–5
C531	E–5
C532	D–5
C533	D–5
C540	D–5
C541	D–5
C5A2	C–6
C5A3	D–6
C5A6	C–6
C5A7	C–6
C5A8	C–5
C5A9	C–5
C5B4	D–6
C5B5	D–6
C5B8	D–5
C5C2	D–6
C5F0	C–4
C5F1	C–4
C5F4	C–5
C5F5	C–5
C5F8	C–4
C5F9	C–4
C5G2	C–4



PCB-MAIN (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C401	E−1
C402	D−2
C406	E−2
C440	C−1
C460	B−2
C468	B−2
C490	C−2
C491	C−2
C492	C−2
C493	C−2
C494	C−2
C4B1	D−2
C4B2	D−2
C4B5	D−2
C4B6	D−2
C4B7	D−2
C4C1	B−1
C4C2	B−1
C4G1	D−2
C4G2	D−2
C4G5	C−2
C4G6	D−2
C4G7	D−2
C4P1	D−1
C4R1	E−2
C4R2	E−2
C4R5	E−2
C4R6	E−2
C4R7	E−2
C4S1	E−1
C4S2	E−1
C4S3	E−1
C504	E−3
C505	E−3
C506	E−3
C507	E−3
C508	E−3
C513	E−3
C514	B−1
C516	E−3
C520	E−5
C521	E−5
C522	E−5
C523	E−5
C524	E−5
C531	E−5
C532	D−5
C533	D−5
C540	D−5
C541	D−5
C5A2	C−6
C5A3	D−6
C5A6	C−6
C5A7	C−6
C5A8	C−5
C5A9	C−5
C5B4	D−6
C5B5	D−6
C5B8	D−5
C5C2	D−6
C5F0	C−4
C5F1	C−4
C5F4	C−5
C5F5	C−5
C5F8	C−4
C5F9	C−4
C5G2	C−4

SYMBOL NO.	ADDRESS
C5G3	C−4
C5G6	C−4
C5G8	C−5
C5G9	C−5
C5H0	D−5
C5H1	C−4
C5H2	C−4
C5L2	C−3
C5L3	C−3
C5L6	C−3
C5L7	C−3
C5M0	C−2
C5M1	C−2
C5M4	C−3
C5M5	C−3
C5M6	C−3
C5N2	C−3
C5R4	B−6
C5R7	B−6
C5S0	C−3
C5S1	C−4
C5S2	C−5
C5S3	C−3
C5S4	C−4
C5S5	C−5
C5S6	C−3
C5S7	C−4
C5S8	C−5
C5S9	B−3
C5T0	B−4
C5T1	C−5
C5T2	B−5
C5T3	B−5
C661	E−4
C705	D−6
C708	D−6
C710	B−1
C7Z0	E−5
C7Z1	E−5
C7Z2	E−5
C7Z3	E−5
C808	C−5
C809	B−5
C810	C−5
C811	B−5
C815	C−5
C816	B−5
C817	C−5
C818	B−5
C821	C−6
C822	B−6
C823	C−6
C824	B−6
C825	B−5
C826	B−5
C827	B−5
C828	B−5
C831	C−5
C832	C−5
C833	C−5
C834	B−5
C835	B−5
C8A8	C−4
C8A9	B−4
C8B0	C−4
C8B1	B−4
C8B5	C−4

SYMBOL NO.	ADDRESS
C8B6	B−4
C8B7	C−4
C8B8	B−4
C8C1	C−5
C8C2	B−5
C8C3	C−5
C8C4	B−5
C8C5	B−4
C8C6	B−4
C8C7	B−4
C8C8	B−4
C8D1	C−4
C8D2	C−4
C8D3	B−4
C8D4	B−4
C8D5	B−3
C8M8	C−3
C8M9	B−3
C8N0	C−3
C8N1	B−3
C8N5	C−3
C8N6	B−3
C8N7	C−3
C8N8	B−3
C8P1	C−4
C8P2	B−4
C8P3	C−4
C8P4	B−4
C8P5	B−3
C8P6	B−3
C8P7	B−3
C8P8	B−3
C8Q1	C−3
C8Q2	C−3
C8Q3	B−3
C8Q4	B−3
D520	E−5
D521	E−5
D523	D−5
D5A0	C−5
D5A1	D−5
D5A2	C−5
D5A3	C−5
D5A4	C−5
D5A5	C−5
D5A6	D−5
D5A7	D−5
D5F0	C−4
D5F1	C−4
D5F2	C−5
D5F3	C−5
D5F4	C−4
D5F5	C−4
D5F6	C−4
D5F7	C−4
D5L0	C−3
D5L1	C−3
D5L2	C−3
D5L3	C−3
D5L4	C−2
D5L5	C−2
D5L6	C−3
D5L7	C−3
D5R0	B−6
D603	E−5
D604	E−4

SYMBOL NO.	ADDRESS
D605	E−4
D606	E−4
D607	E−4
D608	E−4
D609	E−4
D703	D−6
D705	D−6
D708	D−6
D709	D−6
D710	D−6
D806	B−5
D8A6	B−4
D8M6	B−3
IC400	E−1
IC404	E−1
IC4B4	D−2
IC4C1	C−1
IC4G4	D−2
IC4P1	D−1
IC4R4	E−2
IC520	E−5
IC5R0	B−6
IC5R1	B−6
IC5R2	B−6
IC5R3	B−6
IC5R4	B−6
IC600	D−3
IC601	D−3
IC602	E−3
IC603	D−4
IC604	D−4
IC605	E−4
IC606	E−4
IC607	D−3
IC608	D−3
IC609	E−3
IC6E0	E−5
IC700	E−6
IC702	D−5
IC703	D−6
IC704	A−1
IC705	B−1
IC707	E−6
IC7Z0	E−5
IC804	B−5
IC805	B−5
IC807	C−5
IC808	C−5
IC809	C−5
IC810	B−5
IC8A4	B−4
IC8A5	B−4
IC8A7	C−4
IC8A8	B−4
IC8A9	C−4
IC8B0	B−4
IC8M4	B−3
IC8M5	B−3
IC8M7	C−3
IC8M8	B−3
IC8M9	C−3
L401	E−1
L440	C−1
L441	C−1
L460	B−2

SYMBOL NO.	ADDRESS
L490	C−2
L4B1	D−3
L4B2	D−3
L4B3	D−2
L4B4	D−2
L4B5	E−2
L4B6	B−2
L4C1	C−1
L4G1	D−3
L4G2	C−3
L4G3	C−2
L4G4	C−2
L4G5	D−2
L4G6	B−2
L4P1	D−1
L4R1	E−3
L4R2	E−3
L4R3	E−2
L4R4	E−2
L4R5	E−2
L4R6	A−2
L4S0	E−1
L4S1	E−1
L501	E−3
L521	E−5
L522	D−5
L523	D−5
L5A0	D−5
L5L0	C−3
L5M0	D−4
L620	B−6
L621	B−6
L622	B−6
L623	B−6
L624	B−6
L625	C−6
L626	C−6
L627	B−6
L628	B−6
L629	B−6
L630	B−6
L6E0	E−4
L6E2	E−4
L701	E−6
L702	E−6
L711	E−6
L714	E−6
L717	E−6
L720	E−6
L721	E−6
L722	E−6
L731	E−6
L732	E−6
L733	D−6
L734	D−6
L735	D−6
L740	E−6
L741	A−4
L742	D−6
L743	E−5
L744	E−5
L745	A−4
L746	E−5
L748	E−1
L749	B−1
L755	B−1
L756	B−1

SYMBOL NO.	ADDRESS
L800	B−5
L803	B−5
L804	B−5
L8A0	B−4
L8A3	B−4
L8A4	B−4
L8M3	B−3
L8M4	B−3
Q520	D−5
Q540	D−5
Q541	D−5
Q5B6	C−6
Q5B7	C−6
Q5B9	D−6
Q5C1	C−6
Q5C2	C−6
Q5G6	C−4
Q5G8	C−4
Q5H0	C−4
Q5M6	C−3
Q5M8	C−3
Q5N0	C−3
Q5R3	D−4
Q5R4	D−4
Q603	E−4
Q604	E−4
Q704	D−6
R412	E−1
R413	E−1
R414	D−1
R415	D−1
R416	D−1
R417	D−1
R462	B−1
R463	B−1
R464	B−1
R465	B−1
R466	B−1
R485	A−2
R486	A−2
R488	B−1
R489	B−1
R495	B−2
R496	B−2
R497	B−2
R498	B−2
R499	B−2
R4B1	E−1
R4B2	D−1
R4B3	D−1
R4B4	D−2
R4B5	B−2
R4B6	B−2
R4B7	B−2
R4B8	B−2
R4C1	C−1
R4C2	C−1
R4C3	B−1
R4C4	B−1
R4G1	D−1
R4G2	D−1
R4G3	D−2
R4G4	D−2
R4G5	B−2
R4G6	B−2

SYMBOL NO.	ADDRESS
R4G7	B−2
R4G8	B−2
R4R1	E−2
R4R2	E−2
R4R3	E−1
R4R4	E−1
R4R5	A−2
R4R6	A−2
R4R7	A−2
R4R8	A−2
R4S0	E−1
R4S1	E−1
R4S2	E−1
R4S3	E−1
R501	E−3
R502	E−3
R507	E−3
R508	E−3
R521	D−5
R527	B−6
R528	E−5
R540	D−5
R542	D−5
R543	D−5
R5A1	C−5
R5A3	D−6
R5A4	D−5
R5A7	C−5
R5A9	C−6
R5B0	C−6
R5B2	C−5
R5B5	C−5
R5B9	D−6
R5C1	C−6
R5C2	C−6
R5C3	C−6
R5C4	C−6
R5C5	C−6
R5C6	C−6
R5C9	C−6
R5D0	C−6
R5D1	D−6
R5D2	C−6
R5D5	C−6
R5D6	C−6
R5D7	C−6
R5D8	C−6
R5D9	C−6
R5E0	C−6
R5E1	C−6
R5F0	C−4
R5F1	C−4
R5F4	C−4
R5F6	C−5
R5F7	C−5
R5G2	C−4
R5G5	C−4
R5G7	C−4
R5H1	C−4
R5H2	C−4
R5H3	C−4
R5H7	C−4
R5H8	C−4
R5H9	C−4
R5J3	C−4
R5J4	C−4
R5J5	C−4

SYMBOL NO.	A
R5L1	C
R5L3	C
R5L4	C
R5L7	C
R5L9	C
R5M0	C
R5M4	C
R5M5	C
R5M9	C
R5N1	C
R5N2	C
R5N3	C
R5N4	C
R5N5	C
R5N7	C
R5N8	C
R5N9	C
R5P0	C
R5P1	C
R5P3	C
R5P4	C
R5P5	C
R5R5	E
R5R8	C
R5R9	C
R5S0	C
R5S1	C
R5S2	C
R5S3	C
R5S4	C
R5S5	C
R5S6	C
R5S7	C
R5S8	C
R5S9	C
R5T0	C
R5T1	C
R5T2	C
R5T3	C
R5T4	C
R5T5	C
R5T6	C
R5T7	C
R5T8	C
R5T9	C
R5U0	C
R5U1	C
R5U2	C
R5U3	C
R5U4	C
R5U5	E
R5U6	E
R5U7	E
R5U8	E
R5U9	E
R5V0	E
R5V1	C
R5V2	C
R5V3	C
R5V4	E
R5V5	E
R5V6	E
R5V7	E
R5V8	E
R5W8	D
R5X0	D
R5X1	E

SYMBOL NO.	ADDRESS
C8B6	B−4
C8B7	C−4
C8B8	B−4
C8C1	C−5
C8C2	B−5
C8C3	C−5
C8C4	B−5
C8C5	B−4
C8C6	B−4
C8C7	B−4
C8C8	B−4
C8D1	C−4
C8D2	C−4
C8D3	B−4
C8D4	B−4
C8D5	B−3
C8M8	C−3
C8M9	B−3
C8N0	C−3
C8N1	B−3
C8N5	C−3
C8N6	B−3
C8N7	C−3
C8N8	B−3
C8P1	C−4
C8P2	B−4
C8P3	C−4
C8P4	B−4
C8P5	B−3
C8P6	B−3
C8P7	B−3
C8P8	B−3
C8Q1	C−3
C8Q2	C−3
C8Q3	B−3
C8Q4	B−3
D520	E−5
D521	E−5
D523	D−5
D5A0	C−5
D5A1	D−5
D5A2	C−5
D5A3	C−5
D5A4	C−5
D5A5	C−5
D5A6	D−5
D5A7	D−5
D5F0	C−4
D5F1	C−4
D5F2	C−5
D5F3	C−5
D5F4	C−4
D5F5	C−4
D5F6	C−4
D5F7	C−4
D5L0	C−3
D5L1	C−3
D5L2	C−3
D5L3	C−3
D5L4	C−2
D5L5	C−2
D5L6	C−3
D5L7	C−3
D5R0	B−6
D603	E−5
D604	E−4

SYMBOL NO.	ADDRESS
D605	E−4
D606	E−4
D607	E−4
D608	E−4
D609	E−4
D703	D−6
D705	D−6
D708	D−6
D709	D−6
D710	D−6
D806	B−5
D8A6	B−4
D8M6	B−3
IC400	E−1
IC404	E−1
IC4B4	D−2
IC4C1	C−1
IC4G4	D−2
IC4P1	D−1
IC4R4	E−2
IC520	E−5
IC5R0	B−6
IC5R1	B−6
IC5R2	B−6
IC5R3	B−6
IC5R4	B−6
IC600	D−3
IC601	D−3
IC602	E−3
IC603	D−4
IC604	D−4
IC605	E−4
IC606	E−4
IC607	D−3
IC608	D−3
IC609	E−3
IC6E0	E−5
IC700	E−6
IC702	D−5
IC703	D−6
IC704	A−1
IC705	B−1
IC707	E−6
IC7Z0	E−5
IC804	B−5
IC805	B−5
IC807	C−5
IC808	C−5
IC809	C−5
IC810	B−5
IC8A4	B−4
IC8A5	B−4
IC8A7	C−4
IC8A8	B−4
IC8A9	C−4
IC8B0	B−4
IC8M4	B−3
IC8M5	B−3
IC8M7	C−3
IC8M8	B−3
IC8M9	C−3
L401	E−1
L440	C−1
L441	C−1
L460	B−2

SYMBOL NO.	ADDRESS
L490	C−2
L4B1	D−3
L4B2	D−3
L4B3	D−2
L4B4	D−2
L4B5	E−2
L4B6	B−2
L4C1	C−1
L4G1	D−3
L4G2	C−3
L4G3	C−2
L4G4	C−2
L4G5	D−2
L4G6	B−2
L4P1	D−1
L4R1	E−3
L4R2	E−3
L4R3	E−2
L4R4	E−2
L4R5	E−2
L4R6	A−2
L4S0	E−1
L4S1	E−1
L501	E−3
L521	E−5
L522	D−5
L523	D−5
L5A0	D−5
L5L0	C−3
L5M0	D−4
L620	B−6
L621	B−6
L622	B−6
L623	B−6
L624	B−6
L625	C−6
L626	C−6
L627	B−6
L628	B−6
L629	B−6
L630	B−6
L6E0	E−4
L6E2	E−4
L701	E−6
L702	E−6
L711	E−6
L714	E−6
L717	E−6
L720	E−6
L721	E−6
L722	E−6
L731	E−6
L732	E−6
L733	D−6
L734	D−6
L735	D−6
L740	E−6
L741	A−4
L742	D−6
L743	E−5
L744	E−5
L745	A−4
L746	E−5
L748	E−1
L749	B−1
L755	B−1
L756	B−1

SYMBOL NO.	ADDRESS
L800	B−5
L803	B−5
L804	B−5
L8A0	B−4
L8A3	B−4
L8A4	B−4
L8M3	B−3
L8M4	B−3
Q520	D−5
Q540	D−5
Q541	D−5
Q5B6	C−6
Q5B7	C−6
Q5B9	D−6
Q5C1	C−6
Q5C2	C−6
Q5G6	C−4
Q5G8	C−4
Q5H0	C−4
Q5M6	C−3
Q5M8	C−3
Q5N0	C−3
Q5R3	D−4
Q5R4	D−4
Q603	E−4
Q604	E−4
Q704	D−6
R412	E−1
R413	E−1
R414	D−1
R415	D−1
R416	D−1
R417	D−1
R462	B−1
R463	B−1
R464	B−1
R465	B−1
R466	B−1
R485	A−2
R486	A−2
R488	B−1
R489	B−1
R495	B−2
R496	B−2
R497	B−2
R498	B−2
R499	B−2
R4B1	E−1
R4B2	D−1
R4B3	D−1
R4B4	D−2
R4B5	B−2
R4B6	B−2
R4B7	B−2
R4B8	B−2
R4C1	C−1
R4C2	C−1
R4C3	B−1
R4C4	B−1
R4G1	D−1
R4G2	D−1
R4G3	D−2
R4G4	D−2
R4G5	B−2
R4G6	B−2

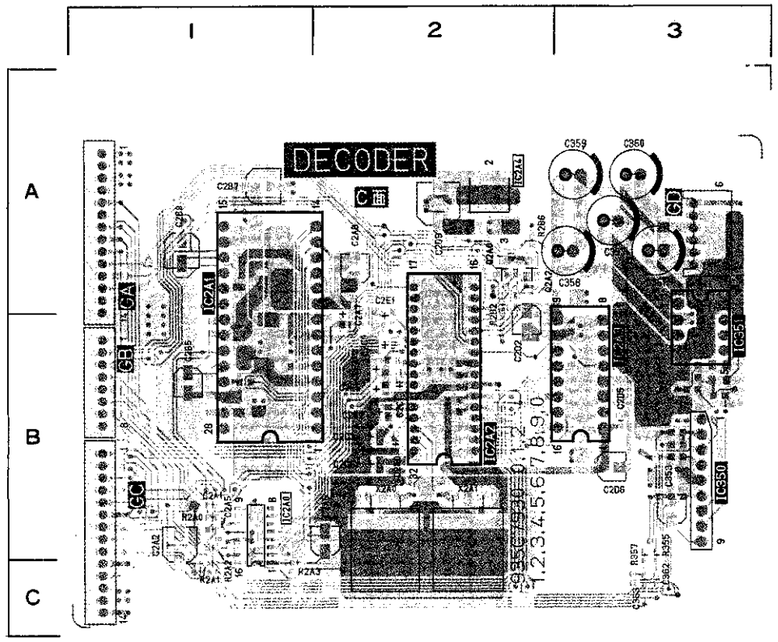
SYMBOL NO.	ADDRESS
R4G7	B−2
R4G8	B−2
R4R1	E−2
R4R2	E−2
R4R3	E−1
R4R4	E−1
R4R5	A−2
R4R6	A−2
R4R7	A−2
R4R8	A−2
R4S0	E−1
R4S1	E−1
R4S2	E−1
R4S3	E−1
R501	E−3
R502	E−3
R507	E−3
R508	E−3
R521	D−5
R527	B−6
R528	E−5
R540	D−5
R542	D−5
R543	D−5
R5A1	C−5
R5A3	D−6
R5A4	D−5
R5A7	C−5
R5A9	C−6
R5B0	C−6
R5B2	C−5
R5B5	C−5
R5B9	D−6
R5C1	C−6
R5C2	C−6
R5C3	C−6
R5C4	C−6
R5C5	C−6
R5C6	C−6
R5C9	C−6
R5D0	C−6
R5D1	D−6
R5D2	C−6
R5D5	C−6
R5D6	C−6
R5D7	C−6
R5D8	C−6
R5D9	C−6
R5E0	C−6
R5E1	C−6
R5F0	C−4
R5F1	C−4
R5F4	C−4
R5F6	C−5
R5F7	C−5
R5G2	C−4
R5G5	C−4
R5G7	C−4
R5H1	C−4
R5H2	C−4
R5H3	C−4
R5H7	C−4
R5H8	C−4
R5H9	C−4
R5J3	C−4
R5J4	C−4
R5J5	C−4

SYMBOL NO.	ADDRESS
R5L1	C−3
R5L3	C−3
R5L4	C−3
R5L7	C−3
R5L9	C−3
R5M0	C−3
R5M4	C−2
R5M5	C−2
R5M9	C−3
R5N1	C−3
R5N2	C−3
R5N3	C−3
R5N4	C−3
R5N5	C−3
R5N7	C−3
R5N8	C−3
R5N9	C−3
R5P0	C−3
R5P1	C−3
R5P3	C−3
R5P4	C−3
R5P5	C−3
R5R5	B−6
R5R8	C−3
R5R9	C−3
R5S0	C−3
R5S1	C−4
R5S2	C−4
R5S3	C−4
R5S4	C−5
R5S5	C−5
R5S6	C−5
R5S7	C−3
R5S8	C−3
R5S9	C−3
R5T0	C−4
R5T1	C−4
R5T2	C−4
R5T3	C−5
R5T4	C−5
R5T5	C−5
R5T6	C−3
R5T7	C−3
R5T8	C−3
R5T9	C−4
R5U0	C−4
R5U1	C−4
R5U2	C−5
R5U3	C−5
R5U4	C−5
R5U5	B−3
R5U6	B−3
R5U7	B−3
R5U8	B−4
R5U9	B−4
R5V0	B−4
R5V1	C−5
R5V2	C−5
R5V3	C−5
R5V4	B−5
R5V5	B−5
R5V6	B−5
R5V7	B−5
R5V8	B−5
R5W8	D−4
R5X0	D−4
R5X1	B−5

SYMBOL NO.	ADDRESS
R5X2	B−5
R5X3	B−3
R5X4	B−5
R5X5	B−5
R5X6	B−3
R652	E−4
R653	E−4
R665	E−4
R666	E−4
R675	E−4
R676	E−4
R6A1	D−3
R6A2	D−3
R6A3	D−3
R6A4	D−3
R6B0	D−3
R6B1	D−3
R6B2	D−3
R6B3	D−3
R6B5	E−3
R6B6	D−3
R6B7	E−3
R6B8	E−3
R702	D−6
R704	D−6
R707	D−6
R711	D−6
R716	E−6
R727	E−6
R728	D−6
R731	E−6
R732	D−6
R733	D−6
R734	D−6
R735	D−6
R737	E−6
R744	D−6
R745	D−6
R746	D−6
R747	D−6
R751	B−1
R800	C−5
R801	C−5
R802	C−5
R803	C−5
R804	C−6
R805	C−6
R810	C−5
R832	B−5
R833	B−5
R839	C−5
R845	C−5
R8A0	C−4
R8A1	C−4
R8A2	C−4
R8A3	C−4
R8A4	C−5
R8A5	C−5
R8B0	C−4
R8D2	B−4
R8D3	B−4
R8D9	C−4
R8E5	C−4
R8M0	C−3
R8M1	C−3
R8M2	C−3
R8M3	C−3

SYMBOL NO.	ADDRESS
R8M4	C−4
R8M5	C−4
R8N0	C−3
R8Q2	B−3
R8Q3	B−3
R8Q9	C−3
R8R5	C−3
SA	E−1
SB	C−3
SD	E−6
SE	D−1
SF	A−5
SG	D−4
SL	A−4
SM	E−5
SN	E−5
SP	E−5
SR	C−5
ST	B−1
SU	A−5
SV	D−1
SX	A−6
TP6B1	D−3
TP6G1	D−3
TP6R1	E−3
TP701	D−6
TP702	E−5
TP703	E−5
TP704	E−5
TP705	A−6
TP706	E−6
TPHD	E−5
TPHSY	A−1
TPIHD	E−2
TPSEOL	C−1
TPVD	E−5
TPVSY	A−1

PCB–DECODER (COMPONENT SIDE)

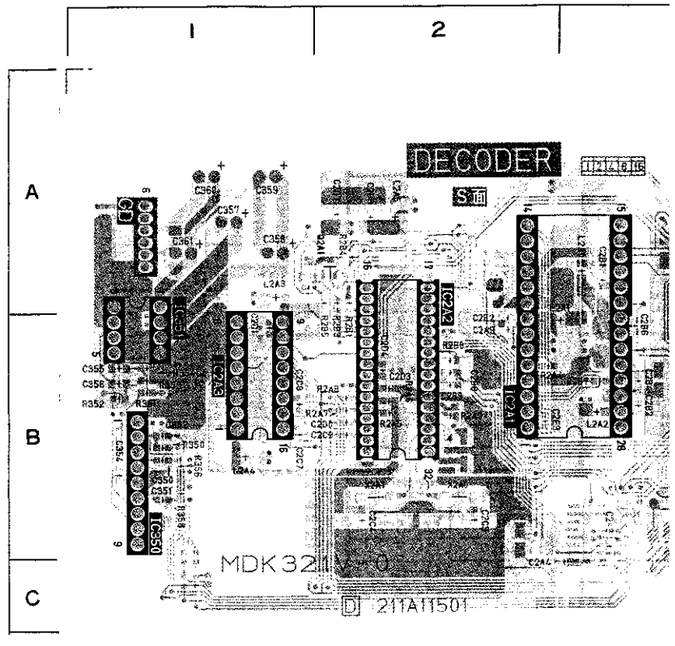


PCB-DECODER (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
C2A1	B–1
C2A2	B–1
C2A5	B–1
C2A6	B–2
C2A7	B–2
C2A8	A–2
C2B0	A–1
C2B5	B–1
C2B7	A–1
C2C0	B–2
C2C1	B–2
C2C2	B–2
C2C3	B–2
C2C6	B–2
C2D2	B–2
C2D5	B–2
C2D6	B–2
C2D9	A–2
C2E0	B–2
C2E1	B–2
C2E4	B–2
C2E5	B–2
C353	B–3
C357	A–3
C358	A–3
C359	A–3
C360	A–3
C361	A–3
C362	C–3
C363	C–3

SYMBOL NO.	ADDRESS
GA	A–1
GB	B–1
GC	B–1
GD	A–3
IC2A0	B–1
IC2A1	B–2
IC2A2	B–2
IC2A3	B–3
IC2A4	A–2
IC350	B–3
IC351	A–3
Q2A0	A–2
Q2A2	A–2
R2A0	B–1
R2A1	C–1
R2A2	B–1
R2A3	B–1
R2B2	B–2
R2B6	B–2
R355	B–3
R357	B–3
X2A0	B–2
X2A1	B–2

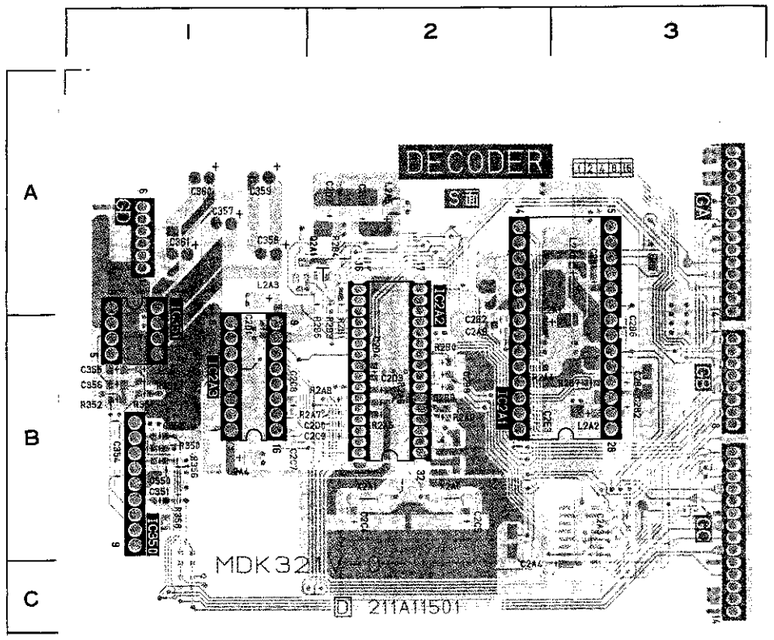
PCB–DECODER (SOLDER SIDE)



ER (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
GA	A−1
GB	B−1
GC	B−1
GD	A−3
IC2A0	B−1
IC2A1	B−2
IC2A2	B−2
IC2A3	B−3
IC2A4	A−2
IC350	B−3
IC351	A−3
Q2A0	A−2
Q2A2	A−2
R2A0	B−1
R2A1	C−1
R2A2	B−1
R2A3	B−1
R2B2	B−2
R2B6	B−2
R355	B−3
R357	B−3
X2A0	B−2
X2A1	B−2

PCB−DECODER (SOLDER SIDE)

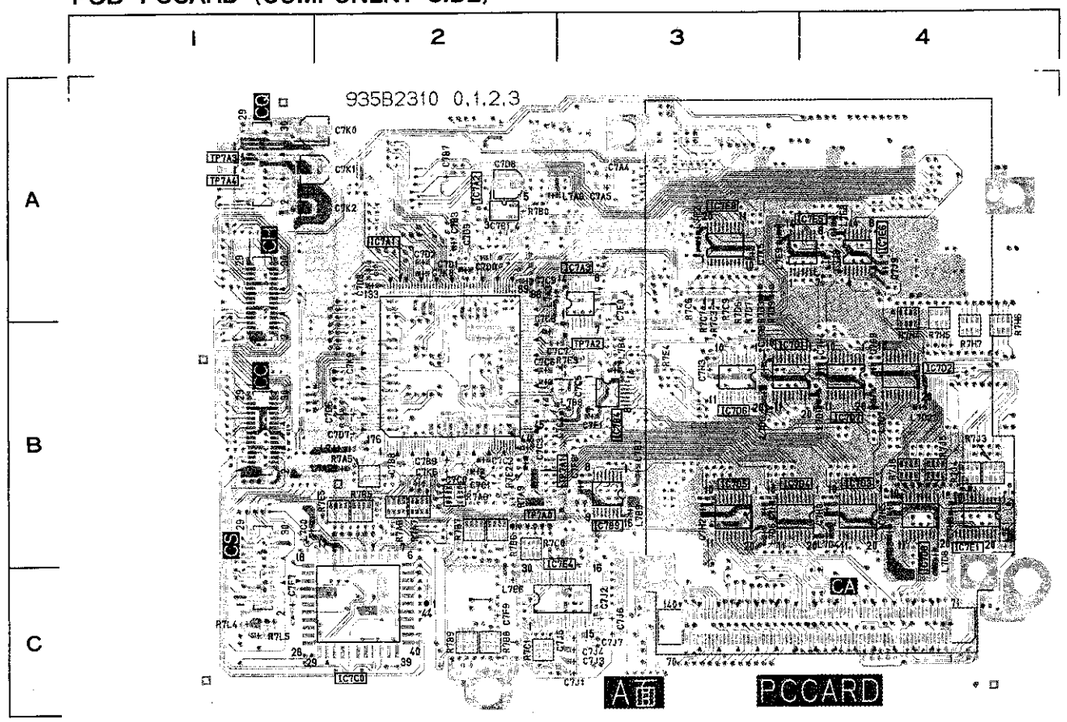


PCB-DECODER (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C2A3	B−3
C2A4	C−3
C2A9	B−2
C2B1	A−3
C2B2	B−3
C2B4	B−3
C2B6	B−3
C2B8	B−2
C2B9	B−2
C2C4	B−2
C2C5	B−2
C2C7	B−1
C2C8	B−1
C2C9	B−2
C2D0	B−2
C2D1	B−1
C2D3	B−2
C2D4	B−2
C2D7	A−2
C2D8	A−2
C2E2	B−2
C2E3	B−2
C350	B−1
C351	B−1
C352	B−1
C354	B−1
C355	B−1
C356	B−1
L2A0	A−3

SYMBOL NO.	ADDRESS
L2A1	B−3
L2A2	B−3
L2A3	A−1
L2A4	B−1
L2A5	A−2
Q2A1	A−2
R2A4	B−2
R2A5	B−2
R2A6	B−2
R2A7	B−2
R2A8	B−2
R2A9	B−2
R2B0	B−2
R2B1	A−2
R2B3	A−2
R2B4	A−2
R2B5	A−2
R2B7	B−3
R350	B−1
R351	B−1
R352	B−1
R353	B−1
R354	B−1
R356	B−1
R358	B−1

PCB-PCCARD (COMPONENT SIDE)



PCB-PCCARD (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
C7A4	A−3
C7A5	A−3
C7B1	A−2
C7B3	A−2
C7B7	A−2
C7B8	B−2
C7B9	B−2
C7C0	B−2
C7C1	B−2
C7C2	B−2
C7C3	B−2
C7C4	B−2
C7C5	B−2
C7C6	B−2
C7C7	A−2
C7C8	A−2
C7C9	A−2
C7D0	A−2
C7D1	A−2
C7D2	A−2
C7D3	A−2
C7D6	B−2
C7D7	B−2
C7D8	A−2
C7D9	A−2
C7E0	A−3
C7F1	B−3
C7F6	B−2
C7F7	C−1
C7F9	C−2

SYMBOL NO.	ADDRESS
C7G8	B−3
C7G9	B−4
C7H0	B−3
C7H1	B−3
C7H2	B−3
C7H3	B−3
C7H4	B−3
C7H5	B−4
C7H8	B−4
C7J1	C−2
C7J2	C−3
C7J3	C−2
C7J4	C−2
C7J5	C−2
C7J6	C−3
C7J7	C−3
C7J8	A−3
C7J9	A−4
C7K0	A−1
C7K1	A−1
C7K2	A−1
C7K5	A−3
C7K6	B−2
C7K8	A−2
C7K9	B−2
CA	C−3
CC	B−1
CH	A−1
CQ	A−1

SYMBOL NO.	ADDRESS
CS	B−1
IC7A1	B−2
IC7A2	A−2
IC7A3	A−2
IC7B4	B−3
IC7B9	B−3
IC7C0	C−2
IC7D1	B−3
IC7D2	B−4
IC7D3	B−4
IC7D4	B−3
IC7D5	B−3
IC7D6	B−3
IC7D7	B−4
IC7D8	B−4
IC7E1	B−4
IC7E4	C−2
IC7E5	A−3
IC7E6	A−4
IC7E8	A−3
L7A0	A−2
L7A1	B−2
L7A2	B−1
L7A3	A−2
L7B4	B−3
L7B7	B−3
L7B8	B−2
L7B9	B−3

SYMBOL NO.	ADDRESS
L7C0	B−1
L7D1	B−3
L7D2	B−4
L7D3	B−4
L7D4	B−3
L7D5	B−3
L7D6	B−3
L7D7	B−4
L7D8	B−4
L7E1	B−4
L7E6	B−2
L7E8	A−4
L7E9	A−3
L7F2	A−3
R7A5	B−2
R7A6	B−2
R7A7	B−2
R7A8	B−2
R7A9	B−2
R7B0	A−2
R7B5	B−2
R7B6	B−2
R7B7	B−2
R7B8	C−2
R7B9	C−2
R7C0	B−2
R7C1	C−2
R7C3	A−3
R7C6	A−3

SYMBOL NO.	ADDRESS
R7C7	A−3
R7C9	A−3
R7D3	A−3
R7D6	A−3
R7D7	A−3
R7D9	A−3
R7E2	B−2
R7E3	B−2
R7E4	B−3
R7E5	B−1
R7H4	A−4
R7H5	A−4
R7H6	A−4
R7H7	A−4
R7J3	B−4
R7J4	B−4
R7J5	B−4
R7J6	B−4
R7L4	C−1
R7L5	C−1
TP7A0	B−2
TP7A1	B−2
TP7A2	B−3
TP7A3	A−1
TP7A4	A−1

PONENT SIDE)

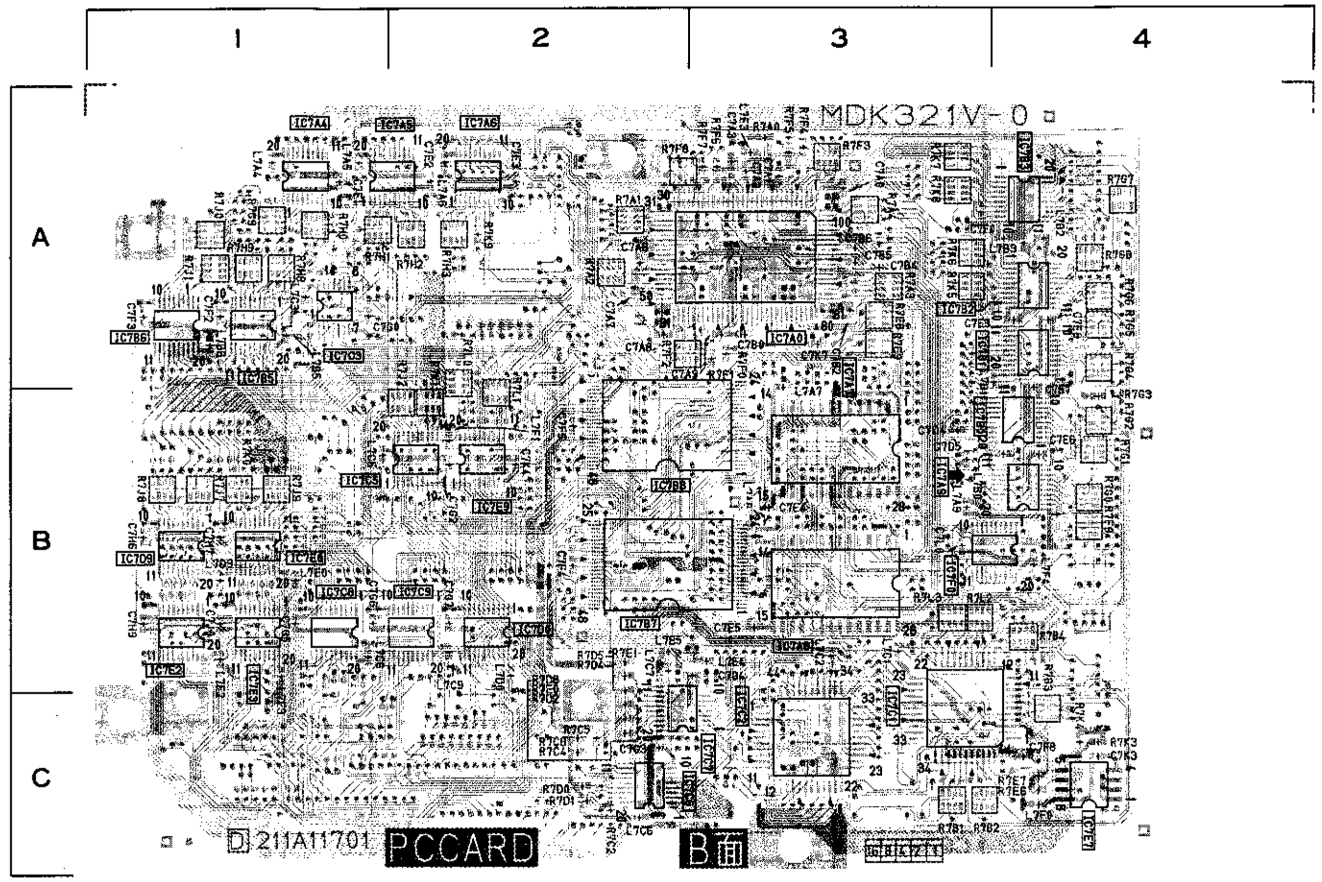
SYMBOL NO.	ADDRESS
C7G8	B−3
C7G9	B−4
C[illegible]H0	B−3
C[illegible]H1	B−3
C7H2	B−3
C[illegible]H3	B−3
C[illegible]H4	B−3
C[illegible]H5	B−4
C7H8	B−4
C[illegible]J1	C−2
C[illegible]J2	C−3
C7J3	C−2
C7J4	C−2
C[illegible]J5	C−2
C[illegible]J6	C−3
C7J7	C−3
C7J8	A−3
C[illegible]J9	A−4
C[illegible]K0	A−1
C7K1	A−1
C7K2	A−1
C[illegible]K5	A−3
C[illegible]K6	B−2
C7K8	A−2
C7K9	B−2
C[illegible]	C−3
CC	B−1
C[illegible]	A−1
[illegible]	A−1

SYMBOL NO.	ADDRESS
CS	B−1
IC7A1	B−2
IC7A2	A−2
IC7A3	A−2
IC7B4	B−3
IC7B9	B−3
IC7C0	C−2
IC7D1	B−3
IC7D2	B−4
IC7D3	B−4
IC7D4	B−3
IC7D5	B−3
IC7D6	B−3
IC7D7	B−4
IC7D8	B−4
IC7E1	B−4
IC7E4	C−2
IC7E5	A−3
IC7E6	A−4
IC7E8	A−3
L7A0	A−2
L7A1	B−2
L7A2	B−1
L7A3	A−2
L7B4	B−3
L7B7	B−3
L7B8	B−2
L7B9	B−3

SYMBOL NO.	ADDRESS
L7C0	B−1
L7D1	B−3
L7D2	B−4
L7D3	B−4
L7D4	B−3
L7D5	B−3
L7D6	B−3
L7D7	B−4
L7D8	B−4
L7E1	B−4
L7E6	B−2
L7E8	A−4
L7E9	A−3
L7F2	A−3
R7A5	B−2
R7A6	B−2
R7A7	B−2
R7A8	B−2
R7A9	B−2
R7B0	A−2
R7B5	B−2
R7B6	B−2
R7B7	B−2
R7B8	C−2
R7B9	C−2
R7C0	B−2
R7C1	C−2
R7C3	A−3
R7C6	A−3

SYMBOL NO.	ADDRESS
R7C7	A−3
R7C9	A−3
R7D3	A−3
R7D6	A−3
R7D7	A−3
R7D9	A−3
R7E2	B−2
R7E3	B−2
R7E4	B−3
R7E5	B−1
R7H4	A−4
R7H5	A−4
R7H6	A−4
R7H7	A−4
R7J3	B−4
R7J4	B−4
R7J5	B−4
R7J6	B−4
R7L4	C−1
R7L5	C−1
TP7A0	B−2
TP7A1	B−2
TP7A2	B−3
TP7A3	A−1
TP7A4	A−1

PCB−PCCARD (SOLDER SIDE)

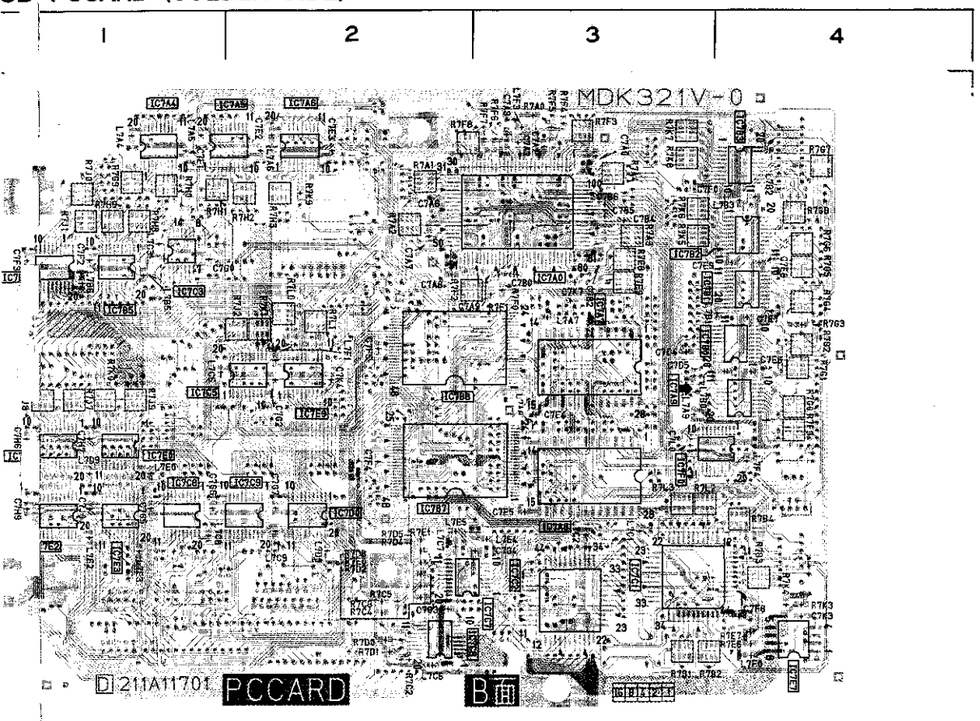


PCB-PCCARD (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C7A0	A−3
C7A1	A−3
C7A2	A−3
C7A3	A−3
C7A6	A−2
C7A7	A−2
C7A8	A−3
C7A9	A−3
C7B0	A−3
C7B2	A−3
C7B4	A−3
C7B5	A−3
C7B6	A−3
C7D4	B−4
C7D5	B−4
C7E1	A−1
C7E2	A−2
C7E3	A−2
C7E4	B−3
C7E5	B−3
C7E6	B−4
C7E7	B−4
C7E8	A−4
C7E9	A−4
C7F0	A−4
C7F2	A−1
C7F3	A−1
C7F4	B−2
C7F5	B−2
C7F8	C−4

SYMBOL NO.	ADDRE
C7G0	A−2
C7G2	B−2
C7G3	C−3
C7G4	C−3
C7G5	B−1
C7G6	B−2
C7G7	B−2
C7H6	B−1
C7H7	B−1
C7H9	B−1
C7J0	B−1
C7K3	C−4
C7K4	B−2
C7K7	A−3
C7L0	B−4
IC7A0	A−3
IC7A4	A−1
IC7A5	A−2
IC7A6	A−2
IC7A7	B−3
IC7A8	B−3
IC7A9	B−4
IC7B0	B−4
IC7B1	A−4
IC7B2	A−4
IC7B3	A−4
IC7B5	A−1
IC7B6	A−1
IC7B7	B−3

PCB–PCCARD (SOLDER SIDE)



PCB-PCCARD (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C7A0	A–3
C7A1	A–3
C7A2	A–3
C7A3	A–3
C7A6	A–2
C7A7	A–2
C7A8	A–3
C7A9	A–3
C7B0	A–3
C7B2	A–3
C7B4	A–3
C7B5	A–3
C7B6	A–3
C7D4	B–4
C7D5	B–4
C7E1	A–1
C7E2	A–2
C7E3	A–2
C7E4	B–3
C7E5	B–3
C7E6	B–4
C7E7	B–4
C7E8	A–4
C7E9	A–4
C7F0	A–4
C7F2	A–1
C7F3	A–1
C7F4	B–2
C7F5	B–2
C7F8	C–4

SYMBOL NO.	ADDRESS
C7G0	A–2
C7G2	B–2
C7G3	C–3
C7G4	C–3
C7G5	B–1
C7G6	B–2
C7G7	B–2
C7H6	B–1
C7H7	B–1
C7H9	B–1
C7J0	B–1
C7K3	C–4
C7K4	B–2
C7K7	A–3
C7L0	B–4
IC7A0	A–3
IC7A4	A–1
IC7A5	A–2
IC7A6	A–2
IC7A7	B–3
IC7A8	B–3
IC7A9	B–4
IC7B0	B–4
IC7B1	A–4
IC7B2	A–4
IC7B3	A–4
IC7B5	A–1
IC7B6	A–1
IC7B7	B–3

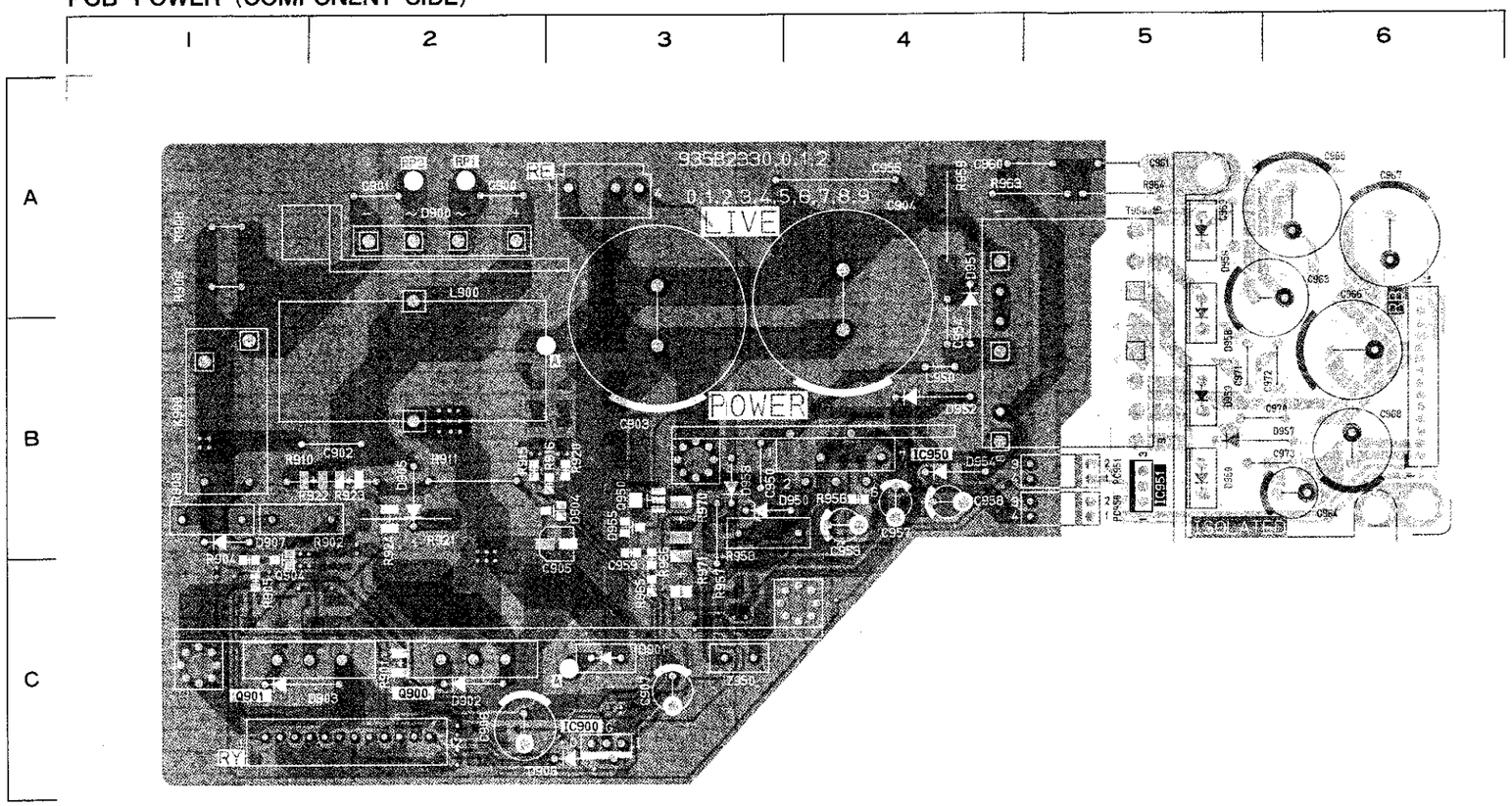
SYMBOL NO.	ADDRESS
IC7B8	B–3
IC7C1	C–4
IC7C2	C–3
IC7C3	A–1
IC7C5	B–2
IC7C6	C–3
IC7C7	C–3
IC7C8	B–1
IC7C9	B–2
IC7D0	B–2
IC7D9	B–1
IC7E0	B–1
IC7E2	B–1
IC7E3	B–1
IC7E7	C–4
IC7E9	B–2
IC7F0	B–4
L7A4	A–1
L7A5	A–2
L7A6	A–2
L7A7	B–3
L7A8	B–3
L7A9	B–4
L7B0	B–4
L7B1	B–4
L7B2	A–4
L7B3	A–4
L7B5	A–1
L7B6	A–1

SYMBOL NO.	ADDRESS
L7C1	B–3
L7C2	B–3
L7C3	A–1
L7C5	B–2
L7C6	C–2
L7C7	C–3
L7C8	B–2
L7C9	B–2
L7D0	C–2
L7D9	B–1
L7E0	B–1
L7E2	B–1
L7E3	C–1
L7E4	B–3
L7E5	B–3
L7F0	C–4
L7F1	B–2
L7F3	A–3
L7F4	B–4
R7A0	A–3
R7A1	A–2
R7A2	A–2
R7A3	A–3
R7A4	A–3
R7B1	C–4
R7B2	C–4
R7B3	C–4
R7B4	B–4
R7C2	C–2

SYMBOL NO.	ADDRESS
R7C4	C–2
R7C5	C–2
R7C8	C–2
R7D0	C–2
R7D1	C–2
R7D2	C–2
R7D4	C–2
R7D5	C–2
R7D8	C–2
R7E0	C–2
R7E1	B–2
R7E6	C–4
R7E7	C–4
R7E8	A–3
R7E9	A–3
R7F0	A–3
R7F1	A–3
R7F2	A–3
R7F3	A–3
R7F4	A–3
R7F5	A–3
R7F6	A–3
R7F7	A–3
R7F8	A–3
R7F9	B–4
R7G0	B–4
R7G1	B–4
R7G2	B–4
R7G3	B–4
R7G4	B–4

SYMBOL NO.	ADDRESS
R7G5	A–4
R7G6	A–4
R7G7	A–4
R7G8	A–4
R7G9	A–1
R7H0	A–1
R7H1	A–2
R7H2	A–2
R7H3	A–2
R7H8	A–1
R7H9	A–1
R7J0	A–1
R7J1	A–1
R7J2	B–2
R7J7	B–1
R7J8	B–1
R7J9	B–1
R7K0	B–1
R7K1	B–2
R7K3	C–4
R7K4	C–4
R7K5	A–4
R7K6	A–4
R7K7	A–4
R7K8	A–4
R7K9	A–2
R7L0	B–2
R7L1	B–2
R7L2	B–4
R7L3	B–4

PCB-POWER (COMPONENT SIDE)



PCB-POWER (COMPONENT SIDE)

SYMBOL NO.	ADDRESS
A	C-3
A	B-3
C900	A-2
C901	A-2
C902	B-1
C903	A-3
C904	A-4
C905	B-3
C906	C-2
C907	C-3
C950	B-3
C953	B-4
C954	B-4
C955	A-3
C957	B-4
C958	B-4
C959	B-3
C960	A-4
C961	A-5
C963	A-6
C964	B-6
C965	A-6
C966	B-6
C967	A-6
C968	B-6
C969	A-5
C970	B-5
C971	B-5
C972	B-6

SYMBOL NO.	ADDRESS
C973	B-5
D900	A-2
D901	C-3
D902	C-2
D903	C-1
D904	B-3
D905	B-2
D906	C-3
D907	B-1
D950	B-3
D951	A-4
D952	B-4
D953	B-3
D954	B-4
D955	B-3
D956	A-5
D957	B-5
D958	A-5
D959	B-5
D960	B-5
IC900	C-3
IC950	B-4
IC951	B-5
K900	B-1
L900	B-2
L950	B-4

SYMBOL NO.	ADDRESS
PC950	B-5
PC951	B-5
Q900	C-2
Q901	C-1
Q904	C-1
Q950	B-3
R901	C-2
R902	B-1
R903	B-1
R904	C-1
R905	C-1
R908	A-1
R909	A-1
R910	B-1
R911	B-2
R915	B-2
R916	B-3
R920	B-3
R921	B-2
R922	B-2
R923	B-2
R924	B-2
R956	B-4
R957	C-3
R958	B-3
R959	A-4
R963	A-4

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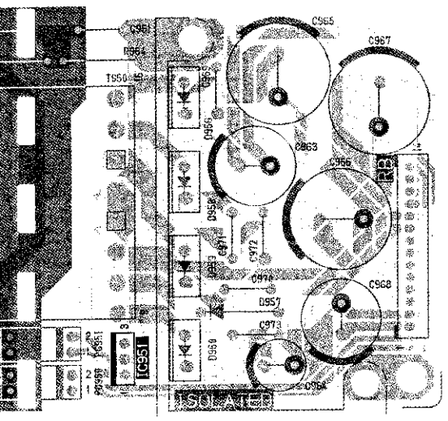


PCB-POWER (COMPONENT SIDE)

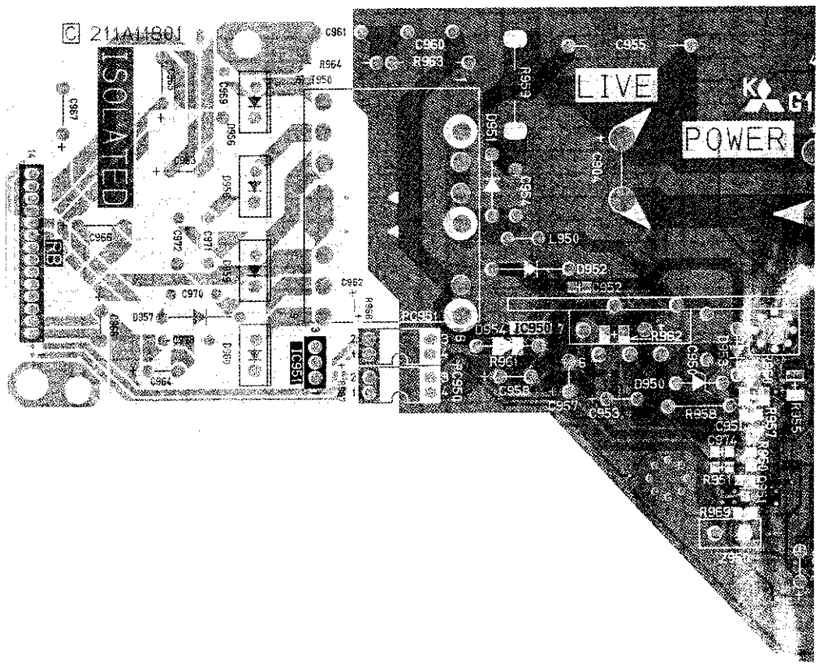
SYMBOL NO.	ADDRESS
A	C-3
A	B-3
C900	A-2
C901	A-2
C902	B-1
C903	A-3
C904	A-4
C905	B-3
C906	C-2
C907	C-3
C950	B-3
C953	B-4
C954	B-4
C955	A-3
C957	B-4
C958	B-4
C959	B-3
C960	A-4
C961	A-5
C963	A-6
C964	B-6
C965	A-6
C966	B-6
C967	A-6
C968	B-6
C969	A-5
C970	B-5
C971	B-5
C972	B-6

SYMBOL NO.	ADDRESS
C973	B-5
D900	A-2
D901	C-3
D902	C-2
D903	C-1
D904	B-3
D905	B-2
D906	C-3
D907	B-1
D950	B-3
D951	A-4
D952	B-4
D953	B-3
D954	B-4
D955	B-3
D956	A-5
D957	B-5
D958	A-5
D959	B-5
D960	B-5
IC900	C-3
IC950	B-4
IC951	B-5
K900	B-1
L900	B-2
L950	B-4

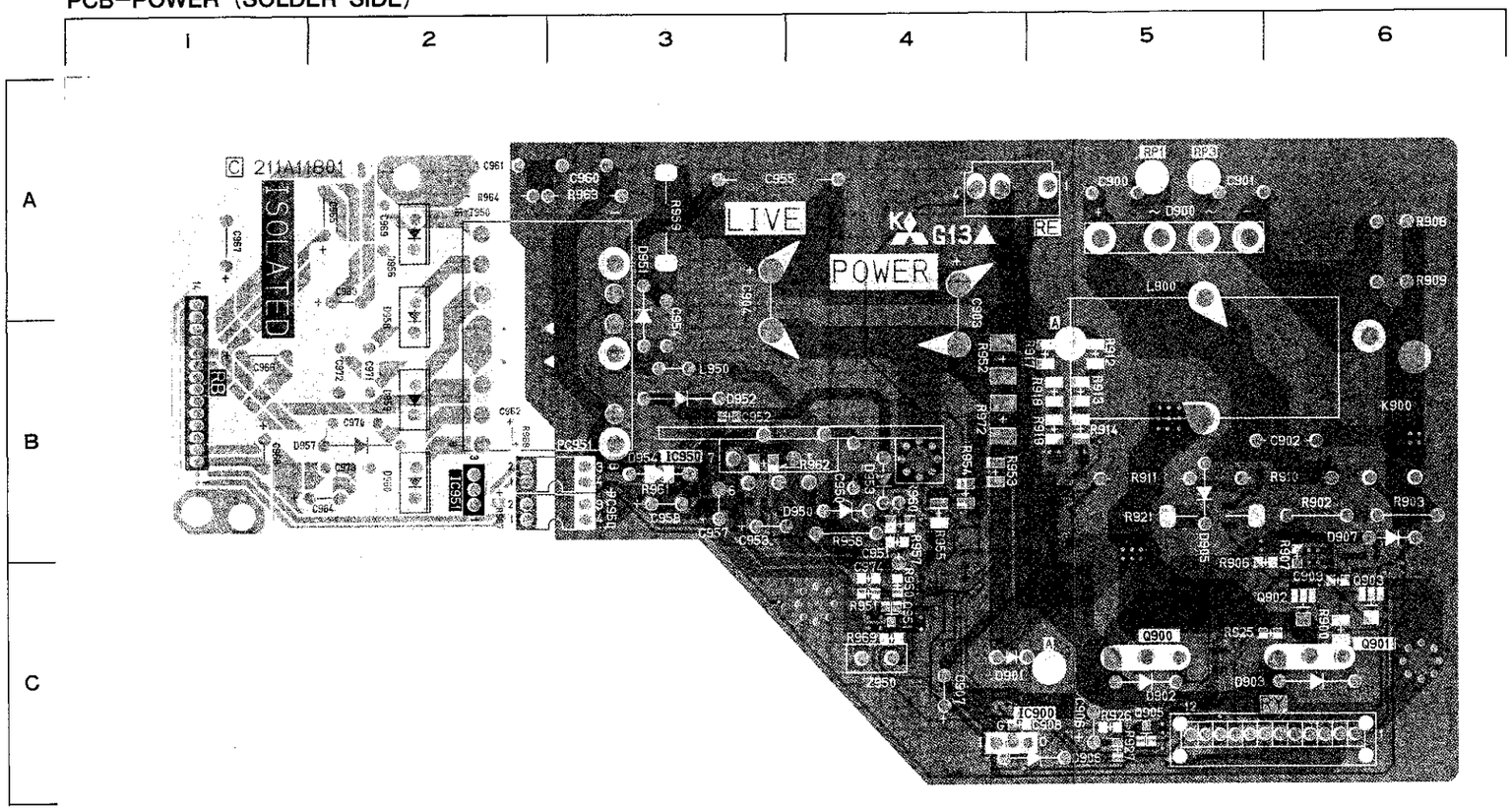
SYMBOL NO.	ADDRESS
PC950	B-5
PC951	B-5
Q900	C-2
Q901	C-1
Q904	C-1
Q950	B-3
R901	C-2
R902	B-1
R903	B-1
R904	C-1
R905	C-1
R908	A-1
R909	A-1
R910	B-1
R911	B-2
R915	B-2
R916	B-3
R920	B-3
R921	B-2
R922	B-2
R923	B-2
R924	B-2
R956	B-4
R957	C-3
R958	B-3
R959	A-4
R963	A-4

SYMBOL NO.	ADDRESS
R964	A-5
R965	C-3
R966	C-3
R970	B-3
R971	C-3
RB	B-6
RE	A-3
RP1	A-2
RP3	A-2
RY	C-1
T950	A-4
Z950	C-3

PCB-POWER (SOLDER SIDE)



PCB–POWER (SOLDER SIDE)

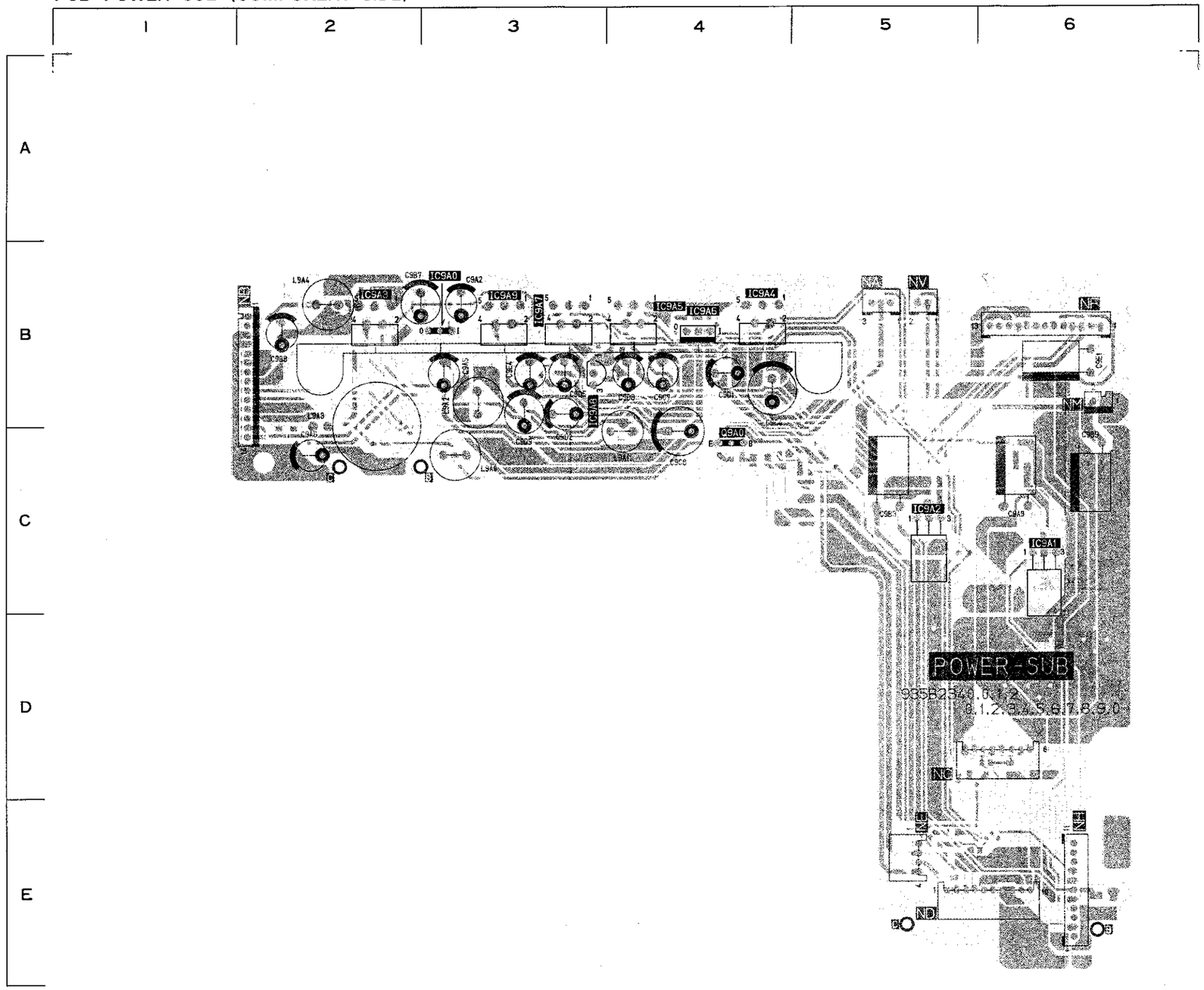


PCB–POWER (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C908	C–4
C909	C–6
C951	B–4
C952	B–3
C962	B–2
C974	C–4
C9E0	C–3
C9E6	C–3
Q902	C–6
Q903	C–6
Q905	C–5
Q951	C–4
R900	C–6
R906	C–6
R907	C–6
R912	B–5
R913	B–5
R914	B–5
R917	B–5
R918	B–5
R919	B–5
R925	C–6
R926	C–5
R927	C–5
R950	C–4
R951	C–4
R952	B–4
R953	B–4

SYMBOL NO.	ADDRESS
R954	B–4
R955	B–4
R960	B–4
R961	B–3
R962	B–3
R967	B–2
R968	B–2
R969	C–4
R972	B–4

PCB-POWER-SUB (COMPONENT SIDE)

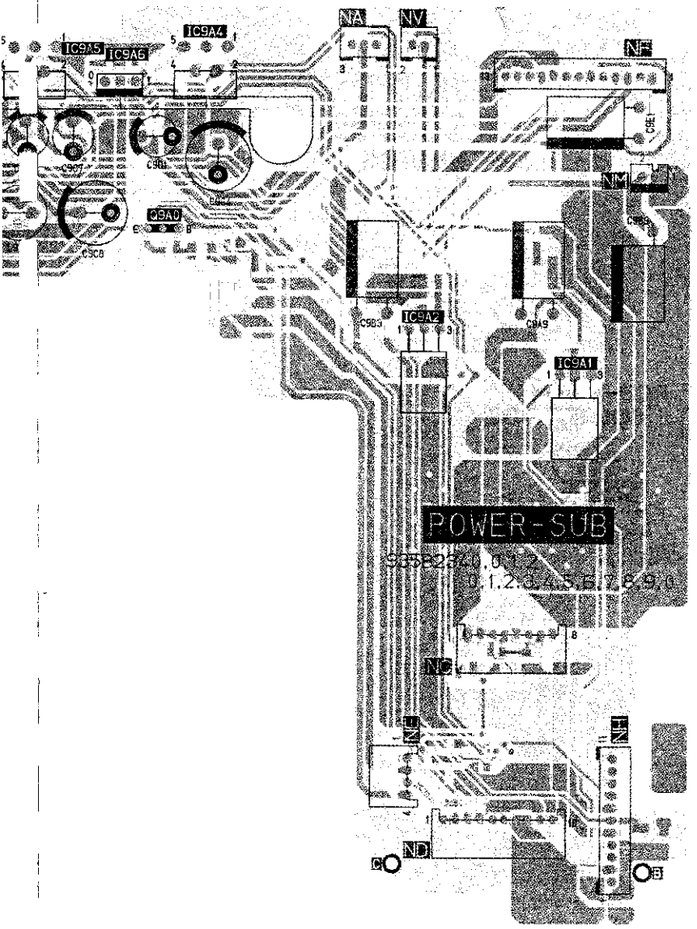


PCB-POWER-SUB (COMPONENT

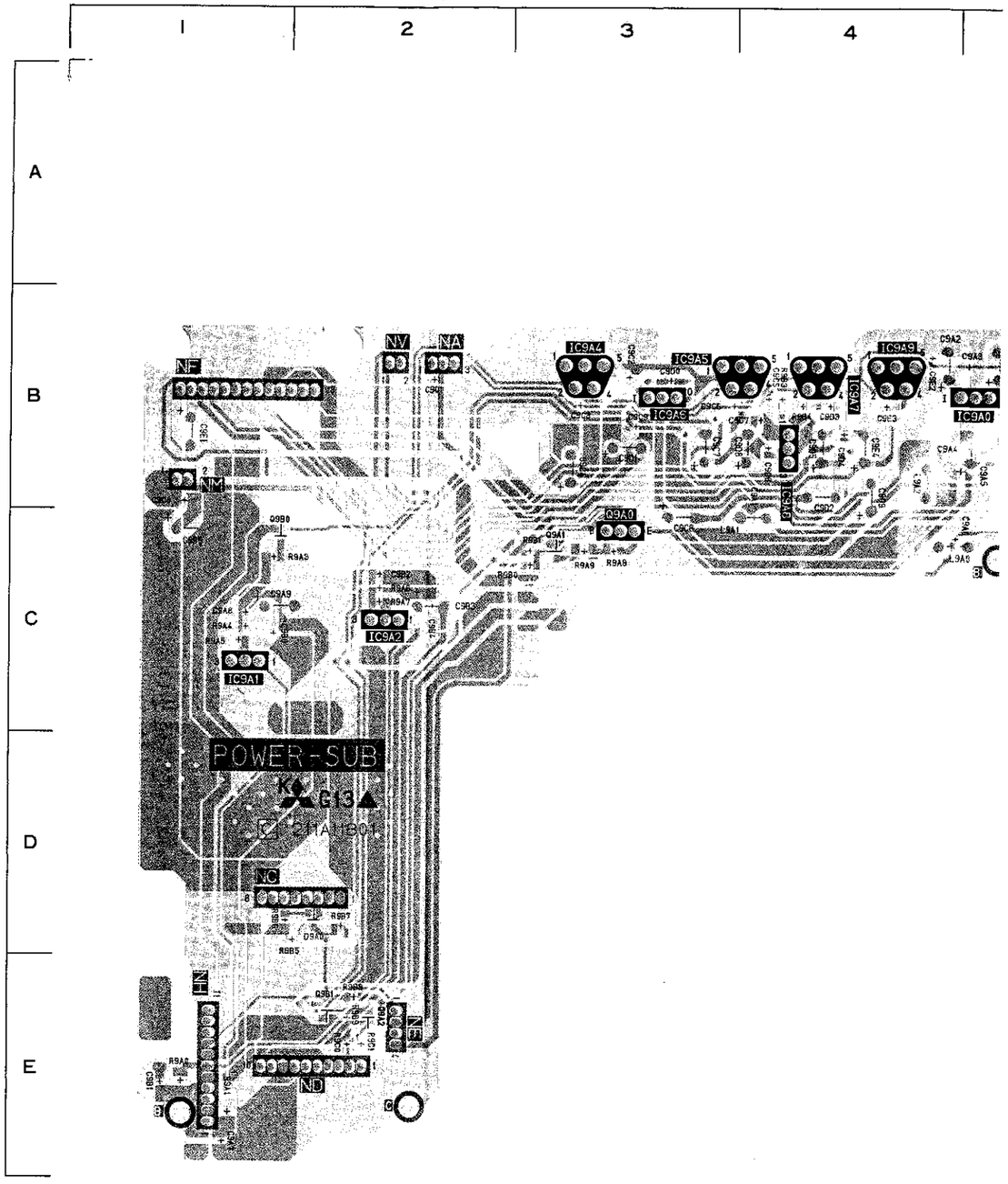
SYMBOL NO.	ADDRESS
B	C-3
B	E-6
C	C-2
C	E-5
C9A2	B-3
C9A5	B-3
C9A6	C-2
C9A9	C-6
C9B3	C-5
C9B7	B-3
C9B8	B-2
C9B9	C-6
C9C4	B-4
C9C7	B-4
C9C8	C-4
C9D1	B-4
C9D2	B-3
C9D5	B-3
C9D8	B-4
C9D9	C-3
C9E1	B-6
C9E4	B-3
IC9A0	B-3
IC9A1	C-6
IC9A2	C-5
IC9A3	B-2
IC9A4	B-4
IC9A5	B-4
IC9A6	B-4
IC9A7	B-3
IC9A8	B-3
IC9A9	B-3
L9A0	C-3
L9A1	C-4
L9A2	B-3
L9A3	C-2
L9A4	B-2
NA	B-5
NB	B-2
NC	D-5
ND	E-5
NE	E-5
NF	B-6
NH	E-6
NM	B-6
NV	B-5
Q9A0	C-4

PCB-POWER-SUB (COMPONENT SIDE)

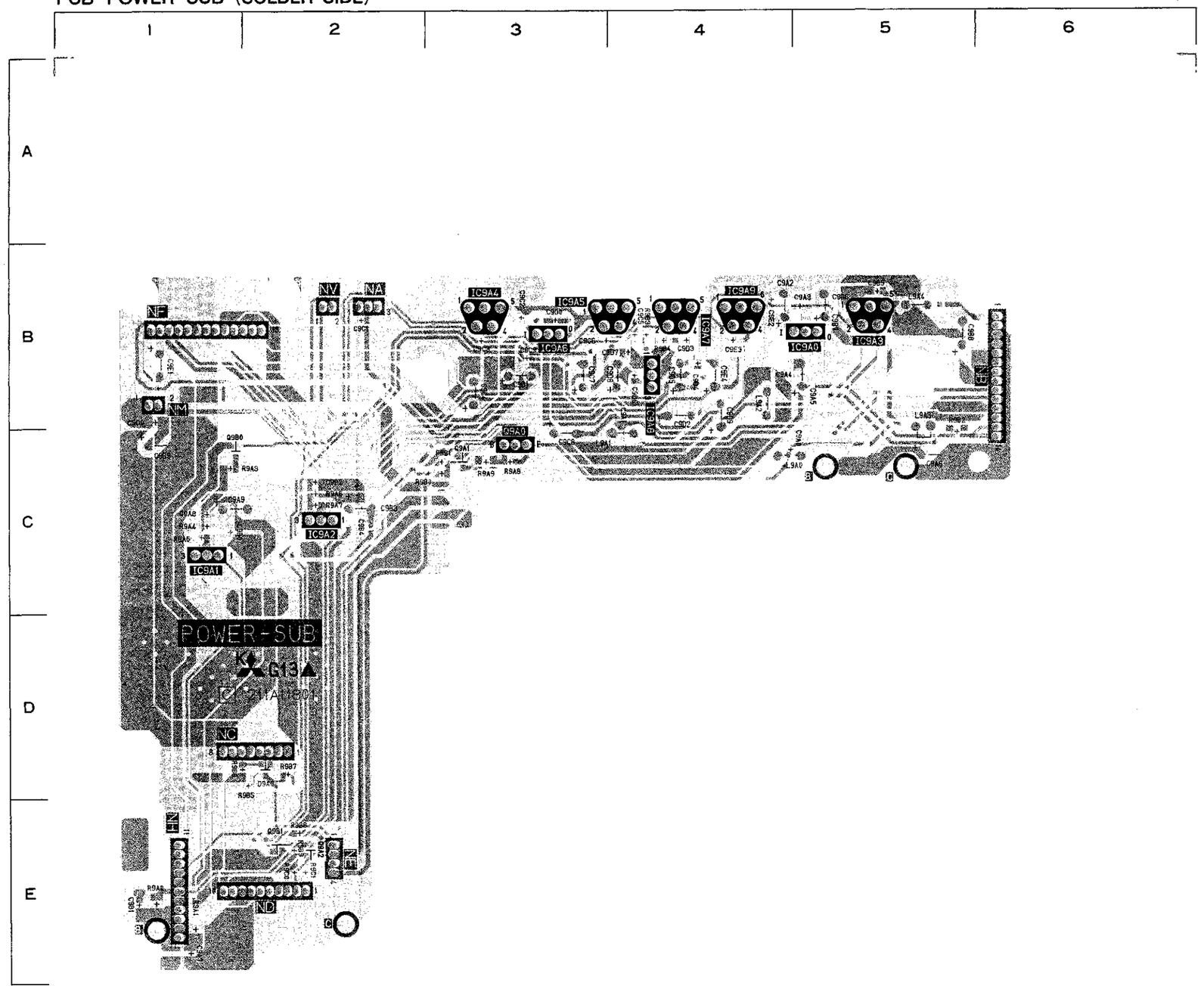
SYMBOL NO.	ADDRESS
B	C-3
B	E-6
C	C-2
C	E-5
C9A2	B-3
C9A5	B-3
C9A6	C-2
C9A9	C-6
C9B3	C-5
C9B7	B-3
C9B8	B-2
C9B9	C-6
C9C4	B-4
C9C7	B-4
C9C8	C-4
C9D1	B-4
C9D2	B-3
C9D5	B-3
C9D8	B-4
C9D9	C-3
C9E1	B-6
C9E4	B-3
IC9A0	B-3
IC9A1	C-6
IC9A2	C-5
IC9A3	B-2
IC9A4	B-4
IC9A5	B-4
IC9A6	B-4
IC9A7	B-3
IC9A8	B-3
IC9A9	B-3
L9A0	C-3
L9A1	C-4
L9A2	B-3
L9A3	C-2
L9A4	B-2
NA	B-5
NB	B-2
NC	D-5
ND	E-5
NE	E-5
NF	B-6
NH	E-6
NM	B-6
NV	B-5
Q9A0	C-4



PCB-POWER-SUB (SOLDER SIDE)



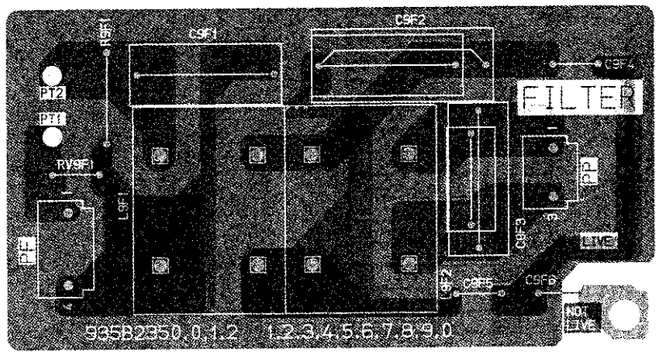
PCB–POWER–SUB (SOLDER SIDE)



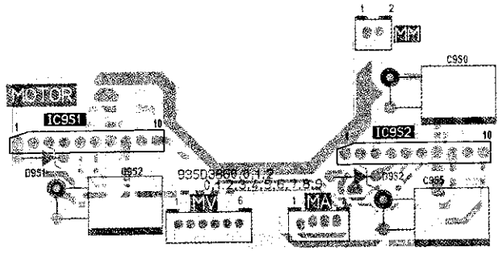
PCB–POWER–SUB (SOLDER SIDE)

SYMBOL NO.	ADDRESS
C9A0	C–5
C9A1	C–4
C9A3	B–5
C9A4	B–5
C9A7	E–1
C9A8	C–1
C9B0	C–1
C9B1	E–1
C9B2	C–2
C9B4	C–2
C9B5	B–5
C9B6	B–5
C9C0	B–1
C9C1	B–2
C9C2	B–3
C9C3	B–3
C9C5	B–4
C9C6	B–4
C9C9	B–3
C9D0	B–3
C9D3	B–4
C9D4	B–4
C9D6	B–4
C9D7	B–4
C9E2	B–4
C9E3	B–4
D9A0	D–2
Q9A1	C–3
Q9A2	E–2
Q9B0	C–1
Q9B1	E–2
R9A0	E–1
R9A1	E–1
R9A3	C–1
R9A4	C–1
R9A5	C–1
R9A6	C–2
R9A7	C–2
R9A8	C–3
R9A9	C–3
R9B0	C–3
R9B1	C–3
R9B2	C–5
R9B3	B–4
R9B4	B–4
R9B5	D–2
R9B6	D–2
R9B7	D–2
R9B8	E–2
R9B9	E–2
R9C0	E–2
R9C1	E–2

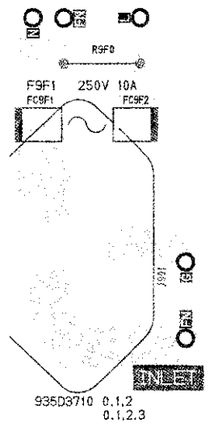
PCB-FILTER (COMPONENT SIDE)



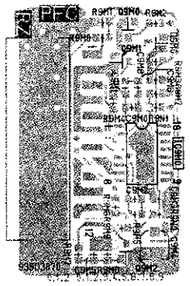
PCB-MOTOR (COMPONENT SIDE)



PCB-INLET (COMPONENT SIDE)

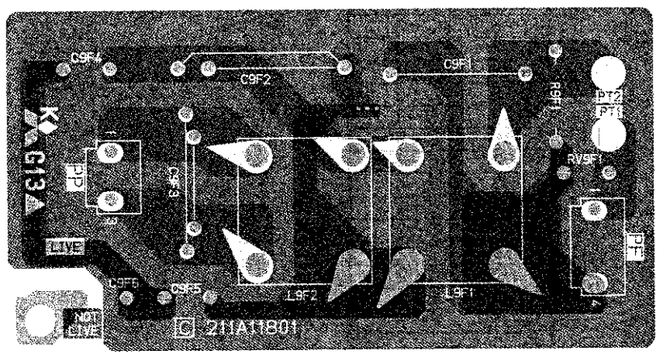


PCB-PFC (COMPONENT SIDE)

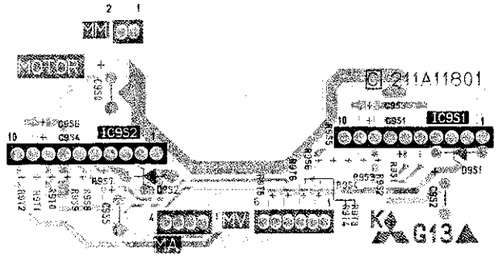


PCB-F (COM

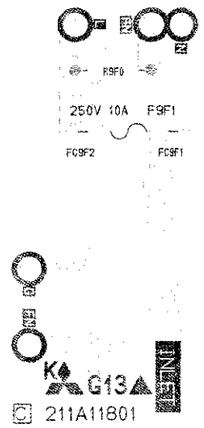
PCB-FILTER (SOLDER SIDE)



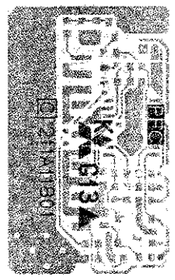
PCB-MOTOR (SOLDER SIDE)



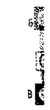
PCB-INLET (SOLDER SIDE)



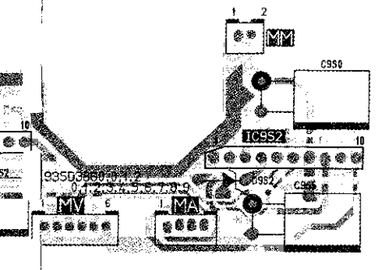
PCB-PFC (SOLDER SIDE)



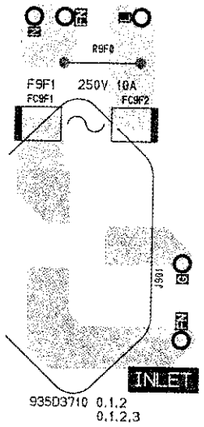
PCB (SC



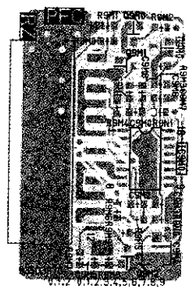
OF (COMPONENT SIDE)



PCB-INLET
(COMPONENT SIDE)



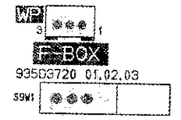
PCB-PFC
(COMPONENT SIDE)



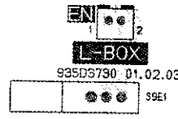
PCB-POWER-SUB2
(COMPONENT SIDE)

PCB-POWER-SUB3
(COMPONENT SIDE)

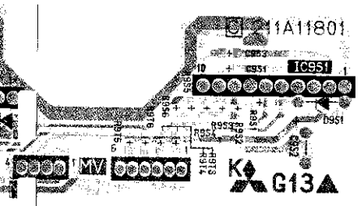
PCB-F BOX
(COMPONENT SIDE)



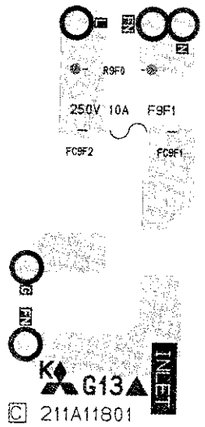
PCB-L BOX
(COMPONENT S



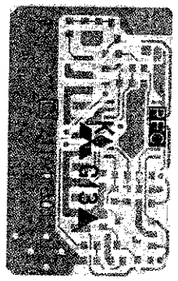
OF (SOLDER SIDE)



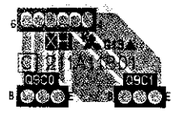
PCB-INLET
(SOLDER SIDE)



PCB-PFC
(SOLDER SIDE)



PCB-POWER-SUB2
(SOLDER SIDE)



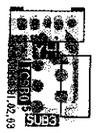
PCB-POWER-SUB3
(SOLDER SIDE)

PCB-F BOX
(SOLDER SIDE)

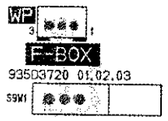
PCB-L BOX
(SOLDER SIDI

B2
ID

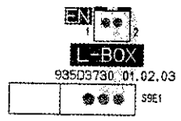
PCB-POWER-SUB3
(COMPONENT SIDE)



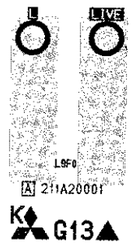
PCB-F BOX
(COMPONENT SIDE)



PCB-L BOX
(COMPONENT SIDE)



PCB-COIL



UB2

PCB-POWER-SUB3
(SOLDER SIDE)

PCB-F BOX
(SOLDER SIDE)

PCB-L BOX
(SOLDER SIDE)