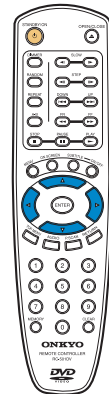
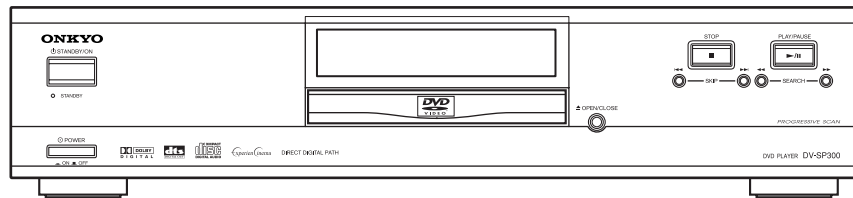


# ONKYO SERVICE MANUAL

Schematic diagram & Printed circuit board view only

## DVD PLAYER




RC-501DV

### Black model

BUDD1N	120V AC, 60Hz
BUUS4P	110-240V AC, 50/60 Hz

### SAFETY-RELATED COMPONENT WARNING!!

THE MARK  FOUND ON SOME COMPONENT PARTS INDICATES THE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK.

WHEN REPLACING, BE SURE TO USE PARTS OF IDENTICAL DESIGNATION.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

## SPECIFICATIONS

### DVD Player

Power supply	AC 120V, 60 Hz (North America models) AC 110-240V, 50/60 Hz (Other models)
Power consumption	16 W
Weight	8.2 lbs
External dimensions	17 1/8" x 3 7/8" x 12 11/16" (W/H/D)
Signal system	NTSC (North America models) PAL/NTSC (Other models)
Regional restriction code (region number)	Region 1 (North America) Region 4 (Central and South America and Australia)
Frequency range (digital audio) (DVD linear sound)	48 kHz sampling 4 Hz to 22 kHz 96 kHz sampling 4 Hz to 44 kHz
Signal-to-noise ratio (digital audio)	More than 90 dB
Audio dynamic range (digital audio)	More than 95 dB
Harmonic distortion (digital audio)	Less than 0.005 %
Wow and flutter	Below measurable level
Operating conditions	Temperature: 5°C to 35°C (41°F to 95°F) Operation status: Horizontal

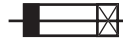
### Outputs

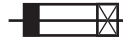
Video output	1.0 V (p-p), 75 ohm, negative sync ., pin jack x 1
S-video output	(Y) 1.0 V (p-p), 75 ohm, negative sync., Mini DIN 4-pin1 (C) 0.286V (p-p), 75 ohm
Component video output	(Y) 1.0 V (p-p), 75 ohm, negative sync., pin jack x 1 (PB)/(PR) 0.7V (p-p), 75 ohm pin jack x 2
Audio output (digital output Optical)	Optical connector x 1
Audio output (digital output Coaxial)	0.5 V(p-p),75 ohm, pin jack x 1
Audio output (2-Channel Audio)	2.0 V (rms),320 ohm, pin jack (L, R) x 1



Specifications and features are subject to change without notice.

# SERVICE PROCEDURE-1

## REPLACING THE FUSES

 This symbol located near the fuse indicates that the fuse used is show operating type, For continued protection against fire hazard, replace with same type fuse , For fuse rating, refer to the marking adjust to the symbol.

 Ce symbole indique que le fusible utilise est e lent. Pour une protection permanente, n'utiliser que des fusibles de meme type. Ce demier est indique la qu le present symbol est apposse.

REF.NO.	PART NO.	DESCRIPTION
F1	252252 or 	1.6A-T/UL-ST2 or
	252147 	1.6A-TSC Fuse

## SAFETY CHECK

(Only U.S.A. model)

After correcting the original service problem perform the following safety check before releasing the set to the customer Connect the insulating-resistance tester between the plug of power supply cord and terminal GND on the back panel.

Specifications: More than 10M ohm at 500V



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.

## LASER CAUTION

CAUTION	ATTENTION
LASER RADIATION WHEN COVER IS REMOVED. DO NOT STARE INTO BEAM.	RAYONS LASER QUAND LE COUVERCLE EST RETIRE. NE PAS FIXER LE RAYON LASER.

This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT". So, to use this model properly read this Instruction Manual carefully. In case of any trouble, please contact the store where you purchased the unit. To prevent being exposed to the laser beam, do not try to open the enclosure.

### CAUTION:

VISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. DO NOT STARE INTO BEAM.

### CAUTION:

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

The label on the right is applied on the rear panel except for USA and Canadian models.

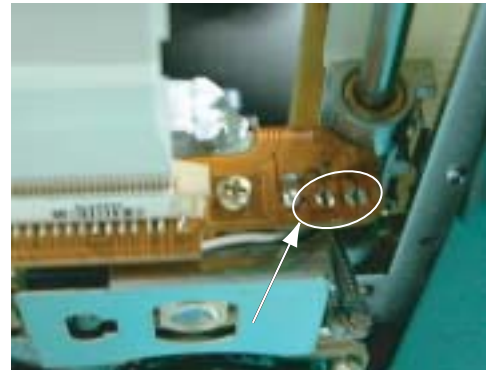
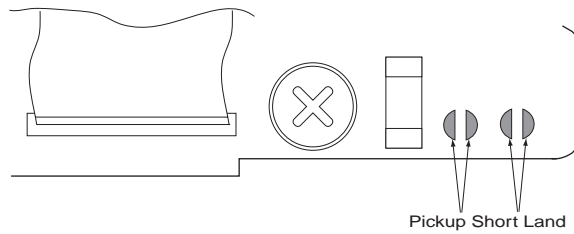
**"CLASS 1 LASER PRODUCT"**

1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent the laser from being exposed, do not remove the cover. Refer servicing to qualified personnel.

## SERVICE PROCEDURE-2

### 1. Remove the solder of Laser Diode shorting

- 1-1 Connect Pickup and DVD main circuit PC board by FFC(CP21 and B04).
- 1-2 Fix it with the DVD Mecha
- 1-3 Remove the solder of Laser Diode shorting on Pickup.

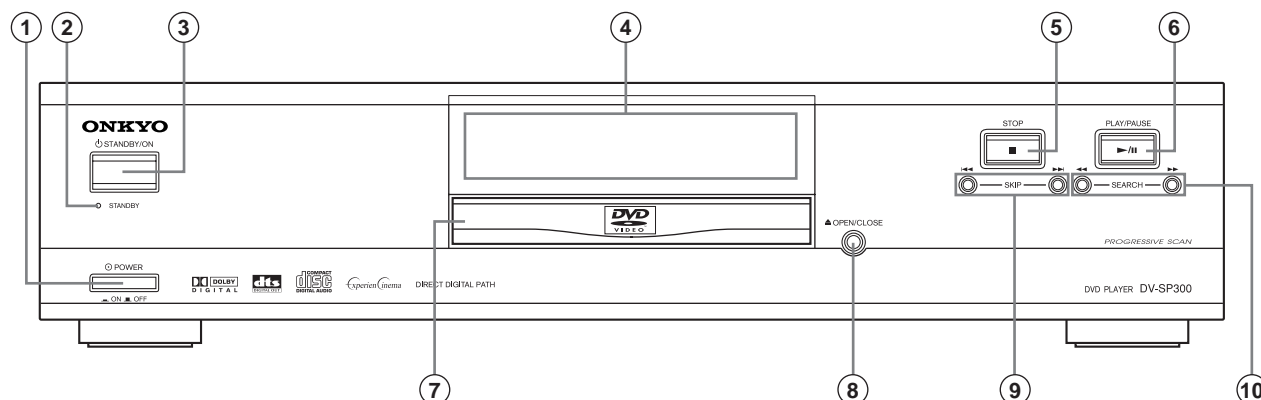


### 2. Factory setting (Initial setting)

- 2-1 Push the power switch "ON" (Mechanical switch)
- 2-2 Press the [STOP] and [STANDBY ON] keys at same time, and  
it waits until the display of FL tube will be the display of "No Disc" from "Loading".

## PANEL VIEW-1

## FRONT PANEL

① **POWER button**

Turns on the main power supply

② **STANDBY indicator**

Lights in the standby mode.

③ **STANDBY/ON button**

Toggle for standby on and off

④ **Display**⑤ **STOP button**

Stops playing a disc. When disc is playing, if you press ■ and ►, the disc will start resume play. When ■ is pressed again during stop mode, the resume function is canceled.

⑥ **PLAY/PAUSE ►/|| button**

Begins to play disc (close disc tray first if it is open.)

Temporarily stops playback when a disc is playing. Press this button again for normal playback.

⑦ **Disc tray**⑧ **▲ OPEN/CLOSE button**

Press to open or close the disc tray.

⑨ **SKIP ◀◀/▶▶ buttons**

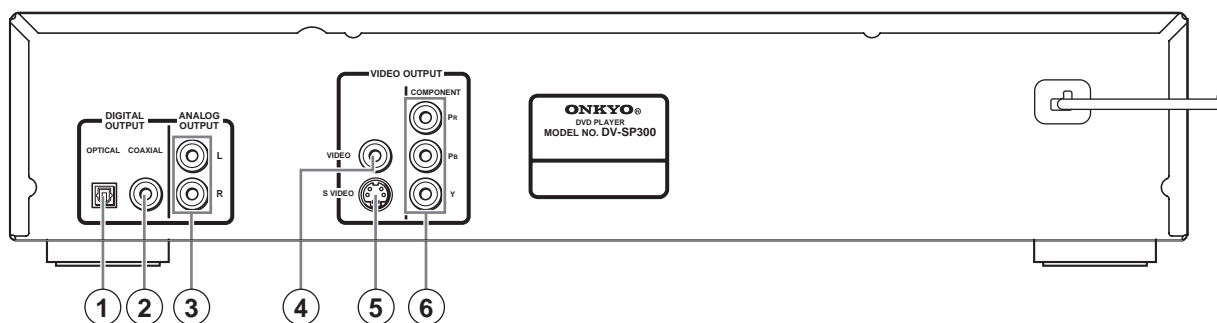
Allow you to move to the previous chapter or track / the next chapter or track on a disc.

⑩ **SEARCH ◀◀/▶▶ buttons**

Allow you to search in reverse through a disc while it is in play mode. Each time you press this button, search speed changes.

## PANEL VIEW-2

## REAR PANEL



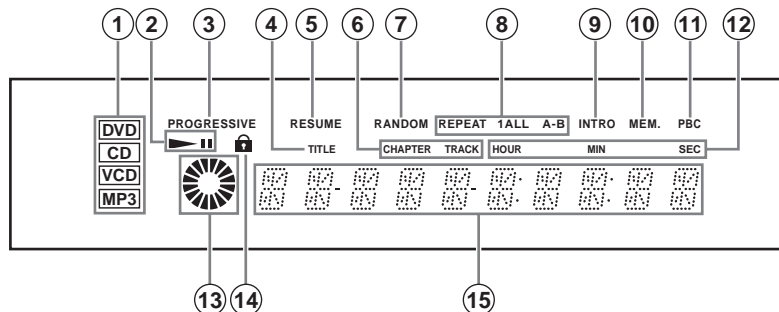
- 1 DIGITAL OUTPUT OPTICAL jack**  
Use optical cable to connect your DVD Player to an AV component that features digital input capability. If the component has a Dolby Digital or DTS decoder, you can enjoy theater-quality multichannel sound.
- 2 DIGITAL OUTPUT COAXIAL jack**  
Use coaxial cable to connect your DVD Player to an AV component that features digital input capability. If the component has a Dobby Digital or DTS decoder, you can enjoy theater-quality multichannel sound.
- 3 ANALOG OUTPUT jacks**  
Insert audio cables (left and rights) to these jacks on your DVD Player and to the corresponding Audio Input jacks (left and right) on your TV or receiver.
- 4 VIDEO OUTPUT VIDEO jack**  
Connect a video cable to this jack and to the Video Input jack on your TV.
- 5 VIDEO OUTPUT S VIDEO jack**  
If your TV has a S-Video jack, you can connect an S-Video cable to your TV and to your DVD Player for improved video quality. The S-Video cable only carries the video signal; remember to connect the left and right audio cables.
- 6 VIDEO OUTPUT COMPONENT (Pr/Pb/Y) jacks**  
If your TV has component inputs, you can connect a component video cable to your TV and to your DVD Player for ideal video quality. The component video cable only carries the video signal; remember to connect the left and right audio cables. If you connect a TV that is compatible with a Progressive scan signal, you can enjoy both Interlaced and Progressive scan.

**Note**

Progressive scan only works with NTSC format discs.

# PANEL VIEW-3

## DISPLAY



- ① **Inserted disc indicators**  
Indicate the type of current disc that is loaded.
- ② **Play/Pause indicators**  
Illuminate in play or pause mode.
- ③ **PROGRESSIVE indicator**  
Illuminates when the DVD player is set to progressive mode.
- ④ **TITLE indicator**  
Illuminates to indicate the current title number.
- ⑤ **RESUME indicator**  
Illuminate when the player is ready for resume playback.
- ⑥ **CHAPTER/TRACK indicators**  
Indicate display mode of the current chapter of DVD disc or track number of Video CD or CD.
- ⑦ **RANDOM indicator**  
Illuminates during random playback.
- ⑧ **REPEAT indicators**  
Illuminate during repeat playback.
- ⑨ **INTRO indicator**  
Illuminates during intro-scan playback.
- ⑩ **MEM. indicator**  
Illuminates during memory playback.
- ⑪ **PBC indicator**  
Illuminates when PBC is on for Video CD.
- ⑫ **Time indicator**  
Indicate playing time.
- ⑬ **Playback status indicator**  
Illuminates (rotating) when the disc plays.
- ⑭ **Parental Lock indicator**  
Illuminates in parental lock mode.
- ⑮ **Multifunction indicator**  
Indicates operating status, messages, etc.

### Display Examples

During DVD-Video playback:



Playing chapter 3 of title 2 Elapsed time of the current chapter

#### Notes

Some discs may not display chapter numbers.  
A time indication not accompanied with a chapter number shows elapsed time of a segment within the current time

During Video CD playback:

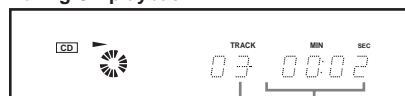


Playing track 3 Elapsed time of the current track

#### Note

Some discs may not display track numbers or elapsed time.

During CD playback:



Playing track 3 Elapsed time of the current track

During MP3 playback:



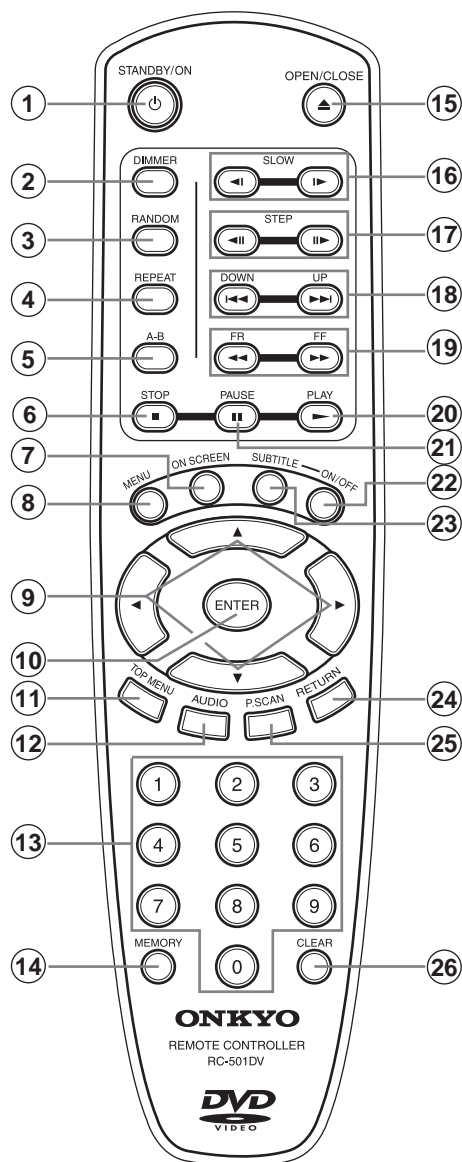
Playing track 105 of folder 6 Elapsed time of the current track

#### Notes

If the track is within a folder, the folder number is displayed. For tracks outside a folder, no folder number is displayed.  
Track number is consecutive.

## PANEL VIEW-4

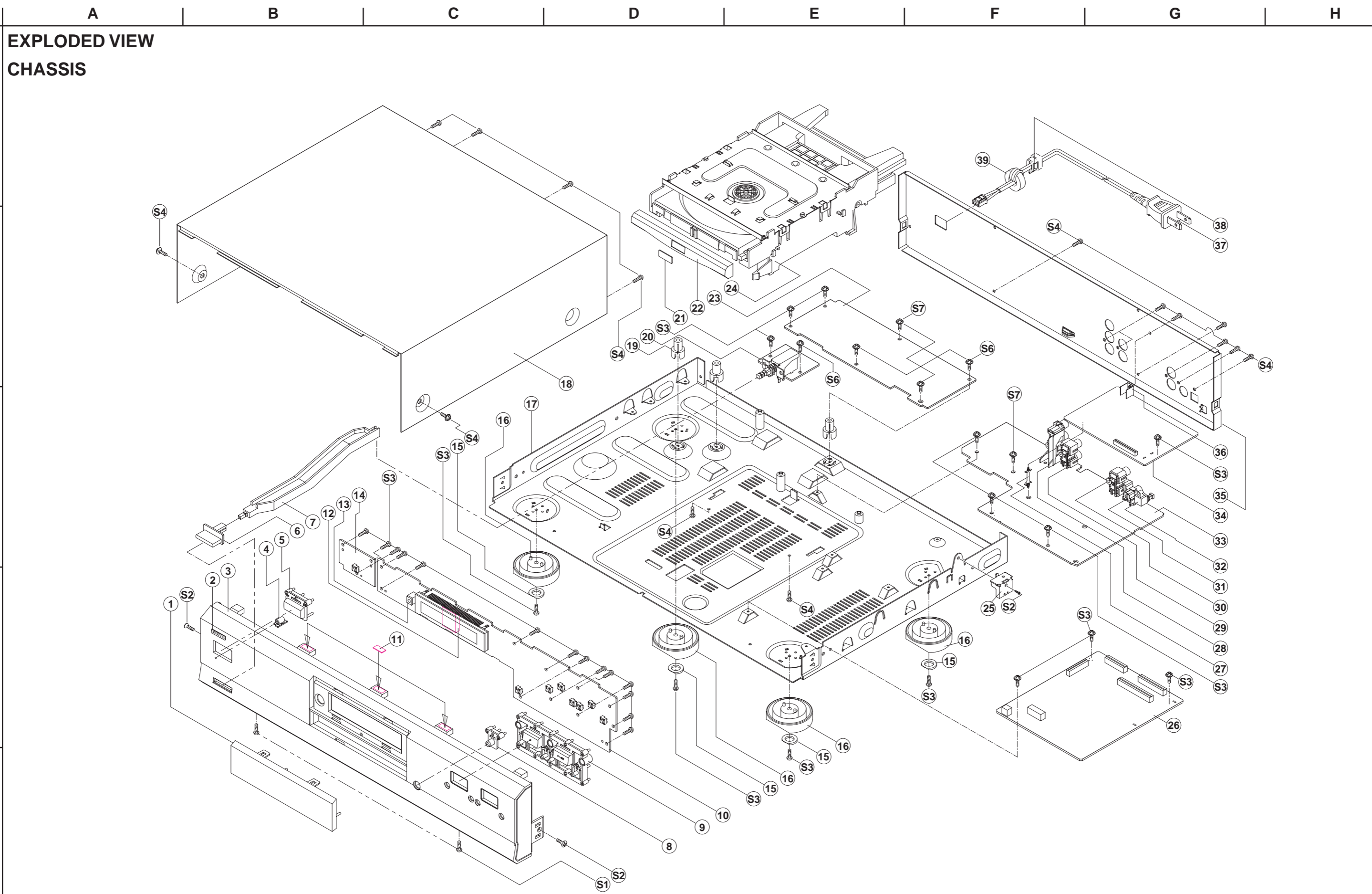
## REMOTE CONTROLLER



- ① **STANDBY/ON button**  
Toggle for standby on and off.
- ② **DIMMER button**  
Toggle to control the lightness of the display (3 steps).
- ③ **RANDOM button**  
Press to do random playback.
- ④ **REPEAT button**  
Press to go to the Repeat menu. You can repeat a title, chapter, track or one or entire discs.
- ⑤ **A-B button**  
Press to play section A-B repeatedly.
- ⑥ **STOP button**  
Stops playing a disc. When a disc is playing, if you press **■** and **▶**, the disc will start resume play. When **■** is pressed again during stop mode, the resume function is canceled.

- ⑦ **ON SCREEN button**  
Press this button while you're playing a disc to see Banner Display on the screen. The Banner Display contains various playback features and gives you the information about the disc you're playing.
- ⑧ **MENU button**  
Displays the DVD Disc Menu on the TV screen in play mode and Setup Menu in stop mode.
- ⑨ **Cursor buttons (▲/▼/◀/▶)**  
Use the cursor buttons to select the items or settings.
- ⑩ **ENTER button**  
Press this button to select and execute a highlighted menu item.
- ⑪ **TOP MENU button**  
Press to call up the top menu programmed on the DVD. Depending on the DVD, the top menu may be identical to DVD menu or title menu. When playing a Video CD equipped with PBC function, DVD Player will automatically enter the PBC on mode. Press once to turn PBC off and press again to turn on.
- ⑫ **AUDIO button**  
Press to select various audio languages on a disc. When playing a Video CD, press to select the audio channel.
- ⑬ **Number buttons (0-9)**  
Select numbers by pressing these buttons.
- ⑭ **MEMORY button**  
Press to see Memory Edit Display on the screen in stop mode.
- ⑮ **▲ OPEN/CLOSE button**  
Press to open or close the disc tray.
- ⑯ **SLOW ◀/▶ buttons**  
Allow you to play movies in slow mode. Each time you press this button, slow speed will be changed. In the case of Video CD, reverse SLOW cannot be activated.
- ⑰ **STEP ◀/▶ buttons**  
Freeze a picture when a disc is playing. Also the picture advances frame by frame each time to press these buttons. In case of Video CD, reverse STEP can not be activated.
- ⑱ **DOWN ◀◀ / UP ▶▶ buttons**  
Allow you to move to the previous chapter or track / the next chapter or track on a disc.
- ⑲ **FR ◀◀ / FF ▶▶ buttons**  
Allow you to search in reverse or forward through a disc while it is in play mode. Each time you press these buttons, search speed changes.
- ⑳ **PLAY ▶ button**  
Begins to play disc (close disc tray first if it is open.)
- ㉑ **PAUSE || button**  
Temporarily stops playback when a disc is playing. Press PLAY ▶ button for normal playback.
- ㉒ **SUBTITLE ON/OFF button**  
Turns the subtitles on and off when playing a DVD.
- ㉓ **SUBTITLE button**  
Press to select various subtitle language on a disc.
- ㉔ **RETURN button**  
When you're using the DVD Player's menu system, press this button to return to the preceding menu screen.
- ㉕ **PROGRESSIVE SCAN button**  
Press to display Progressive or Interlaced Icon on TV. Press again while displayed to switch between Progressive and Interlaced.
- ㉖ **CLEAR button**  
Press to clear entered values and settings. Also Banner menu and OSD menu is removed from the screen when this button is pressed.



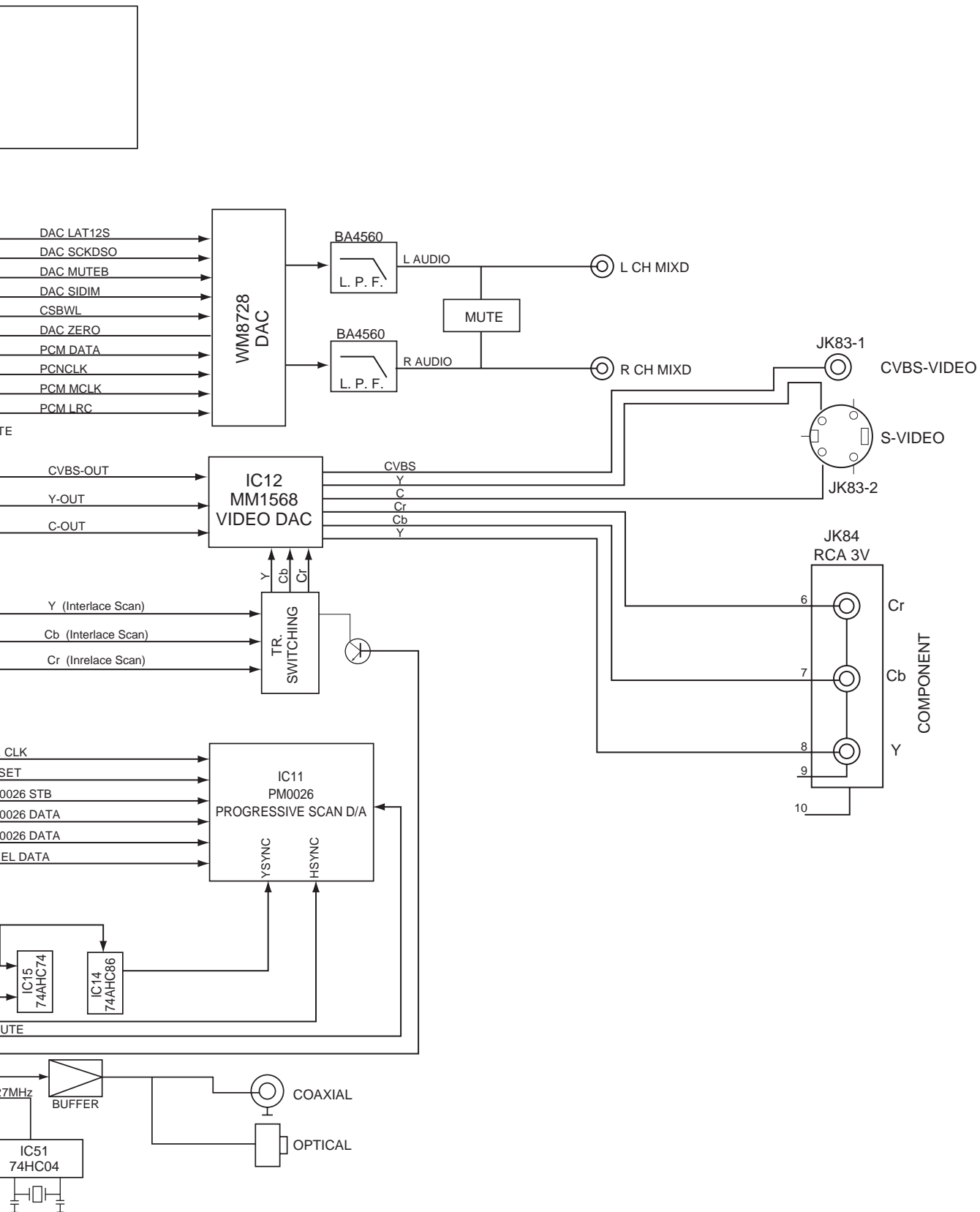


E

F

G

H



**A**                      **B**                      **C**                      **D**

**BLOCK DIAGRAM**

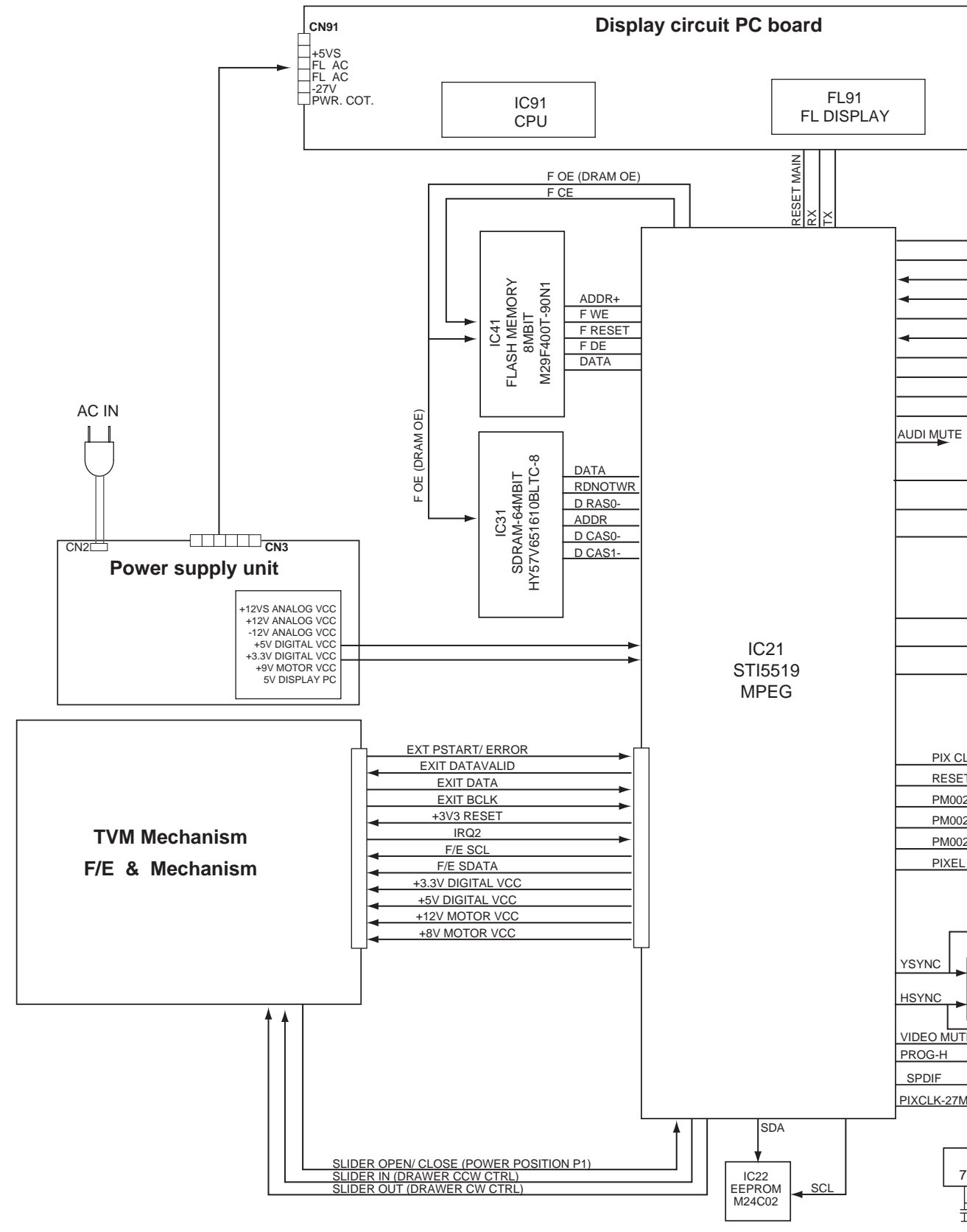
1

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3

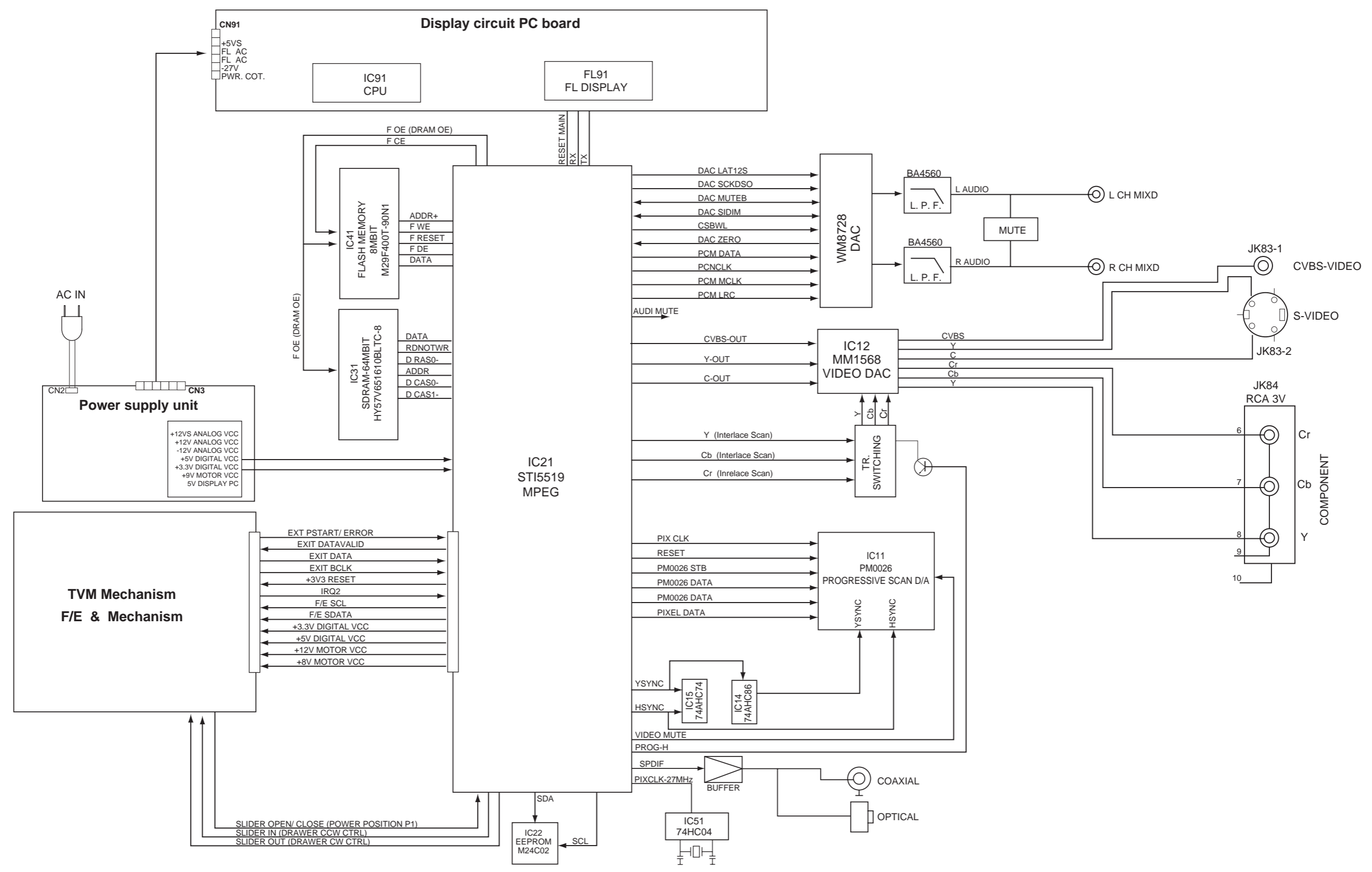
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5



BLOCK DIAGRAM

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# SCHEMATIC DIAGRAM

## MAIN CIRCUIT PC BOARD

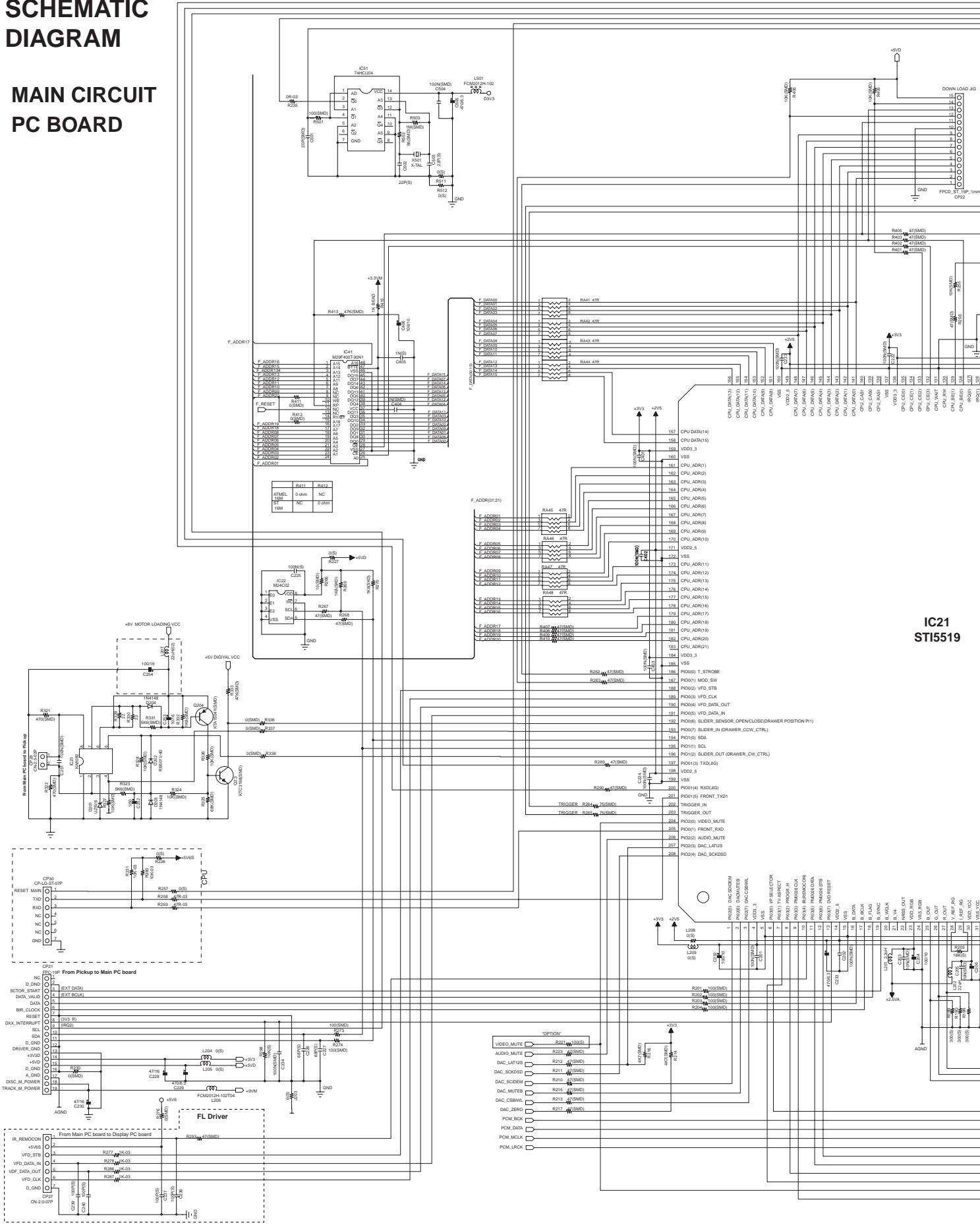
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IC21  
ST15519

SCHEMATIC DIAGRAM

1 MAIN CIRCUIT  
PC BOARD

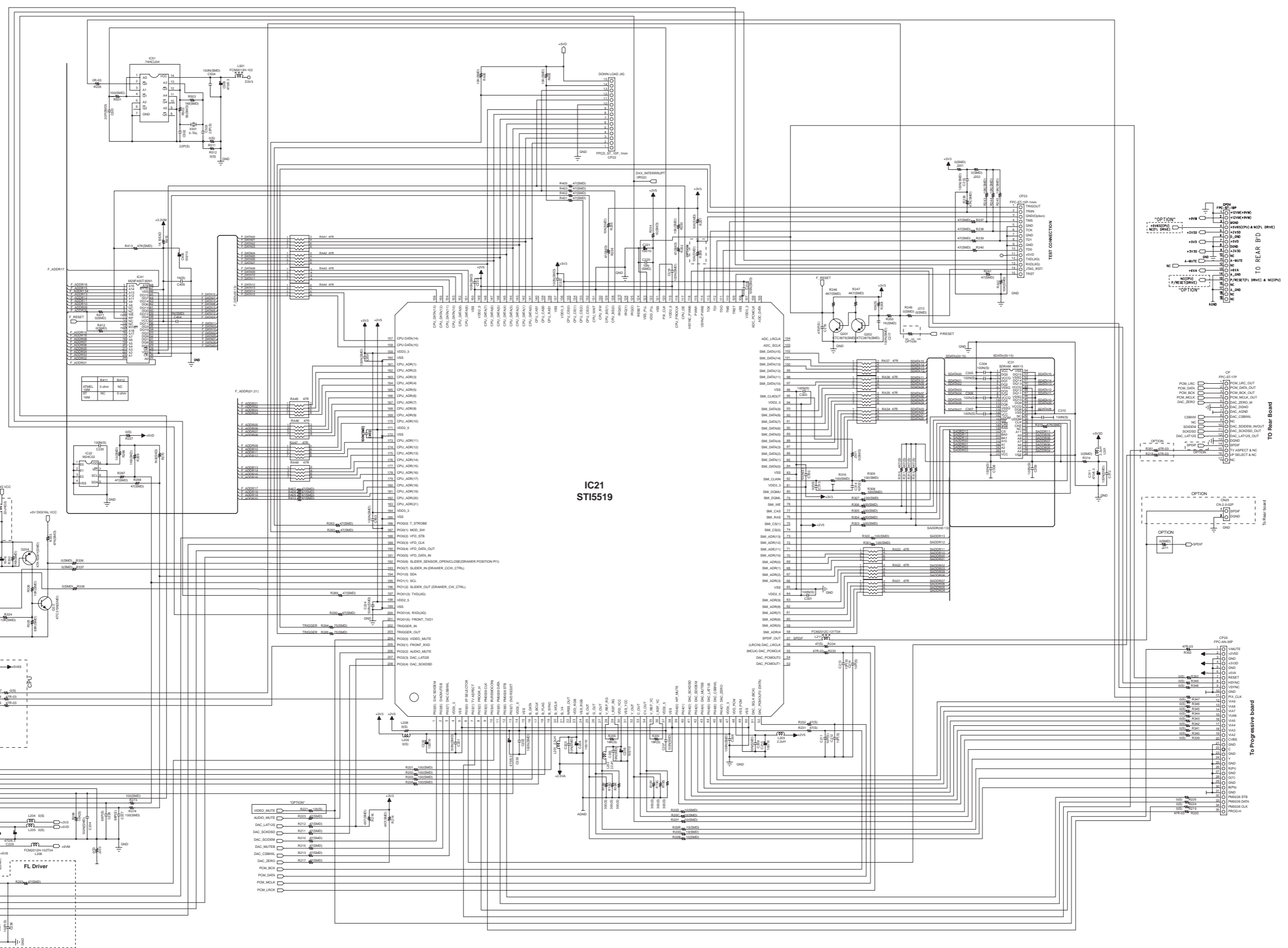
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2

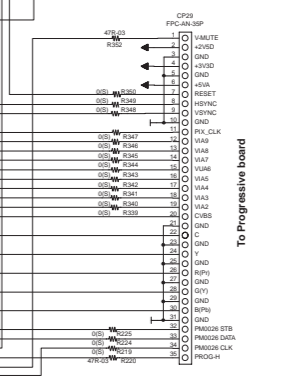
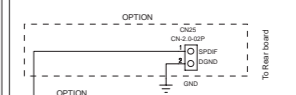
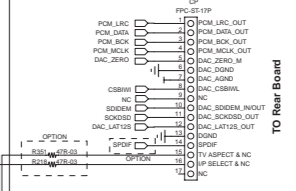
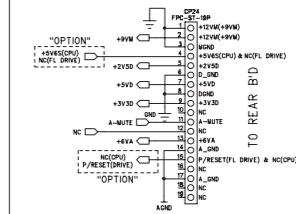
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IC21  
ST15519

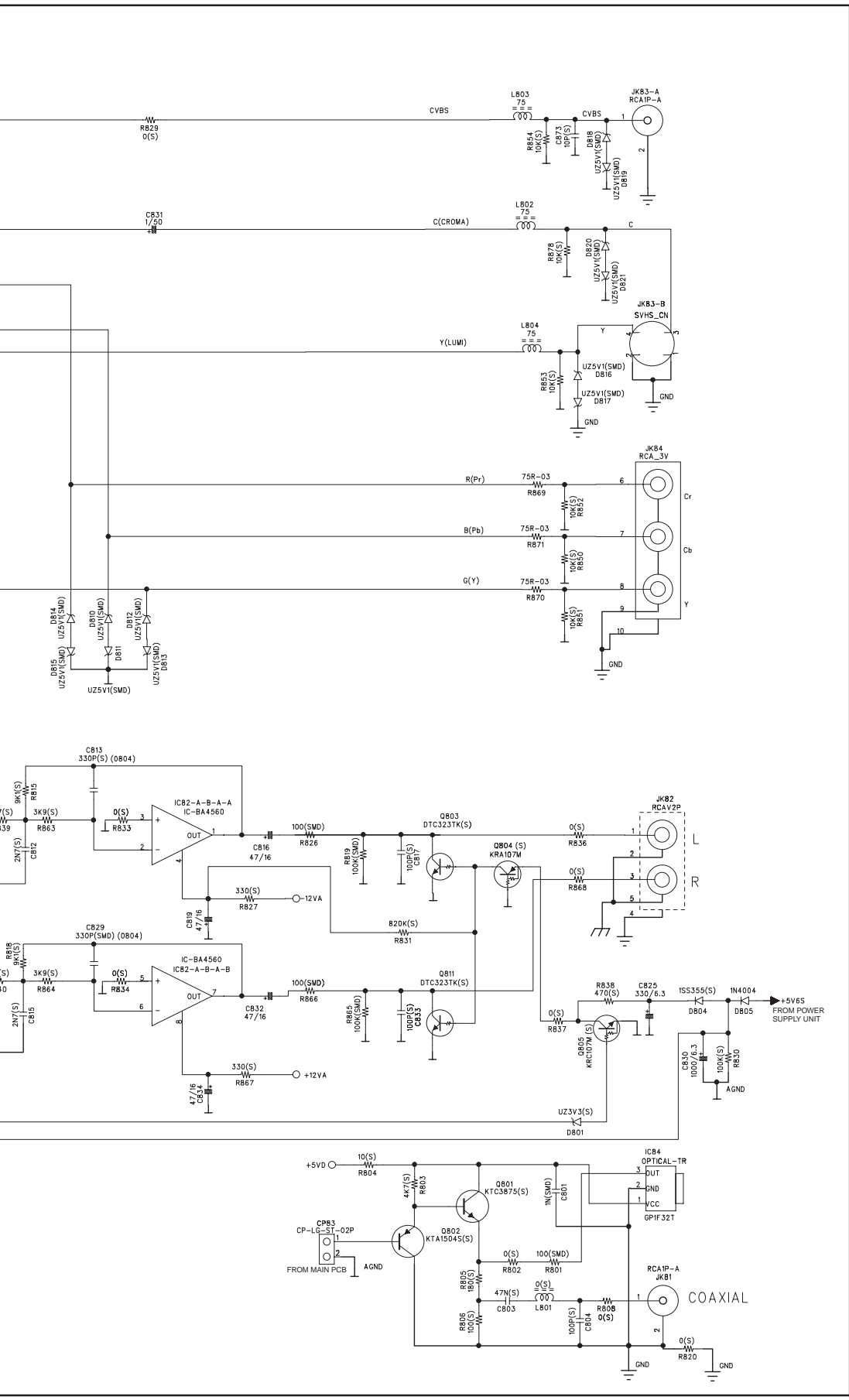


To Rear board

To Rear board

To Progressive board

LY UNIT





# SCHEMATIC DIAGRAM OUTPUT TERMINAL PC BOARD

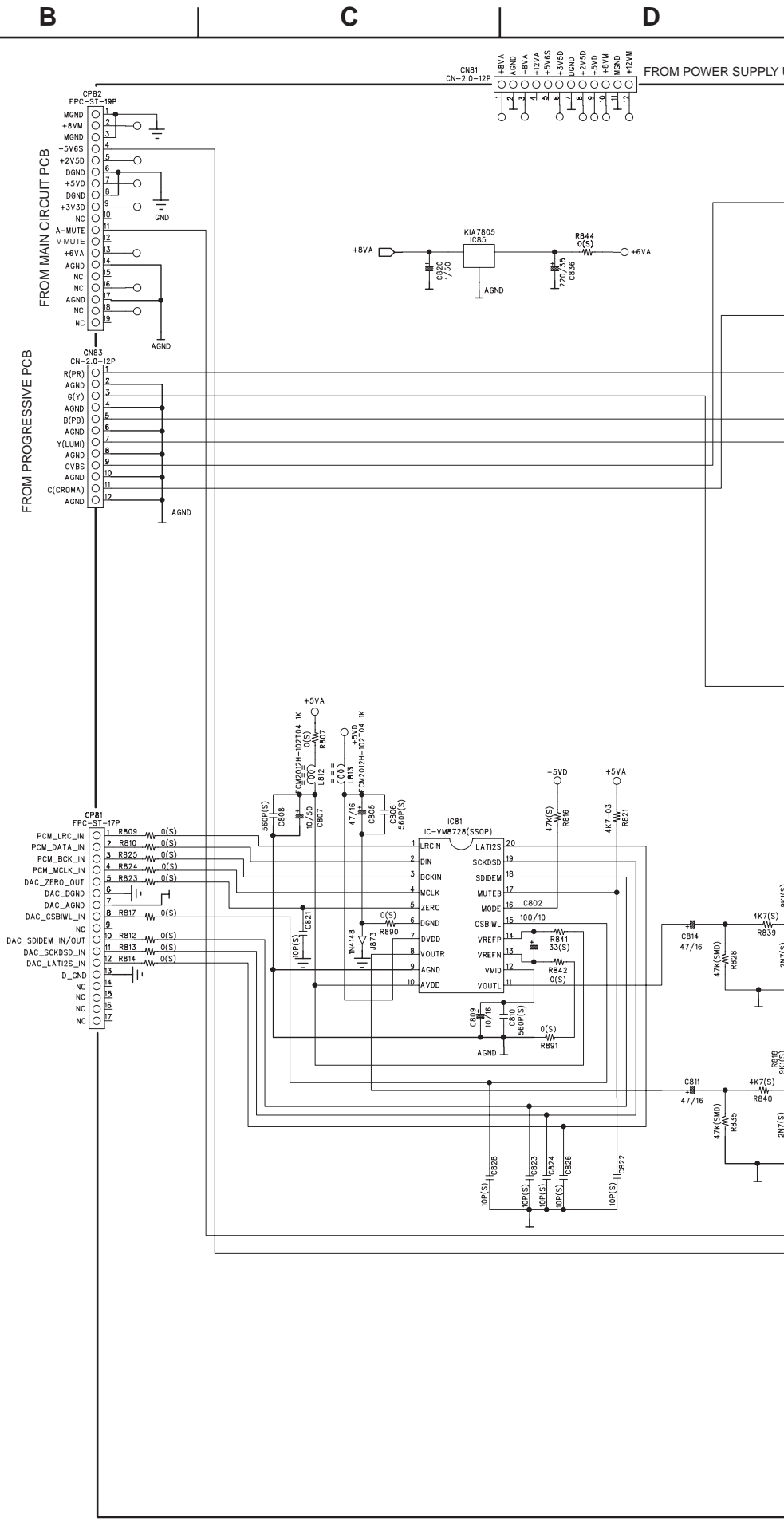
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# SCHEMATIC DIAGRAM OUTPUT TERMINAL PC BOARD

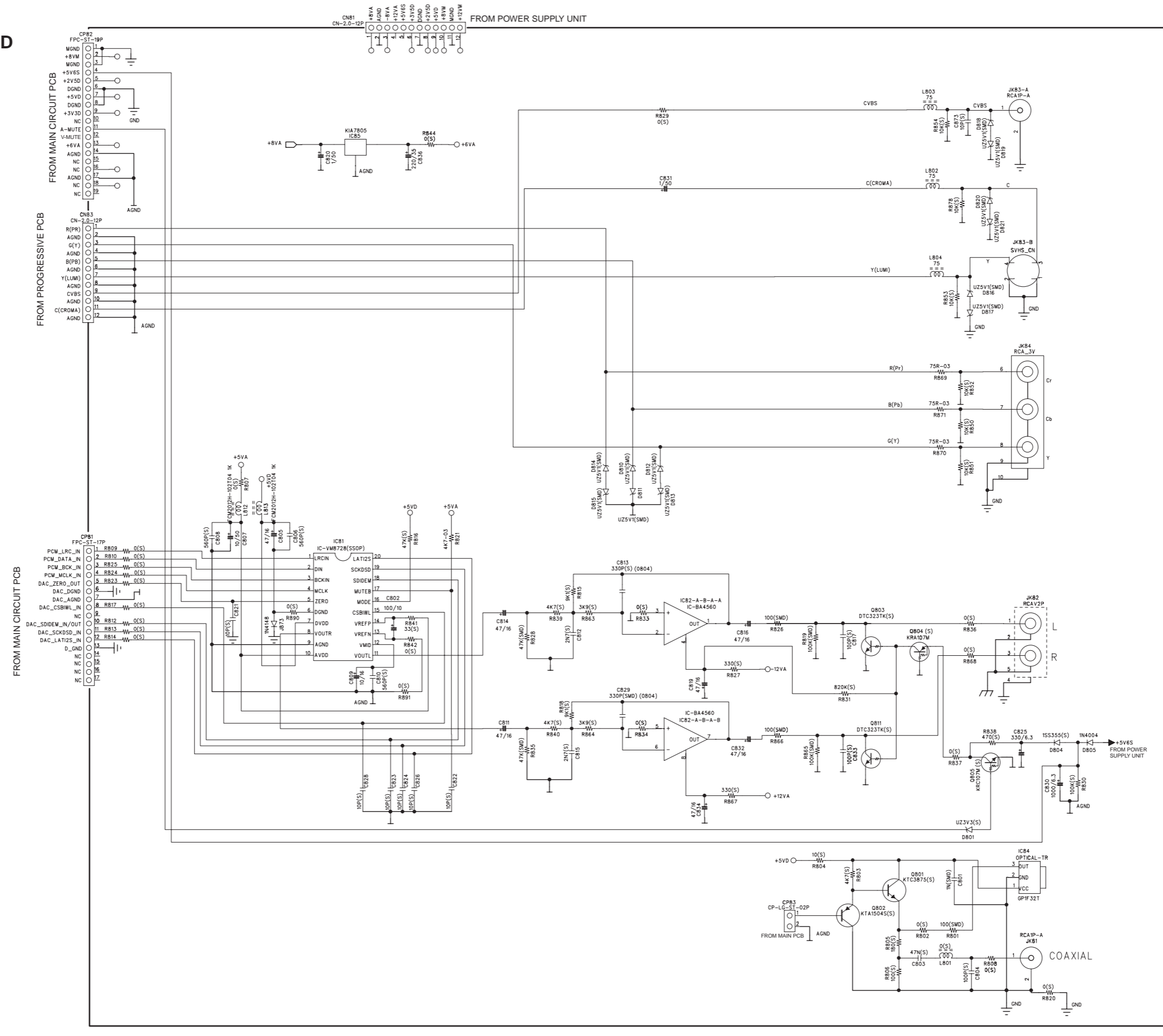
1

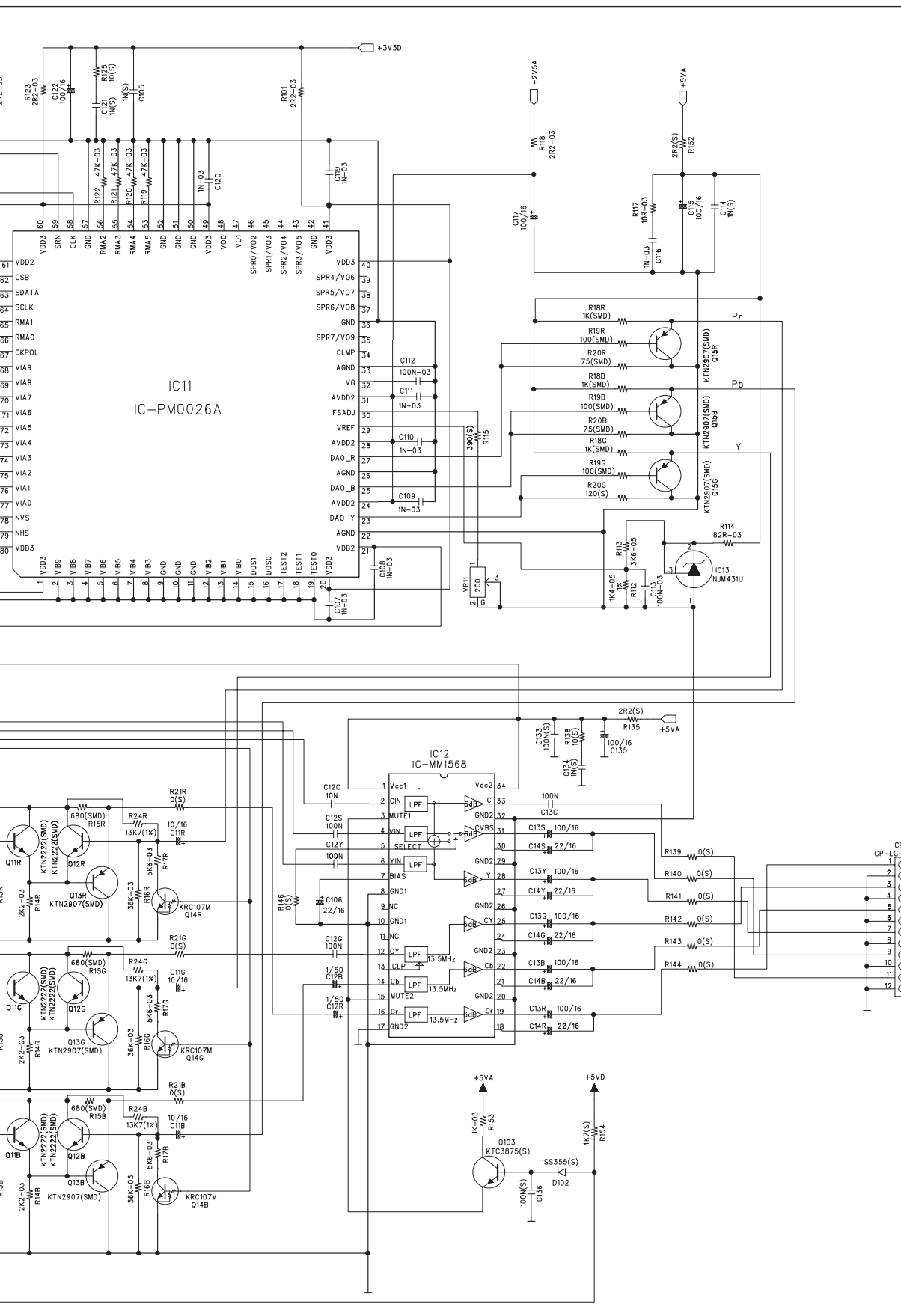
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To Output PC board

A

B

C

D

# SCHEMATIC DIAGRAM

## PROGRESSIVE SCAN CIRCUIT

1

2

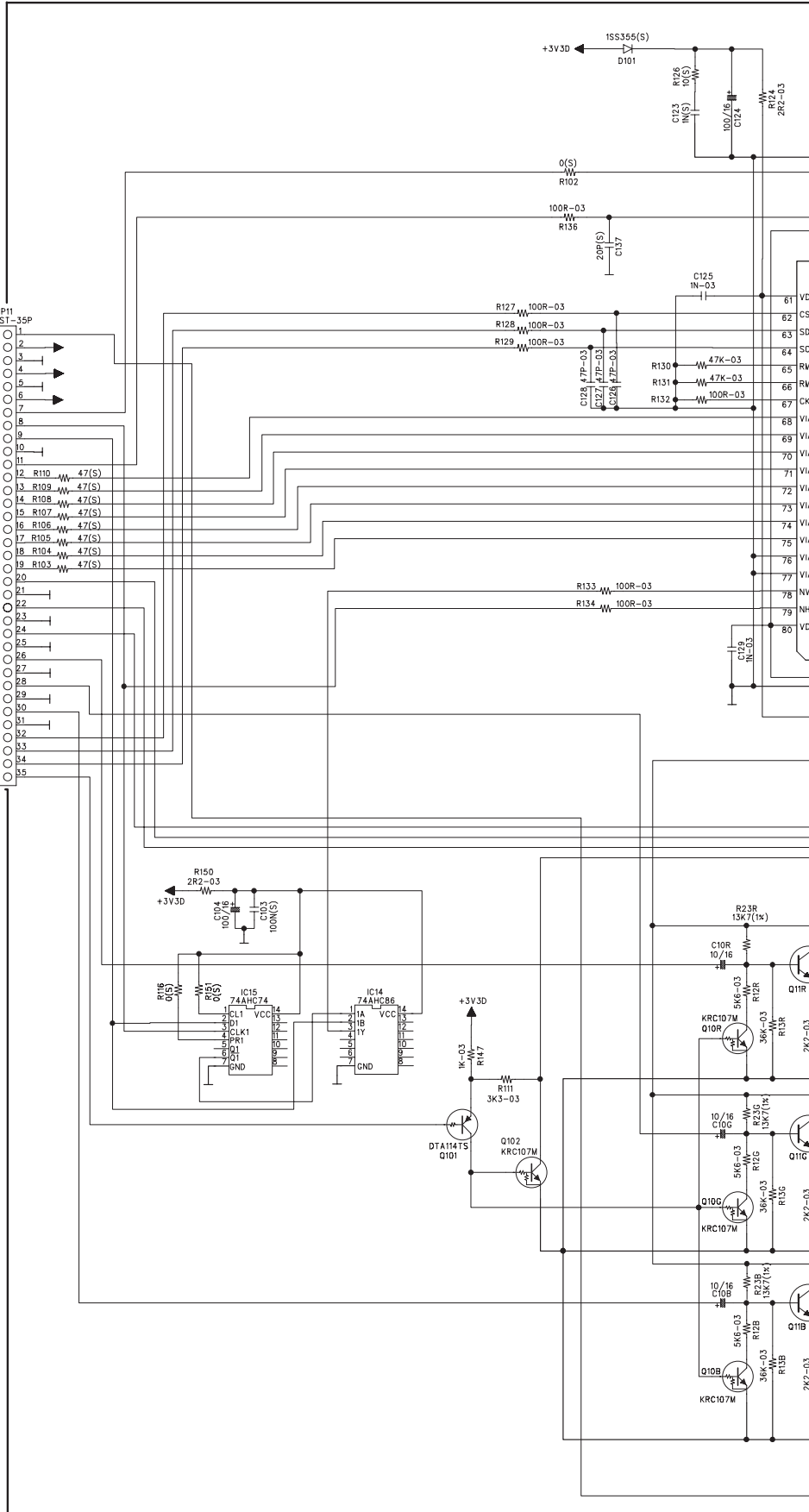
3

4

5

From Main circuit PC board

- CP11
- FPC-S1-35P
- V-MUTE 1
- +2V5D 2
- GND 3
- +3V3D 4
- GND 5
- +5VA 6
- RESET 7
- HSYNC 8
- VSYNC 9
- GND 10
- PIX\_CLK 11
- VIA9 12 R110 47(S)
- VIA8 13 R109 47(S)
- VIA7 14 R108 47(S)
- VIA6 15 R107 47(S)
- VIA5 16 R106 47(S)
- VIA4 17 R105 47(S)
- VIA3 18 R104 47(S)
- VIA2 19 R103 47(S)
- CVBS 20
- GND 21
- C 22
- GND 23
- Y 24
- GND 25
- R(Pr) 26
- GND 27
- G(Y) 28
- GND 29
- B(Yb) 30
- GND 31
- PM0026 STB 32
- PM0026 DATA 33
- PM0026 CLK 34
- PROG-H 35



A B C D E F G H

# SCHEMATIC DIAGRAM

## PROGRESSIVE SCAN CIRCUIT

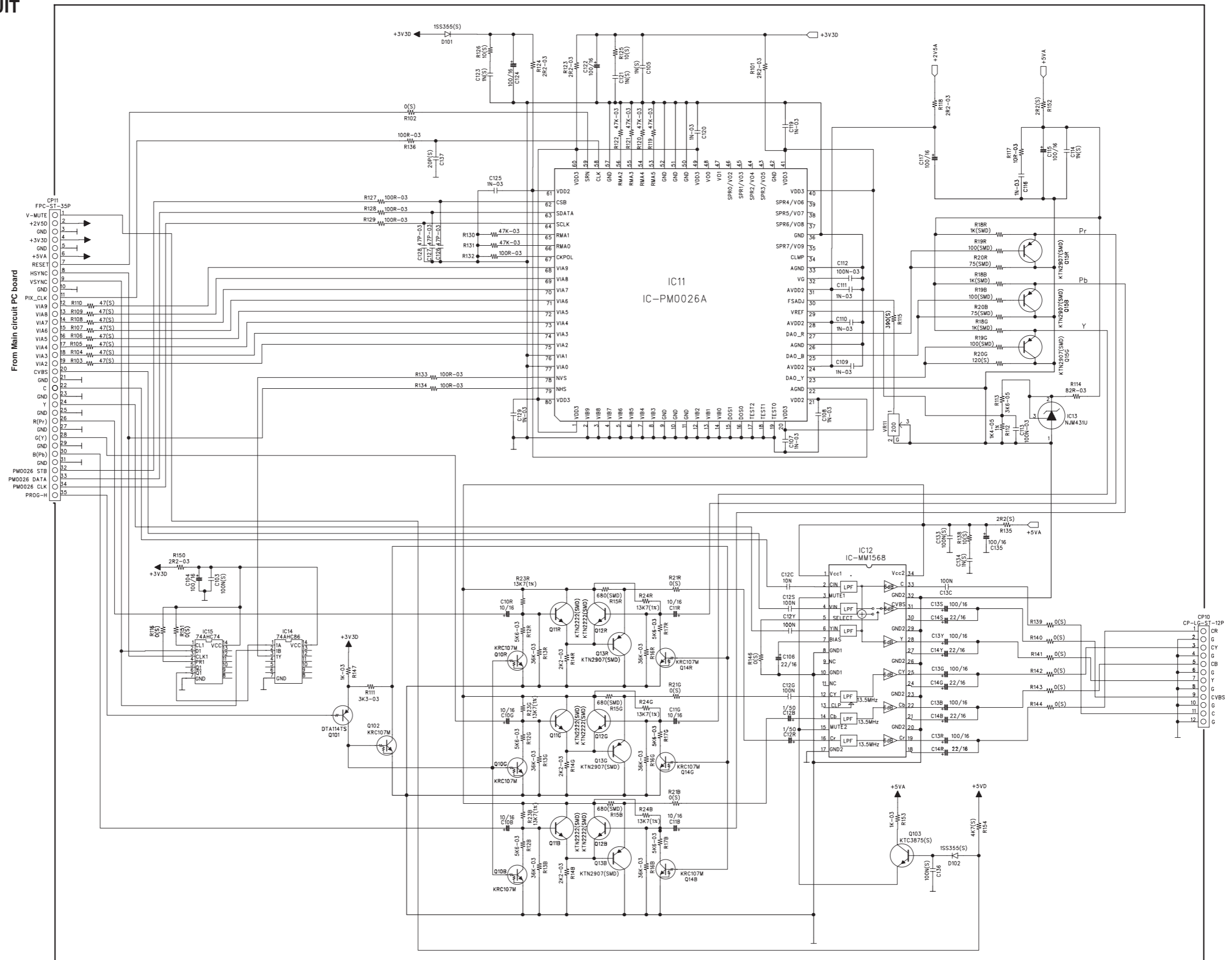
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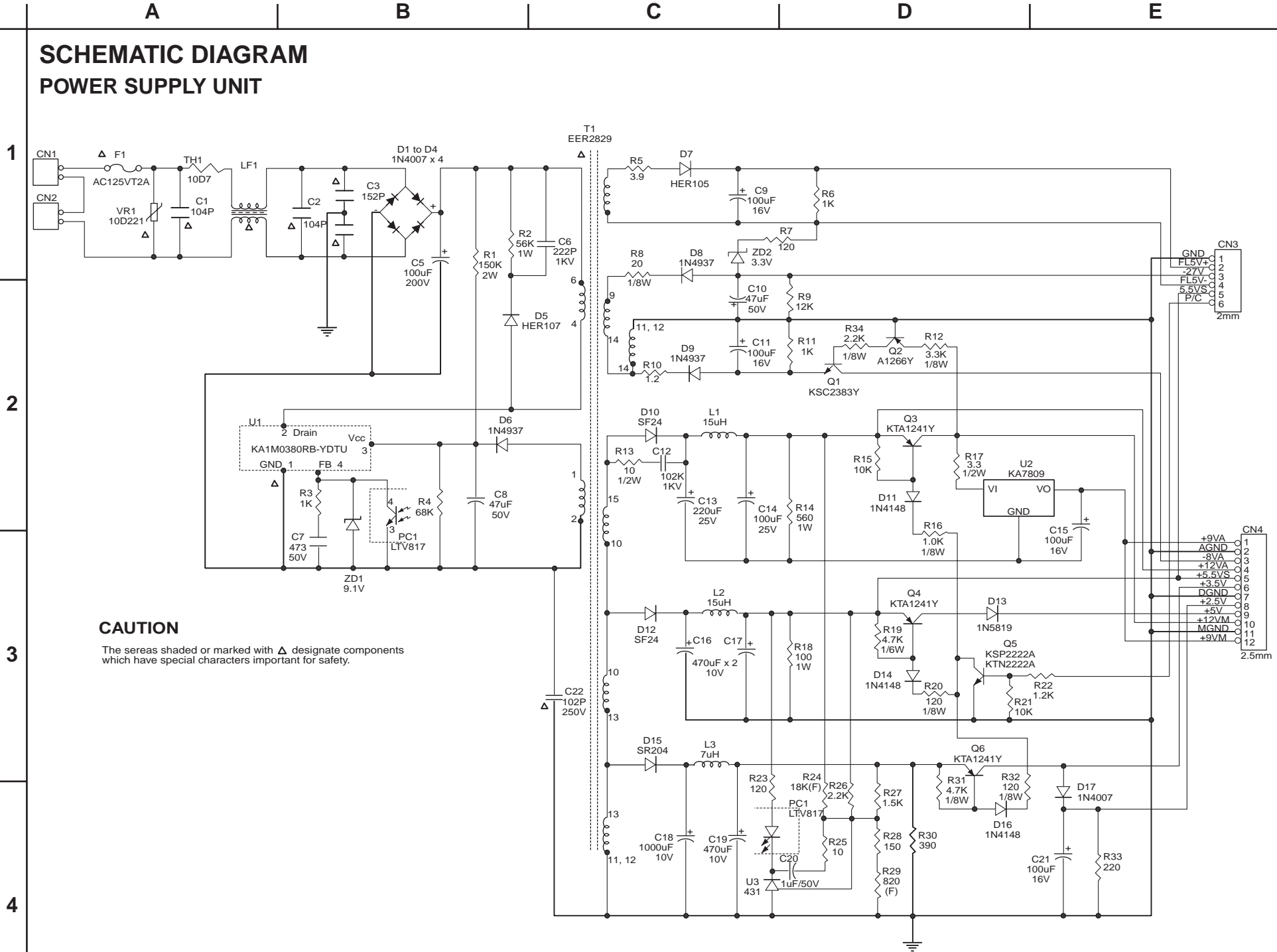
From Main circuit PC board

CP11  
FPC-ST-15P  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35

To Output PC board

CP10  
CP-LG-ST-12P  
1  
2  
3  
4  
5  
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8  
9  
10  
11  
12

# SCHEMATIC DIAGRAM POWER SUPPLY UNIT

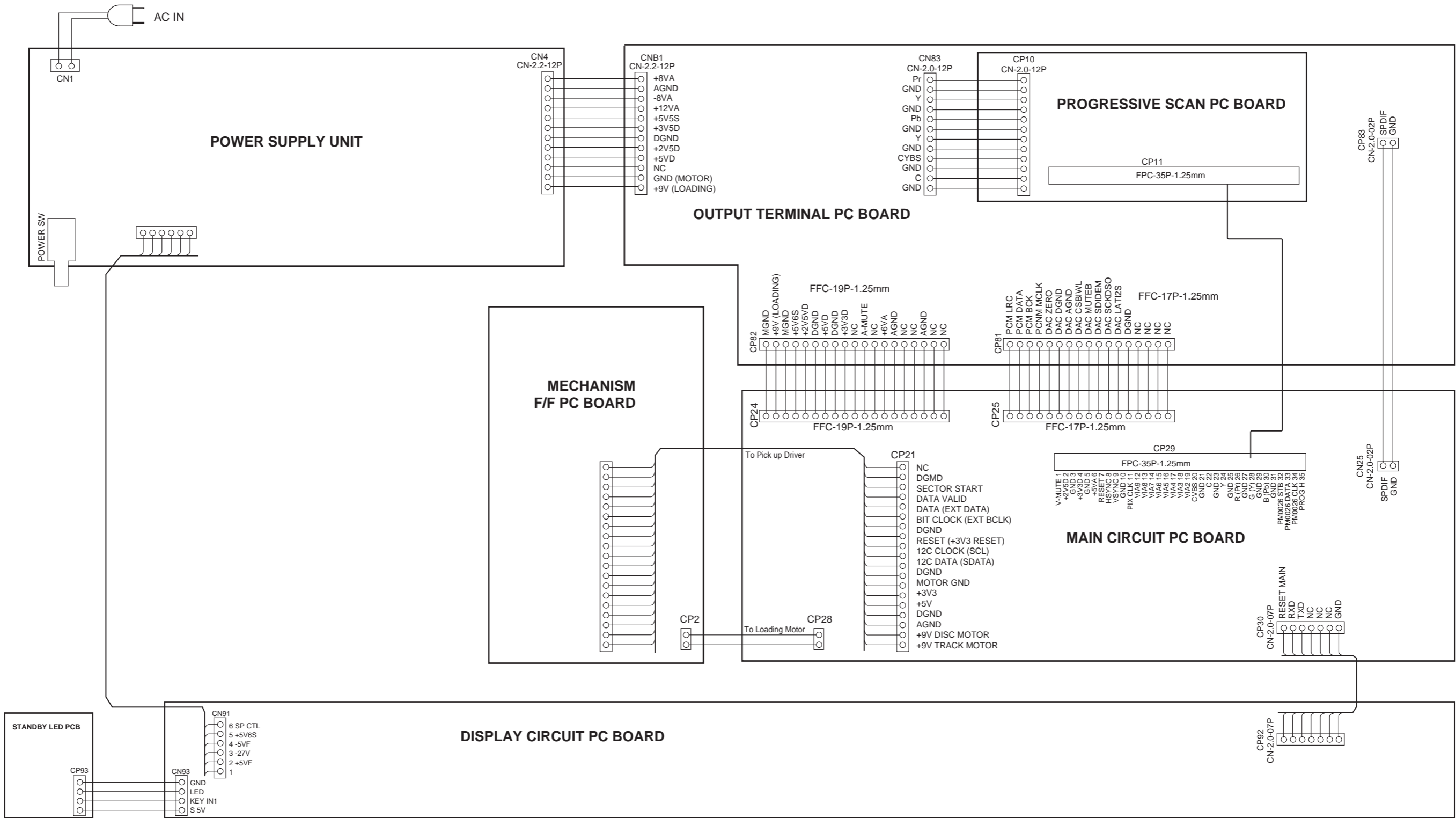


**CAUTION**  
The series shaded or marked with Δ designate components which have special characters important for safety.

4

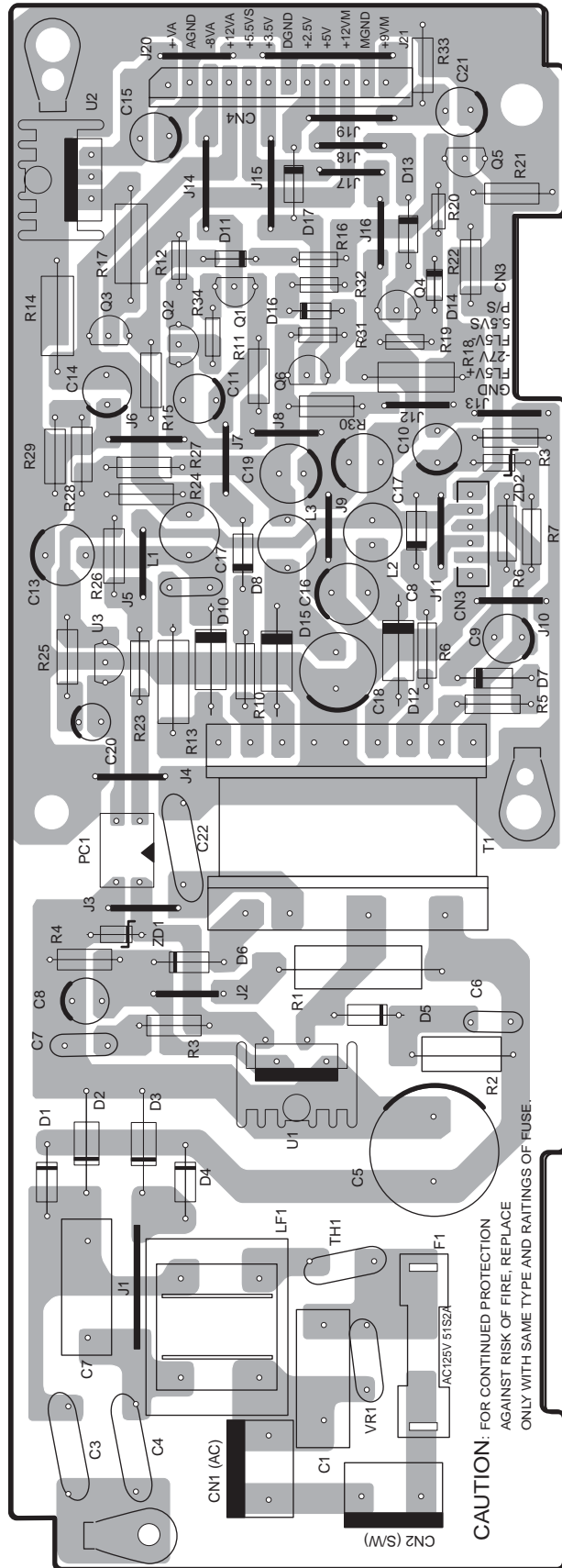
# WIRING CONNECTION DIAGRAM

1  
2  
3  
4  
5



# PRINTERD CIRCUIT BOARD VIEW

## POWER SUPPLY UNIT





## MICROPROCESSOR TERMINAL DESCRIPTION

## IC21: STI5519 MPEG (1/6)

PIN NUMBER	DESCRIPTION	PIN NAME	MAIN FUNCTION	ALTERNATE FUNCTION		TYPE	REMARK
				INPUT	OUTPUT		
1	PIOs and communication	PIO2[5]	PIO2[5]	-	-	I/O	
2	PIOs and communication	PIO2[6]	PIO2[6]	-	-	I/O	
3	PIOs and communication	PIO2[7]	PIO2[7]	-	-	I/O	
4	-	VDD3_3	3.3V POWER SUPPLY	-	-	POWER	
5	-	VSS	GROUND	-	-	POWER	
6	PIOs and communication	PIO3[0]	PIO3[0]	PARA_DATA[0]	-	I/O	
7	PIOs and communication	PIO3[1]	PIO3[1]	PARA_DATA[1]	-	I/O	
8	PIOs and communication	PIO3[2]	PIO3[2]	PARA_DATA[2]	-	I/O	
9	PIOs and communication	PIO3[3]	PIO3[3]	PARA_DATA[3]	-	I/O	
10	PIOs and communication	PIO3[4]	PIO3[4]	CAPTURE_IN1 PARA_DATA[4]	UART1 RTS(RTS1)	I/O	
11	PIOs and communication	PIO3[5]	PIO3[5]	CAPTURE_IN2 PARA_DATA[5]	UART2 RTS(RTS2)	I/O	
12	PIOs and communication	PIO3[6]	PIO3[6]	PARA_DATA[6] UART1 CTS(CTS1)	COMP_OUT1	I/O	
13	PIOs and communication	PIO3[7]	PIO3[7]	PARA_DATA[7] UART1 CTS(CTS2)	COMP_OUT0	I/O	
14	-	VDD2_5	2.5V POWER SUPPLY	-	-	POWER	
15	-	VSS	GROUND	-	-	POWER	
16	Front-end	B_DATA	I2S DATA	SER_DATA	-	I	
17	Front-end	B_BCLK	I2C BIT CLOCK	SER_BCLK	-	I	
18	Front-end	B_FLAG	I2S ERROR FLAG DVD	SER_VALID	-	I	
19	Front-end	B_SYNC	I2S SECTOR/ABS TIME	SER_SYNC	-	I	
20	RESERVED	RESERVED	-	B_WCLK	-	I/O	
				NRSS_CLOCK1			
21	RESERVED	RESERVED	-	B_V4	NRSS_OUT 2and6	I/O	
22	RESERVED	RESERVED	-	NRSS_IN7	-	I/O	
23	RESERVED	VDD_RGB	VDDA_RGB=2.5V	-	-	POWER 2.5V	
24	RESERVED	VSS_RGB	VSSA_RGB=GND	-	-	POWER GND	
25	Video DAC	B_OUT	B_OUT	-	-	O	
26	Video DAC	G_OUT	G_OUT	-	-	O	
27	Video DAC	R_OUT	R_OUT	-	-	O	
28	Video DAC	V_REF_RGB	V_REF_DAC_RGB	-	-	I	
29	Video DAC	I_REF_RGB	I_REF_DAC_RGB	-	-	I	
30	Video DAC	VDD_YCC	VDDA_YCC=2.5V	-	-	POWER 2.5V	
31	Video DAC	VSS_YCC	VSSA_YCC=GND	-	-	POWER GND	
32	Video DAC	Y_OUT	Y_OUT	-	-	O	
33	Video DAC	C_OUT	C_OUT	-	-	O	
34	Video DAC	CV_OUT	CV_OUT	-	-	O	
35	Video DAC	V_REF_YCC	V_REF_DAC_YCC	-	-	I	

## MICROPROCESSOR TERMINAL DESCRIPTION

(2/6)

PIN NUMBER	DESCRIPTION	PIN NAME	MAIN FUNCTION	ALTERNATE FUNCTION		TYPE	REMARK
				INPUT	OUTPUT		
36	Video DAC	I_REF_YCC	I_REF_DAC_YCC	-	-	I	
37	-	VDD2_5	2.5V POWER SUPPLY	-	-	POWER	
38	-	VSS	GROUND	-	-	POWER	
39	PIOs and communication	PIO4[0]	PIO4[0]	-	YC[0]	I/O	
40	PIOs and communication	PIO4[1]	PIO4[1]	-	YC[1]	I/O	
41	PIOs and communication	PIO4[2]	PIO4[2]	-	YC[2]	I/O	
42	PIOs and communication	PIO4[3]	PIO4[3]	-	YC[3]	I/O	
43	PIOs and communication	PIO4[4]	PIO4[4]	-	YC[4]	I/O	
44	PIOs and communication	PIO4[5]	PIO4[5]	-	YC[5]	I/O	
45	PIOs and communication	PIO4[6]	PIO4[6]	-	YC[6]	I/O	
46	PIOs and communication	PIO4[7]	PIO4[7]	-	YC[7]	I/O	
47	-	VDD3_3	3.3V POWER SUPPLY	-	-	POWER	
48	AUDIO_DAC	VDD_PCM	VDD FREQ SYNTHE=2.5V	-	-	POWER 2.5V	
49	AUDIO_DAC	VSS_PCM	VSS FREQ SYNTHE=GND	-	-	POWER GND	
50	-	VSS	GROUND	-	-	POWER	
51	AUDIO_DAC	DAC_SCLK	OVER SAMPLING CLK	-	EXT_AUD_CLK	O	
52	AUDIO_DAC	DAC_PCMOUT0	PCM_OUT0	-	EXT_AUD_DATA	O	
53	AUDIO_DAC	DAC_PCMOUT1	PCM_OUT1	EXT_AUD_REQ	-	I/O	
54	AUDIO_DAC	DAC_PCMOUT2	PCM_OUT2	-	-	O	
55	AUDIO_DAC	DAC_PCCLK	PCM_CLOCK	-	-	I/O	
56	AUDIO_DAC	DAC_LRCLK	LEFT/RIGHT CLK	-	EXT_AUD_WCLK	O	
57	AUDIO_DAC	SPDIF_OUT	SPDIF_OUT	-	-	O	
58	Share memory interface	SMI_ADR[4]	ADDRESS BUS SDRAM	-	-	O	
59	Share memory interface	SMI_ADR[5]	ADDRESS BUS SDRAM	-	-	O	
60	Share memory interface	SMI_ADR[6]	ADDRESS BUS SDRAM	-	-	O	
61	Share memory interface	SMI_ADR[7]	ADDRESS BUS SDRAM	-	-	O	
62	Share memory interface	SMI_ADR[8]	ADDRESS BUS SDRAM	-	-	O	
63	Share memory interface	SMI_ADR[9]	ADDRESS BUS SDRAM	-	-	O	
64	-	VDD2_5	2.5V POWER SUPPLY	-	-	POWER	
65	-	VSS	GROUND	-	-	POWER	
66	Share memory interface	SMI_ADR[0]	ADDRESS BUS SDRAM	-	-	O	
67	Share memory interface	SMI_ADR[1]	ADDRESS BUS SDRAM	-	-	O	
68	Share memory interface	SMI_ADR[2]	ADDRESS BUS SDRAM	-	-	O	
69	Share memory interface	SMI_ADR[3]	ADDRESS BUS SDRAM	-	-	O	
70	Share memory interface	SMI_ADR[10]	ADDRESS BUS SDRAM	-	-	O	
71	Share memory interface	SMI_ADR[11]	ADDRESS BUS SDRAM	-	-	O	
72	Share memory interface	SMI_ADR[12]	ADDRESS BUS SDRAM	-	-	O	
73	Share memory interface	SMI_ADR[13]	ADDRESS BUS SDRAM	-	-	O	

## MICROPROCESSOR TERMINAL DESCRIPTION

(3/6)

PIN NUMBER	DESCRIPTION	PIN NAME	MAIN FUNCTION	ALTERNATE FUNCTION		TYPE	REMARK
				INPUT	OUTPUT		
74	Share memory interface	SMI_CS[0]	CHIP SELECT BANK0	-	-	O	
75	Share memory interface	SMI_CS[1]	CHIP SELECT BANK1	-	-	O	
76	Share memory interface	SMI_RAS	RAS SDRAM	-	-	O	
77	Share memory interface	SMI_CAS	CAS SDRAM	-	-	O	
78	Share memory interface	SMI_WE	SDRAM WRITE ENABLE	-	-	O	
79	Share memory interface	SMI_DQML	DQ MASK EN LOW	-	-	O	
80	Share memory interface	SMI_DQMU	DQ MASK EN UP	-	-	O	
81	-	VDD3_3	3.3V POWER SUPPLY	-	-	POWER	
82	Share memory interface	SMI_CLKIN	SDRAM CLOCK IN	-	-	O	
83	-	VSS	GROUND	-	-	POWER	
84	Share memory interface	SMI_DATA[0]	DATA BUS SDRAM	-	-	I/O	
85	Share memory interface	SMI_DATA[1]	DATA BUS SDRAM	-	-	I/O	
86	Share memory interface	SMI_DATA[2]	DATA BUS SDRAM	-	-	I/O	
87	Share memory interface	SMI_DATA[3]	DATA BUS SDRAM	-	-	I/O	
88	Share memory interface	SMI_DATA[4]	DATA BUS SDRAM	-	-	I/O	
89	Share memory interface	SMI_DATA[5]	DATA BUS SDRAM	-	-	I/O	
90	Share memory interface	SMI_DATA[6]	DATA BUS SDRAM	-	-	I/O	
91	Share memory interface	SMI_DATA[7]	DATA BUS SDRAM	-	-	I/O	
92	Share memory interface	SMI_DATA[8]	DATA BUS SDRAM	-	-	I/O	
93	Share memory interface	SMI_DATA[9]	DATA BUS SDRAM	-	-	I/O	
94	-	VDD2_5	2.5V POWER SUPPLY	-	-	POWER	
95	Share memory interface	SMI_CLKOUT	SDRAM CLOCK OUT	-	-	O	
96	-	VSS	GROUND	-	-	POWER	
97	Share memory interface	SMI_DATA[10]	DATA BUS SDRAM	-	-	I/O	
98	Share memory interface	SMI_DATA[11]	DATA BUS SDRAM	-	-	I/O	
99	Share memory interface	SMI_DATA[12]	DATA BUS SDRAM	-	-	I/O	
100	Share memory interface	SMI_DATA[13]	DATA BUS SDRAM	-	-	I/O	
101	Share memory interface	SMI_DATA[14]	DATA BUS SDRAM	-	-	I/O	
102	Share memory interface	SMI_DATA[15]	DATA BUS SDRAM	-	-	I/O	
103	RESERVED	RESERVED		-	-	I/O	
104	RESERVED	RESERVED		-	-	I/O	
105	RESERVED	RESERVED		-	-	I/O	
106	RESERVED	RESERVED		-	-	O	
107	-	VDD3_3	3.3V POWER SUPPLY	-	-	POWER	
108	-	VSS	GROUND	-	-	POWER	
109	JTAG	TRAT4	TEST RESET	-	-	I	
110	JTAG	TMS	TEST MODE SELECT	-	-	I	
111	JTAG	TDO	TEAT DATA OUT	-	-	O	

## MICROPROCESSOR TERMINAL DESCRIPTION

(4/6)

PIN NUMBER	DESCRIPTION	PIN NAME	MAIN FUNCTION	ALTERNATE FUNCTION		TYPE	REMARK
				INPUT	OUTPUT		
112	JTAG	TDI	TEST DATA IN	-	-	I	
113	JTAG	TCK	TEST CLOCK	-	-	I	
114	TIMER	PWM2	PULSE WITDH MODULA2	VSYNC	-	I/O	
115	TIMER	PWM1	PULSE WITDH MODULA1	BOOT FROM ROM3	-	I/O	
116	TIMER	PWM0	PULSE WITDH MODULA0	HSYNC	-	I/O	
117	EMI Interface	CPU_OE	OUTPUT_ENABLE	-	-	I/O	
118	EMI Interface	CPU_RAM_CLK	SDRAM CLOCK	-	-	O	
119	-	VDD2_5	2.5V POWER SUPPLY	-	-	POWER	
120	CLOCK & RESET	PIX_CLK	27 MHz main clock	-	-	I	
121	-	VSS	GROUND	-	-	POWER	
122	CLOCK & RESET	VDD_PLL	VDD PLL=2.5V	-	-	POWER 2.5V	
123	CLOCK & RESET	VSS_PLL	GND PLL=GND	-	-	POWER GND	
124	CLOCK & RESET	RESET	CHIP RESET	-	-	I	
125	INTERRUPT	IRQ2[2]	IRQ[2](MD_IRQ)	-	-	I	
126	INTERRUPT	IRQ2[1]	IRQ[1](ATAPI_IRQ)	-	-	I	
127	INTERRUPT	IRQ2[0]	IRQ[0](SERVO_IRQ)	-	-	I	
128	EMI Interface	CPU_BE[0]	BYTE0 ENABLE	-	DQM[0]	O	
129	EMI Interface	CPU_BE[1]	BYTE1 ENABLE	-	DQM[1]	O	
130	EMI Interface	CPU_RW	READ-NOT WRITE	-	NOT_SDRAM_WE	O	
131	EMI Interface	CPU_WATE	WATE STATE	-	-	I	
132	EMI Interface	CPU_CE[4]	CHIP SEL.BANK3	-	CS_SBU_BANK3	O	
133	EMI Interface	CPU_CE[3]	CHIP SEL.BANK2	-	-	O	
134	EMI Interface	CPU_CE[2]	CHIP SEL.BANK1	-	-	O	
135	EMI Interface	CPU_CE[0]	DARAM_RAS0	-	SDRAM_RAS	O	
136	-	VDD3_3	3.3V POWER SUPPLY	-	-	POWER	
137	-	VSS	GROUND	-	-	POWER	
138	EMI Interface	CPU_RAS1	DARAM RAS	-	NOT_SDARAM_CS1	I/O	
139	EMI Interface	CPU_CAS[0]	DARM CAS0	-	SDARM CAS/CPU_ADR[22]	O	
140	EMI Interface	CPU_CAS[1]	DRAM	-	NOT_SDARM_CS0	O	
141	EMI Interface	CPU_DATA[0]	DATA[0]	-	-	I/O	
142	EMI Interface	CPU_DATA[1]	DATA[1]	-	-	I/O	
143	EMI Interface	CPU_DATA[2]	DATA[2]	-	-	I/O	
144	EMI Interface	CPU_DATA[3]	DATA[3]	-	-	I/O	
145	EMI Interface	CPU_DATA[4]	DATA[4]	-	-	I/O	
146	EMI Interface	CPU_DATA[5]	DATA[5]	-	-	I/O	
147	EMI Interface	CPU_DATA[6]	DATA[6]	-	-	I/O	
148	EMI Interface	CPU_DATA[7]	DATA[7]	-	-	I/O	
149	-	VDD2_5	2.5V POWER SUPPLY	-	-	POWER	

## MICROPROCESSOR TERMINAL DESCRIPTION

(5/6)

PIN NUMBER	DESCRIPTION	PIN NAME	MAIN FUNCTION	ALTERNATE FUNCTION		TYPE	REMARK
				INPUT	OUTPUT		
150	-	VSS	GROUND	-	-	POWER	
151	EMI Interface	CPU_DATA[8]	DATA[8]	-	-	I/O	
152	EMI Interface	CPU_DATA[9]	DATA[9]	-	-	I/O	
153	EMI Interface	CPU_DATA[10]	DATA[10]	-	-	I/O	
154	EMI Interface	CPU_DATA[11]	DATA[11]	-	-	I/O	
155	EMI Interface	CPU_DATA[12]	DATA[12]	-	-	I/O	
156	EMI Interface	CPU_DATA[13]	DATA[13]	-	-	I/O	
157	EMI Interface	CPU_DATA[14]	DATA[14]	-	-	I/O	
158	EMI Interface	CPU_DATA[15]	DATA[15]	-	-	I/O	
159	-	VDD3_3	3.3V POWER SUPPLY	-	-	POWER	
160	-	VSS	GROUND	-	-	POWER	
161	EMI Interface	CPU_ADR[1]	ADR[1]	-	-	O	
162	EMI Interface	CPU_ADR[2]	ADR[2]	-	-	O	
163	EMI Interface	CPU_ADR[3]	ADR[3]	-	-	O	
164	EMI Interface	CPU_ADR[4]	ADR[4]	-	-	O	
165	EMI Interface	CPU_ADR[5]	ADR[5]	-	-	O	
166	EMI Interface	CPU_ADR[6]	ADR[6]	-	-	O	
167	EMI Interface	CPU_ADR[7]	ADR[7]	-	-	O	
168	EMI Interface	CPU_ADR[8]	ADR[8]	-	-	O	
169	EMI Interface	CPU_ADR[9]	ADR[9]	-	-	O	
170	EMI Interface	CPU_ADR[10]	ADR[10]	-	-	O	
171	-	VDD2_5	2.5V POWER SUPPLY	-	-	POWER	
172	-	VSS	GROUND	-	-	POWER	
173	EMI Interface	CPU_ADR[11]	ADR[11]	-	-	O	
174	EMI Interface	CPU_ADR[12]	ADR[12]	-	-	O	
175	EMI Interface	CPU_ADR[13]	ADR[13]	-	-	O	
176	EMI Interface	CPU_ADR[14]	ADR[14]	-	-	O	
177	EMI Interface	CPU_ADR[15]	ADR[15]	-	-	O	
178	EMI Interface	CPU_ADR[16]	ADR[16]	-	-	O	
179	EMI Interface	CPU_ADR[17]	ADR[17]	-	-	O	
180	EMI Interface	CPU_ADR[18]	ADR[18]	-	-	O	
181	EMI Interface	CPU_ADR[19]	ADR[19]	-	-	O	
182	EMI Interface	CPU_ADR[20]	ADR[20]	-	-	O	
183	EMI Interface	CPU_ADR[21]	ADR[21]	-	-	O	
184	-	VDD3_3	3.3V POWER SUPPLY	-	-	POWER	
185	-	VSS	GROUND	-	-	POWER	
186	PIOs and communication	PIO0[0]	PIO0[0]	UART0_DATA		I/O	
187	PIOs and communication	PIO0[1]	PIO0[1]	-	ATAPI_RD	I/O	

## MICROPROCESSOR TERMINAL DESCRIPTION

(6/6)

PIN NUMBER	DESCRIPTION	PIN NAME	MAIN FUNCTION	ALTERNATE FUNCTION		TYPE	REMARK
				INPUT	OUTPUT		
188	PIOs and communication	PIO0[2]	PIO0[2]	-	ATAPI_WR	I/O	
189	PIOs and communication	PIO0[3]	PIO0[3]	-	-	I/O	
190	PIOs and communication	PIO0[4]	PIO0[4]	-	-	I/O	
191	PIOs and communication	PIO0[5]	PIO0[5]	-	-	I/O	
192	PIOs and communication	PIO0[6]	PIO0[6]	-	-	I/O	
193	PIOs and communication	PIO0[7]	PIO0[7]	-	-	I/O	
194	PIOs and communication	PIO1[0]	PIO1[0]	SSCO_DATA (MTSR OUT/MRST IN		I/O	
195	PIOs and communication	PIO1[1]	PIO1[1]	SSCO_CLOCK		I/O	
196	PIOs and communication	PIO1[2]	PIO1[2]	PARA_DVALID	-	I/O	
197	PIOs and communication	PIO1[3]	PIO1[3]	-	UART2_TXD	I/O	
198	-	VDD2_5	2.5V POWER SUPPLY	-	-	POWER	
199	-	VSS	GROUND	-	-	POWER	
200	PIOs and communication	PIO1[4]	PIO1[4]	UART2_RXD	-	I/O	
201	PIOs and communication	PIO1[5]	PIO1[5]	PARA_SYNC	UART1_TXD	I/O	
202	PIOs and communication	TRIGGER_IN	TRIGGER_IN FOR DCU	-	-	I/O	
203	PIOs and communication	TRIGGER_OUT	TRIGGER_OUT FOR DCU	-	-	I/O	
204	PIOs and communication	PIO2[0]	PIO2[0]	UART3_DATA		I/O	
205	PIOs and communication	PIO2[1]	PIO2[1]	UART1_RXD	PARA_REQ	I/O	
206	PIOs and communication	PIO2[2]	PIO2[2]	PARA_STR	-	I/O	
207	PIOs and communication	PIO2[3]	PIO2[3]	-	-	I/O	
208	PIOs and communication	PIO2[4]	PIO2[4]	-	-	I/O	

END

## MICROPROCESSOR TERMINAL DESCRIPTION

## IC91: CXP82532 Key Control (1/2)

PIN NUMBE	PIN NAME	MAIN FUNCTION	IN/OUT	REMARK
1	PE3/INT3	INPUT FOR EXTERNAL INTERRUPT REQUEST.	I	
2	PE4/RMC	INPUT FOR REMOTE CONTROL RECEIVING CIRCUIT.	I	
3	PE5	-	I	
4	PE6	-	O	
5	PE7/TO	OUTPUT PIN FOR 16-BIT TIME/COUNTER RECTANGULAR WAVEFORM.	O	
6	PBO/CINT	EXTERNAL CAPTURE INPUT FOR 16-BIT TIME/COUNTER.	I/O	
7	PBI/CSO	CHIP SELLECT INPUT FOR SERIAL INTERFACE(CH0).	I/O	
8	PB2/SCKO	SERIAL CLOCK (CH0) INPUT/OUTPUT.	I/O	
9	PB3/SIO	SERIAL DATA (CH0) INPUT.	I/O	
10	PB4/SOO	SERIAL DATA (CH0) OUTPUT.	I/O	
11	PB5/SCK1	SERIAL CLOCK (CH1) INPUT/OUTPUT.	I/O	
12	PB6/SI1	SERIAL DATA (CH1) INPUT.	I/O	
13	PB7/SO1	SERIAL DATA (CH1) OUTPUT.	O	
14	PCO/KRO	KEY RETURN INPUT FOR FDP SEGMENT SIGNAL WITCH PERFORMS KEY SCANNING.	I/O	
15	PC1/KR1	KEY RETURN INPUT FOR FDP SEGMENT SIGNAL WITCH PERFORMS KEY SCANNING.	I/O	
16	PC2/KR2	KEY RETURN INPUT FOR FDP SEGMENT SIGNAL WITCH PERFORMS KEY SCANNING.	I/O	
17	PC3/KR3	KEY RETURN INPUT FOR FDP SEGMENT SIGNAL WITCH PERFORMS KEY SCANNING.	I/O	
18	PC4/KR4	KEY RETURN INPUT FOR FDP SEGMENT SIGNAL WITCH PERFORMS KEY SCANNING.	I/O	
19	PC5/KR5	KEY RETURN INPUT FOR FDP SEGMENT SIGNAL WITCH PERFORMS KEY SCANNING.	I/O	
20	PC6/KR6	KEY RETURN INPUT FOR FDP SEGMENT SIGNAL WITCH PERFORMS KEY SCANNING.	I/O	
21	PC7/KR7	KEY RETURN INPUT FOR FDP SEGMENT SIGNAL WITCH PERFORMS KEY SCANNING.	I/O	
22	PA0/AN0	ANALOG INPUT TO A/D CONVERTER.	I/O	
23	PA1/AN1	ANALOG INPUT TO A/D CONVERTER.	I/O	
24	PA2/AN2	ANALOG INPUT TO A/D CONVERTER.	I/O	
25	PA3/AN3	ANALOG INPUT TO A/D CONVERTER.	I/O	
26	PA4/AN4	ANALOG INPUT TO A/D CONVERTER.	I/O	
27	PA5/AN5	ANALOG INPUT TO A/D CONVERTER.	I/O	
28	PA6/AN6	ANALOG INPUT TO A/D CONVERTER.	I/O	
29	PA7/AN7	ANALOG INPUT TO A/D CONVERTER.	I/O	
30	RESET	SYSTEM RESET ACTIVE "L"	I/O	
31	EXTAL	CONNECTION FOR SYSTEM CLOCK OSCILLATION CRYSTAL.	I	
32	XTAL	CONNECTION FOR SYSTEM CLOCK OSCILLATION CRYSTAL.	-	
33	VSS	GND	-	
34	PD0/S0	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
35	PD1/S1	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
36	PD2/S2	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
37	PD3/S3	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
38	PD4/S4	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
39	PD5/S5	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
40	PD6/S6	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
41	PD7/S7	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
42	PF0/S8	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
43	PF1/S9	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
44	PF2/S10	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
45	PF3/S11	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
46	PF4/S12	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
47	PF5/S13	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
48	PF6/S14	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
49	PF7/S15	8-BIT DEDICATED OUTPUT PORT/SEGMENT SIGNAL OUTPUT FOR FDP.	O	
50	S16	SEGMENT SIGNAL OUTPUT FOR FDP.	O	
51	S17	SEGMENT SIGNAL OUTPUT FOR FDP.	O	
52	S18	SEGMENT SIGNAL OUTPUT FOR FDP.	O	
53	S19	SEGMENT SIGNAL OUTPUT FOR FDP.	O	
54	S20	SEGMENT SIGNAL OUTPUT FOR FDP.	O	
55	T15/S21	DUAL PURPOSE OUTPUT FOR FDP TIMING AND SEGMENT SIGNAL.	O	
56	T14/S22	DUAL PURPOSE OUTPUT FOR FDP TIMING AND SEGMENT SIGNAL.	O	
57	T13/S23	DUAL PURPOSE OUTPUT FOR FDP TIMING AND SEGMENT SIGNAL.	O	
58	T12/S24	DUAL PURPOSE OUTPUT FOR FDP TIMING AND SEGMENT SIGNAL.	O	

## MICROPROCESSOR TERMINAL DESCRIPTION

(2/2)

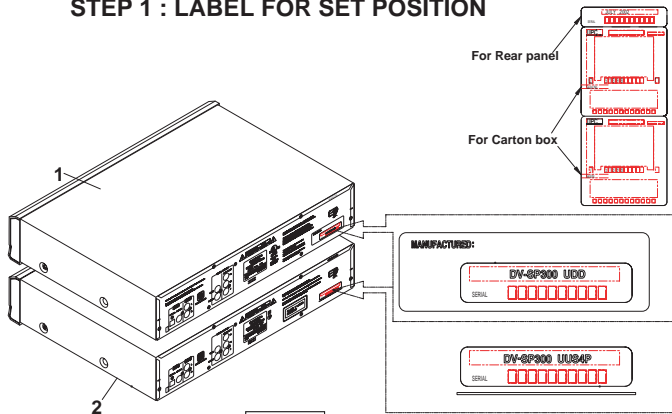
PIN NUMBE	PIN NAME	MAIN FUNCTION	IN/OUT	REMARK
59	T11/S25	DUAL PURPOSE OUTPUT FOR FDP TIMING AND SEGMENT SIGNAL.	O	
60	T10/S26	DUAL PURPOSE OUTPUT FOR FDP TIMING AND SEGMENT SIGNAL.	O	
61	T9/S27	DUAL PURPOSE OUTPUT FOR FDP TIMING AND SEGMENT SIGNAL.	O	
62	T8/S28	DUAL PURPOSE OUTPUT FOR FDP TIMING AND SEGMENT SIGNAL.	O	
63	T7	TIMING SIGNAL OUTPUT FOR FDP	O	
64	T6	TIMING SIGNAL OUTPUT FOR FDP	O	
65	T5	TIMING SIGNAL OUTPUT FOR FDP	O	
66	T4	TIMING SIGNAL OUTPUT FOR FDP	O	
67	T3	TIMING SIGNAL OUTPUT FOR FDP	O	
68	T2	TIMING SIGNAL OUTPUT FOR FDP	O	
69	T1	TIMING SIGNAL OUTPUT FOR FDP	O	
70	T0	TIMING SIGNAL OUTPUT FOR FDP	O	
71	VFDP	PROVIDES VOLTAGE FOR FDP	-	
72	VDD	POSITIVE POWER SUPPLY PIN.	-	
73	VPP	POSITIVE POWER SUPPLY FOR THE PROGRAMMABLE ON-CHIP PROM.	-	
74	PG0	4-BIT IN/OUTPUT PORT;SINGLE BIT ADDRESSABLE	I/O	
75	PG1	4-BIT IN/OUTPUT PORT;SINGLE BIT ADDRESSABLE	I/O	
76	PG2	4-BIT IN/OUTPUT PORT;SINGLE BIT ADDRESSABLE	I/O	
77	PG3	4-BIT IN/OUTPUT PORT;SINGLE BIT ADDRESSABLE	I/O	
78	PE0/EC0/INT0	INPUT FOR EXTERNAL INTERRUPT REQUEST.	I	
79	PE1/EC1/INT1	INPUT FOR EXTERNAL INTERRUPT REQUEST.	I	
80	PE2/IN2	INPUT FOR EXTERNAL INTERRUPT REQUEST.	I	

END

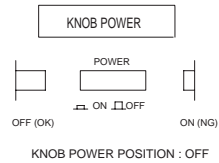


**PACKING VIEW**

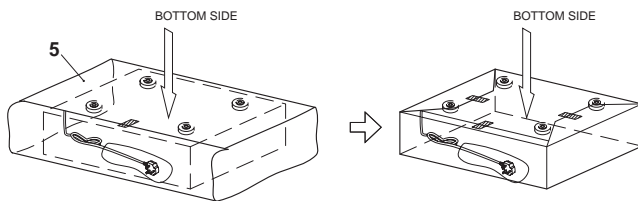
**STEP 1 : LABEL FOR SET POSITION**



**STEP 2 : KNOB POSITION**



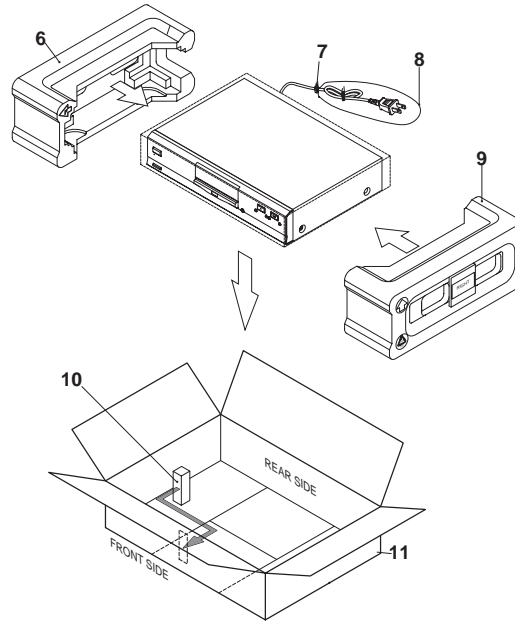
**STEP 3 : SET PACKING**



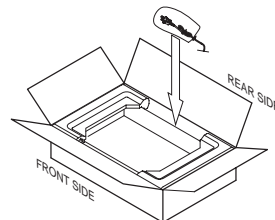
**NOTE**

1. PACK THE UNIT THAT HAVE BEEN SET THE DVD MECHANISM 2. "Life time of the battery should be more then one year TO INITIAL MODE (STANDBY BUTTON OFF -> AFTER 5 SECONDS from the production date of main unit" LIGHTING -> PUSH SW OFF -> PULL OUT AC CORD -> COMPLETION OF MOVEMENT)

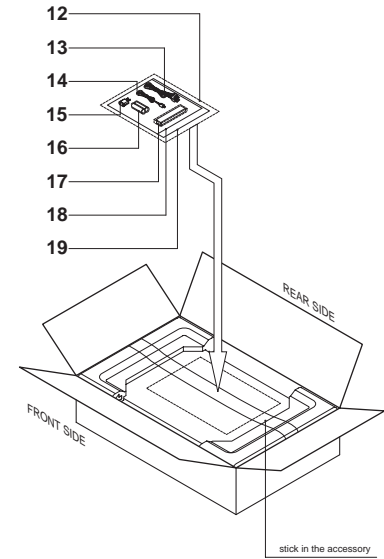
**STEP 4 : SET IN BOX**



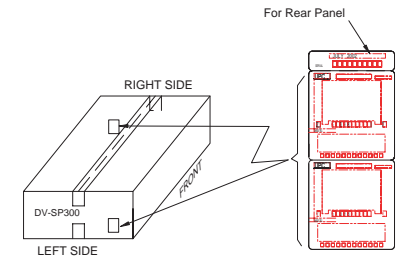
**STEP 5 : AC CORD POSITION**



**STEP 6 : PACKED-IN ACCESSORIES (PUT ON THE POLY BAG).**



**STEP 7 : LABEL FOR BOX POSITION**



**PRINTED CIRCUIT BOARD PARTS LIST**

**Nortn America model (AC 120V, 60Hz  
Signal system NTSC)**

**MAIN CIRCUIT PC BOARD**

CIRCUIT NO	PART NO.	PART NAME	DESCRIPTION
CC21	55490200	FFC	19X 1.25MM 130MM
CC24	55318530	FFC	19X 1.25MM 50MM DV603
CC25	55455560	FFC	17X 1.25MM 50MM
CC29	55490230	FFC	35X 1.25MM 120MM
CN25	55420050	Connector assy	2P 250MM UL1533 SHIELD 26 1
CP21	55124600	Connector	1.25MM 19 FE ST WH GF120-19S-TS 2794 A6
CP22	55125910	Connector	1.0MM 15 FE ST BK 00-6232-015-006-800 0 0
CP23	55125910	Connector	1.0MM 15 FE ST BK 00-6232-015-006-800 0 0
CP24	55124600	Connector	1.25MM 19 FE ST WH GF120-19S-TS 2794 A6
CP25	55455860	Connector	1.25MM 17 FE ST WH GF120-17S-TS 0 0
CP28	55164790	Connector	2.5MM 02 MA ST BK 1649 C2
CP29	55209230	Connector	1.25MM 35 FE ST BK GF120-35S-TS 0 0
CP30	55090060	Connector	2.0MM 7 MA ST NAT LW2002P07 0 0
GND A	55135980	Terminal GND	LUG GND
GND C	55135980	Terminal GND	LUG GND
GND D	55135980	Terminal GND	LUG GND
IC23	55116380	IC	FAN8082, MOTOR DRIVER
X501	55128980	Resonator	FILQZ 27M0 HZ
L201	55188040	Coil	LF-SMD 2U2H +10%
L202	55188040	Coil	LF-SMD 2U2H +10%
L203	55188040	Coil	LF-SMD 2U2H +10%
L206	55126670	Coil	1000OHM FCM2012H-102T04
L207	55185100	Coil	LF-SMD 22U0H +10%
L301	55188040	Coil	LF-SMD 2U2H +10%
Q204	20970480	Transistor	KTA1504Y P
R415	55126670	Coil	1000OHM FCM2012H-102T04
C204	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C206	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C210	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C221	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C228	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C229	20268620	Electric capacitor	470U0F +20% 6.3V 85C
C230	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C232	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C233	20268620	Electric capacitor	470U0F +20% 6.3V 85C
C252	20268840	Electric capacitor	1U0F +20% 50.0V 85C
C253	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C254	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C311	20268620	Electric capacitor	470U0F +20% 6.3V 85C
C406	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C505	20268620	Electric capacitor	470U0F +20% 6.3V 85C
D201	20414280	Diode Zener	1N5232B 5.6V 500MI0W
D202	55165360	Diode	RB441Q-40 40.0V 100MI0A
D203	70436540	Diode	1N4148 100.0V 150E-3A
D204	70436540	Diode	1N4148 100.0V 150E-3A
IC21	55130350	IC	ST15519 MPEG VIDEO DECODER
IC22	20940740	IC	M24C02WMN6 EEPROM
IC31	55236130	IC	HY57V641620HGT-H, DRAM 100M0 HZ 6N0 64M(1M*16*4) 133MHZ
IC41	55136720	IC	M29W800AT90N1MEMORY FLASH
IC51	55133310	IC	M74HCU04M1R INVERTER HCT
L501	55126670	Coil	1000OHM FCM2012H-102T04
Q201	20970460	Transistor	KTC3875Y N 50V 150MI0A
Q202	20970460	Transistor	KTC3875Y N 50V 150MI0A
Q203	20970460	Transistor	KTC3875Y N 50V 150MI0A

**DISPLAY CIRCUIT PC BOARD**

CIRCUIT NO	PART NO.	PART NAME	DESCRIPTION
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50	55367490	Sponge	SPONGE BK 20.0MM X 20.0MM 3.5MM 0MM
CN91	55366590	Socket AS	6P 300MM UL2791 SHIELD 28 1
CN92	55366690	Socket AS	7P 80MM UL2791 SHIELD 28 1
CN93	55366790	Socket AS	4P 90MM UL1007 RIBBON 26 1
CP93	55123310	Connector AS	2.0MM 4 MA ST NAT LW2002P04 0 0
D904	55125510	Diode	D-LEM LTL-1CHE RD RND 3.0 DIFU 5.6CD
FG90	55209110	Finger	PIN-STRIP 0.0MM 1 -- U FINGER STRIP DVD10 0 0
FG92	55209110	Finger	PIN-STRIP 0.0MM 1 -- U FINGER STRIP DVD10 0 0
FL91	55414960	FL tube	HNV-12SM23
IC91	55443260	IC	CXP82532-312Q DV-SP300 MICROCONT
IC93	55191090	IC	KIA7045P LOW VOLTAGE DROP
LG92	55541050	Socket AS	1P 100MM UL1007 RIBBON 18 1
MCN1	55234770	Socket AS	80MM UL1617 PVC DOUBLE INSULATED
MSW1	55141570	Switch, Power	POWER SWITCH 4.0A 250.0V 100MI0OHM 1T 2P
RM91	55156010	IC	NJL63H380A RECEIVER 38KHZ
X901	55126140	Resonator	10M0 HZ 25.0 OHM 0F
D901	20496510	Diode	1SS355 35.0V 225MI0A
D906	55177870	Diode	RB501V-40 40.0V 100MI0A SCHOTTKY
L901	55185100	Coil	LF-SMD 22U0H +10%
Q904	55051240	Transistor	KRC107S N 10K0 OHM 47K0 OHM
C901	20342060	Electric capacitor	47U0F +20% 16.0V 85C
C906	20341840	Electric capacitor	100U0F +20% 16.0V 85C
C907	55178330	Electric capacitor	470U0F +20% 6.3V 85C
C909	20251830	Electric capacitor	1U0F +20% 50.0V 85C
C917	55178330	Electric capacitor	470U0F +20% 6.3V 85C
SW91	55145270	Switch Tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW92	55145270	Switch Tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW93	55145270	Switch Tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW94	55145270	Switch Tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW95	55145270	Switch Tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW96	55145270	Switch Tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW97	55145270	Switch Tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW98	55145270	Switch Tact	50MI0A 12.0V 500MI0OHM 1T 1P

#### OUTPUT TERMINAL PC BOARD

CIRCUIT NO	PART NO.	PART NAME	DESCRIPTION
C830	20269180	Electric Capacitor	1000MI0F +20% 6.3V 85C
CN81	55317960	Socket AS	12P 60MM
CN83	55455960	Socket AS	2.0MM 12P 100MM
CP81	55455860	Connector AS	1.25MM 17 FE ST WH GF120-17S-TS 0 0
CP82	55124600	Connector AS	1.25MM 19 FE ST WH GF120-19S-TS 2794 A6
CP83	55090070	Connector AS	2.0MM 2 MA ST NAT LW2002P0200T 0 0
D805	20415050	Diode	1N4002 100.0V 1A
IC84	55164740	Terminal	GP1F32T RD RND CL
IC85	55491690	IC	KIA7805AP NORMAL
J873	70436540	Diode	1N4148 100.0V 150E-3A
JK81	55164750	Terminal	PHONO SCKT W/GN 1 PINS
JK82	55175260	Terminal	RCA 2P W/GND CAP JE020059PN
JK83	55191220	Terminal	DIN SCKT MIX SOCKET RCA & S-VIDEO
JK84	55149420	Terminal	PHONO SCKT RCA-314P RBG
D801	55171070	Diode Zener	UDZS 2.2 B 2.4V 200MI0W
D804	20496510	Diode	1SS355 35.0V 225MI0A
D810	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D811	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D812	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D813	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D814	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D815	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D816	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D817	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D818	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W

D819	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D820	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D821	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
IC81	55291470	IC	WM8728 D/A CONV
IC82	55128990	IC	BA4560F DUAL OP AMP
L801	10328750	Coil	0 OHM +0% 62MI5W
L802	10134710	Coil	75R0 OHM +5% 62MI5W
L803	10134710	Coil	75R0 OHM +5% 62MI5W
L804	10134710	Coil	75R0 OHM +5% 62MI5W
L812	10328750	Coil	0 OHM +0% 62MI5W
L813	10328750	Coil	0 OHM +0% 62MI5W
Q801	20970460	Transistor	KTC3875Y N 50V 150MI0A
Q802	20970480	Transistor	KTA1504Y P -50V -150MI0A
Q803	55039430	Transistor	DTC323TK N 2K2 OHM
Q804	55133190	Transistor	DTA114YKA P 10K0 OHM 47K0 OHM
Q805	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q811	55039430	Transistor	DTC323TK N 2K2 OHM
C802	20268940	Electric Capacitor	100U0F +20% 10.0V 85C
C805	20267830	Electric Capacitor	47U0F +20% 16.0V 85C
C807	15002130	Electric Capacitor	10U0F +20% 16.0V 85C
C809	15002130	Electric Capacitor	10U0F +20% 16.0V 85C
C811	20267830	Electric Capacitor	47U0F +20% 16.0V 85C
C814	20267830	Electric Capacitor	47U0F +20% 16.0V 85C
C816	20267830	Electric Capacitor	47U0F +20% 16.0V 85C
C819	20267830	Electric Capacitor	47U0F +20% 16.0V 85C
C820	20268840	Electric Capacitor	1U0F +20% 50.0V 85C
C825	20269110	Electric Capacitor	330U0F +20% 6.3V 85C
C831	20268840	Electric Capacitor	1U0F +20% 50.0V 85C
C832	20267830	Electric Capacitor	47U0F +20% 16.0V 85C
C834	20267830	Electric Capacitor	47U0F +20% 16.0V 85C
C836	20252650	Electric Capacitor	220U0F +20% 16.0V 85C

### PROGRESSIVE SCAN CIRCUIT PC BOARD

CIRCUIT NO	PART NO.	PART NAME	DESCRIPTION
BK10	55176420	Bracket ground	0.5T
CP10	55090100	Connector	2.0MM 12 MA ST NAT LW2002P12 0 0
CP11	55209230	Connector	1.25MM 35 FE ST BK GF120-35S-TS 0 0
GND A	55135980	Terminal GND	LUG GND
VR11	55307870	Semi fix resistor	PR 200R0 OHM +30% 100MI0W
D101	20496510	Diode, Chip	1SS355 35.0V 225MI0A
D102	20496510	Diode, Chip	1SS355 35.0V 225MI0A
IC11	55388940	IC	PM0026A LQFP80 PIONEER VIDEO PROCESSOR
IC12	55389040	IC	MM1568AJBE SSOP34A MITSUMI AMPLIFIER&DRIVER
IC14	15178670	IC	4HC86 GATE HCMOS LOGIC
IC15	15180010	IC	IC-LOGIC 74HC74 FLIP/FLOP CMOS
IC15	20997870	IC	MC74HC74AD DUAL-D FLIP FLOP
Q101	55133190	Transistor	DTA114YKA P 10K0 OHM 47K0 OHM
Q102	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q103	20970460	Transistor	TR-SLPSWA KTC3875Y N 50V 150MI0A
Q10B	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q10G	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q10R	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q11B	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q11G	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q11R	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q12B	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q12G	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q12R	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q13B	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q13G	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q13R	55137830	Transistor	KTN2907AS N 50V -600MI0A

Q14B	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q14G	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q14R	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q15B	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q15G	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q15R	55137830	Transistor	KTN2907AS N 50V -600MI0A
C104	20268940	Electrical Cap.	100U0F +20% 10.0V 85C
C106	20251930	Electrical Cap.	22U0F +20% 16.0V 85C
C10B	15002130	Electrical Cap.	10U0F +20% 16.0V 85C
C10G	15002130	Electrical Cap.	10U0F +20% 16.0V 85C
C10R	15002130	Electrical Cap.	10U0F +20% 16.0V 85C
C115	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C117	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C11B	15002130	Electrical Cap.	10U0F +20% 16.0V 85C
C11G	15002130	Electrical Cap.	10U0F +20% 16.0V 85C
C11R	15002130	Electrical Cap.	10U0F +20% 16.0V 85C
C122	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C124	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C12B	20268840	Electrical Cap.	1U0F +20% 50.0V 85C
C12R	20268840	Electrical Cap.	1U0F +20% 50.0V 85C
C135	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C13B	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C13G	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C13R	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C13S	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C13Y	20269020	Electrical Cap.	100U0F +20% 16.0V 85C
C14B	20251930	Electrical Cap.	22U0F +20% 16.0V 85C
C14G	20251930	Electrical Cap.	22U0F +20% 16.0V 85C
C14R	20251930	Electrical Cap.	22U0F +20% 16.0V 85C
C14S	20251930	Electrical Cap.	22U0F +20% 16.0V 85C
C14Y	20251930	Electrical Cap.	22U0F +20% 16.0V 85C
IC13	15069010	IC	NJM431

**PRINTED CIRCUIT BOARD PARTS LIST**

Asia area only (AC 110-240V, 50/60Hz

Video signal system PAL/NTSC)

**MAIN CIRCUIT PC BOARD**

<b>CIRCUIT NO.</b>	<b>PART NO.</b>	<b>PART NAME</b>	<b>DESCRIPTION</b>
CC21	55490200	FFC	19X 1.25MM 130MM
CC24	55318530	FFC	19X 1.25MM 50MM DV603
CC25	55455560	FFC	17X 1.25MM 50MM
CC29	55490230	FFC	35X 1.25MM 120MM
CN25	55420050	Socket AS	2P 250MM UL1533 SHIELD 26 1
CP21	55124600	Connector	1.25MM 19 FE ST WH GF120-19S-TS 2794 A6
CP22	55125910	Connector	1.0MM 15 FE ST BK 00-6232-015-006-800 0 0
CP23	55125910	Connector	1.0MM 15 FE ST BK 00-6232-015-006-800 0 0
CP24	55124600	Connector	1.25MM 19 FE ST WH GF120-19S-TS 2794 A6
CP25	55455860	Connector	1.25MM 17 FE ST WH GF120-17S-TS 0 0
CP28	55164790	Connector	2.5MM 02 MA ST BK 1649 C2
CP29	55209230	Connector	1.25MM 35 FE ST BK GF120-35S-TS 0 0
CP30	55090060	Connector	2.0MM 7 MA ST NAT LW2002P07 0 0
GNDA	55135980	Terminal GND	LUG GND
GNDC	55135980	Terminal GND	LUG GND
GNDD	55135980	Terminal GND	LUG GND
IC23	55116380	IC	FAN8082 MOTOR DRIVER
X501	55128980	Resonator	FILQZ 27M0 HZ
L201	55188040	Coil	2U2H +10%
L202	55188040	Coil	2U2H +10%
L203	55188040	Coil	2U2H +10%
L204	10328750	Coil	0 OHM +0% 62MI5W
L205	10328750	Coil	0 OHM +0% 62MI5W
L206	55126670	Coil	1000OHM FCM2012H-102T04
L207	55185100	Coil	22U0H +10%
L208	10328750	Coil	0 OHM +0% 62MI5W
L209	10328750	Coil	0 OHM +0% 62MI5W
L301	55188040	Coil	2U2H +10%
Q204	20970480	Transistor	KTA1504Y P -50V -150MI0A
C204	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C206	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C210	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C221	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C228	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C229	20268620	Electric capacitor	470U0F +20% 6.3V 85C
C230	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C232	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C233	20268620	Electric capacitor	470U0F +20% 6.3V 85C
C252	20268840	Electric capacitor	1U0F +20% 50.0V 85C
C253	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C254	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C311	20268620	Electric capacitor	470U0F +20% 6.3V 85C
C406	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C505	20268620	Electric capacitor	470U0F +20% 6.3V 85C
D201	20414280	Diode Zener	1N5232B 5.6V 500MI0W
D202	55165360	Diode	RB441Q-40 40.0V 100MI0A
D203	70436540	Diode	1N4148 100.0V 150E-3A
D204	70436540	Diode	1N4148 100.0V 150E-3A
IC21	55130350	IC	STI5519 MPEG VIDEO DECODER
IC22	20940740	IC	IC-EEPROM M24C02WMN6

IC31	55236130	IC	HY57V641620HGT-H 133MHZ
IC41	55136720	IC	M29W800AT90N1
IC51	55133310	IC	M74HCU04M1R INVERTER
L501	55126670	Coil	1000OHM FCM2012H-102T04
Q201	20970460	Transistor	KTC3875Y N 50V 150MI0A
Q202	20970460	Transistor	KTC3875Y N 50V 150MI0A
Q203	20970460	Transistor	KTC3875Y N 50V 150MI0A

#### DISPLAY CIRCUIT PC BOARD

CIRCUIT NO.	PART NO.	PART NAME	DESCRIPTION
50	55367490	Sponge	20.0MM X 20.0MM 3.5MM
CN91	55366590	Socket AS	6P 300MM UL2791 SHIELD 28 1
CN92	55366690	Socket AS	7P 80MM UL2791 SHIELD 28 1
CN93	55366790	Socket AS	4P 90MM UL1007 RIBBON 26 1
CP93	55123310	Connector	2.0MM 4 MA ST NAT LW2002P04 0 0
D904	55125510	Diode	D-LEM LTL-1CHE RD RND 3.0 DIFU 5.6CD
FG90	55209110	Finger	PIN-STRIP 0.0MM 1
FG92	55209110	Finger	PIN-STRIP 0.0MM 1
FL91	55414960	FL Tube	DISPLAY HNV-12SM23
IC91	55443260	IC	CXP82532-312Q DV-SP300
IC93	55191090	IC	KIA7045P LOW VOLTAGE DROP
LG92	55541050	FFC	1P 100MM UL1007 RIBBON 18 1
MCN1	55234770	Socket AS	2 80MM UL1617 PVC DOUBLE INSULATED 22 12
MSW1	55141570	Push switch	POWER SWITCH 4.0A 250.0V 100MI0OHM 1T 2P
RM91	55156010	IC	IC-REMOTE NJL63H380A RECEIVER 38KHZ
X901	55126140	Resonator	10M0 HZ 25.0 OHM 0F
D901	20496510	Diode	1SS355 35.0V 225MI0A
D906	55177870	Diode	SCHOTTKY RB501V-40 40.0V 100MI0A
L901	55185100	Coil	LF-SMD 22U0H +10%
L904	80440510	Coil	0 OHM +0% 100MI0W
L907	80440510	Coil	0 OHM +0% 100MI0W
L911	80440510	Coil	0 OHM +0% 100MI0W
L914	80440510	Coil	0 OHM +0% 100MI0W
L915	80440510	Coil	0 OHM +0% 100MI0W
L916	80440510	Coil	0 OHM +0% 100MI0W
Q904	55051240	Transistor	KRC107S N 10K0 OHM 47K0 OHM
C901	20342060	Electric capacitor	47U0F +20% 16.0V 85C
C906	20341840	Electric capacitor	100U0F +20% 16.0V 85C
C907	55178330	Electric capacitor	470U0F +20% 6.3V 85C
C909	20251830	Electric capacitor	1U0F +20% 50.0V 85C
C917	55178330	Electric capacitor	470U0F +20% 6.3V 85C
SW91	55145270	Switch tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW92	55145270	Switch tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW93	55145270	Switch tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW94	55145270	Switch tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW95	55145270	Switch tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW96	55145270	Switch tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW97	55145270	Switch tact	50MI0A 12.0V 500MI0OHM 1T 1P
SW98	55145270	Switch tact	50MI0A 12.0V 500MI0OHM 1T 1P

#### OUTPUT TERMINAL PC BOARD

CIRCUIT NO.	PART NO.	PART NAME	DESCRIPTION
C830	20269180	Electric capacitor	1MI0F +20% 6.3V 85C
CN81	55317960	Socket AS	12P 60MM UL1007 PVC DISCRETE 26 12

CN83	55455960	Socket AS	2.0MM 12P 100MM UL1533 SHIELD 26 1
CP81	55455860	Connector AS	1.25MM 17 FE ST WH GF120-17S-TS 0 0
CP82	55124600	Connector AS	1.25MM 19 FE ST WH GF120-19S-TS 2794 A6
CP83	55090070	Connector AS	2.0MM 2 MA ST NAT LW2002P0200T 0 0
D805	20415050	Diode	1N4002 100.0V 1A
IC84	55164740	Terminal	GPIF32T RD RND CL
IC85	55491690	IC	KIA7805AP NORMAL
J873	70436540	Diode	1N4148 100.0V 150E-3A
JK81	55164750	Terminal	W/GN 1 PINS
JK82	55175260	Terminal	RCA 2P W/GND CAP JE020059PN
JK83	55191220	Terminal	MIX SOCKET RCA & S-VIDEO
JK84	55149420	Terminal	RCA-314P RBG
D801	55171070	Diode Zener	UDZS 2.2 B 2.4V 200MI0W
D804	20496510	Diode	1SS355 35.0V 225MI0A
D810	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D811	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D812	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D813	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D814	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D815	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D816	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D817	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D818	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D819	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D820	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
D821	55177710	Diode Zener	UDZS 5.1 B 5.1V 200MI0W
IC81	55291470	IC	WM8728 D/A
IC82	55128990	IC	BA4560F DUAL OP
L801	10328750	Coil	OHM +0% 62MI5W
L802	10134710	Coil	75R0 OHM +5% 62MI5W
L803	10134710	Coil	75R0 OHM +5% 62MI5W
L804	10134710	Coil	75R0 OHM +5% 62MI5W
L812	10328750	Coil	0 OHM +0% 62MI5W
L813	10328750	Coil	0 OHM +0% 62MI5W
Q801	20970460	Transistor	KTC3875Y N 50V 150MI0A
Q802	20970480	Transistor	KTA1504Y P -50V -150MI0A
Q803	55039430	Transistor	DTC323TK N 2K2 OHM
Q804	55133190	Transistor	DTA114YKA P 10K0 OHM 47K0 OHM
Q805	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q811	55039430	Transistor	DTC323TK N 2K2 OHM
C802	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C805	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C807	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C809	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C811	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C814	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C816	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C819	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C820	20268840	Electric capacitor	1U0F +20% 50.0V 85C
C825	20269110	Electric capacitor	330U0F +20% 6.3V 85C
C831	20268840	Electric capacitor	1U0F +20% 50.0V 85C
C832	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C834	20267830	Electric capacitor	47U0F +20% 16.0V 85C
C836	20252650	Electric capacitor	220U0F +20% 16.0V 85C



**PROGRESSIVE SCAN CIRCUIT PC BOARD**

CIRCUIT NO.	PART NO.	PART NAME	DESCRIPTION
BK10	55176420	Bracket	
CP10	55090100	Connector	2.0MM 12 MA ST NAT LW2002P12 0 0
CP11	55209230	Connector	1.25MM 35 FE ST BK GF120-35S-TS 0 0
GND A	55135980	Terminal	LUG GND
VR11	55307870	Semi fix resistor	PR 200R0 OHM +30% 100MI0W
D101	20496510	Diode	1SS355 35.0V 225MI0A
D102	20496510	Diode	1SS355 35.0V 225MI0A
IC11	55388940	IC	PM0026A LQFP80 PIONEER VIDEO PROCESSOR
IC12	55389040	IC	MM1568AJBE SSOP34A MITSUMI AMPLIFIER&DRIVER
IC14	15178670	IC	74HC86 GATE HCMOS
IC15	20997870	IC	MC74HC74AD DUAL-D FLIP FLOP
Q101	55133190	Transistor	DTA114YKA P 10K0 OHM 47K0 OHM
Q102	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q103	20970460	Transistor	KTC3875Y N 50V 150MI0A
Q10B	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q10G	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q10R	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q11B	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q11G	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q11R	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q12B	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q12G	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q12R	55388740	Transistor	KTN2222AS P 40V -600MI0A
Q13B	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q13G	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q13R	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q14B	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q14G	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q14R	55133180	Transistor	DTC114YKA N 10K0 OHM 47K0 OHM
Q15B	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q15G	55137830	Transistor	KTN2907AS N 50V -600MI0A
Q15R	55137830	Transistor	KTN2907AS N 50V -600MI0A
C104	20268940	Electric capacitor	100U0F +20% 10.0V 85C
C106	20251930	Electric capacitor	22U0F +20% 16.0V 85C
C10B	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C10G	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C10R	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C115	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C117	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C11B	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C11G	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C11R	15002130	Electric capacitor	10U0F +20% 16.0V 85C
C122	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C124	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C12B	20268840	Electric capacitor	1U0F +20% 50.0V 85C
C12R	20268840	Electric capacitor	1U0F +20% 50.0V 85C
C135	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C13B	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C13G	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C13R	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C13S	20269020	Electric capacitor	100U0F +20% 16.0V 85C

C13Y	20269020	Electric capacitor	100U0F +20% 16.0V 85C
C14B	20251930	Electric capacitor	22U0F +20% 16.0V 85C
C14G	20251930	Electric capacitor	22U0F +20% 16.0V 85C
C14R	20251930	Electric capacitor	22U0F +20% 16.0V 85C
C14S	20251930	Electric capacitor	22U0F +20% 16.0V 85C
C14Y	20251930	Electric capacitor	22U0F +20% 16.0V 85C
IC13	15069010	IC	IC-REGSPECKT TL431

## PACKING VIEW PARTS LIST

Loc. No	PART NO.	DESCRIPTION
1		DV-SP300 UDD
2		DV-SP300 UUS
5	55169520	POLY BAG 820MM X 820MM
6	55366390	PAD LEFT
7	20194780	CABLE-TIE
8	20715540	POLY BAG 70MM X 250MM
9	55366290	PAD RIGHT
10	55208740	CUSHION 80.0MM X 35.0MM
11	55378730	CARTON BOX <UDD>
	55452060	CARTON BOX <UUS>
12	55170650	POLY BAG 60MM X 410MM
13	55176530	AUDIO-CABLE STEREO
14	55186190	AUDIO-CABLE MONO
15	55236070	AC ADAPTOR
16	3010054	BATTREY 1.5V AAA 1.15 AH
17	55445510	REMOTECONTROLLER RC-501DV W/O BATTERY
18	55511980	WARRANTY CARD
19	55383380	INSTRUCTION MANUAL