

# Service Manual

AUTOMOTIVE AFTERMARKET

## CN-NVD905U

Dual DIN in-dash HDD Mobile Navigation System with 7" Widescreen Color LCD Monitor/DVD Receiver



### **⚠ WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

### **IMPORTANT SAFETY NOTICE**

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

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# 1 Service Navigation

## 1.1. About Lead Free Solder (PbF)

### Distinction of PbF PCB :

- PCBs (manufactured) using lead free solder will have a PbF stamp on the PCB.

### Caution :

- Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. Please use a soldering iron with temperature control and adjust it to 700 ± 20°F (370 ± 10°C). In case of using high temperature soldering iron, please be careful not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C)
- This lead free solder will be used for the products after serial No. 1,000,001.

## 1.2. Laser Products

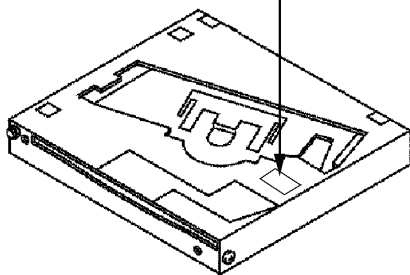
### CAUTION:

This product utilizes a laser diode with the unit turned "on", laser radiation is emitted from the pickup lens.

Laser radiation from the pickup lens is safety level, but be sure the followings:

1. Do not disassemble the optical pickup unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pickup unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pickup lens for a long time.

**DANGER!** Visible and invisible laser radiation when open. Avoid direct exposure to beam.



Deck Ass'y (Upper Side)

### 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.

## 1.3. Replacing the Fuse

Use fuses of the same specified rating 15 amps. Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

## 1.4. Maintenance

Your product is designed and manufactured to ensure a minimum of maintenance. Use a dry, a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

## 1.5. Notes

### [RADIO BLOCK]

Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.

### [DVD DECK BLOCK]

This model has no servo alignment points because microcomputer controls the servo circuit.

## 2 Specifications

### 2.1. Specifications\*

#### General

Power Supply	DC 12V (11V - 16V) Test Voltage 14.4V Negative Ground
Current Consumption	Less than 10A
Maximum Power Output	50W × 4ch
Compatible speaker impedance	4Ω
Video input signal	NTSC1.0 Vp-p (75Ω RCA pin jack)
Audio input sensitivity	Stereo 2.0 Vrms (RCA pin jack)
Camera input	NTSC1.0 Vp-p (75Ω 5Pin connector)
Video output signal	NTSC1.0 Vp-p (75Ω RCA pin jack)
Pre-Amp output voltage	2.0 Vrms
Pre-amp Output impedance	Less than 600 Ω
Dimensions (W×H×D)**	178×100×165mm (7"×3-15/16"×6-1/2")
Weight**	3.1 kg (6 lbs. 14 oz)

#### Audio section

Output voltage/Impedance	2.0 Vrms/600Ω
Frequency characteristics	20 Hz -20 kHz (±1 dB)
Front L/R, Center, Rear L/R	
Distortion	0.01 % (1kHz, 0dB, PCM input)
Dynamic range	96 dB
S/N Ratio	100dB

#### FM tuner

Frequency Range	87.7 MHz - 107.9 MHz
Usable Sensitivity	12.2 dBf
S/N Ratio	63 dB
Stereo Separation	40 dB (at 1 kHz)

#### AM tuner

Frequency Range	530 kHz - 1710 kHz
Usable Sensitivity (S/N Ratio 20dB)	26 dB/μV
Image Rejection Ratio	50 dB

#### Monitor

Liquid crystal panel	7" wide
Screen dimensions (W × H × D)	156 × 82 × 176 mm {6 1/8" × 3 3/16" × 6 7/8"}
Number of pixels	336 960 pixels (234 vertical × 480 horizontal × 3)
Valid pixel ratio	Over 99.99 %
Display method	Transparent color filter format
Drive method	TFT (Thin Film Transistor) active matrix format
Light source	Internal light (Built-in small fluorescent lamp)
Touch Panel	Pressure-sensitive touch panel, analog type (film & glass)

#### GPS antenna

Type	Microstrip
Cord length	6 m
Dimensions (W×H×D)	30.4×11.7×35.5mm (1-13/64"×15/32"×1-13/32")
Weight (Including cord)	113g (4 oz)

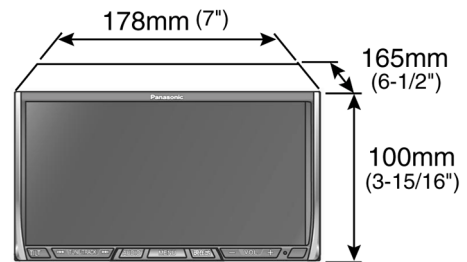
Frequency Range	1,575.42MHz (C/A cord)
Receiving Sensitivity	-130 dBm
Receiving method	Parallel 8 ch

\* Specifications and the design are subject to possible modification without notice due to improvements.

\*\* Dimensions and Weight shown are approximate.

\*\* Above specifications comply with EIA standards.

### 2.2. Dimensions



# 3 Features

- High performance Navigation
  - Near the intersection
  - Add a destination
  - Detour routes
  - Autoroute
- Easy to use
  - High usability and easy understand GUI
    - Navigation menu
    - Destination menu
    - Information menu
    - Setup menu
- AV features
  - Various AV sources
    - DVD/ CD/ MP3/ WMA/ FM/ AM
  - Expansion Module (The optional Hub unit: CY-EM100U)
  - Connectable Optional devices
    - Controllable iPod/software version (Feb., 2007)
      - 3rd generation iPod/ver. 2.2 - 2.3
      - 4th generation iPod/ver. 3.0.2 - 3.1
      - 5th generation iPod/ver. 1.0
      - (Video and photos cannot be displayed.)
      - iPod Photo/ver. 1.0 - 1.2
      - (Photos cannot be displayed.)
      - iPod mini/ver. 1.2 - 1.4
      - iPod nano/ver. 1.0
    - Direct cable for iPod (CA-DC300U, option)
    - Optional XM Satellite Radio Tuner (XMD1000)
    - Optional Digital Adapter Cable (XMDPAN110)
    - Optional SIRIUS Satellite Radio Tuner (SIR-PAN1)
    - Bluetooth hands-free kit (CY-BT100U, option)
    - Over-Head monitor (CY-VHD9401U, option)
    - TV tuner (CY-TUN153U, option)
    - Rear view camera



# 4 Technical Descriptions

## 4.1. Terminals Description

### 4.1.1. Main Block

IC600 : C2DBYY000215

Pin No	Port	Description	I/O	Vol [V]					
				FM	AM	CD	DV D	NA VI	TV
1	NAVI DET	Pulled up	-	5.0	5.0	5.0	5.0	5.0	5.0
2	RD CLK	Not connected	-	-	-	-	-	-	-
3	MD SO (MI)	Pulled up	-	4.6	4.6	0.3	0.3	0.3	0.3
4	MD SI (MO)	Not connected	-	-	-	-	-	-	-
5	MD CLK	Not connected	-	-	-	-	-	-	-
6	EVDD	+5V power supply	-	5	5	5	5	5	5
7	EVSS	Ground	-	0	0	0	0	0	0
8	MD RST	Not connected	-	-	-	-	-	-	-
9	MD ON	Not connected	-	-	-	-	-	-	-
10	MD V CNT	Not connected	-	-	-	-	-	-	-
11	MD 8V CNT	Not connected	-	-	-	-	-	-	-
12	EEP SO	Serial data from EEPROM	I	0	0	0	0	0	0
13	EEP SI	Serial data to EEPROM	O	0	0	0	0	0	0
14	EEP SK	Serial clock for EEPROM	O	0	0	0	0	0	0
15	EEP CS	Chip select of EEPROM	O	0	0	0	0	0	0
16	NC	Not connected	-	-	-	-	-	-	-
17	NC	Not connected	-	-	-	-	-	-	-
18	VPP	VPP for Flash writer	-	0	0	0	0	0	0
19	PLL DI	Serial data to tuner PLL	O	5.0	5.0	5.0	5.0	5.0	5.0
20	PLL CLK	Clock for serial data bus	O	5.0	5.0	5.0	5.0	5.0	5.0
21	PLL DO	Tuned station detection	I	-	-	-	-	-	-
22	SWF1 SEL	Frequency shift selection for DC/DC converters 1	O	0	0	0	0	0	0
23	SWF2 SEL	Frequency shift selection for DC/DC converters 2	O	0	0	0	0	0	0
24	LED CNT	Panel LEDs control	O	5.0	5.0	5.0	5.0	5.0	5.0
25	LED2 CNT	Not connected	-	-	-	-	-	-	-
26	CAMP CNT	Not connected	-	-	-	-	-	-	-
27	EX AMP CNT	External amplifier power supply control	O	5.0	5.0	5.0	5.0	5.0	5.0
28	AMP CNT	Power amplifier control	O	5.0	5.0	5.0	5.0	5.0	5.0
29	AMP MUTE	Mute for Power amplifier	O	0	0	0	0	0	0
30	AMP DET	Anomalous DC offset detection of Power amplifier	I	0	0	0	0	0	0
31	RESET	Reset	I	5.0	5.0	5.0	5.0	5.0	5.0
32	XT1	Ground	-	0	0	0	0	0	0
33	XT2	Not connected	-	-	-	-	-	-	-
34	REGC	Connected to capacitor	-	3.3	3.3	3.3	3.3	3.3	3.3
35	X2	Crystal OSC (16.8MHz)	-	1.5	1.5	1.5	1.5	1.5	1.5

Pin No	Port	Description	I/O	Vol [V]					
				FM	AM	CD	DV D	NA VI	TV
36	XA	Crystal OSC (16.8MHz)	-	1.4	1.4	1.4	1.4	1.4	1.4
37	VSS	Ground	-	0	0	0	0	0	0
38	VDD	+5V power supply	-	5.0	5.0	5.0	5.0	5.0	5.0
39	CLK OUT	Not connected	-	-	-	-	-	-	-
40	ANT CONT	Antenna power supply control	O	5.0	5.0	5.0	5.0	5.0	5.0
41	TFT NMI	Power control in TFT PCB	O	5.0	5.0	5.0	5.0	5.0	5.0
42	MAIN CNT	Main power control	O	4.9	4.9	4.9	4.9	4.9	4.9
43	MDC PWR	Power control for Panel motor	O	5.0	5.0	5.0	5.0	5.0	5.0
44	MA	Panel motor control (Forward)	O	0	0	0	0	0	0
45	MB	Panel motor control (Reverse)	O	0	0	0	0	0	0
46	MC	Not connected	-	-	-	-	-	-	-
47	NC	Not connected	-	-	-	-	-	-	-
48	NC	Not connected	-	-	-	-	-	-	-
49	NC	Not connected	-	-	-	-	-	-	-
50	NC	Not connected	-	-	-	-	-	-	-
51	NC	Not connected	-	-	-	-	-	-	-
52	NC	Not connected	-	-	-	-	-	-	-
53	NC	Not connected	-	-	-	-	-	-	-
54	PLL CE	Not connected	-	-	-	-	-	-	-
55	BVDD	+5V power supply	-	5.0	5.0	5.0	5.0	5.0	5.0
56	BVSS	Ground	-	0	0	0	0	0	0
57	NC	Not connected	-	-	-	-	-	-	-
58	NC	Not connected	-	-	-	-	-	-	-
59	NC	Not connected	-	-	-	-	-	-	-
60	AF MUTE	Audio mute	O	0	0	0	0	0	0
61	FMM CNT	Not connected	-	-	-	-	-	-	-
62	FMM CE	Not connected	-	-	-	-	-	-	-
63	FMM MUTE	Not connected	-	-	-	-	-	-	-
64	FMM CLK	Not connected	-	-	-	-	-	-	-
65	FMM DATA	Not connected	-	-	-	-	-	-	-
66	NC	Not connected	-	-	-	-	-	-	-
67	ASEL0	Analog audio line selection 0	O	0	0	0	0	0	0
68	ASEL1	Analog audio line selection 1	O	0	0	0	0	0	0
69	NC	Not connected	-	-	-	-	-	-	-
70	NC	Not connected	-	-	-	-	-	-	-
71	AVDD	+5V power supply	-	5.0	5.0	5.0	5.0	5.0	5.0
72	AVSS	Ground	-	0	0	0	0	0	0
73	AVREF	+5V power supply	-	5.0	5.0	5.0	5.0	5.0	5.0
74	SD	Signal level of AM and FM	I	0	0	0	0	0	0
75	INITIAL A	Pulled up	-	5.0	5.0	5.0	5.0	5.0	5.0
76	NOISE	Tuner noise detection	I	0	0	0	0	0	0
77	BATT SENS	Battery level check	I	4.9	4.9	4.9	4.9	4.9	4.9
78	T/O KEY	Tilt/Open key detection	I	5.0	5.0	5.0	5.0	5.0	5.0
79	P SENSOR	Position sensor of TFT panel	I	0.1	0.8	0.8	0.8	0.8	0.8
80	L/R KEY	Track up/down key detection	I	4.9	4.9	4.9	4.9	4.9	4.9
81	U/D KEY	Pulled down	-	0	0	0	0	0	0
82	ACC SENS	ACC level check	I	4.9	4.9	4.9	4.9	4.9	4.9
83	ST	FM stereo detection	I	5.0	5.0	5.0	5.0	5.0	5.0

Pin No	Port	Description	I/O	Vol [V]					
				FM	AM	CD	DV D	NA VI	TV
84	MU/BA KEY	Pulled down	-	0	0	0	0	0	0
85	THM	Temperature check	I	2.6	2.6	2.6	2.6	2.6	2.6
86	SD IN1	From SD card	I	5.0	5.0	5.0	5.0	5.0	5.0
87	SD IN2	From SD card	I	5.0	5.0	5.0	5.0	5.0	5.0
88	PUSLE	Pulled down	-	0	0	0	0	0	0
89	MD EJECT	Pulled up	-	4.9	4.9	4.9	5.0	5.0	5.0
90	VR A	Pulled up	-	5.0	5.0	5.0	5.0	5.0	5.0
91	VR B	Pulled up	-	5.0	5.0	5.0	5.0	5.0	5.0
92	NC	Not connected	-	-	-	-	-	-	-
93	LCD CE	Not connected	-	-	-	-	-	-	-
94	DI	Serial data from Flash writer	I	0	0	0	0	0	0
95	DO	Serial data to Flash writer	O	5.0	5.0	5.0	5.0	5.0	5.0
96	CLK	Serial clock of Flash writer	O	5.0	5.0	5.0	5.0	5.0	5.0
97	SO RX	Serial data from NAVI PCB	I	5.0	5.0	5.0	5.0	5.0	5.0
98	SO TX	Serial data to NAVI PCB	O	5.0	5.0	5.0	5.0	5.0	5.0
99	RD SD	Tuned station detection	I	5.0	5.0	5.0	5.0	5.0	5.0
100	RD SDA	Not connected	-	-	-	-	-	-	-

#### 4.1.2. Sub Block

##### IC503 : C2BBGF000764

Pin No	Port	Description	I/O	Vol [V]					
				FM	AM	CD	DV D	NA VI	TV
1	P15	Test terminal	-	0	0	0	0	0	0
2	P16	Test terminal	-	5.1	5.1	5.1	5.1	5.1	5.1
3	TILT	OPEN key detection	I	5.0	5.0	5.0	5.0	5.0	5.0
4	AVSS	Ground	-	0	0	0	0	0	0
5	P130	Not connected	-	-	-	-	-	-	-
6	ST DET	-	-	3.8	3.8	3.8	3.8	3.8	3.8
7	AVREF1	+5V power supply	-	5.1	5.1	5.1	5.1	5.1	5.1
8	SI2	Serial data from Digital audio	I	5.0	5.0	5.0	5.0	5.0	5.0
9	DAI SO	Serial data to Digital audio	O	0	0	0	0	0	0
10	DAI CLK	Clock for serial data bus	O	5.0	5.0	5.0	5.0	5.0	5.0
11	KO RXD	Serial data from NAVI PCB	I	5.1	5.1	5.1	5.1	5.1	5.1
12	KO TXD	Serial data to NAVI PCB	O	0	0	0	0	0	0
13	KO CLK2	Clock for serial data bus	I/O	5.1	5.1	5.1	5.1	5.1	5.1
14	CODC RQ	CODEC (IC500) request	O	5.0	5.0	5.0	5.0	5.0	5.0
15	P24	FRAM chip selection	O	5.0	5.0	5.0	5.0	5.0	5.0
16	SI0	Serial data from FRAM	I	0	0	0	0	0	0
17	SO0	Serial data to FRAM	O	0	0	0	0	0	0
18	SCK0	Clock for FRAM	O	5.0	5.0	5.0	5.0	5.0	5.0
19	P40	Not connected	-	-	-	-	-	-	-
20	SYS PWR	System power control	O	5.0	5.0	5.0	5.0	5.0	5.0
21	DCDC INTRES	CODEC (IC500) initial reset	O	5.0	5.0	5.0	5.0	5.0	5.0
22	DCDC SYSRES	CODEC (IC500) system reset	O	5.0	5.0	5.0	5.0	5.0	5.0
23	P44	Not connected	-	-	-	-	-	-	-

Pin No	Port	Description	I/O	Vol [V]					
				FM	AM	CD	DV D	NA VI	TV
24	P45	Not connected	-	-	-	-	-	-	-
25	P46	Not connected	-	-	-	-	-	-	-
26	P47	Not connected	-	-	-	-	-	-	-
27	DIR CS	DIR (IC504) chip select	O	5.0	5.0	5.0	5.0	5.0	5.0
28	DIR PDN	DIR (IC504) power-down control	O	5.0	5.0	5.0	5.0	5.0	5.0
29	P52	Not connected	-	-	-	-	-	-	-
30	P53	Not connected	-	-	-	-	-	-	-
31	P54	Not connected	-	-	-	-	-	-	-
32	P55	Not connected	-	-	-	-	-	-	-
33	VSS1	Ground	-	0	0	0	0	0	0
34	P56	Not connected	-	-	-	-	-	-	-
35	SYS MUTE	System mute	O	0	0	0	0	0	0
36	P60	Not connected	-	-	-	-	-	-	-
37	P61	Not connected	-	-	-	-	-	-	-
38	P62	Reset for beacon system	O	5.0	5.0	5.0	5.0	5.0	5.0
39	P63	Not connected	-	-	-	-	-	-	-
40	P64	Not connected	-	-	-	-	-	-	-
41	P65	Not connected	-	-	-	-	-	-	-
42	P66	Not connected	-	-	-	-	-	-	-
43	P67	Not connected	-	-	-	-	-	-	-
44	FV SEL0	Front video selection 0	O	0	0	0	0	0	5.0
45	FV SEL1	Front video selection 1	O	0	0	0	0	0	0
46	FV SEL2	Front video selection 2	O	5.0	5.0	0	0	5.0	0
47	RV SEL0	Rear video selection 0	O	0	0	0	0	0	5.0
48	RV SEL1	Rear video selection 1	O	0	0	0	0	0	0
49	RV SEL2	Rear video selection 2	O	5.0	5.0	0	0	5.0	0
50	SPD CNT	Vehicle speed detection control	O	0	0	0	0	0	0
51	SPD DET	-	I	5.0	5.0	5.0	5.0	5.0	5.0
52	SPD SEL	-	O	0	0	0	0	0	0
53	RSE OFF	-	O	5.0	5.0	5.0	5.0	5.0	5.0
54	IRDA DET	Pulled up	-	5.0	5.0	5.0	5.0	5.0	5.0
55	P123	Not connected	-	-	-	-	-	-	-
56	LEDON	-	O	5.0	5.0	5.0	5.0	5.0	5.0
57	PKB OUT	Parking brake detection	I	0	0	5.0	5.0	5.0	5.0
58	P126	Not connected	-	-	-	-	-	-	-
59	SD	-	-	0	0	0	0	0	0
60	RESET	Reset	I	5.0	5.0	5.0	5.0	5.0	5.0
61	SEP VS0	Separated vertical sync.	I	5.0	5.0	5.0	5.0	5.0	5.0
62	STBREM OUT	STB (Set Top Box) remote control	I	0	0	0	0	0	0
63	INTREQ	Interrupt request	I	5.1	5.1	5.1	5.1	5.1	5.1
64	+B DET	Battery level check	I	5.1	5.1	5.1	5.1	5.1	5.1
65	ACC DET	ACC detection	I	4.0	4.0	4.0	4.0	4.0	4.0
66	P05	Error detection of unlocked PLL	I	5.0	5.0	5.0	5.0	5.0	5.0
67	VSS0	Ground	-	0	0	0	0	0	0
68	VDD1	+5V power supply	-	5.0	5.0	5.0	5.0	5.0	5.0
69	X2	Crystal OSC (4.9152MHz)	I	2.9	2.9	2.9	2.9	2.9	2.9
70	X1	Crystal OSC (4.9152MHz)	I	2.7	2.7	2.7	2.7	2.7	2.7
71	IC	Pulled down	-	0	0	0	0	0	0
72	XT2	Not connected	-	-	-	-	-	-	-
73	XT1	Ground	-	0	0	0	0	0	0
74	VDD0	+5V power supply	-	5.0	5.0	5.0	5.0	5.0	5.0
75	AVREF0	+5V power supply	-	5.0	5.0	5.0	5.0	5.0	5.0
76	VOUT2	-	I	0	0	0	0	0	0
77	ANI1	Not connected	-	-	-	-	-	-	-

Pin No	Port	Description	I/O	Vol [V]						
				FM	AM	CD	DV D	NA VI	TV	
78	P12	Switched battery power supply	I	2.7	2.7	2.7	2.7	2.7	2.7	
79	P13	Test terminal	-	0	0	0	0	0	0	
80	P14	Test terminal	-	0	0	0	0	0	0	

### 4.1.3. TFT Block

IC407 : C2BBFD000652

Pin No.	Port	Description	I/O
1	VCC	+5V power supply	-
2	VREF	+5V power supply	-
3	AVSS	Ground	-
4	BL CNT	TFT backlight control	O
5	HPOS1	Horizontal display positive select 1	O
6	HPOS2	Horizontal display positive select 2	O
7	I2C DO	Serial data to EEPROM	O
8	WP	Write protect for EEPROM	O
9	INTEXT	Internal or External for Flash writer	O
10	MODE	Mode control for Flash writer	
11	TXD	Serial data to NAVI PCB	O
12	RXD	Serial data from NAVI PCB	I
13	I2C DI	Serial data in TFT PCB	I
14	I2C CLK	Serial clock in TFT PCB	O
15	CNVSS	CNVSS from Flash writer	I
16	TOUCH SW	Touch switch control	O
17	NC	Not connected	-
18	RESET	Reset	I
19	XIN	Crystal OSC	I
20	XOUT	Crystal OSC	O
21	VSS	Ground	-
22	BL ON	Backlight power control	O
23	ZOOM	Not connected	-
24	SIDE	Not connected	-
25	JUST	Not connected	-
26	X+	X-axis control for Touch panel	O
27	X-	X-axis control for Touch panel	O
28	Y+	Y-axis control for Touch panel	O
29	Y-	Y-axis control for Touch panel	O
30	LED	TFT mode control	O
31	TILT LED	TFT mode control	O
32	POW KEY	Not connected	-
33	VOL+ KEY	Volume-up key detection	I
34	VOL- KEY	Volume-down key detection	I
35	MENU KEY	Map key detection	I
36	AUDIO KEY	Source key detection	I
37	GENZ KEY	Navigation key detection	I
38	DIM	Pulled down	-
39	XR	X-axis detection of Touch panel	I
40	XG	X-axis detection of Touch panel	I
41	YR	Y-axis detection of Touch panel	I
42	YG	Y-axis detection of Touch panel	I

#### 4.1.4. DVD Servo Block

IC501 : C1A00002402

Pin No	Port	Description	I/O	(V)
1	VDDIO	I/O pad power (3.3V)	-	3.3
2	MD10	SDRAM data bus	I/O	0
3	MD11	SDRAM data bus	I/O	0.6
4	VDD	Core power (1.8V)	-	1.8
5	MD12	SDRAM data bus	I/O	0
6	VSSIO	I/O pad ground	-	0
7	MD13	SDRAM data bus	I/O	0.7
8	MD14	SDRAM data bus	I/O	0.5
9	MD15	SDRAM data bus	I/O	0
10	VDDIO	I/O pad power (3.3V)	-	3.3
11	/DQM1	SDRAM data byte enable	O	0
12	MA9	SDRAM address bus	O	0
13	MA8	SDRAM address bus	O	0
14	VSSIO	I/O pad ground	-	0
15	MA7	SDRAM address bus	O	2.3
16	MA6	SDRAM address bus	O	1.9
17	VSS	Core ground	-	0
18	MA5	SDRAM address bus	O	1.1
19	VDDIO	I/O pad power (3.3V)	-	3.3
20	MA4	SDRAM address bus	O	2
21	MA3	SDRAM address bus	O	2.3
22	MCLK	SDRAM clock	O	1.7
23	VSSIO	I/O pad ground	-	0
24	CKE	SDRAM clock enable	O	3.3
25	MA2	SDRAM address bus	O	2.3
26	MA1	SDRAM address bus	O	1
27	VDDIO	I/O pad power (3.3V)	-	3.3
28	MA0	SDRAM address bus	O	1
29	MA10	SDRAM address bus	O	0
30	MA11	Not used	-	-
31	VSSIO	I/O pad ground	-	0
32	MA12	SDRAM address bus	O	2.1
33	MA13	SDRAM address bus	O	2.1
34	VDD	Core power (1.8V)	-	1.8
35	/CS0	SDRAM primary bank chip select	O	2.7
36	VDDIO	I/O pad power (3.3V)	-	3.3
37	/RAS	SDRAM command bit	O	3.1
38	/CAS	SDRAM command bit	O	2.9
39	/WE	SDRAM command bit	O	3.2
40	VSSIO	I/O pad ground	-	0
41	/DQM0	SDRAM data byte enable	O	0
42	/DQM2	SDRAM data byte enable	O	0
43	MD16	SDRAM data bus	I/O	0.5
44	VDDIO	I/O pad power (3.3V)	-	3.3
45	MD17	SDRAM data bus	I/O	0.5
46	MD18	SDRAM data bus	I/O	0.5
47	VSS	Core ground	-	0
48	MD19	SDRAM data bus	I/O	0.7
49	VSSIO	I/O pad ground	-	0
50	MD20	SDRAM data bus	I/O	0
51	MD21	SDRAM data bus	I/O	1.5
52	MD22	SDRAM data bus	I/O	1
53	VDDIO	I/O pad power (3.3V)	-	3.3
54	MD23	SDRAM data bus	I/O	0
55	MD24	SDRAM data bus	I/O	0.5
56	MD25	SDRAM data bus	I/O	0.5
57	VSSIO	I/O pad ground	-	0
58	MD26	SDRAM data bus	I/O	0.5
59	MD27	SDRAM data bus	I/O	0.8
60	MD28	SDRAM data bus	I/O	0
61	MD29	SDRAM data bus	I/O	1
62	VDDIO	I/O pad power (3.3V)	-	3.3
63	MD30	SDRAM data bus	I/O	0.7

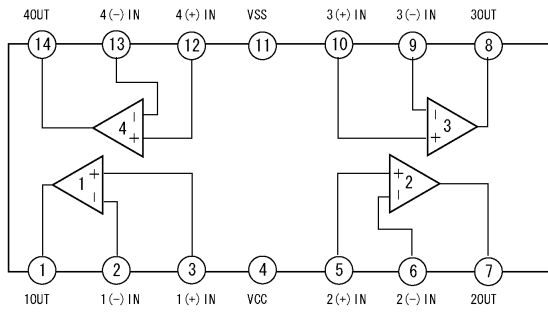
Pin No	Port	Description	I/O	(V)
64	MD31	SDRAM data bus	I/O	0.5
65	/DQM3	SDRAM data byte enable	O	0
66	/CS1	Not used	O	-
67	VSSIO	I/O pad ground	-	0
68	SPDIF	S/PDIF digital audio output	O	1.3
69	VSS	Core ground	-	0
70	AIN	Digital audio input for digital micro	I	3.3
71	AOUT3	Serial audio data (Left/Right CH)	O	0
72	AOUT2	Serial audio data (Center/LFE CH)	O	0
73	AOUT1	Serial audio data (Sound Left/Right CH)	O	0
74	AOUT0	Serial audio data (Left/Right CH)	O	0
75	VDDIO	I/O pad power (3.3V)	-	3.3
76	PCMCLK	Audio DAC PCM sampling clock	O	1.8
77	VDD	Core power (1.8V)	-	1.8
78	ACLK	Audio interface serial data clock	O	1.7
79	LRCLK	Left/Right channel clock	O	1.7
80	/SRST	Reset signal	O	3.3
81	/RSTP	Power on reset	I	3.3
82	VSSIO	I/O pad ground	-	0
83	RXD1	Not used	-	-
84	SSPIN1	SSP1 data in / UART1 16X clock	I/O	15
85	VSS	Core ground	-	0
86	SSPOUT1	SSP1 sata out / UART1 DTR	I/O	0
87	SSPCLK1	SSP1 clock / UART1 CTS	I/O	3.3
88	SSPCLK0	Not used	-	-
89	VDD	Core power (1.8V)	-	1.8
90	SSIN0	Not used	-	-
91	VDDIO	I/O pad power (3.3V)	-	3.3
92	SSPOUT0	Not used	-	-
93	TXD0	UART0 serial data	O	3.2
94	RXD0	UART0 serial data	I	3
95	/CTS0	Not used	-	-
96	/RTS0	Not used	-	-
97	VSSIO	I/O pad ground	-	0
98	CXI	Crystal Oscillator terminal	I	1.6
99	CXO	Not used	-	-
100	OSC VSS	Oscillator ground	-	0
101	OSC VDD	Oscillator power (1.8V)	-	1.8
102	MVCLVDD	Main/Video clock PLL power (3.3V)	-	3.3
103	SCEN	Not used	-	-
104	MVCKVSS	Main/Video clock PLL Ground	-	0
105	ACLKVSS	Audio clock PLL ground	-	0
106	SCMD	Not used	-	-
107	ACLKVDD	Audio clock PLL power	-	3.3
108	VDDDAC	DAC digital power (1.8V)	-	1.8
109	VSSDAC	DAC digital ground	-	0
110	CVBS2/CR/R	Composite Cr/Component Cr/SCART Red	O	0.5
111	IOM	Cascaded DAC differential output	O	1
112	C/CB/B	Chrominance/Component Cb/SCART Cb	O	0.7
113	VAA3	DAC analog power (3.3V)	-	3.3
114	Y/G	Luminance/SCART G	O	0.4
115	VSSA	DAC analog ground	-	0
116	VREF	Not used	-	-
117	VAA	-	-	1.8
118	CVBS/C	Composite/S-Video Chrominance	O	0.5
119	RSET	Current setting resistor connection	O	1.4
120	COMP	Compensation capacitor connection	O	2
121	VSS	Core ground	-	0

Pin No	Port	Description	I/O	(V)
122	VCLK	Not used	-	-
123	VSYNC	Not used	-	-
124	HSYNC	Not used	-	-
125	VDDIO	I/O pad power (3.3V)	-	3.4
126-131	VI07-02	Not used	-	-
132	VSSIO	I/O pad ground	-	0
133	Not used	-	-	
134	Not used	-	-	
135	VDD	Core power (1.8V)	-	1.9
136-139	AD31-28	Not used	-	-
140	VDDIO	I/O pad power (3.3V)	-	3.4
141-144	AD27-24	Not used	-	-
145	/PWE3	Not used	-	-
146	AD23	Not used	-	-
147	VSSIO	I/O pad ground	-	0
148-150	AD22-20	Not used	-	-
151-153	AD19-17	Address/Data bus	I/O	0
154	VDDIO	I/O pad power (3.3V)	-	3.4
155	AD16	Address/Data bus	I/O	0
156	/PWE2	Not used	-	-
157,158	AD15,14	Address/Data bus	I/O	0
159	VDD	Core power (1.8V)	-	1.9
160	SCLK	External bus clock	O	2.1
161	ACK	Programmable WAIT/ACK/RDY control	I	3.4
162	VSSIO	I/O pad ground	-	0
163-168	AD13-08	Address/Data bus	I/O	0
169	VDDIO	I/O pad power (3.3V)	-	3.4
170	/PWE1	Not used	-	-
171	VSS	Core ground	-	0
172-176	AD7-3	Address/Data bus	I/O	0
177	VSSIO	I/O pad ground	-	0
178-180	AD02-00	Address/Data bus	I/O	0
181	VDDIO	I/O pad power (3.3V)	-	3.4
182	/PWE0	Byte write enable	O	0
183	ALE	Address latch enable	O	0
184-187	LA0-3	Latch address	O	3.3
188	VSSIO	I/O pad ground	-	0
189	RD	Read signal	O	3.4
190	LHLDA	Not used	-	-
191	LHLD	Not used	-	-
192	VDD	Core power (1.8V)	-	1.9
193	/PCS0	Peripheral chip select 0	O	3.4
194	XI01	Not used	-	-
195	DACCS2	DAC output select 2	O	3.4
196	VDDIO	I/O pad power (3.3V)	-	3.4
197	DACCS1	DAC output select 1	O	3.4
198	NINTCPPM	Not used	-	-
199	CPMCS	Not used	-	-
200	XI06	Not used	-	-
201	VSS	Core ground	-	0
202	FRAMCS	FRAM chip selection	O	0
203	DACRST	DAC reset	O	0
204	VSSIO	I/O pad ground	-	0
205	FEPCS	Front End Pro. LSI chip select	O	3.4
206	FEPRST	Front End Pro. reset	O	3.4
207	SODCCS	SODC LSI chip selection	O	3.4
208	NINTHOST	HOST interrupt	I	3.4
209	NINTDDC	DDC interrupt	I	3.2
210	VDDIO	I/O pad power (3.3V)	-	3.4
211	NINTDSC	DSC interrupt	I	3.5
212	VDD	Core power (1.8V)	-	1.9
213	DSYNV	DVD parallel mode sector SYNC	I	3.4
214	DREQ	DVD parallel mode data request	O	3.4
215	DCLK	Data sampling clock	I	3.4
216	DSTB	Parallel mode data valid/Serial mode clock	I	0.7

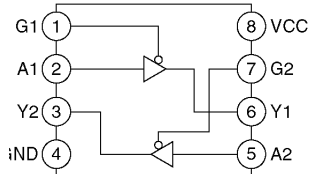
Pin No	Port	Description	I/O	(V)
217	DVD0	DVD drive parallel data port	I	0
218	VSSIO	I/O pad ground	-	0
219	DVD1	DVD drive parallel data port	I	0
220	DVD2	DVD drive parallel data port	I	0
221	DVD3	DVD drive parallel data port	I	3.4
222	DVD4	DVD drive parallel data port	I	0.8
223	DVD5	DVD drive parallel data port	I	0.8
224	VDDIO	I/O pad power (3.3V)	-	3.4
225	DVD6	DVD drive parallel data port	I	3.4
226	DVD7	DVD drive parallel data port	I	3.4
227	MD0	SDRAM data bus	I/O	0.5
228	VSSIO	I/O pad ground	-	0
229	MD1	SDRAM data bus	I/O	0
230	VSS	Core ground	-	0
231	MD2	SDRAM data bus	I/O	0.8
232	MD3	SDRAM data bus	I/O	0.8
233	VDDIO	I/O pad power (3.3V)	-	3.3
234	MD4	SDRAM data bus	I/O	3.3
235	MD5	SDRAM data bus	I/O	0
236	MD6	SDRAM data bus	I/O	0.8
237	VSSIO	I/O pad ground	-	0
238	MD7	SDRAM data bus	I/O	0
239	MD8	SDRAM data bus	I/O	0
240	MD9	SDRAM data bus	I/O	0

## 4.2. IC Block Diagram

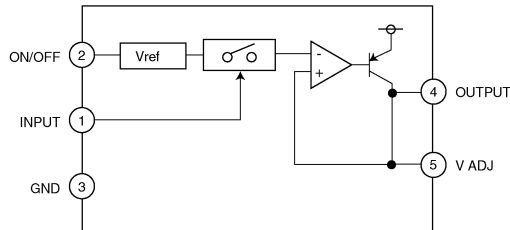
### 4.2.1. Main Block



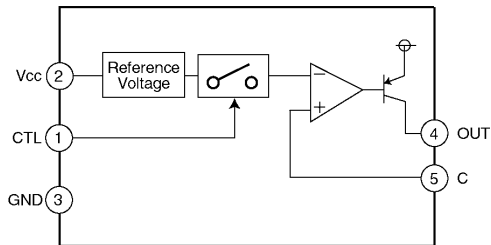
**IC51 : C0ABCB000077**



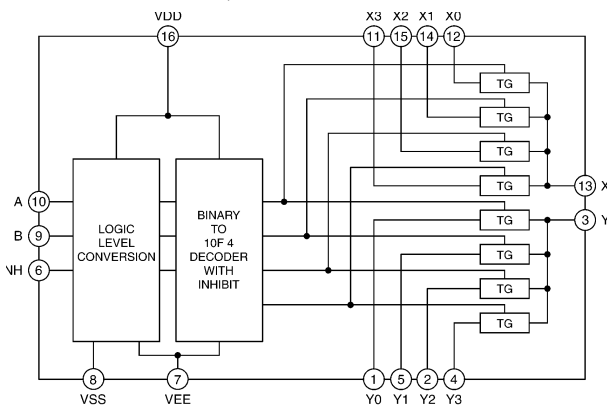
**IC106 : C0JBAZ002222**



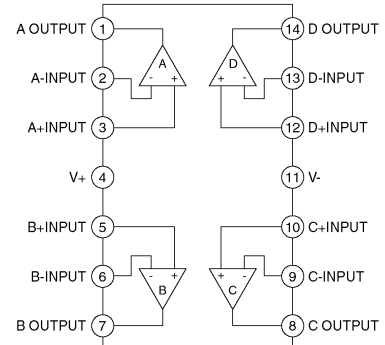
**IC109 : C0CAAYG00005**



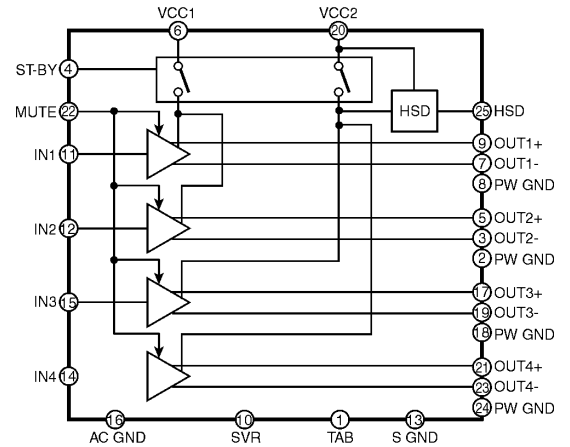
**IC181,720 : C0DBEKG00001**



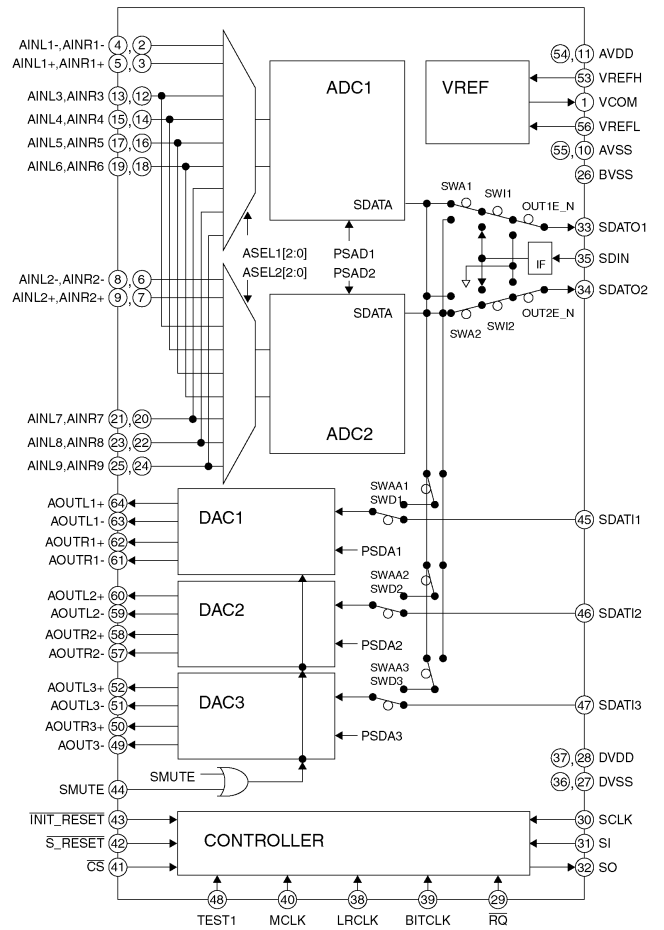
**IC200 : C0JBAR000367**



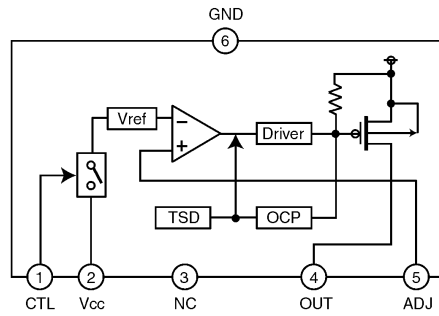
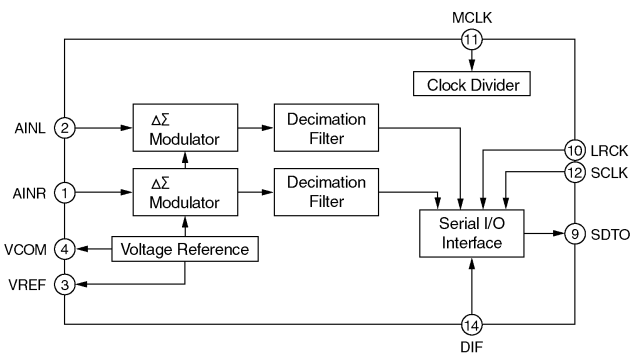
**IC201,506,507 : C0ABCB000051**



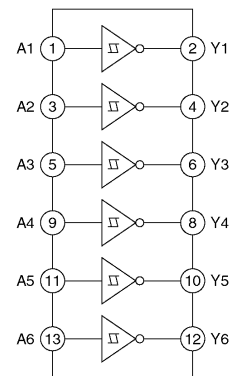
**IC300 : C1ZAZ0001450**



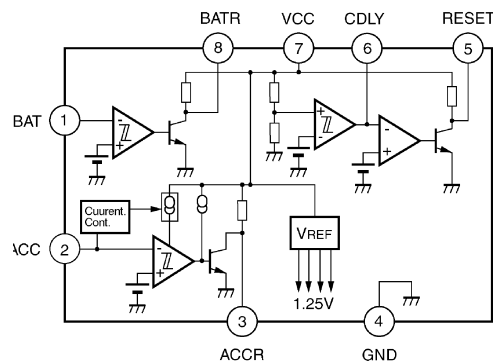
**IC500 : C0FBZK000010**



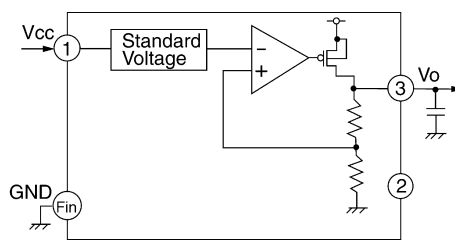
**IC511 : C0DBEGE00002**



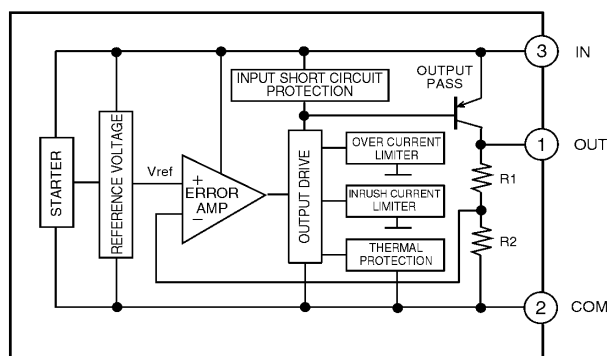
**IC660 : C0JBAB000888**



**IC700 : AN8065S-E1V**

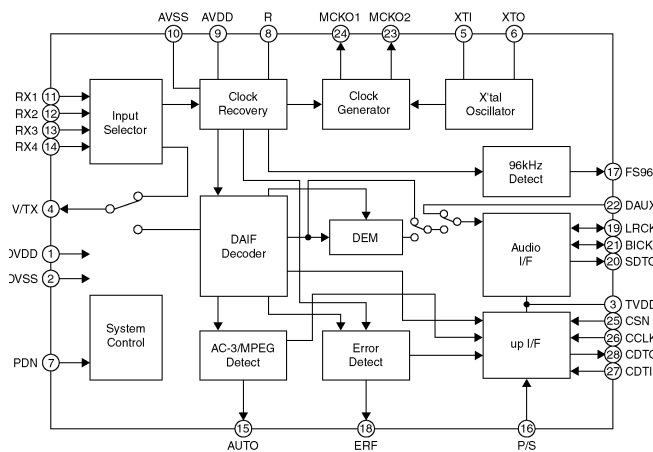


**IC710 : C1BB0000828**

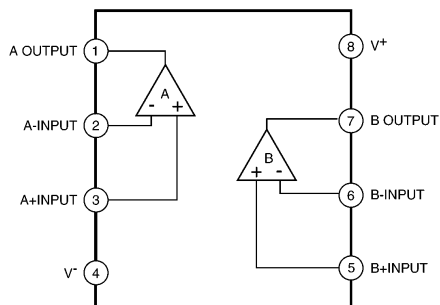


**IC715,752 : AN77L05M-E1**

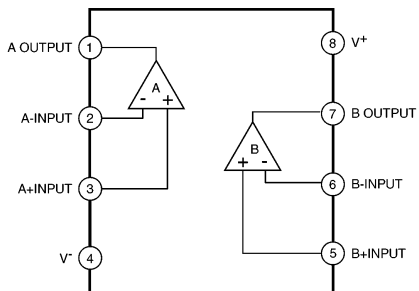
**IC503 : C0FBAK000003**



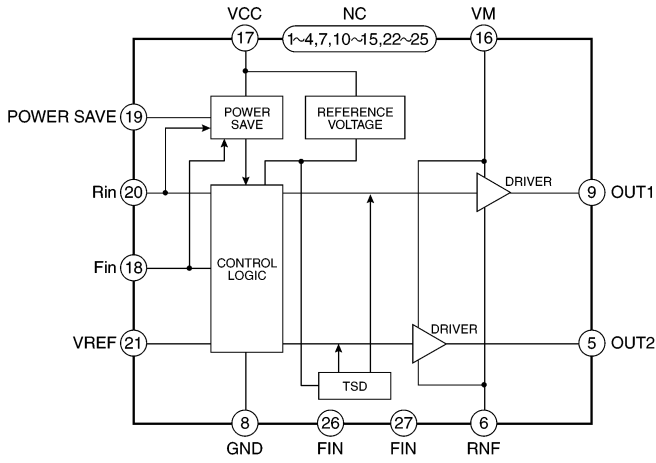
**IC504 : C1BB00000634**



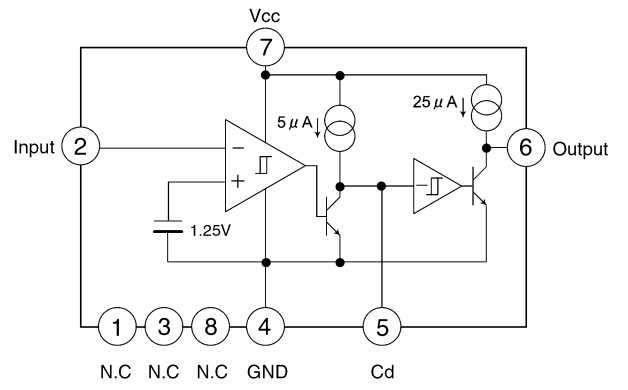
**IC505 : C0ABEB000066**



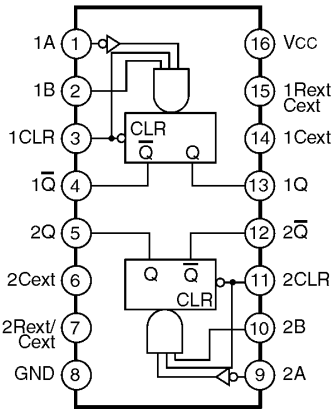
**IC508-510 : C0ABBB000263**



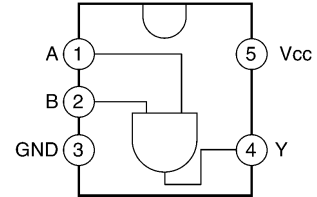
**IC1600 : C0GBG000032**



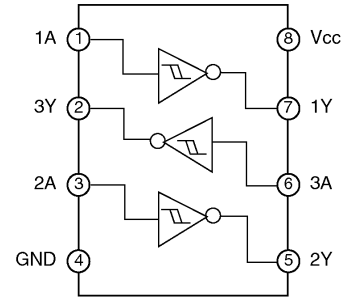
**IC102 : C0EBB0000183**



**IC1603 : C0JBAM000156**

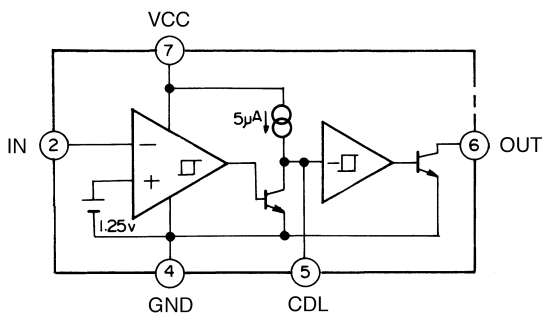


**IC103,107,4001 : C0JBAA000261**

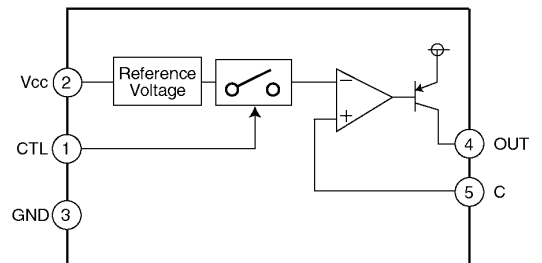


**IC106,216 : C0JBAB000379**

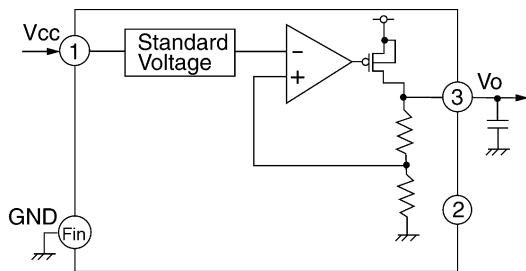
#### 4.2.2. Sub Block



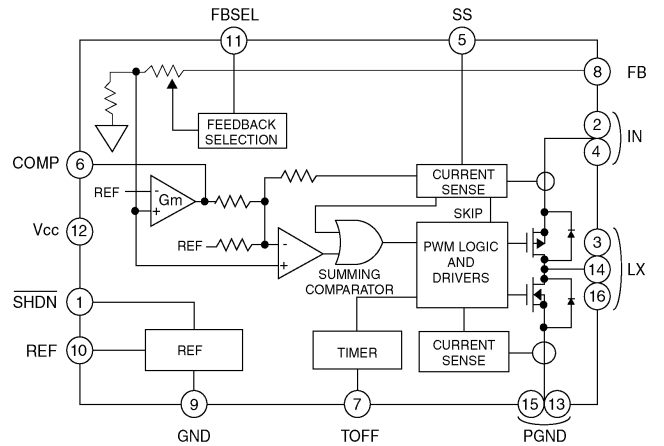
**IC100 : C0EBH0000550**



**IC108 : C0DBEKG00001**

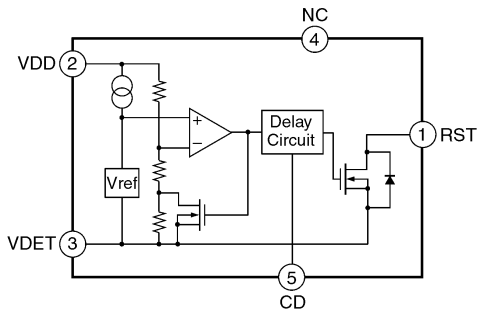


**IC101 : C1BB00000828**

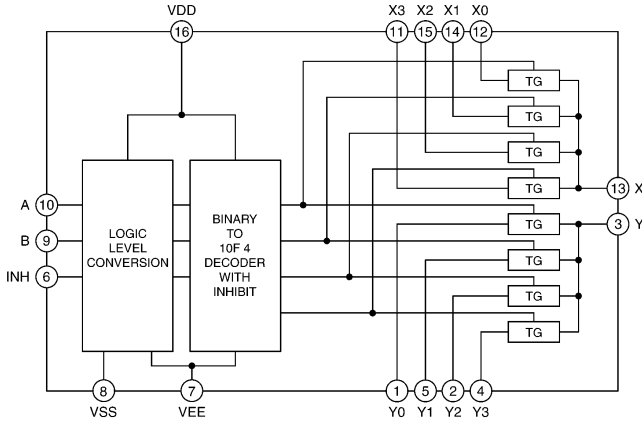


**IC115 : C0DBAZG00025**

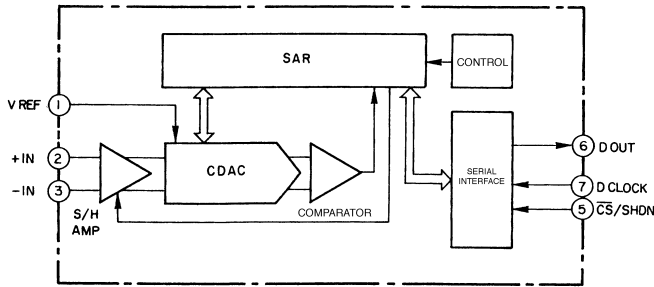




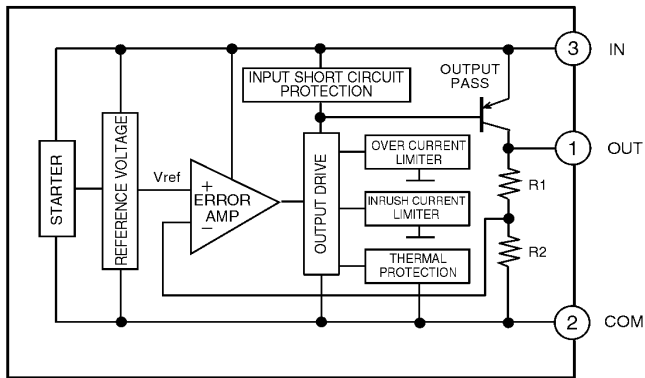
**IC207 : C0EBH000520**



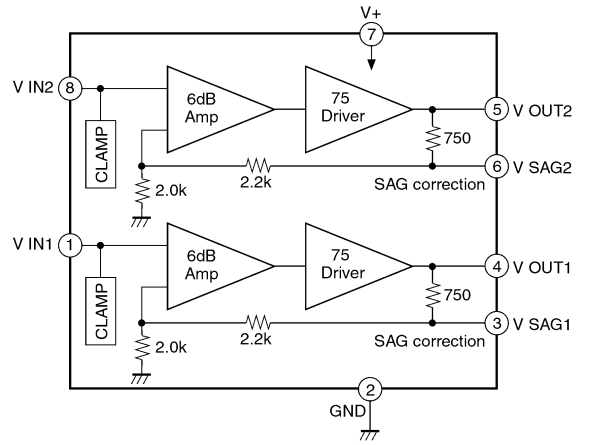
**IC319 : C0JBAR000367**



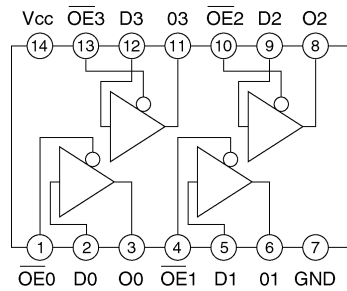
**IC320 : C0FBAG000014**



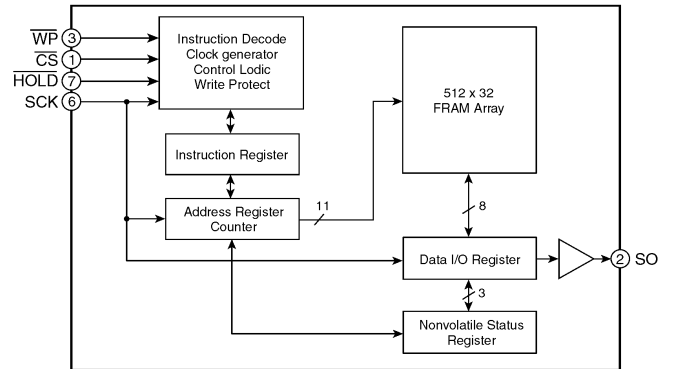
**IC321 : AN77L05M-E1**



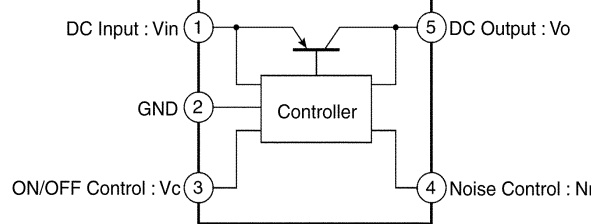
**IC405 : C1AB00000164**



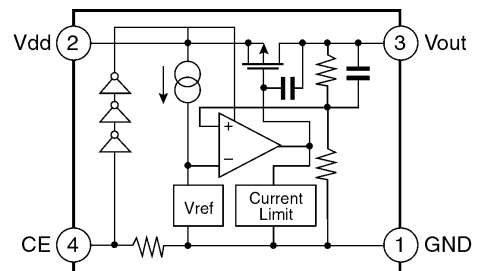
**IC406,407 : C0JBAZ002803**



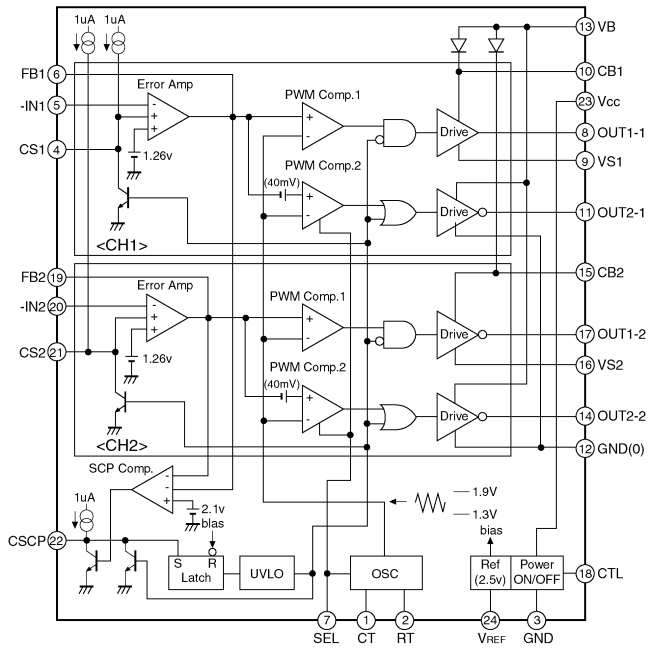
**IC504 : C3GBCA000001**



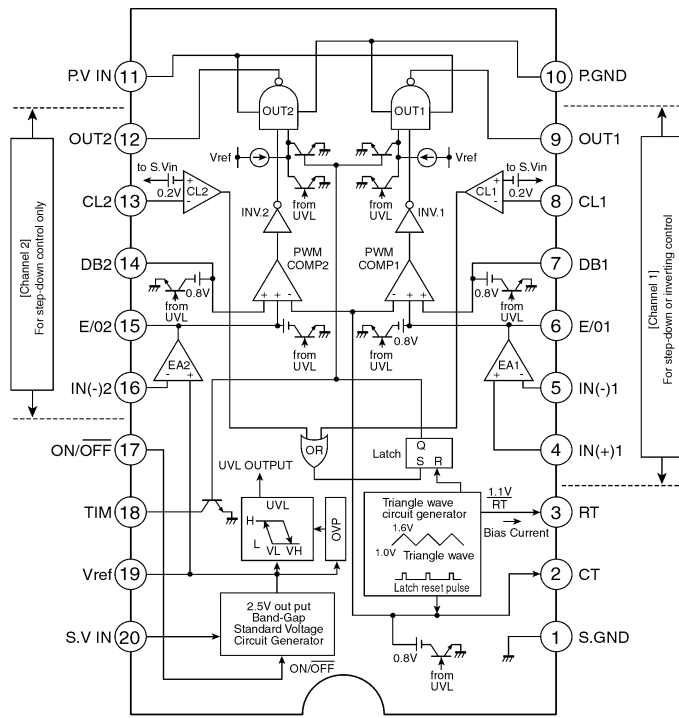
**IC3005 : C0DBGYY00185**



**IC3007 : C0CBCAA00006**

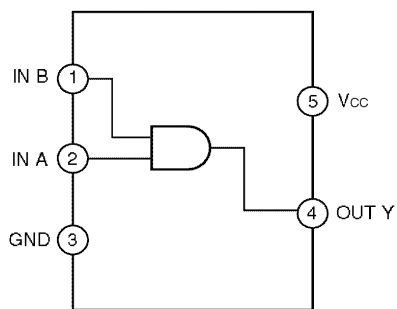


**IC110,111 : C0DBAZD00009**

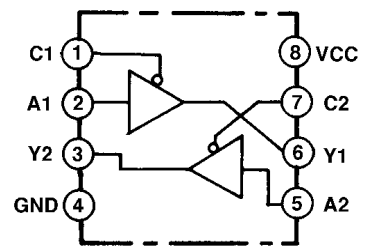


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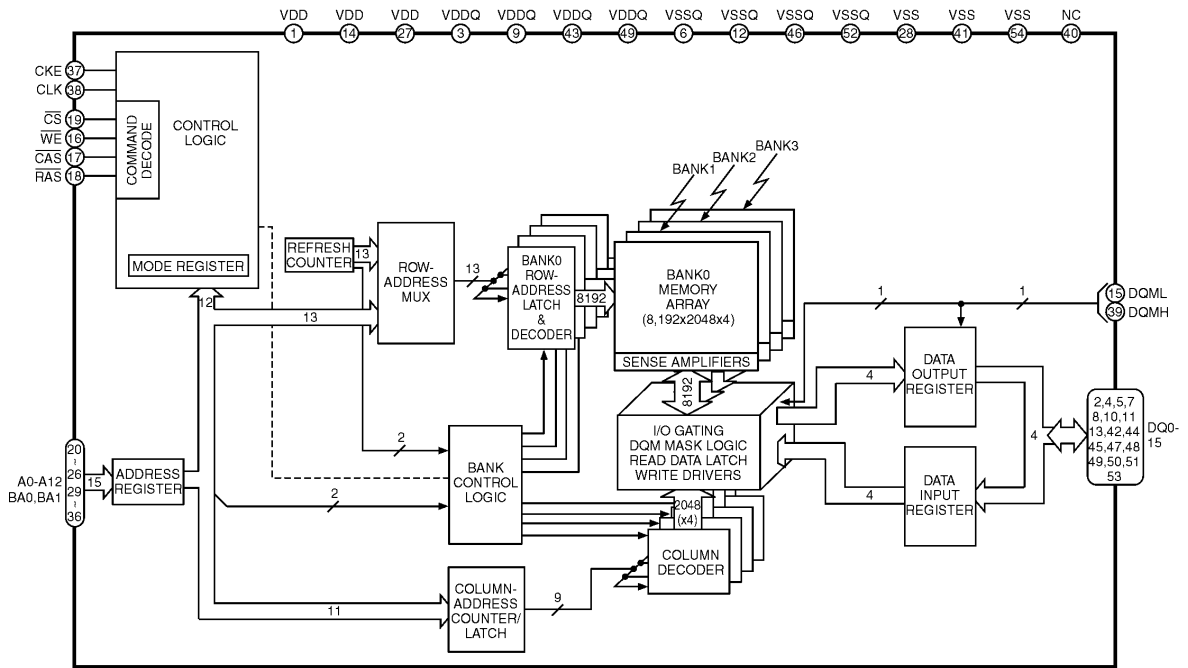
### 4.2.3. Navi/HDD Block



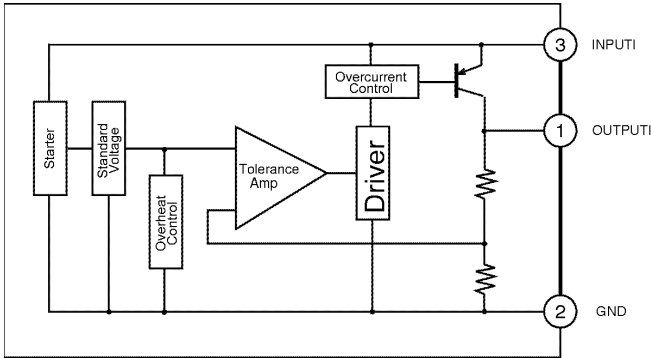
**IC408,1117,1118 : C0JBAA000372**



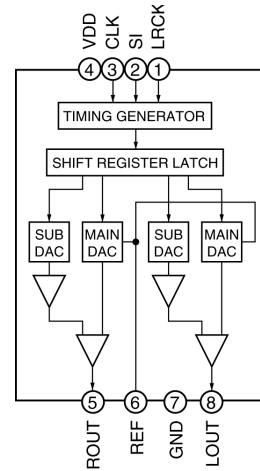
**IC409 : C0JBZ001492**



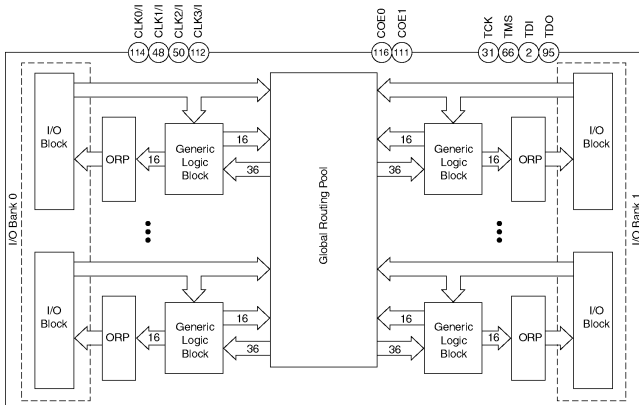
IC201,202 : C3ABRG000059



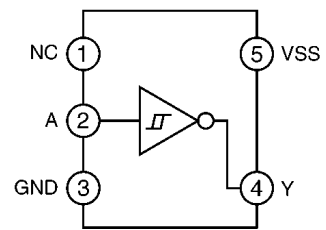
IC102 : C0CBABA00020



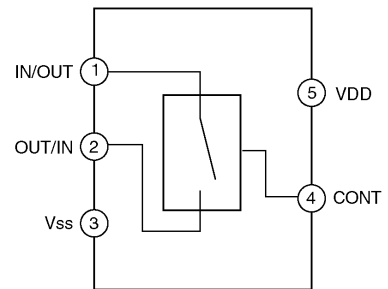
IC502 : C0FBBH000053



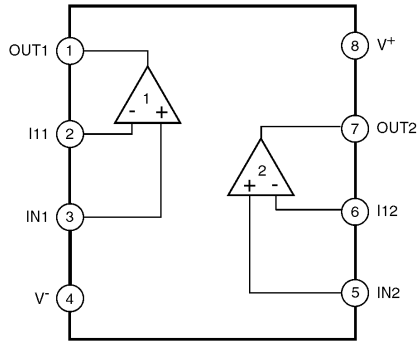
IC205 : C0JBZZ000322



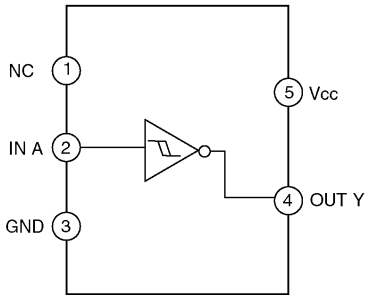
IC700 : C0JBAB000354



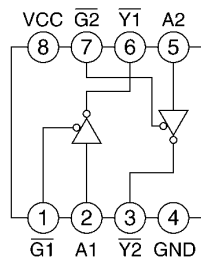
IC701 : C0JBAS000241



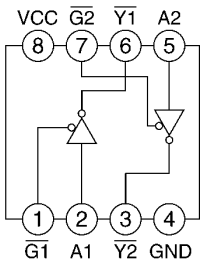
**IC702 : C0ABBB000283**



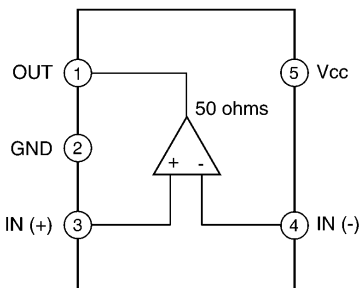
**IC1101,1103,1124 : C0JBAB000629**



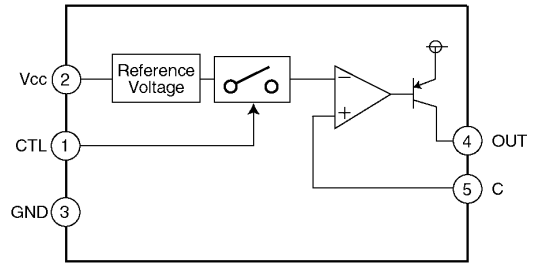
**IC1102,1104 : C0JBAB000824**



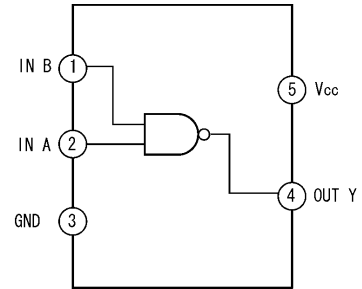
**IC1105,1108 : C0JBAZ002635**



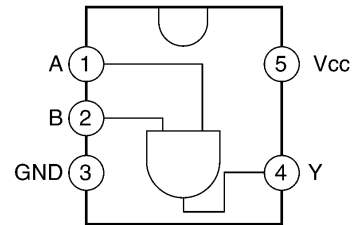
**IC1106,1107,1110 : C0ABAA000099**



**IC1109 : C0DBEKG00001**

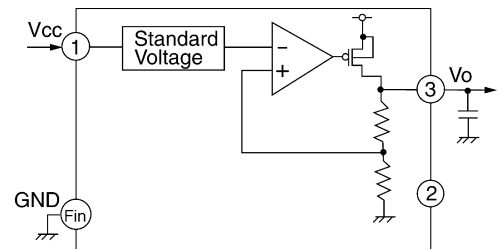


**IC1115 : C0JBAC000412**

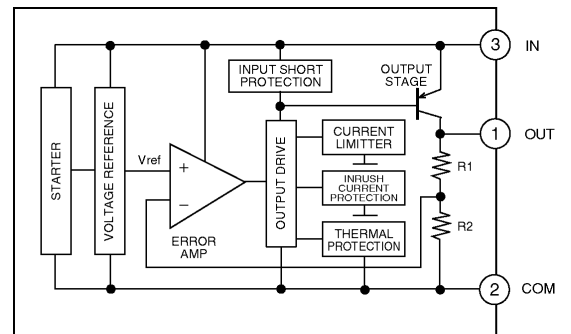


**IC1116,1123 : C0JBAA000261**

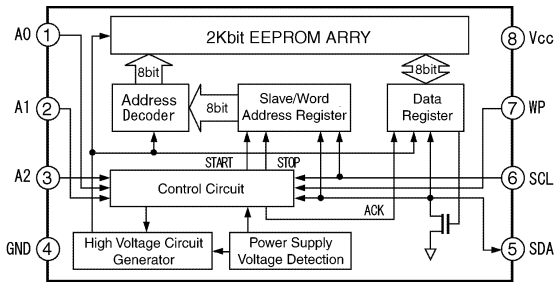
#### 4.2.4. TFT/SW Block



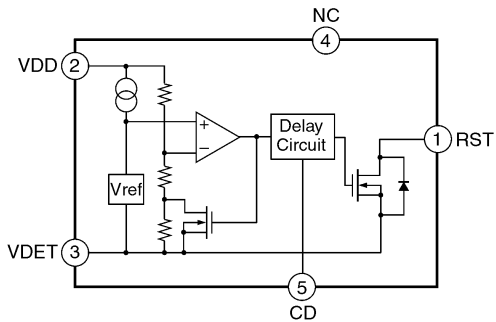
**IC402 : C1BB00000828**



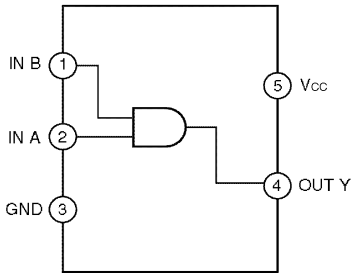
**IC403 : AN77L03M-E1**



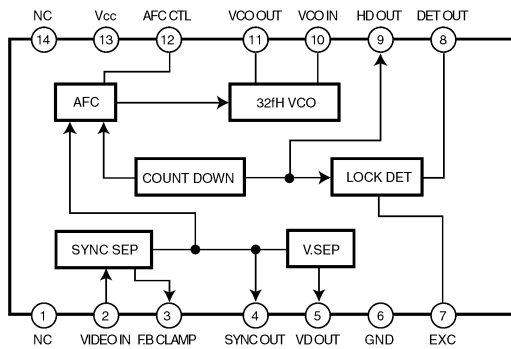
**IC404 : C3EBDC000049**



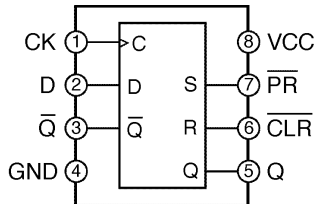
**IC405 : C0EBH0000520**



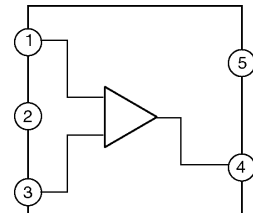
**IC406,603 : C0JBAA000372**



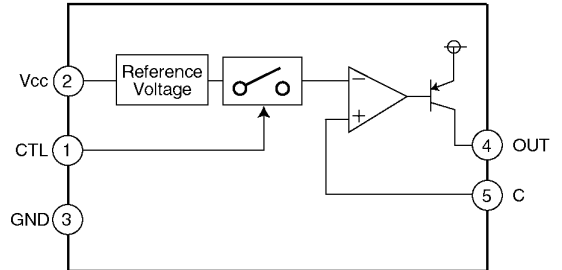
**IC408 : C1AB00002372**



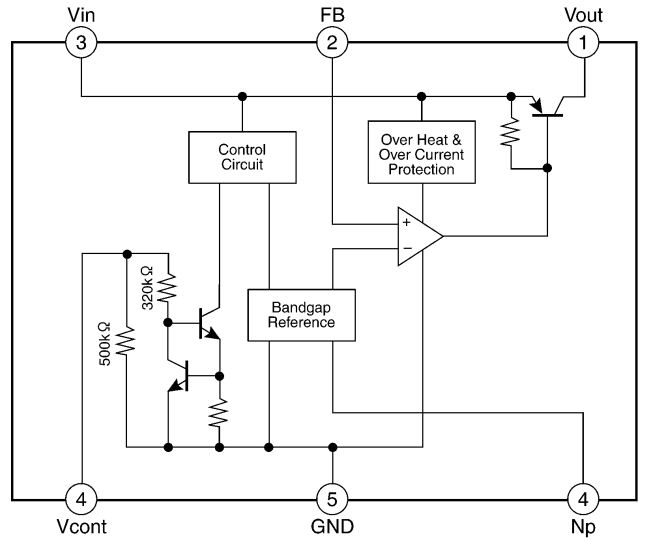
**IC412 : C0JBAF000701**



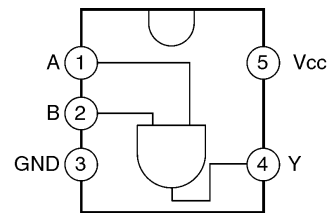
**IC417 : YEAMM2107FT1**



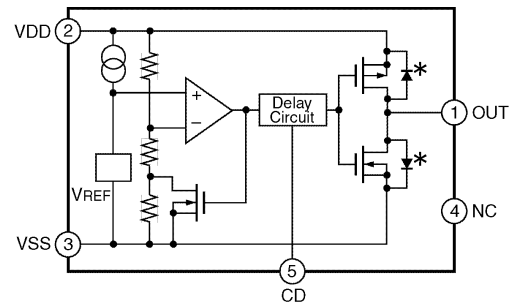
**IC418 : C0DBEKG00001**



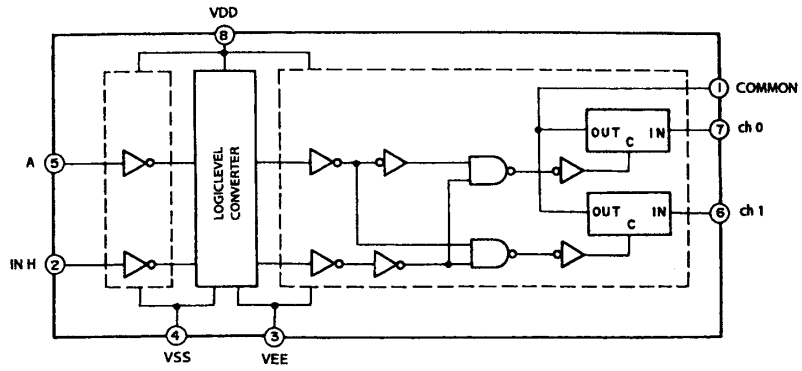
**IC421 : C0DBEJC00002**



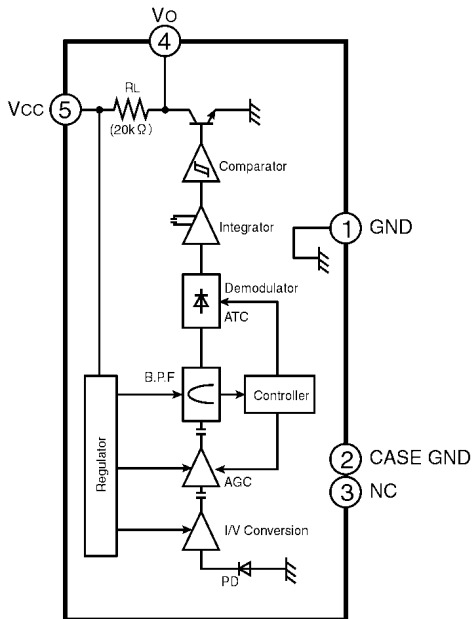
**IC422 : C0JBAA000319**



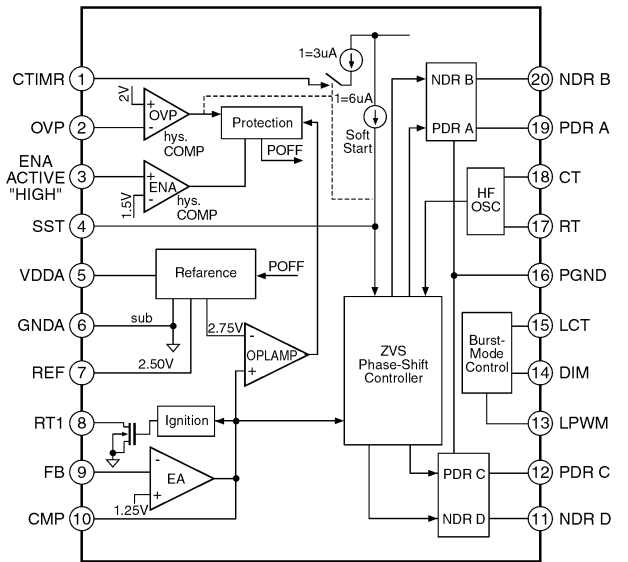
**IC602 : C0EBC0000240**



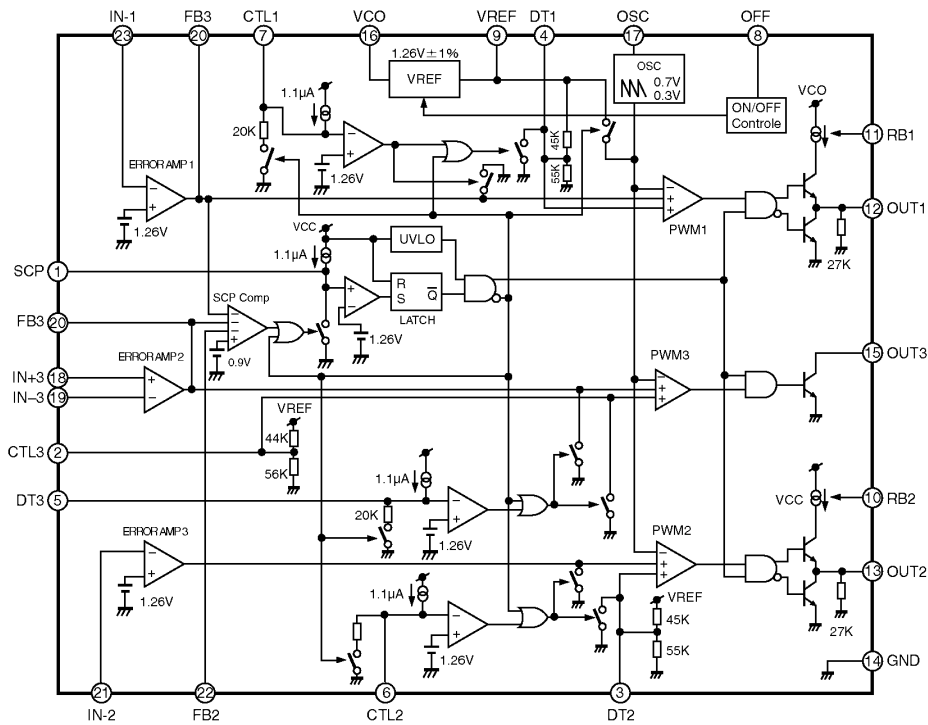
IC409 : C0JBAR000513



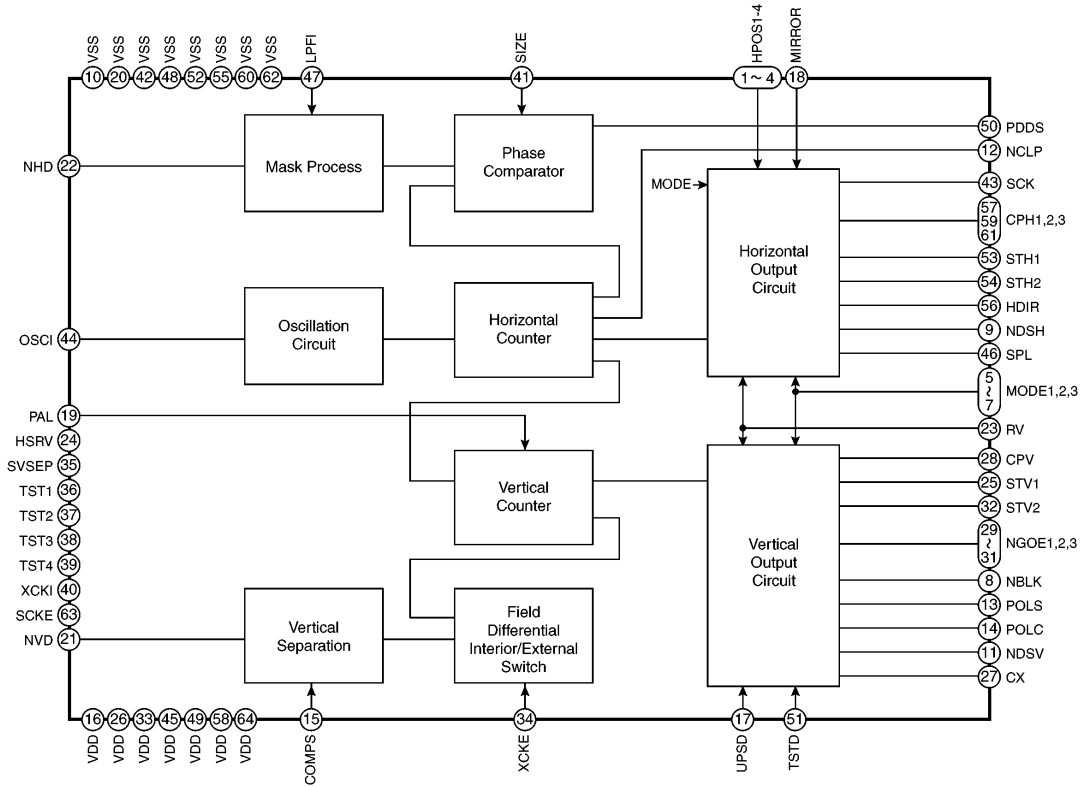
IC970 : PNA4S42M01MC



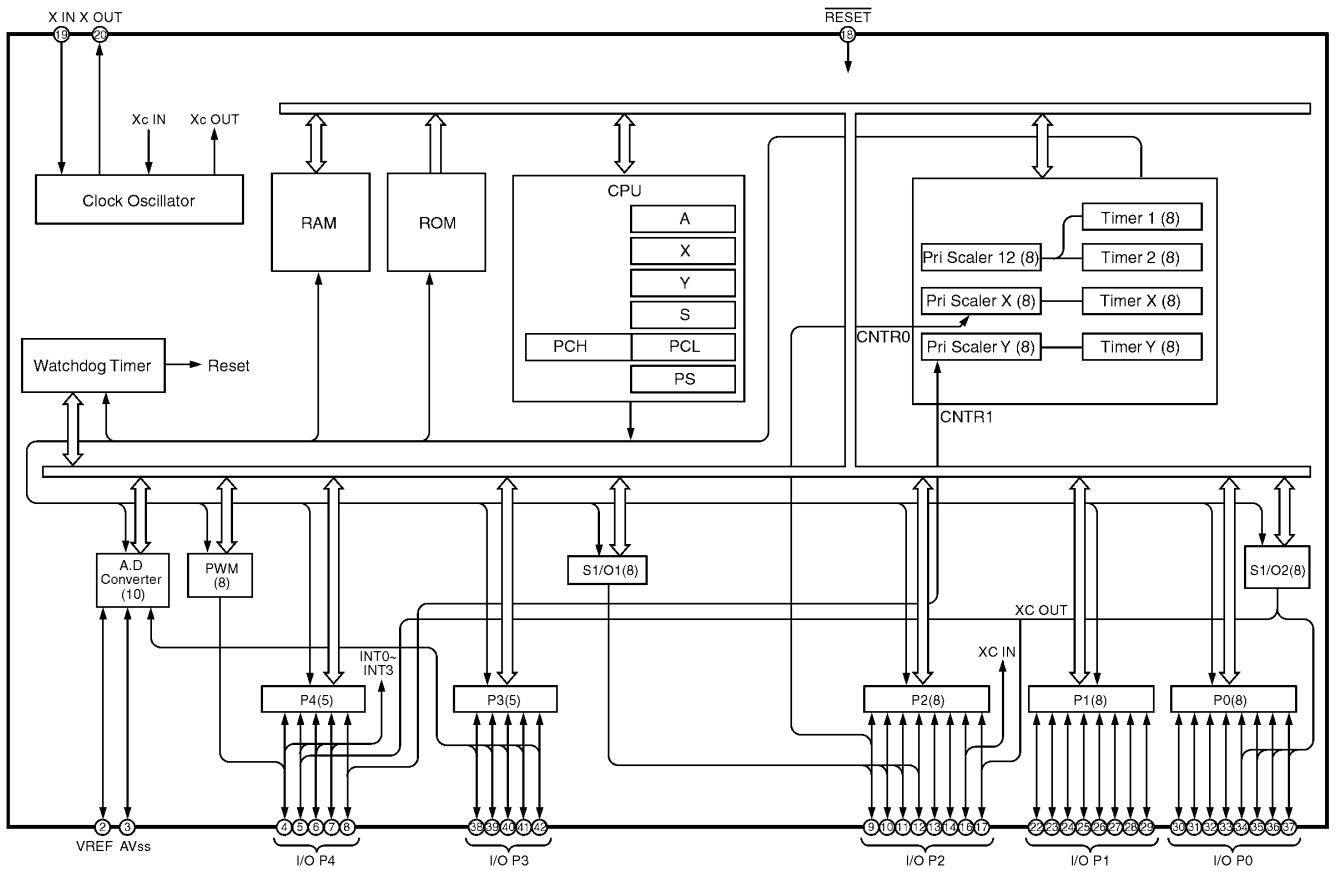
IC601 : C0DBAYY00280



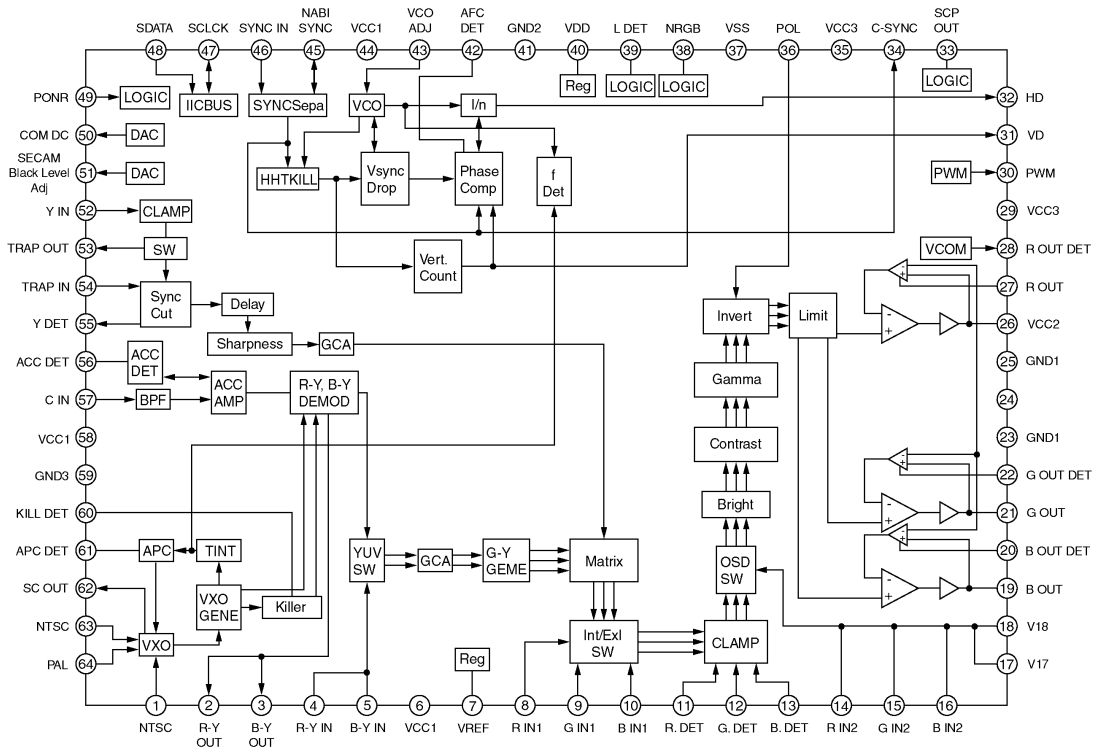
IC401 : AN8049SH-E1V



IC415 : C1AB0002215

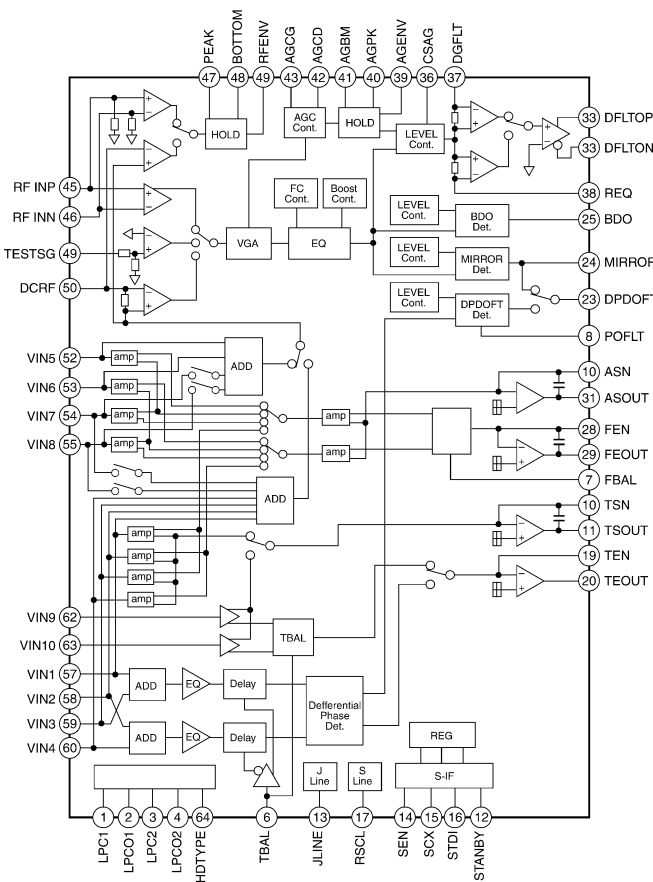


IC407 : C2BBFD000652

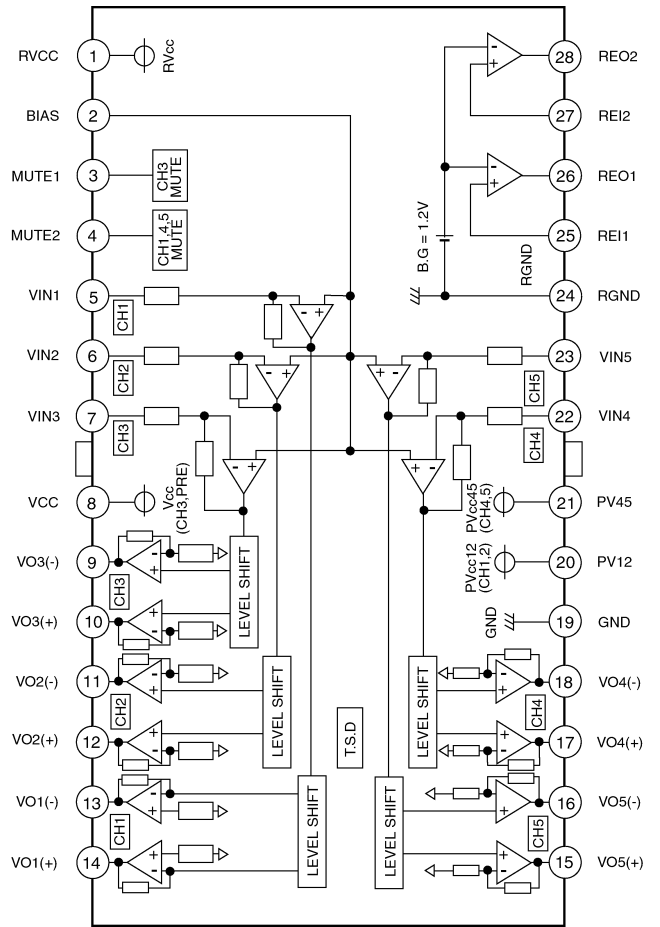


IC410 : AN2546FH-A

### 4.2.5. DVD Deck Block

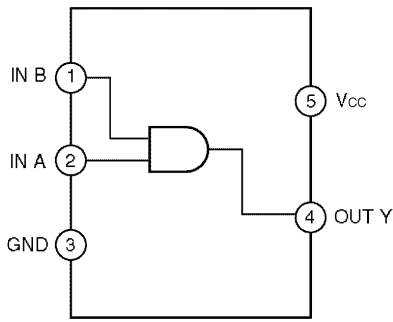


IC101 : AN8703FH-V

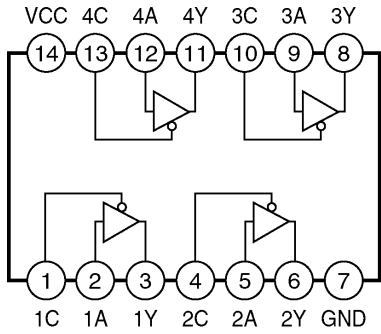


IC311 : COGBY000012

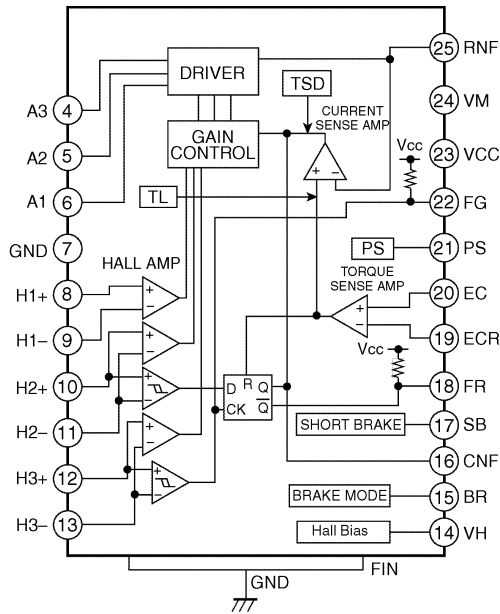




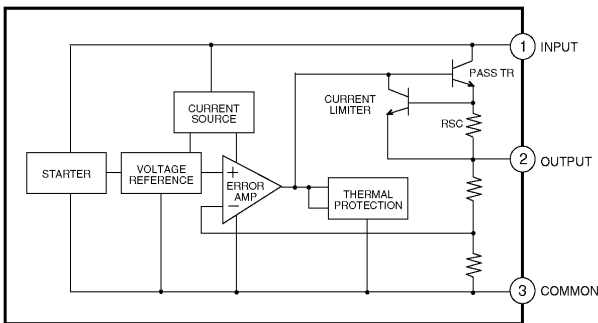
**IC271 : C0JBAA000372**



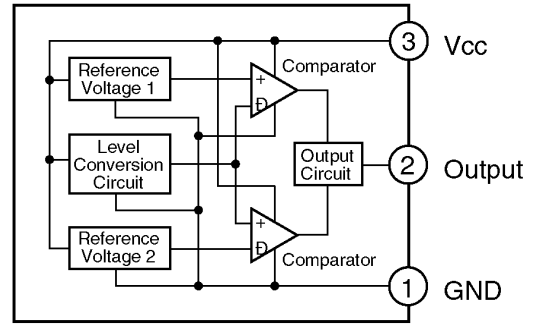
**IC275, IC561 : C0JBAZ002826**



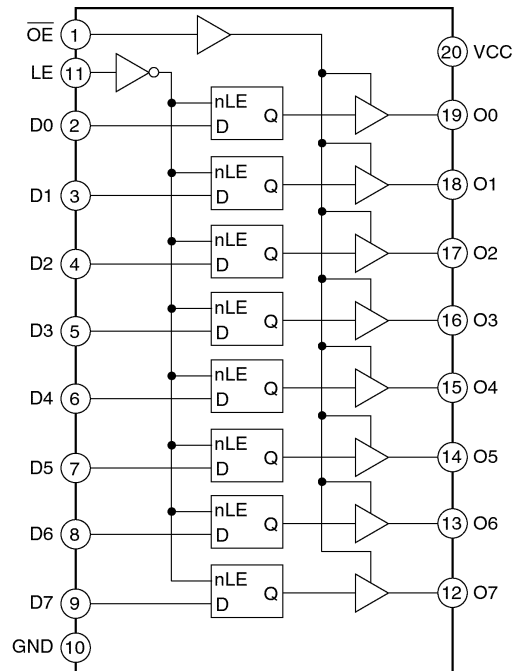
**IC321 : C0GBH000006**



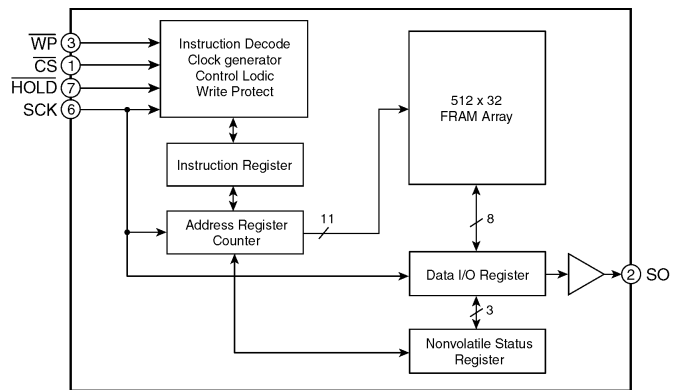
**IC411 : C0CBADC00084**



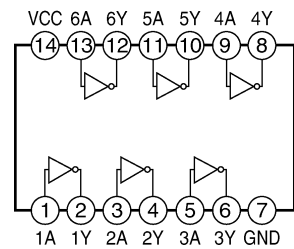
**IC441 : MN13821SJP**



**IC631, IC641 : C0JBAH000127**



**IC651 : C3GBCA000001**

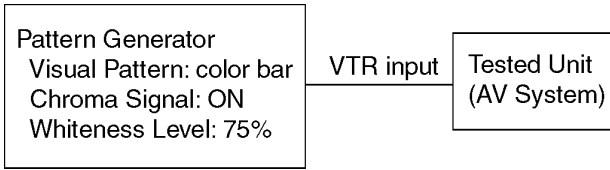


**IC652 : C0JBAB000089**

# 5 Adjustment

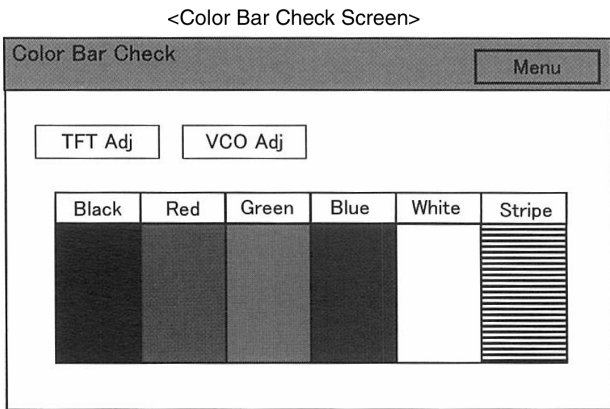
## 5.1. VCO Adjustments

### <Adjustment Structure>



### <Adjustment Procedure>

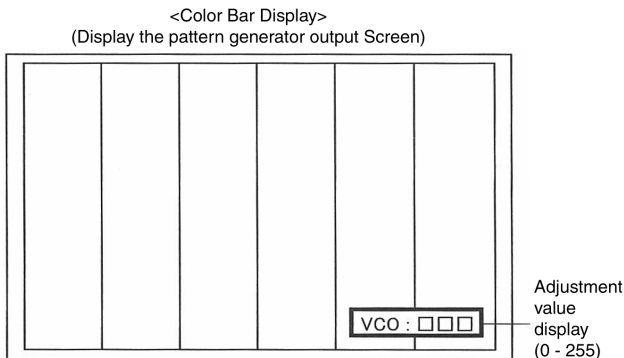
- 1) Turn the +B/ACC on
- 2) Move to [Diagnosis for Manufacturer] screen. (Refer to the working instructions)



- 3) Touch the [Color Bar Check] on the screen
- 4) Touch the [VCO Adj] on the screen
- 5) Check if the color bar of the VTR input is appeared. Press the [TUNE/TRCK UP/DOWN] key or [VOL UP/DOWN] key and adjust so that the color bar is displayed properly.
  - \*The adjustment value is displayed on the screen
  - \*The adjustment point is set at the center of the 3 points of the adjustment values that displays the color
- 6) Touch the screen
- 7) Return to [Color Bar Check] screen
  - \*Always return by touching the screen
  - \*If mis-operated, go back to 2) and readjust.

### <Adjustment Summary Checking Procedure>

- 8) Touch the [VCO Adj] and check the adjustment value.



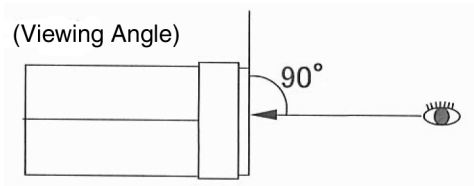
- 9) Touch the screen

- 10) Turn the +B/ACC off

## 5.2. Flicker Adjustments

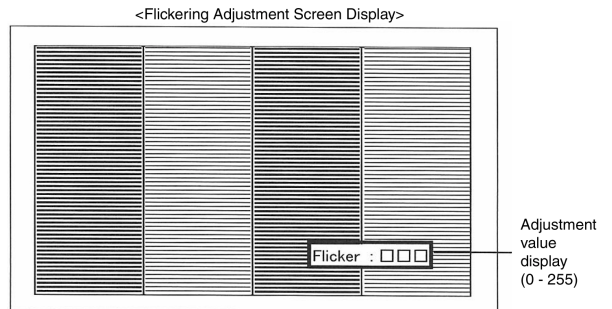
### <Adjustment Procedure>

- 1) Turn the +B/ACC on
- 2) Set to [Diagnosis for Manufacturer] screen
- 3) Touch the [Color Bar Check] on the screen
- 4) Select the [TFT adj] on the screen
- 5) Press the [TUNE/TRCK UP/DOWN] key or [VOL UP/DOWN] key and adjust so that the screen flickering will be at minimum.
  - \*The viewing angle goes by the below diagram
  - \*The adjustment value is displayed on the screen
- 6) Touch the screen Å® goes back to the color bar inspection screen
  - \* Always return by touching the screen
  - \* If mis-operated, go back to 2) and readjust.



### <Adjustment Summary Checking Procedure>

- 7) Touch the [TFT Adj] and check the adjustment value.

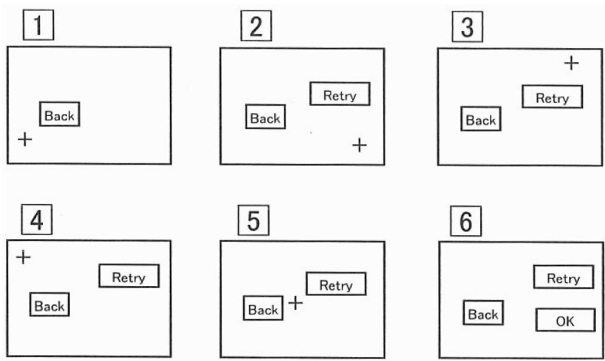


- 8) Touch the screen and return to [Color Bar Check] screen.
- 9) Turn the +B/ACC off

## 5.3. Calibration Adjustments

### <Adjustment Procedure>

- 1) Turn the +B/ACC on
- 2) Move to [Diagnosis for Manufacturer] screen. (Refer to the working instructions)
- 3) Touch the [Calibration Check] on the screen.
- 4) Press [VOL DOWN] or [TRCK UP] while pressing the "+" displayed on the screen. Do the above operations as shown on the right diagram from [1] to [5] in order and finally press the OK key at [6]



5) Check if the screen returns to [Diagnosis for Manufacturer] screen.

\*At operation [6], must always return to [Diagnosis for Manufacturer] screen.

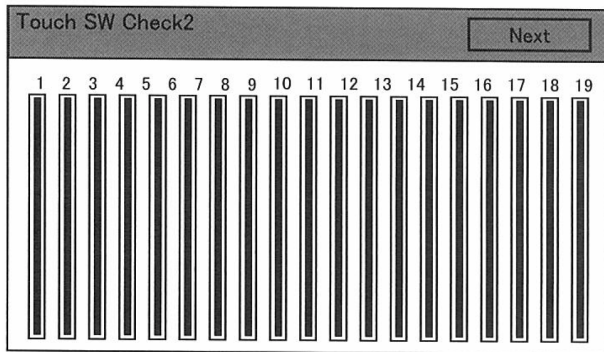
If mis-operated, go back to 2) and readjust.

6) Turn the +B/ACC off

## 5.4. Calibration Check

### <Adjustment Summary Checking Procedure>

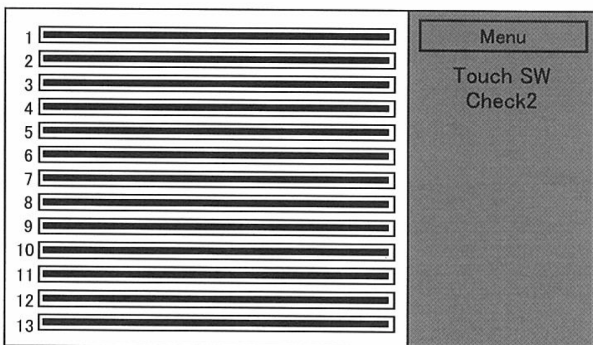
- 1) Turn the +B/ACC on
- 2) Set to [Diagnosis for Manufacturer] screen
- 3) Touch the [Color Palette Adj] on the screen
- 4) Touch the [Touch SW Check2] on the screen



5) Touch the vertical lines 1 and 19 on the screen and check if the color reverses.

6) Touch [Next] on the screen.

7) Touch the horizontal lines 1 and 13 on the screen and check if the color reverses.



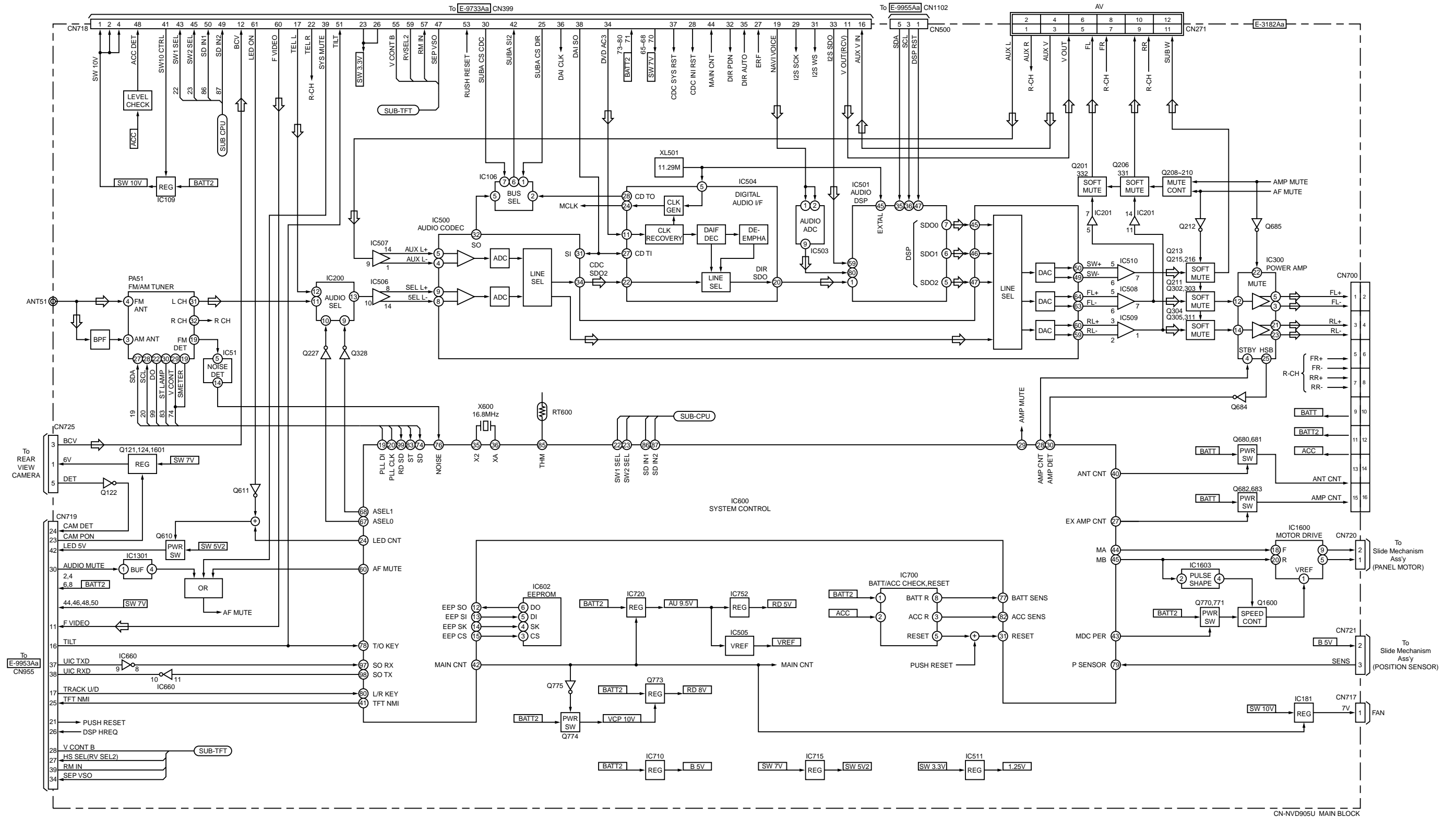
8) Touch [Menu] on the screen.

Returns to the color palette adjustment screen.

9) Turn the +B/ACC off

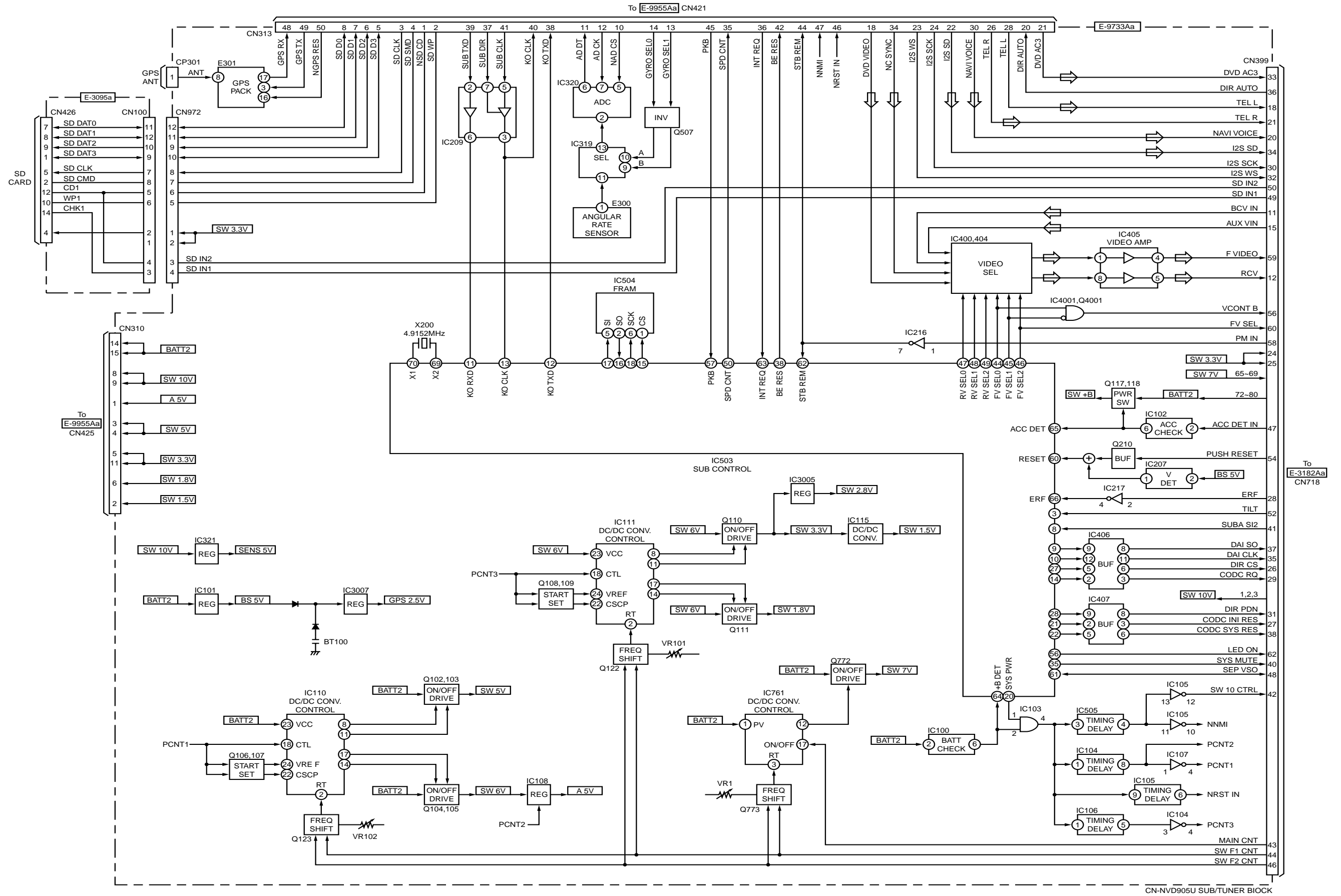
# 6 Block Diagram

## 6.1. Main Block

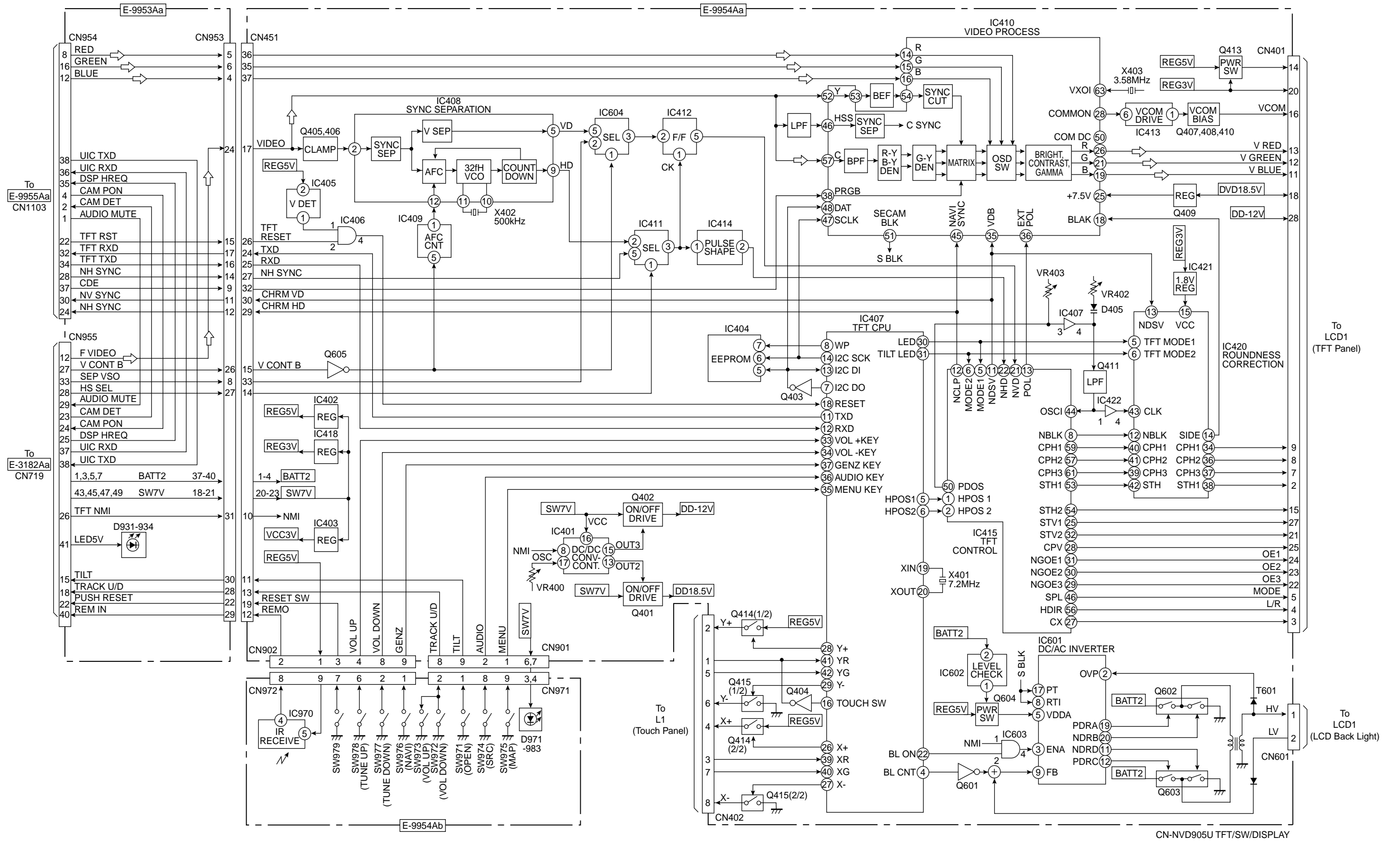




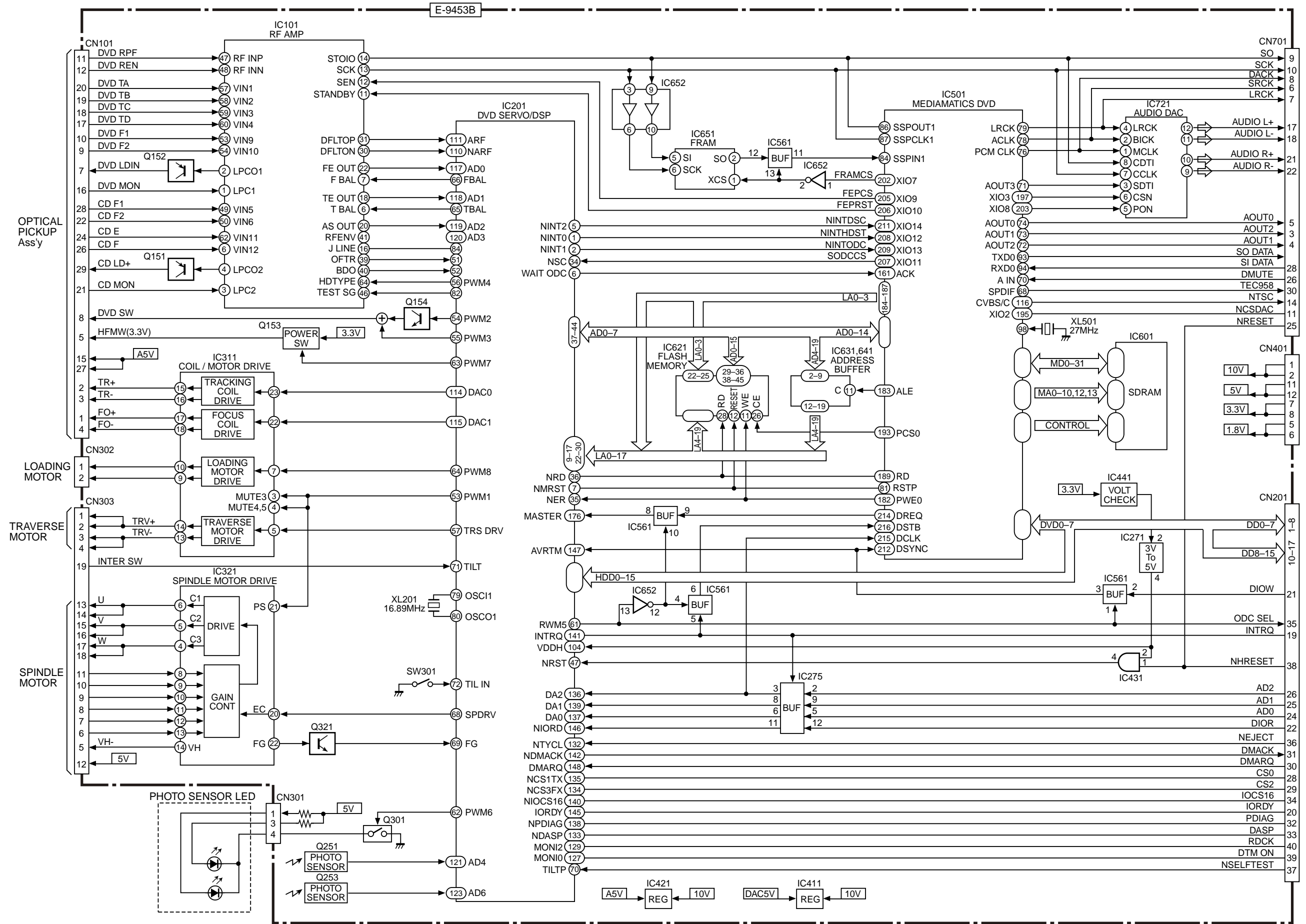
### 6.3. Sub/Tuner Block



### 6.4. TFT/SW/ESC Block



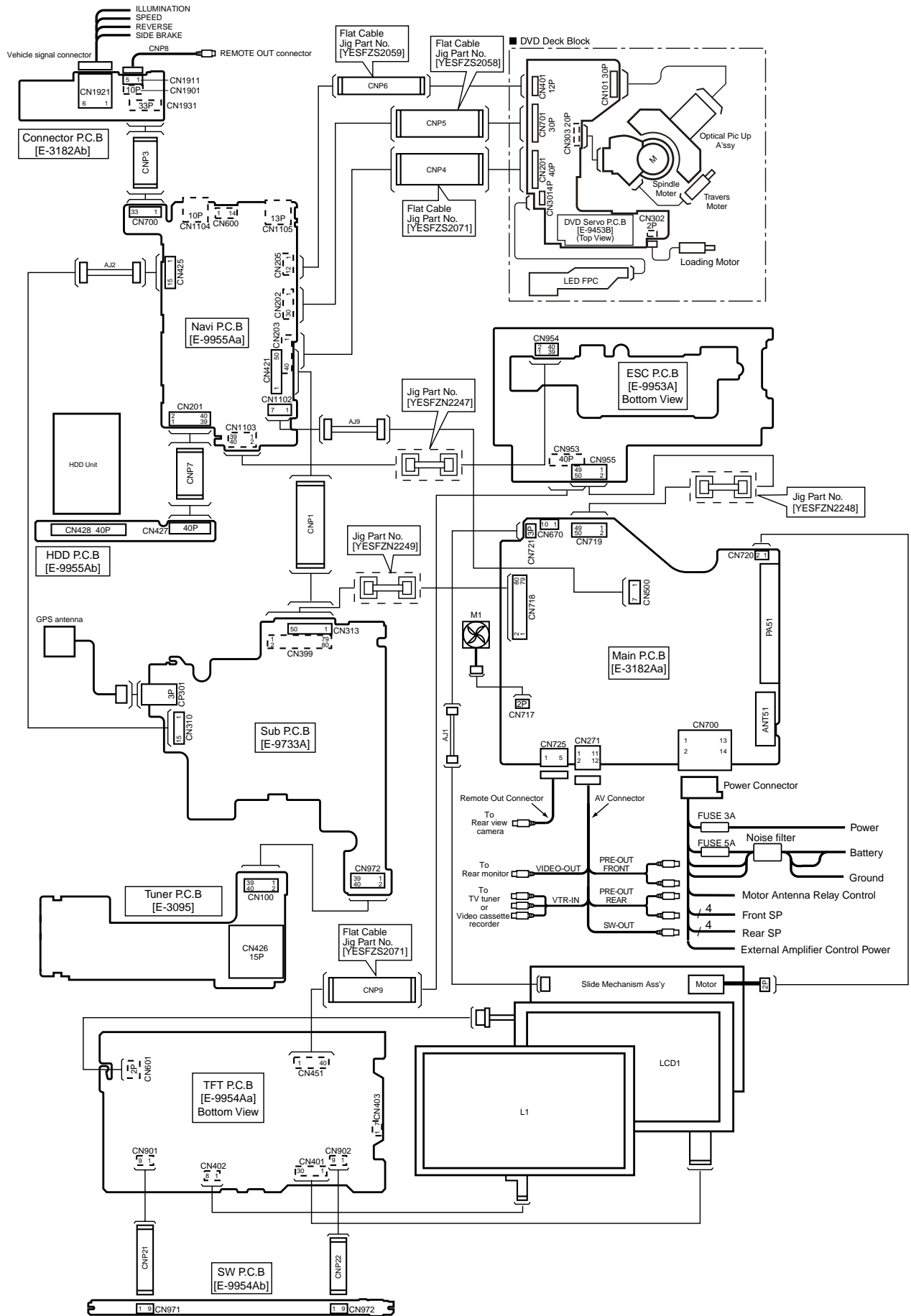
## 6.5. DVD Servo Block



GFD69248 DVD DECK

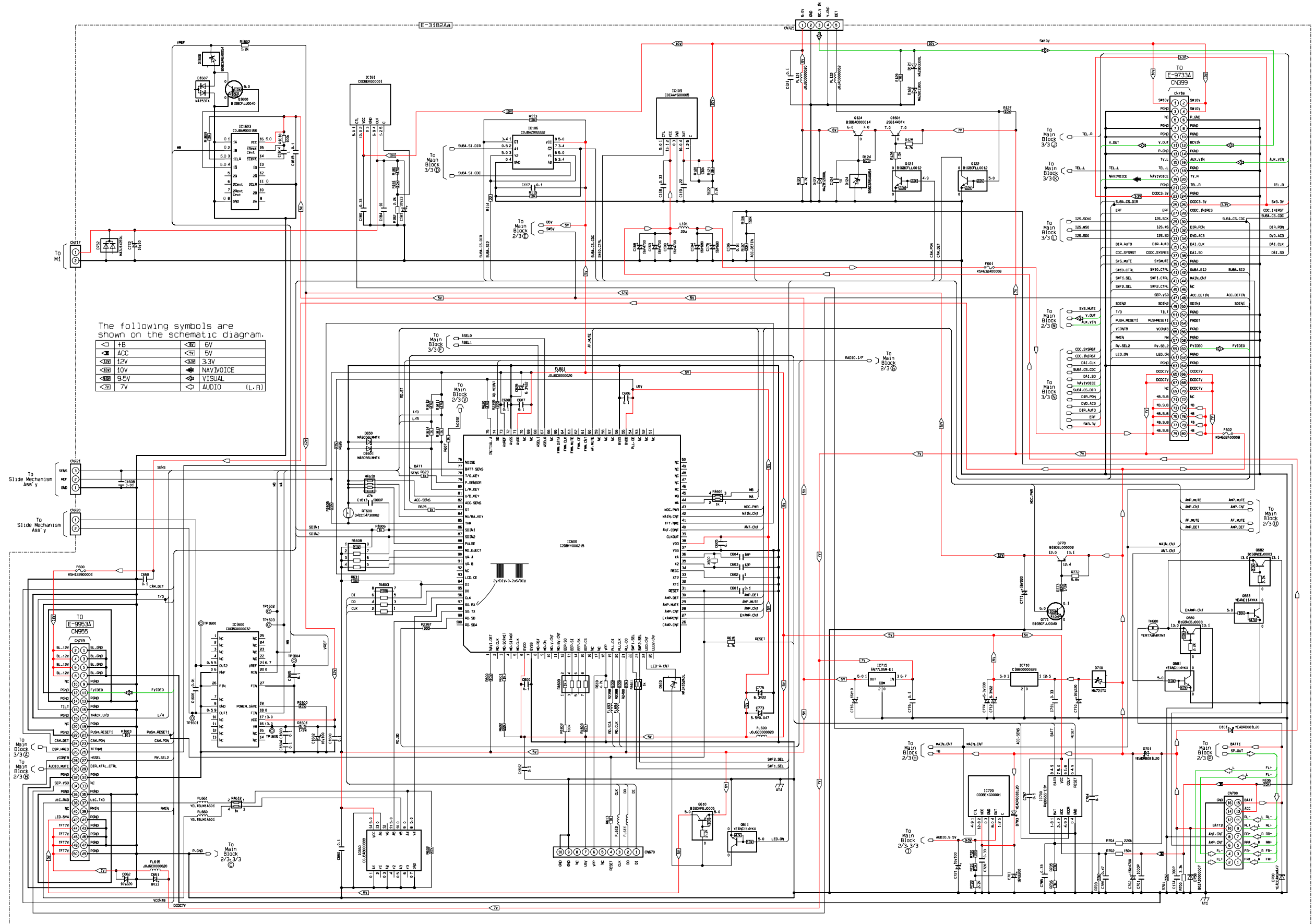


# 7 Wiring Connection Diagram

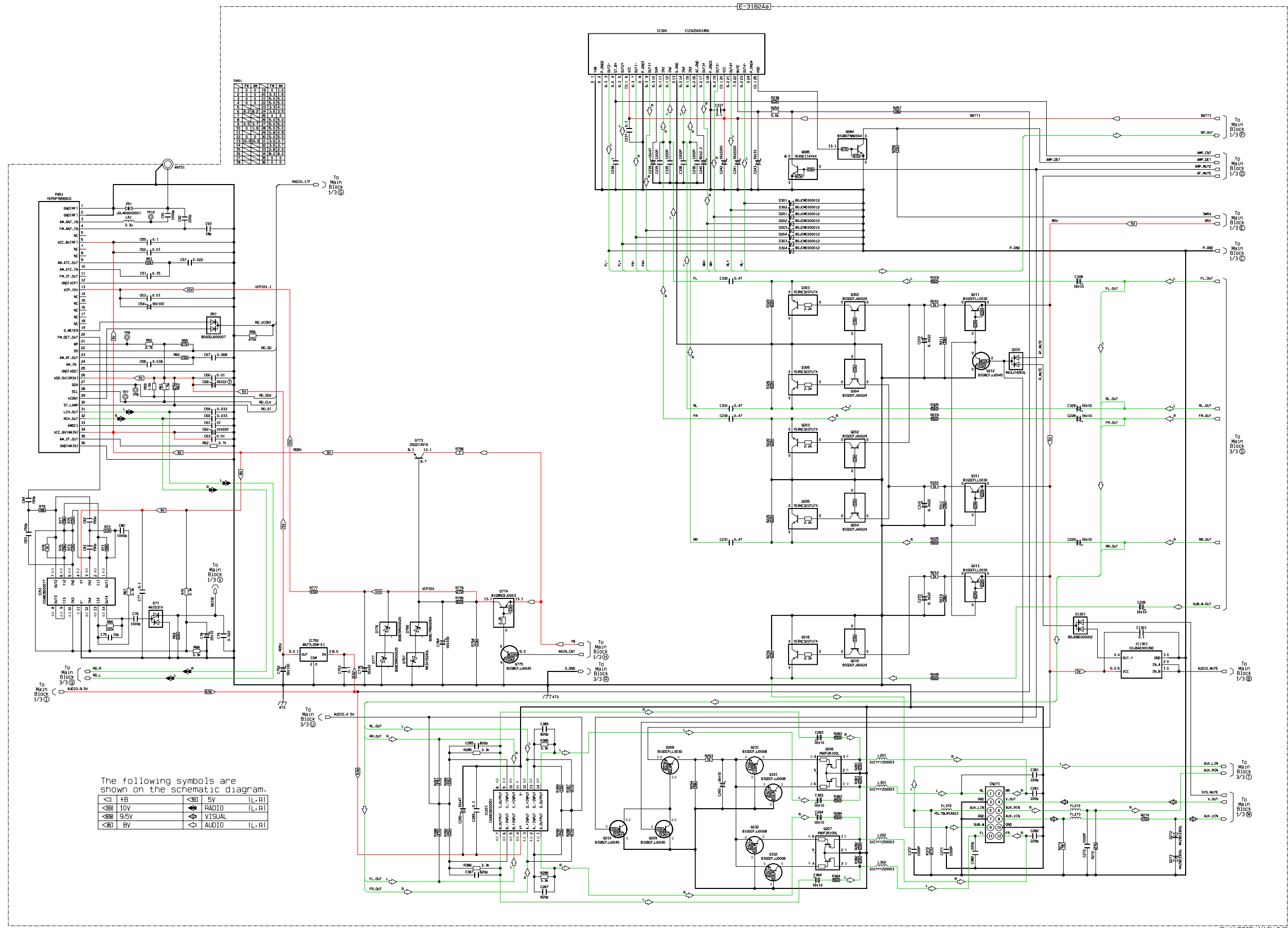


# 8 Schematic Diagram

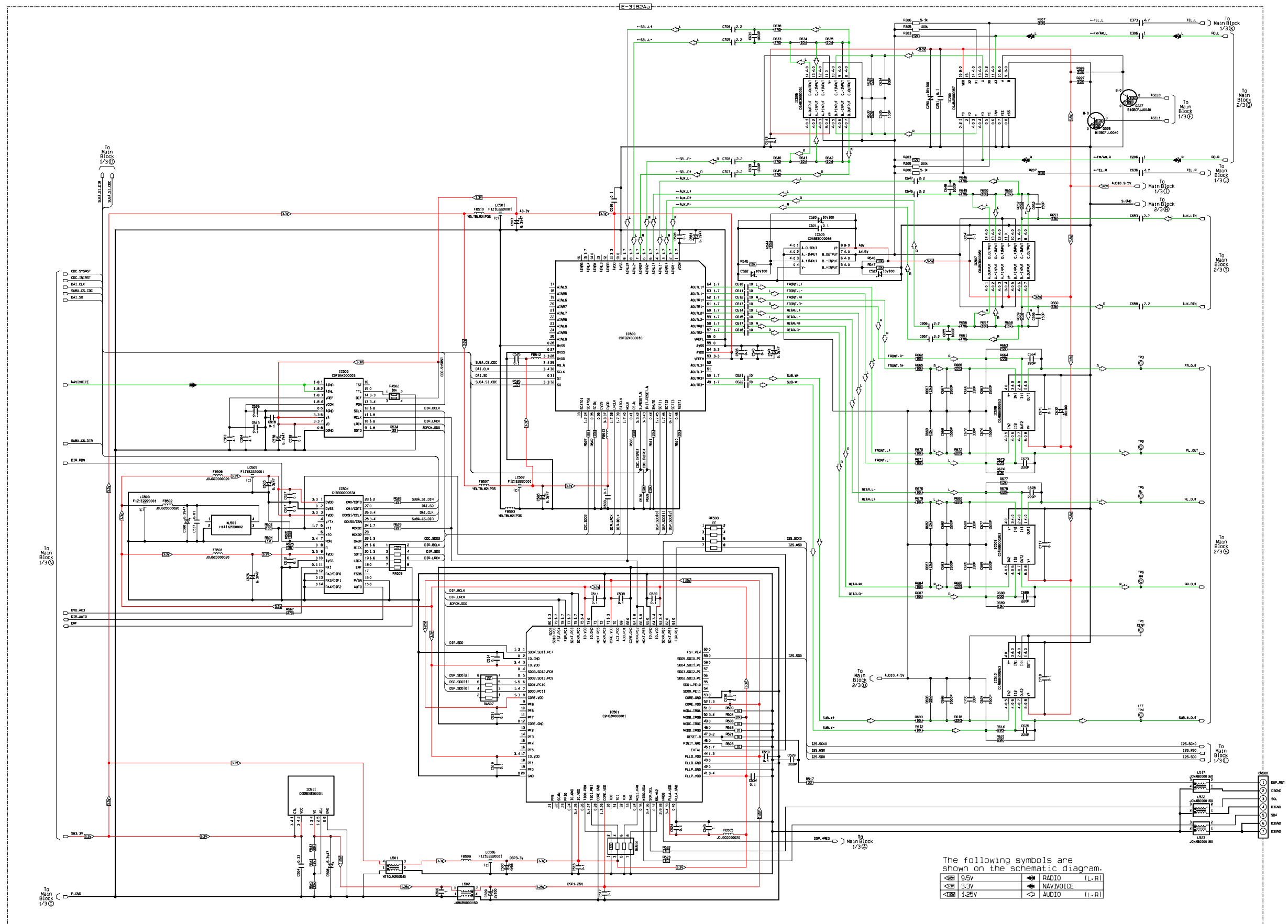
## 8.1. Main Block-1



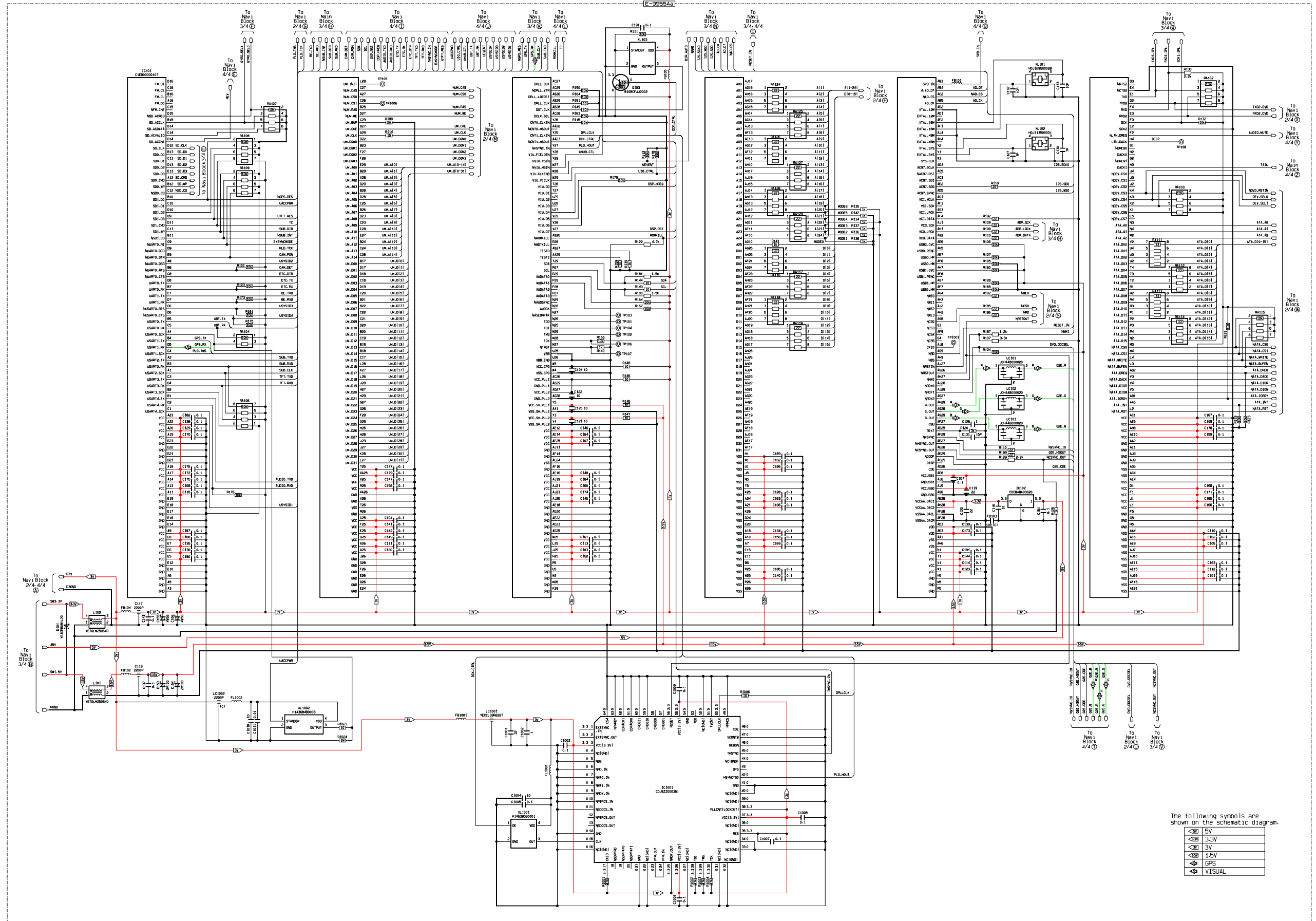
## 8.2. Main Block-2



### 8.3. Main Block-3

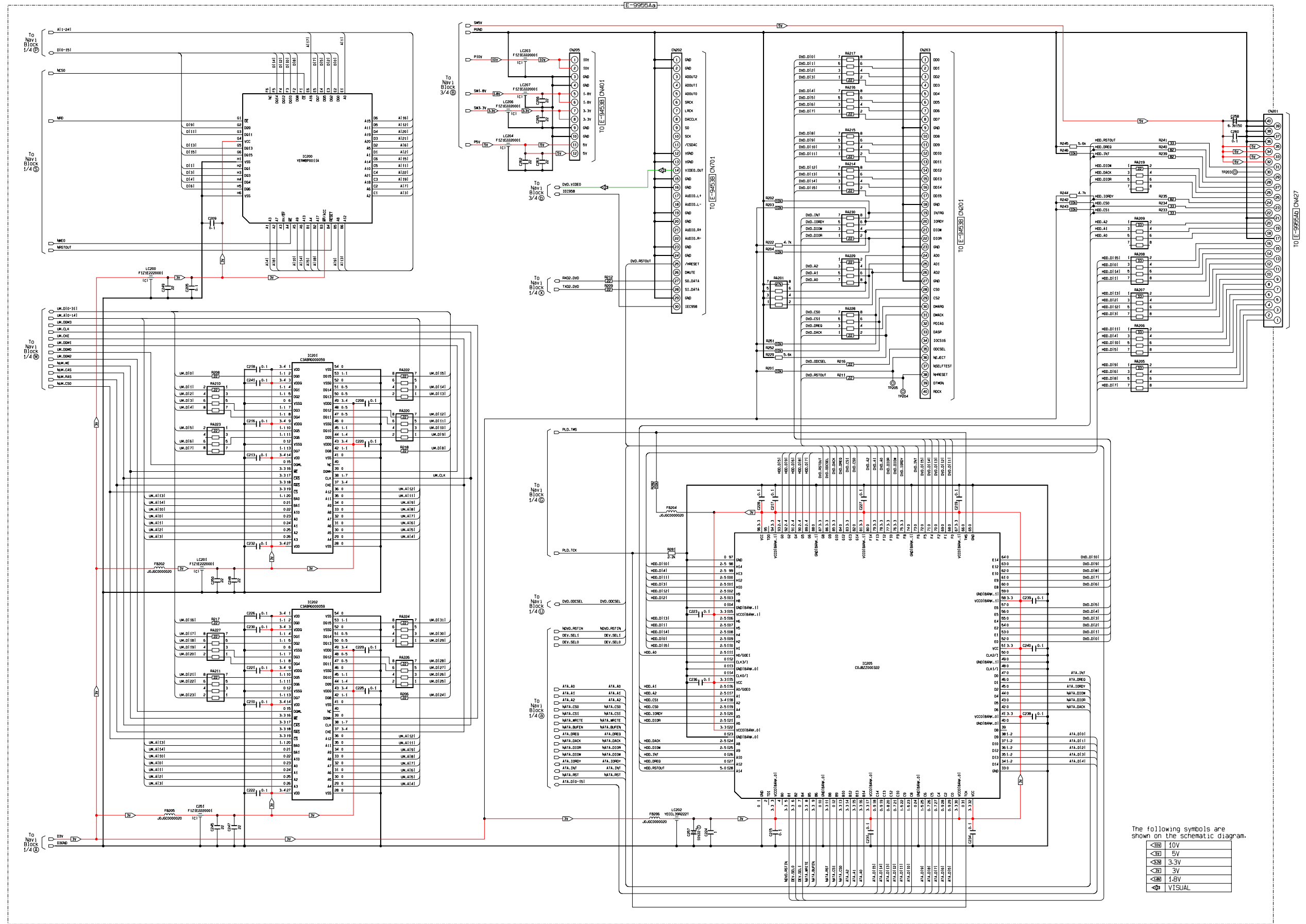


# 8.4. Navi Block-1



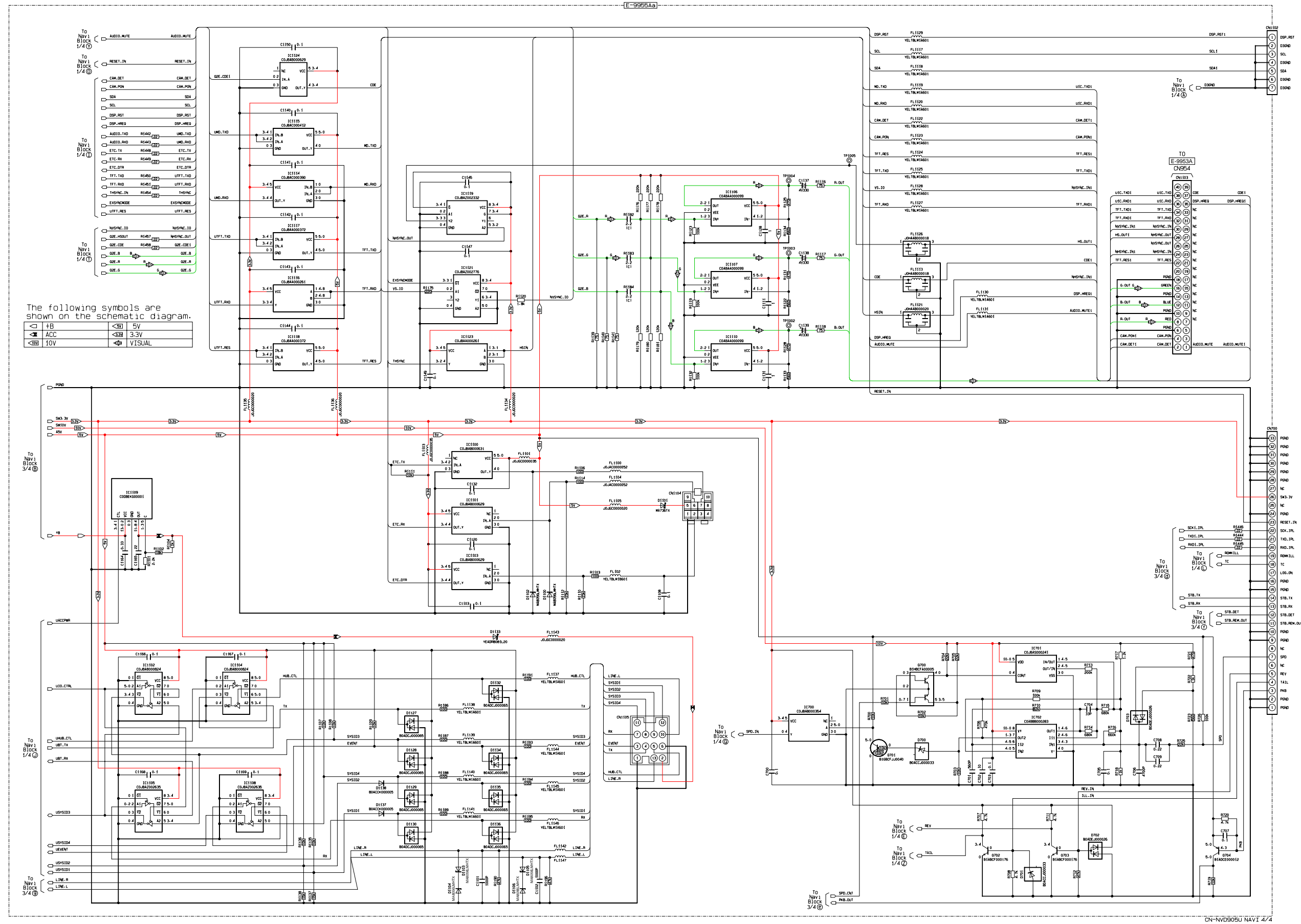


# 8.5. Navi Block-2



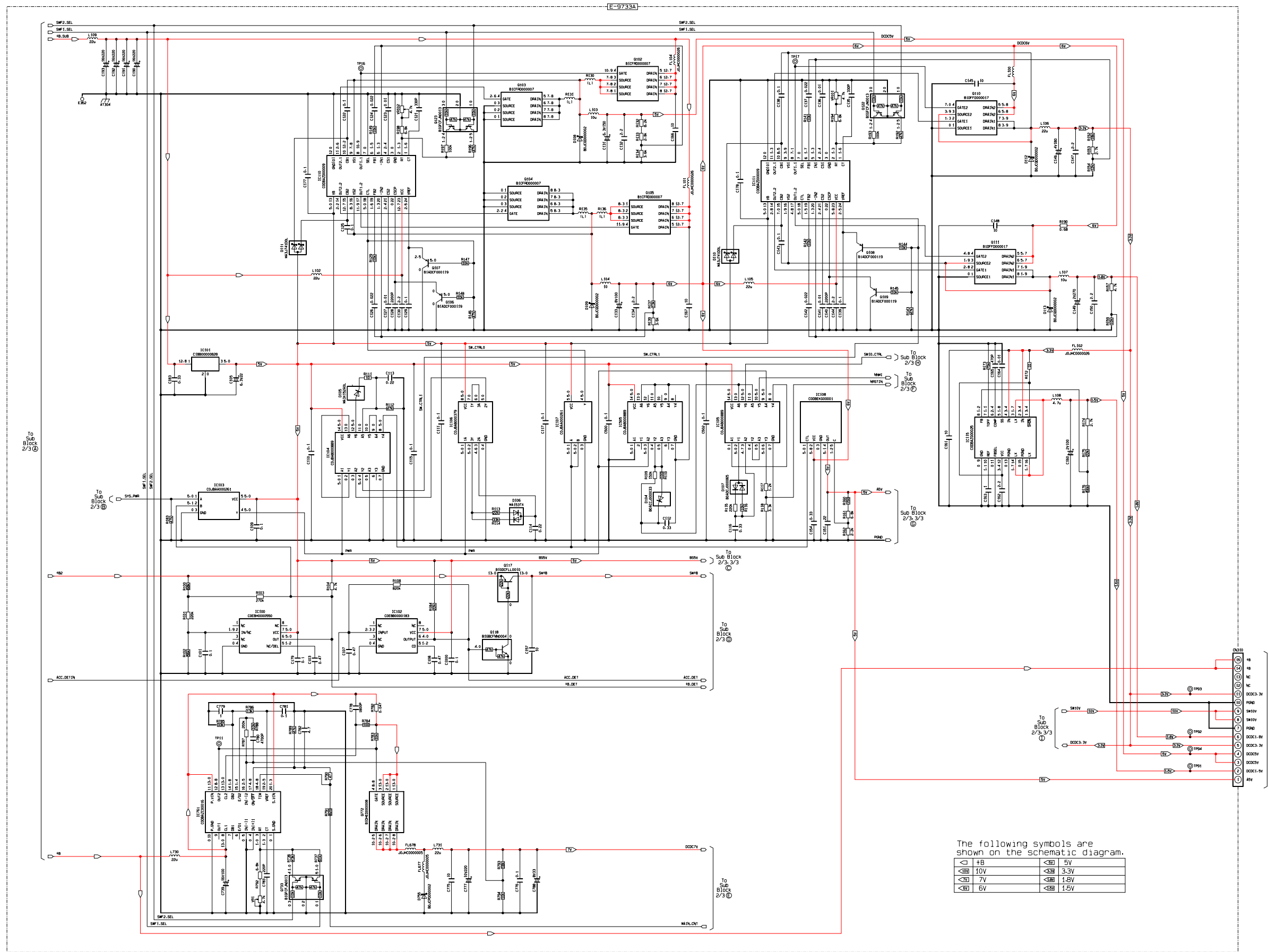


# 8.7. Navi Block-4





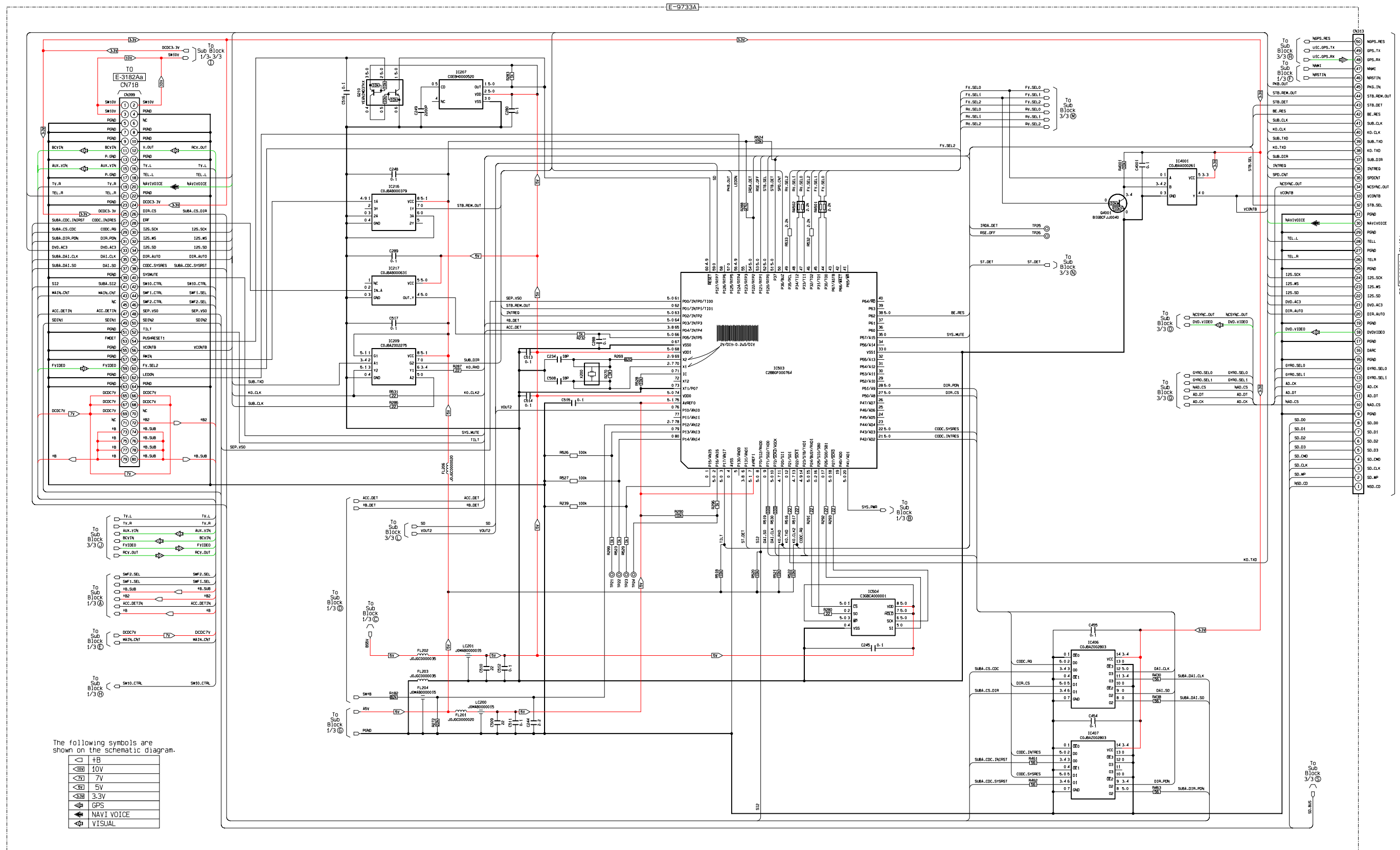
# 8.8. Sub Block-1



The following symbols are shown on the schematic diagram.

<img alt="Symbol for +B" data-bbox="695 800 710 815"/> +B	<img alt="Symbol for 5V" data-bbox="745 800 760 815"/> 5V
<img alt="Symbol for 10V" data-bbox="695 815 710 830"/> 10V	<img alt="Symbol for 3.3V" data-bbox="745 815 760 830"/> 3.3V
<img alt="Symbol for 7V" data-bbox="695 830 710 845"/> 7V	<img alt="Symbol for 1.8V" data-bbox="745 830 760 845"/> 1.8V
<img alt="Symbol for 6V" data-bbox="695 845 710 860"/> 6V	<img alt="Symbol for 15V" data-bbox="745 845 760 860"/> 15V

# 8.9. Sub Block-2

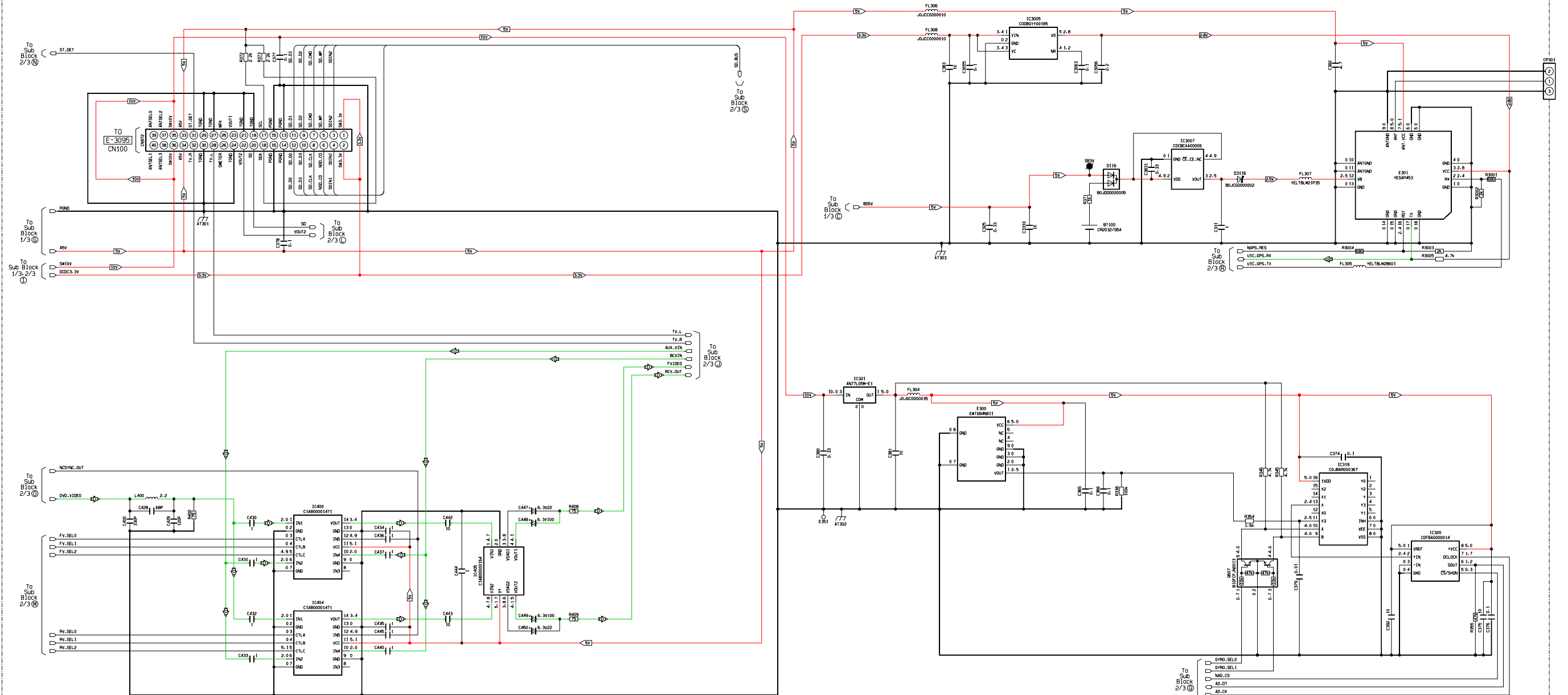


# 8.10. Sub Block-3

E-9733A

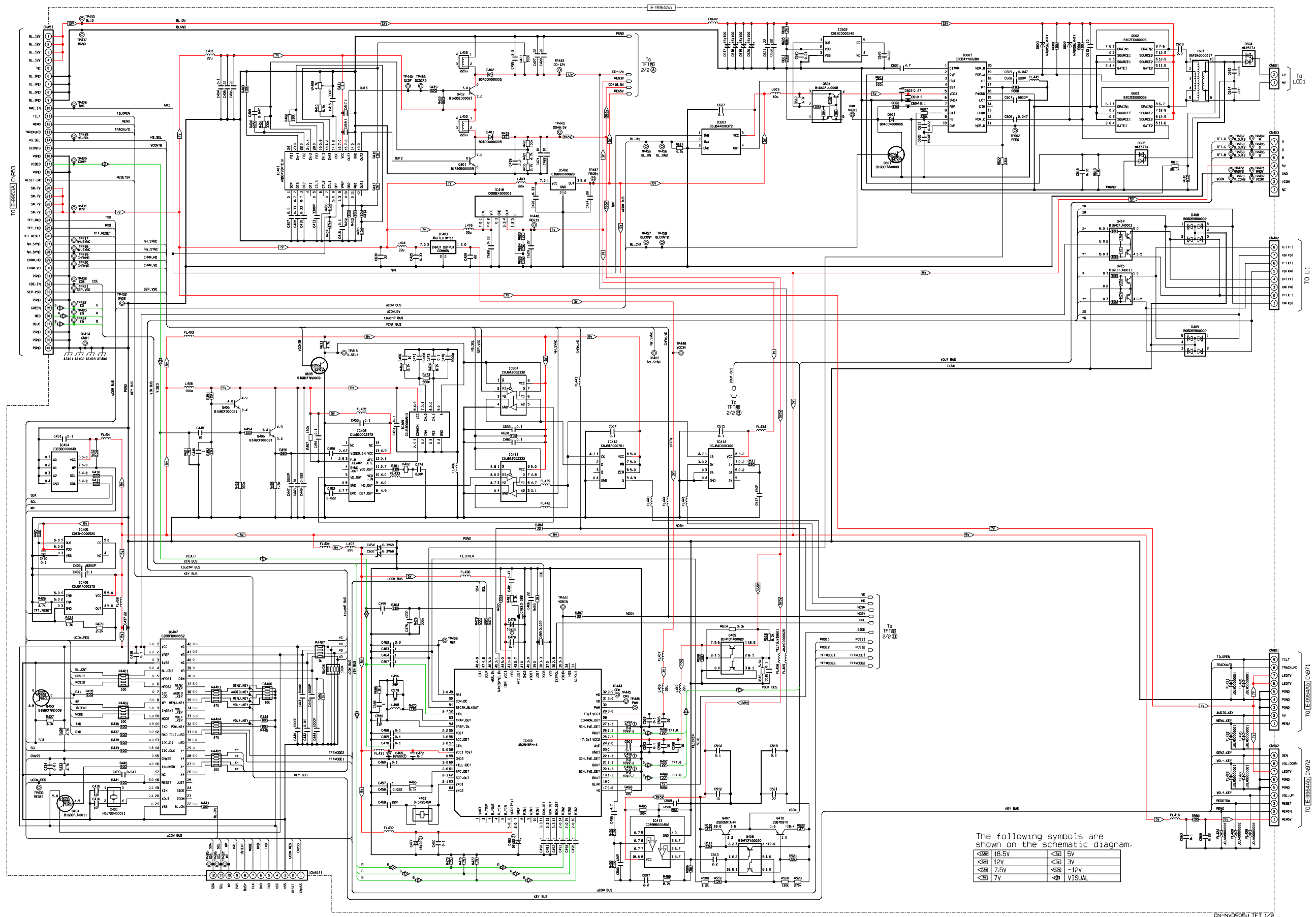
The following symbols are shown on the schematic diagram.

<E97>	10V	<E270>	2.5V
<E97>	5V	<E270>	GPS
<E378>	3.3V	<E270>	VISUAL
<E80>	2.8V		



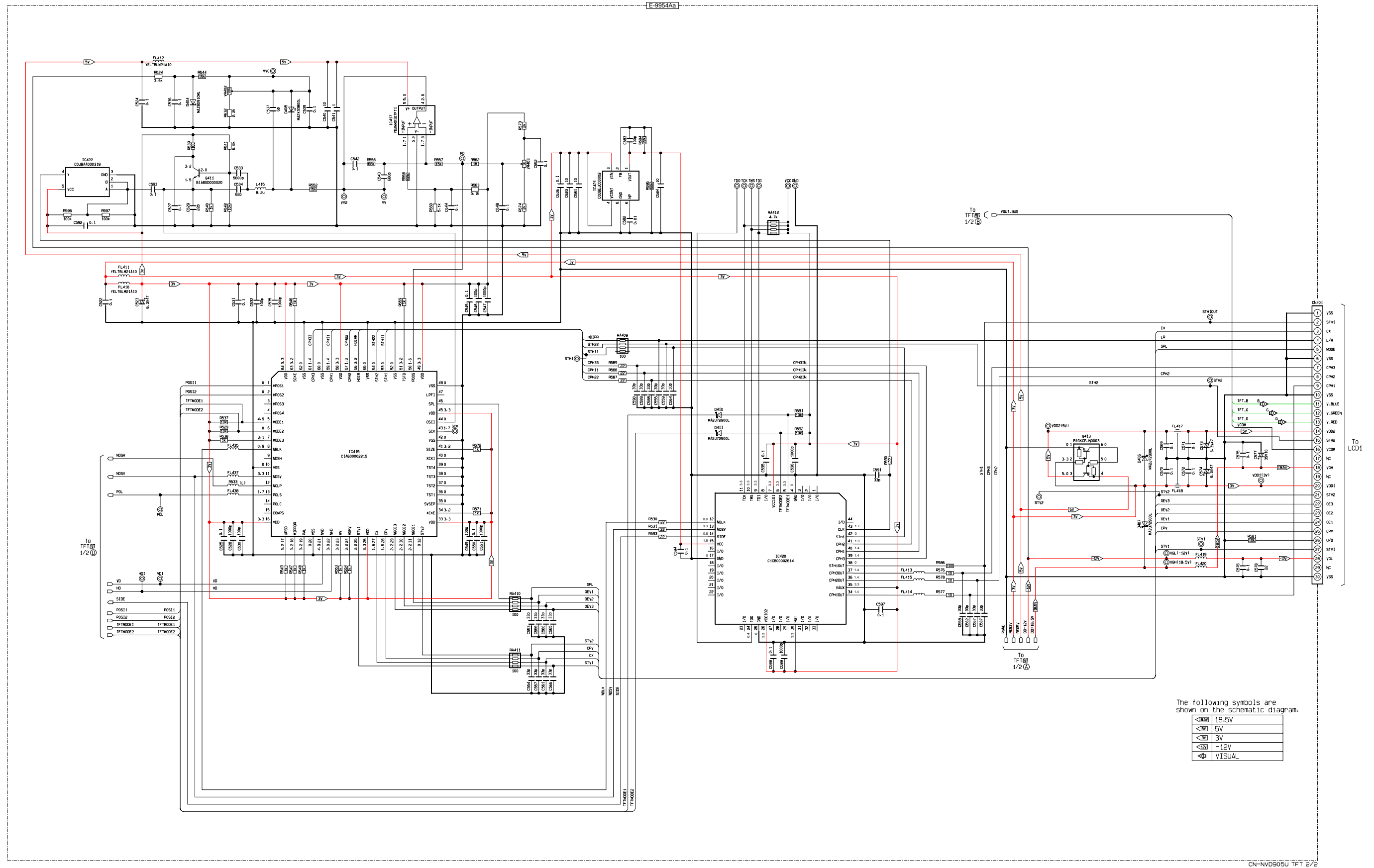
CN-NV0905U SUB 3/3

# 8.11. TFT Block-1

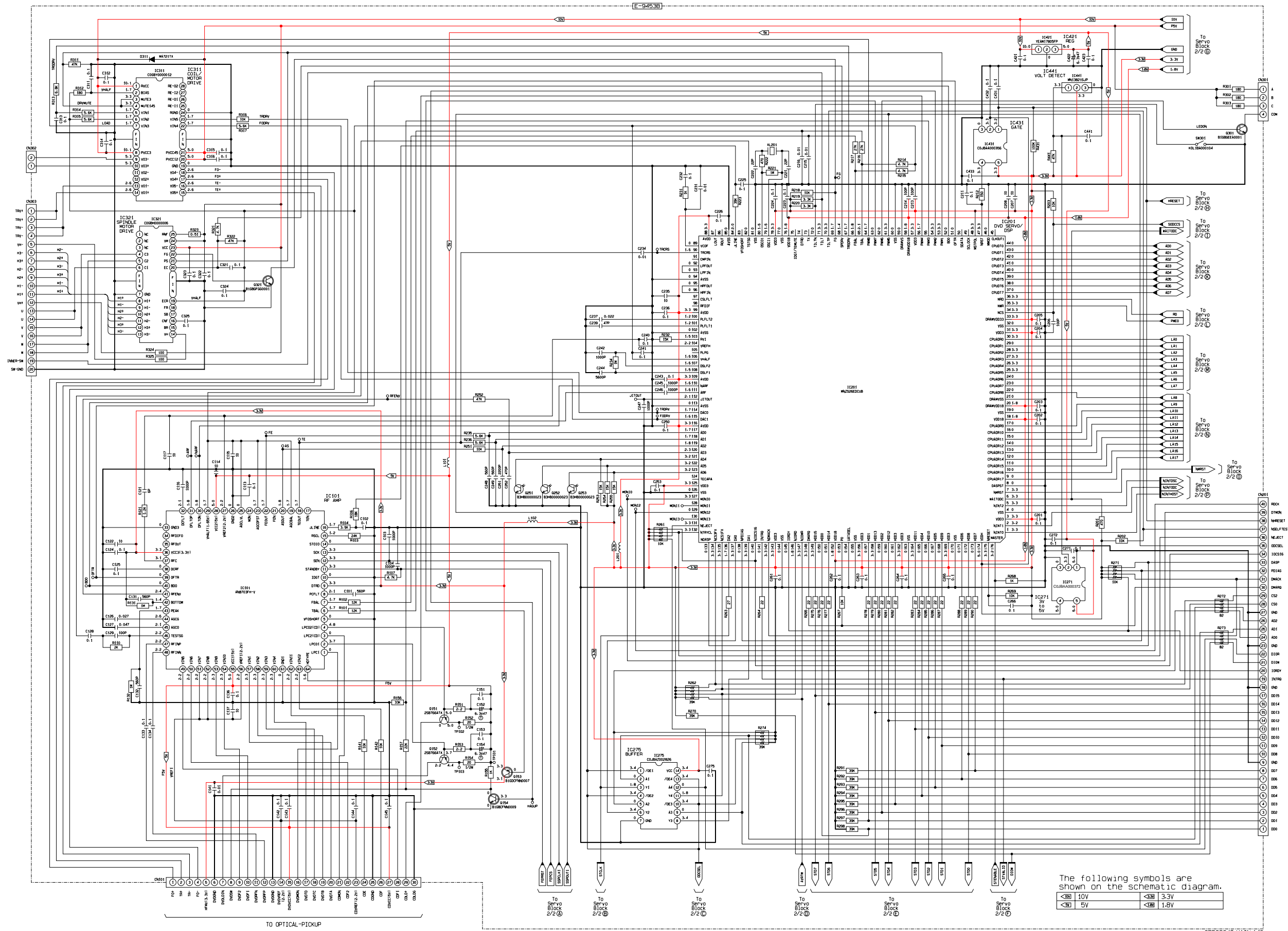


The following symbols are shown on the schematic diagram.


## 8.12. TFT Block-2



# 8.13. DVD Servo Block-1

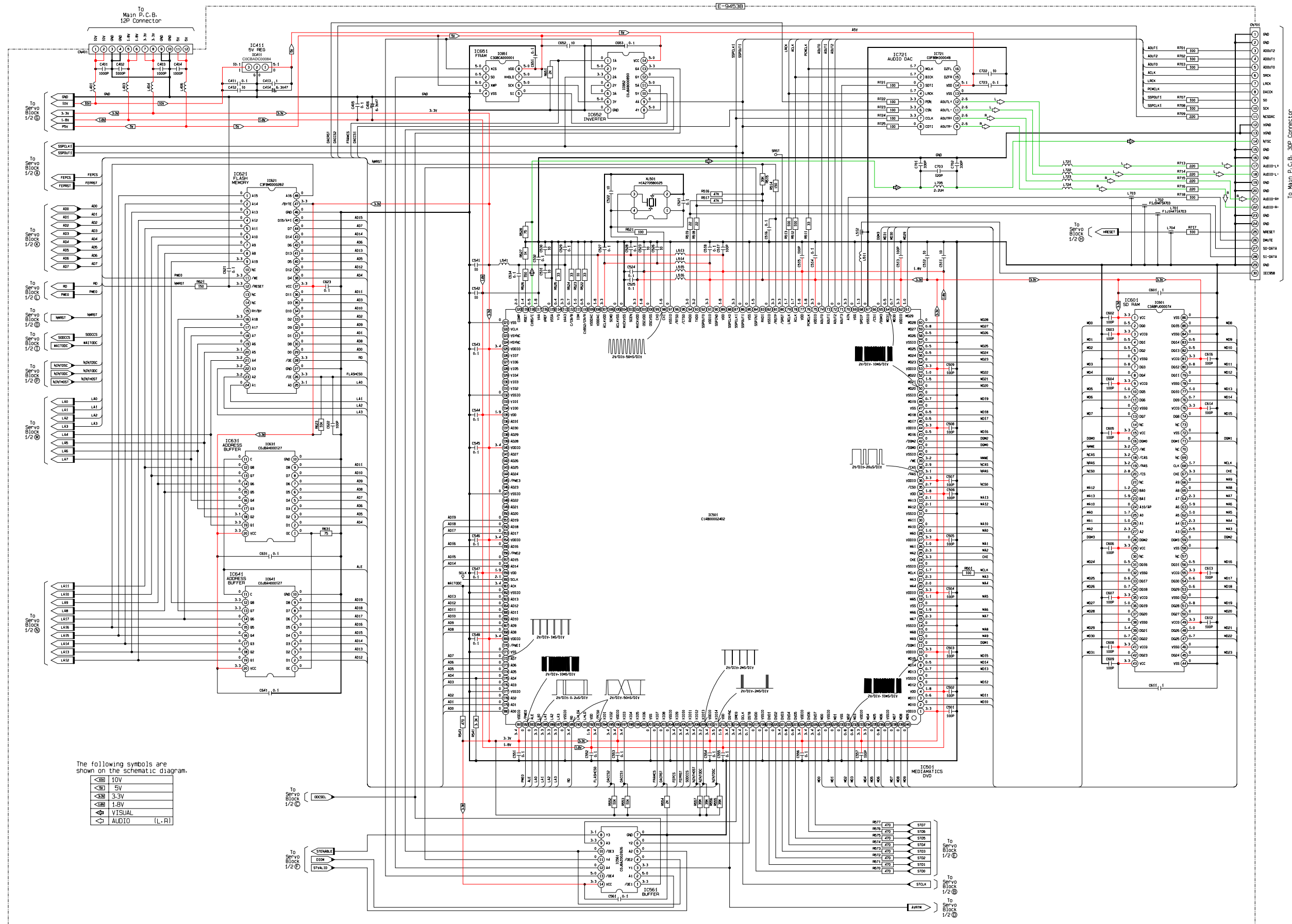


The following symbols are shown on the schematic diagram.

	10V
	3.3V
	5V
	1.8V

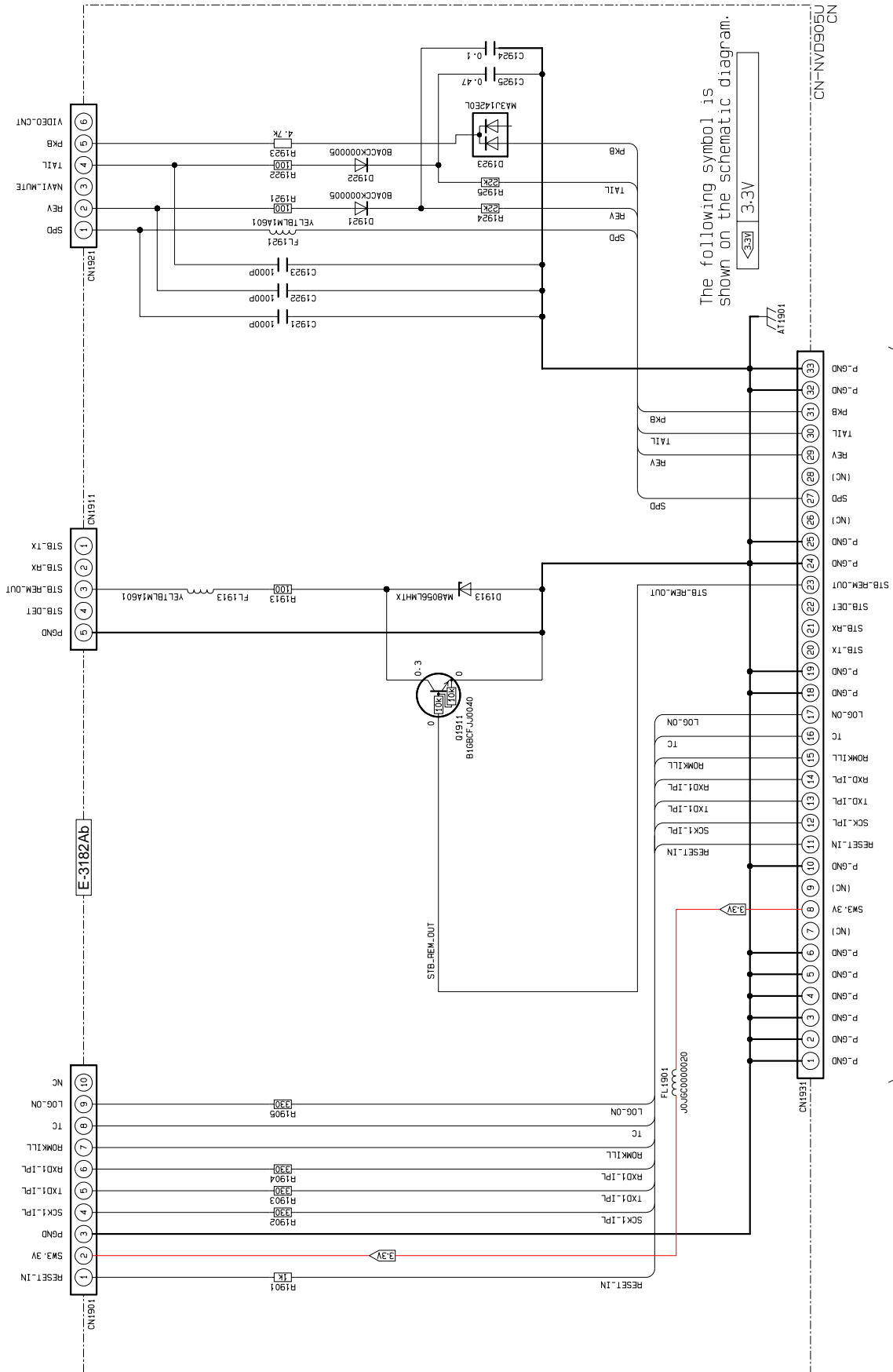


# 8.14. DVD Servo Block-2



# 9 Schematic Diagram-2

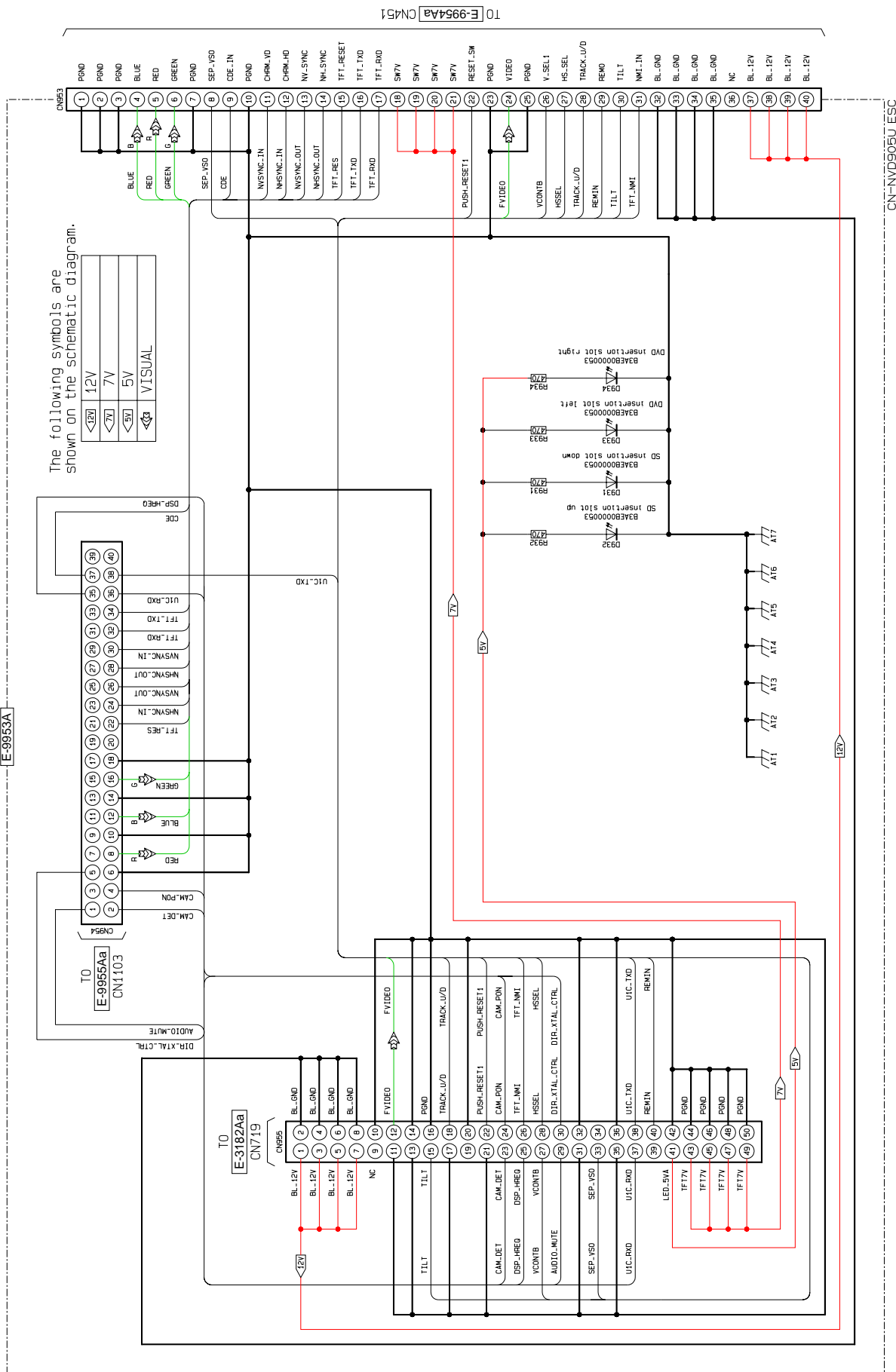
## 9.1. Connector Block



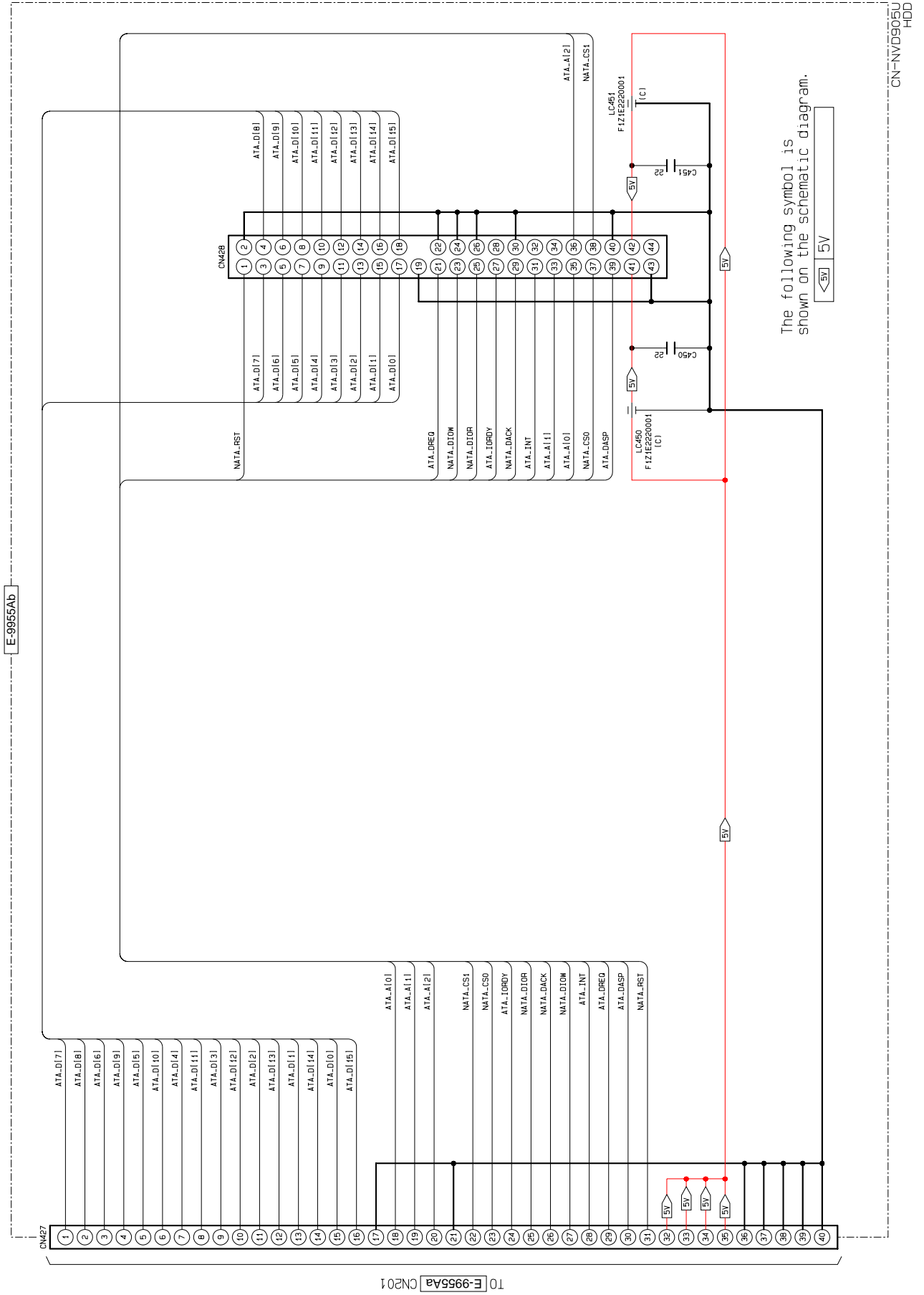
TO [E-9955Aa] CN700



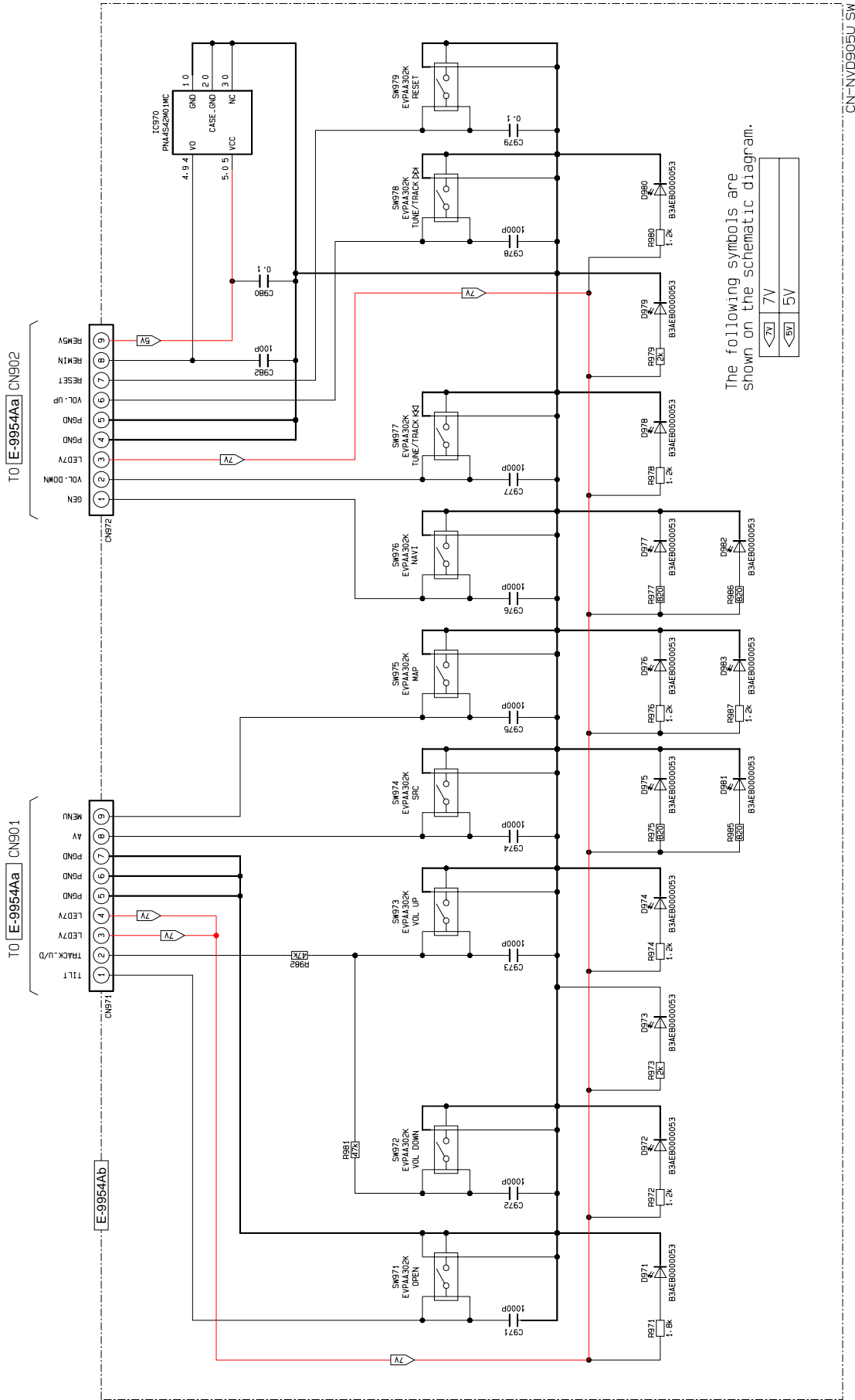
## 9.2. ESC Block



### 9.3. HDD Block



# 9.4. SW Block



The following symbols are shown on the schematic diagram.

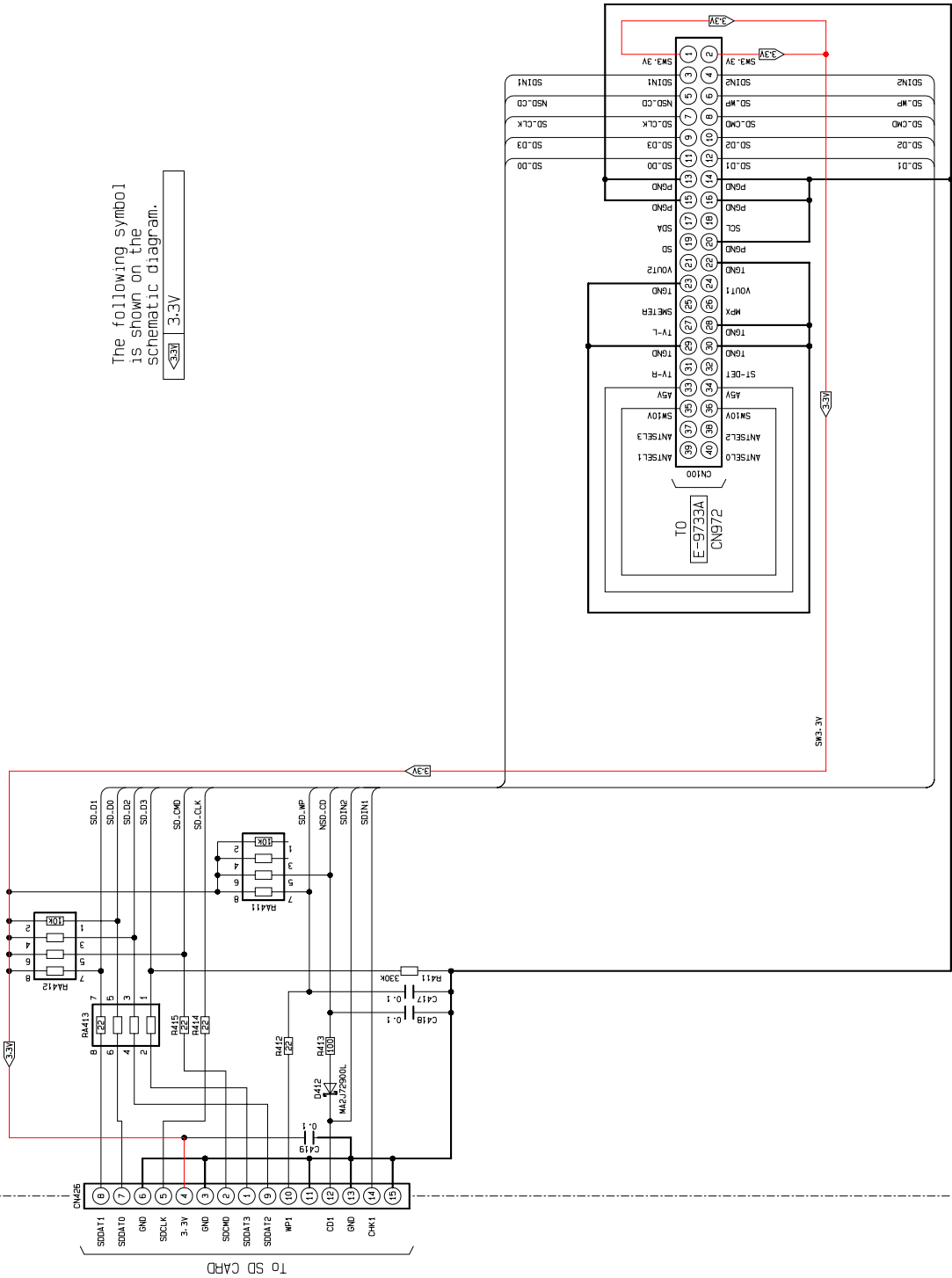


CN-NVD905U SW

# 9.5. Tuner Block

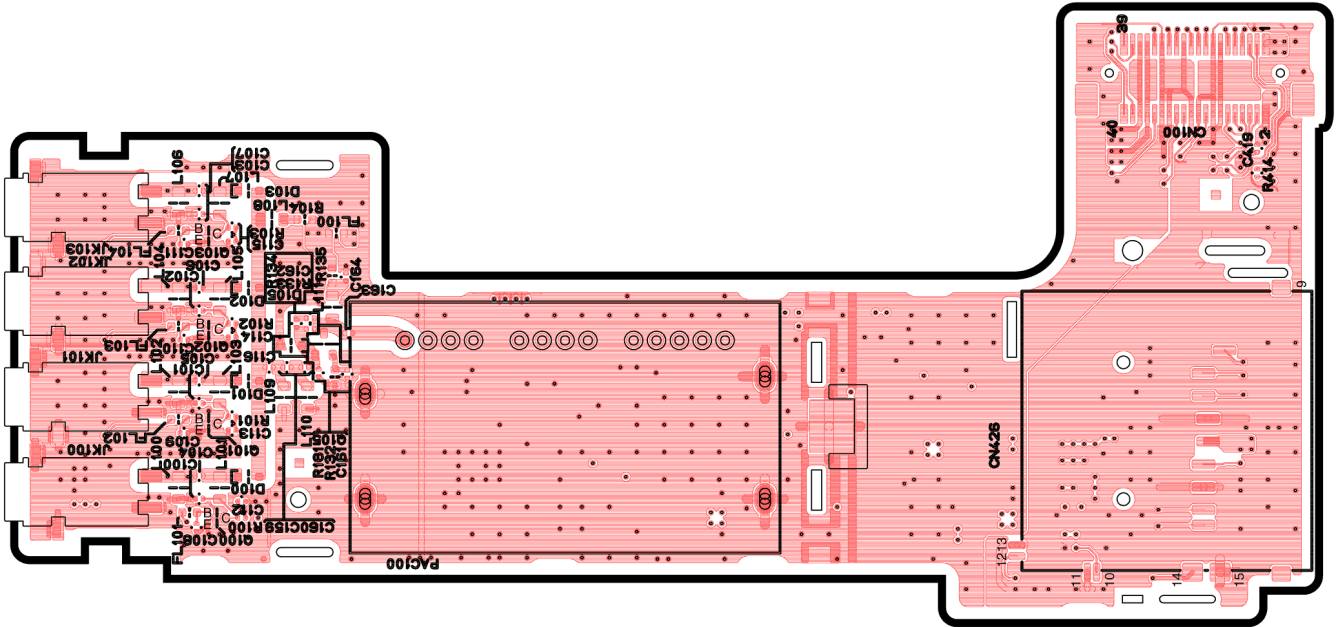
E-3095

The following symbol is shown on the schematic diagram.

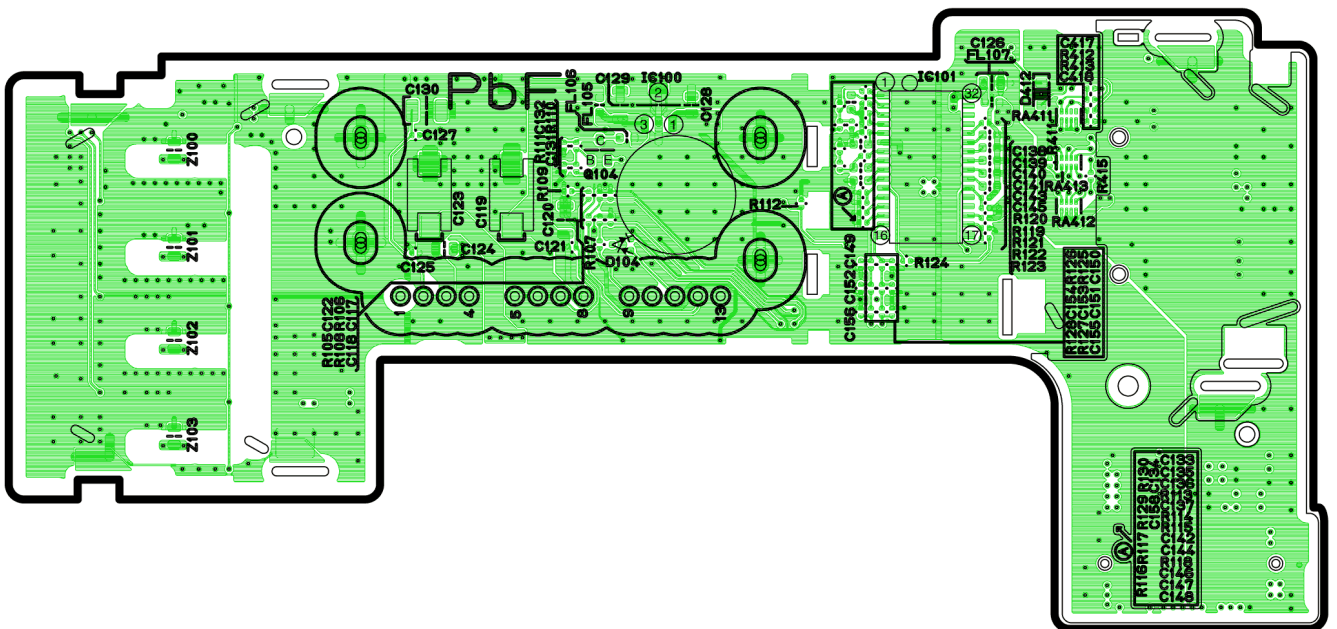


# 10 Printed Circuit Board

## 10.1. Tuner Block



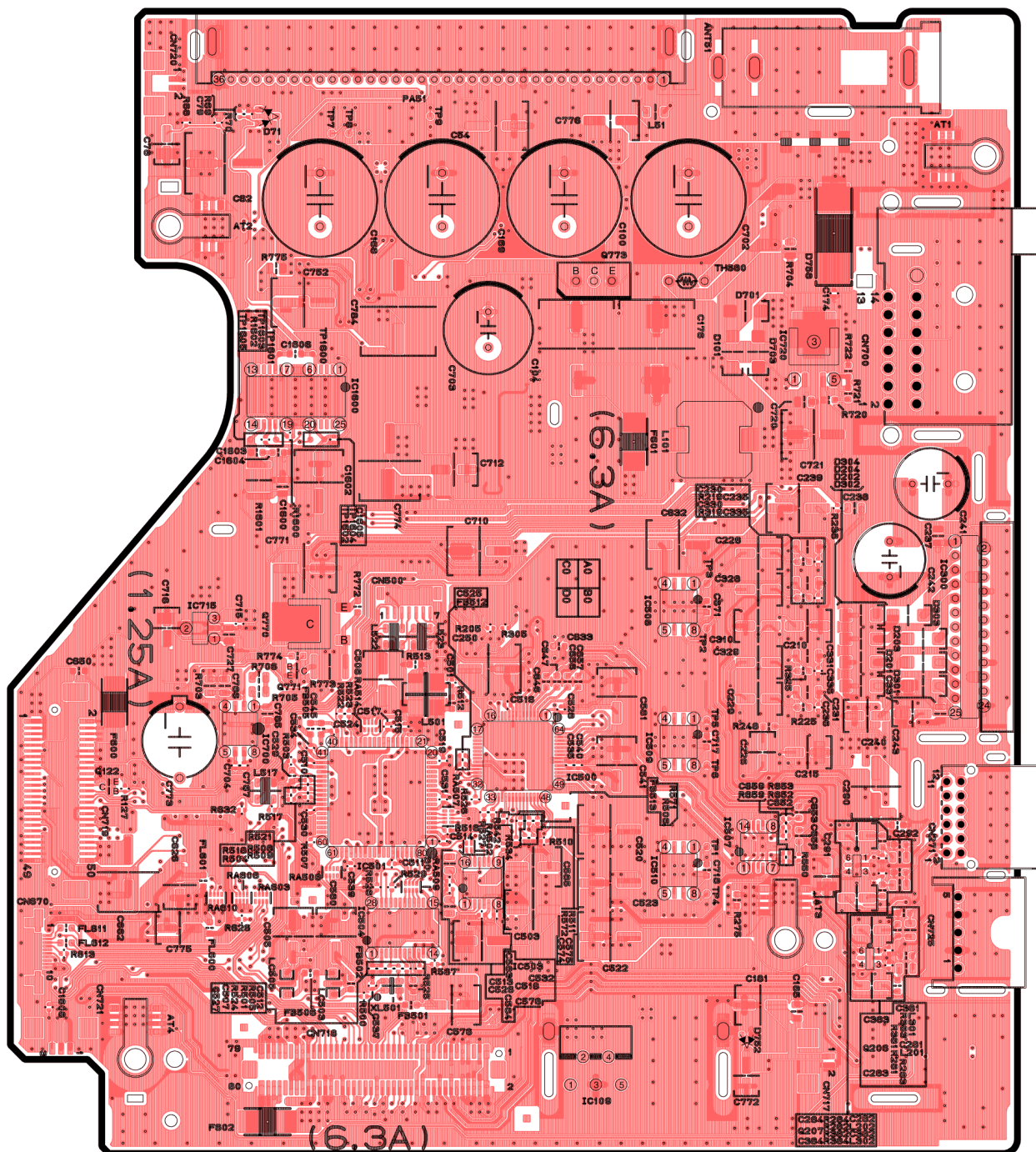
[E-3095] [Top View]



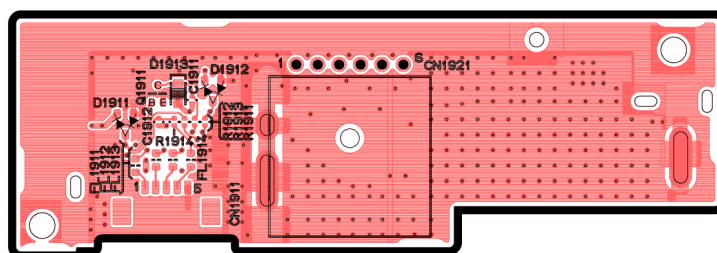
[E-3095] [Bottom View]

CN-NVD905U Tuner P.C.B

## 10.2. Main/Connector Block (Top View)



[E-3182Aa] [Top View]

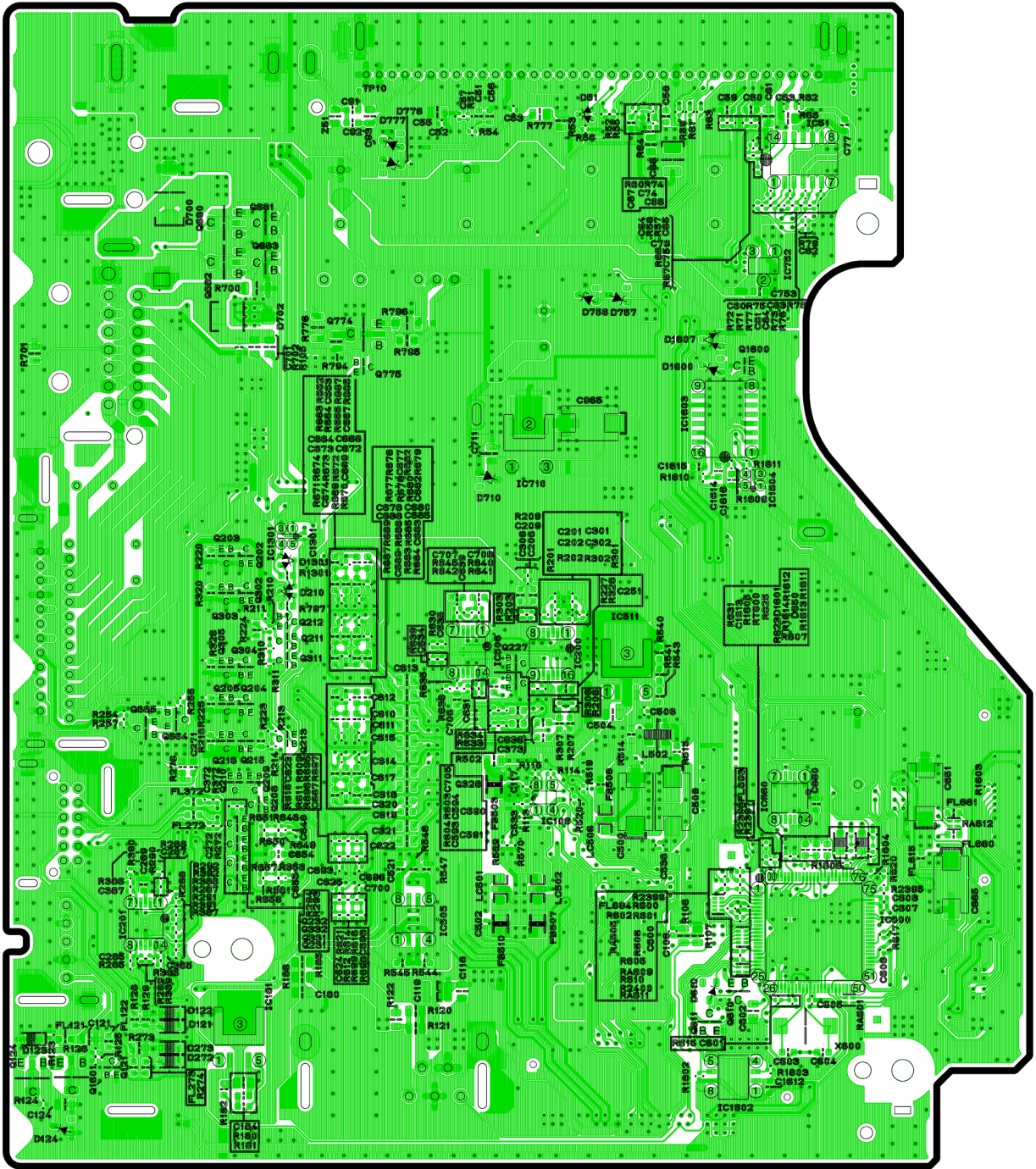


[E-3182Ab] [Top View]

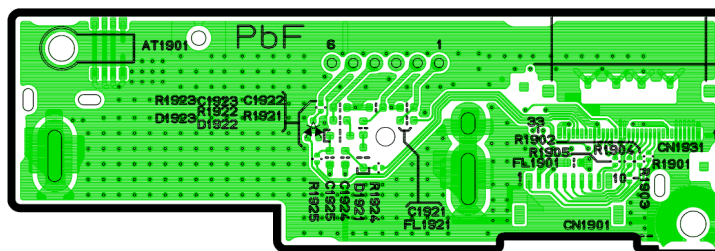
CN-NVD905U MAIN/CONNECTOR P.C.B



### 10.3. Main/Connector Block (Bottom View)



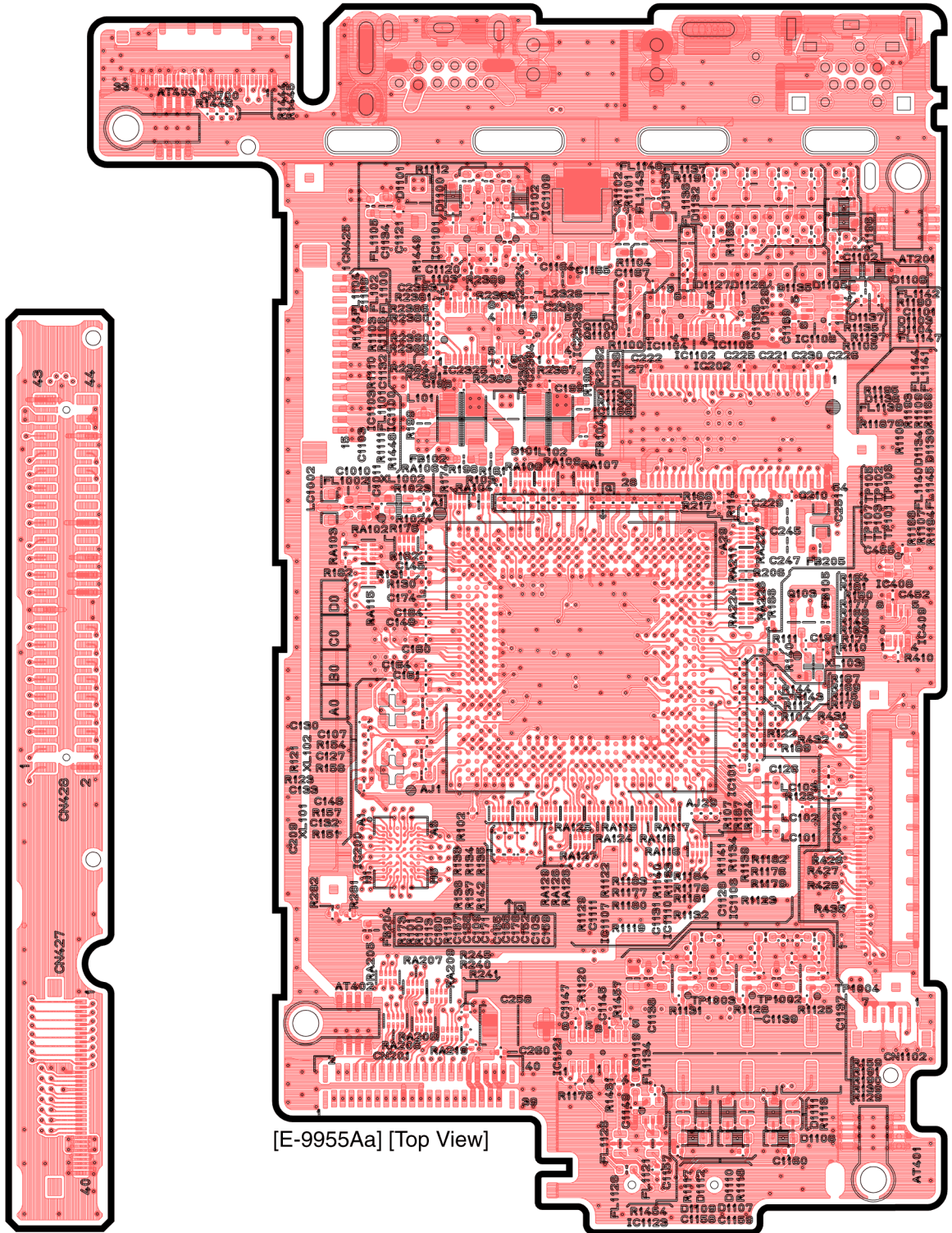
[E-3182Aa] [Bottom View]



[E-3182Ab] [Bottom View]

CN-NVD905U MAIN/CONNECTOR P.C.B

# 10.4. Navi/HDD Block (Top View)

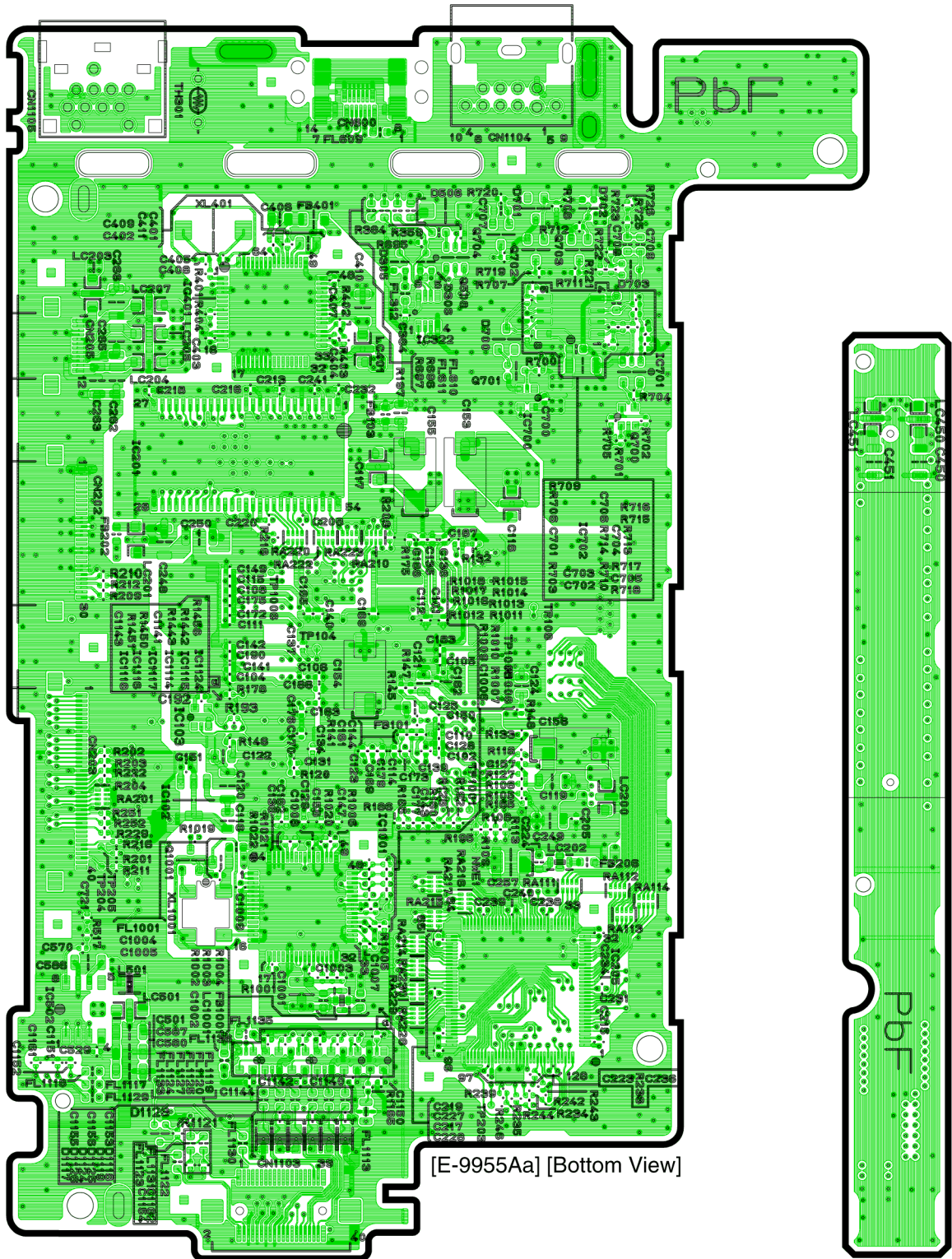


[E-9955Aa] [Top View]

[E-9955Ab] [Top View]



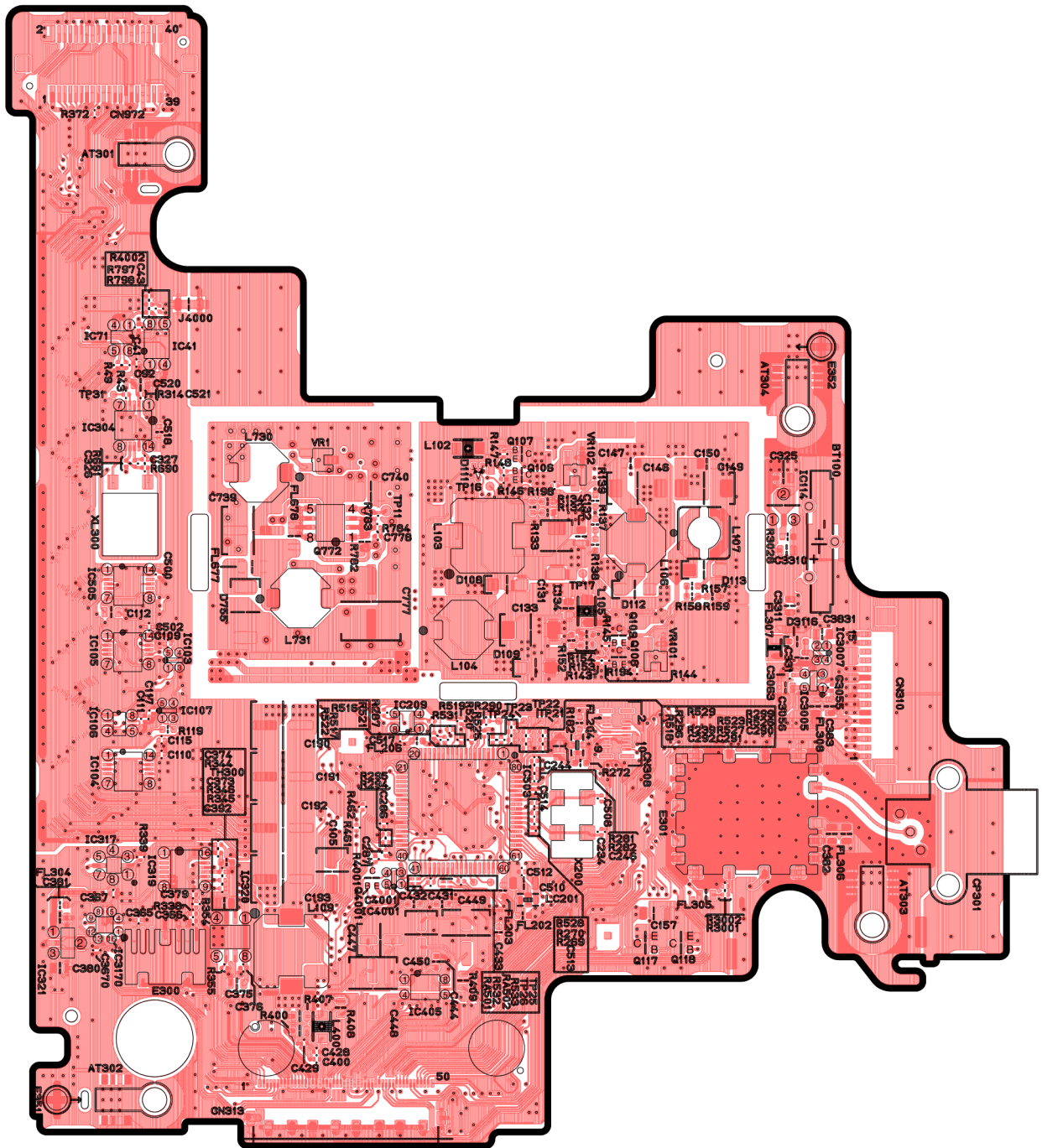
10.5. Navi/HDD Block (Bottom View)



[E-9955Aa] [Bottom View]

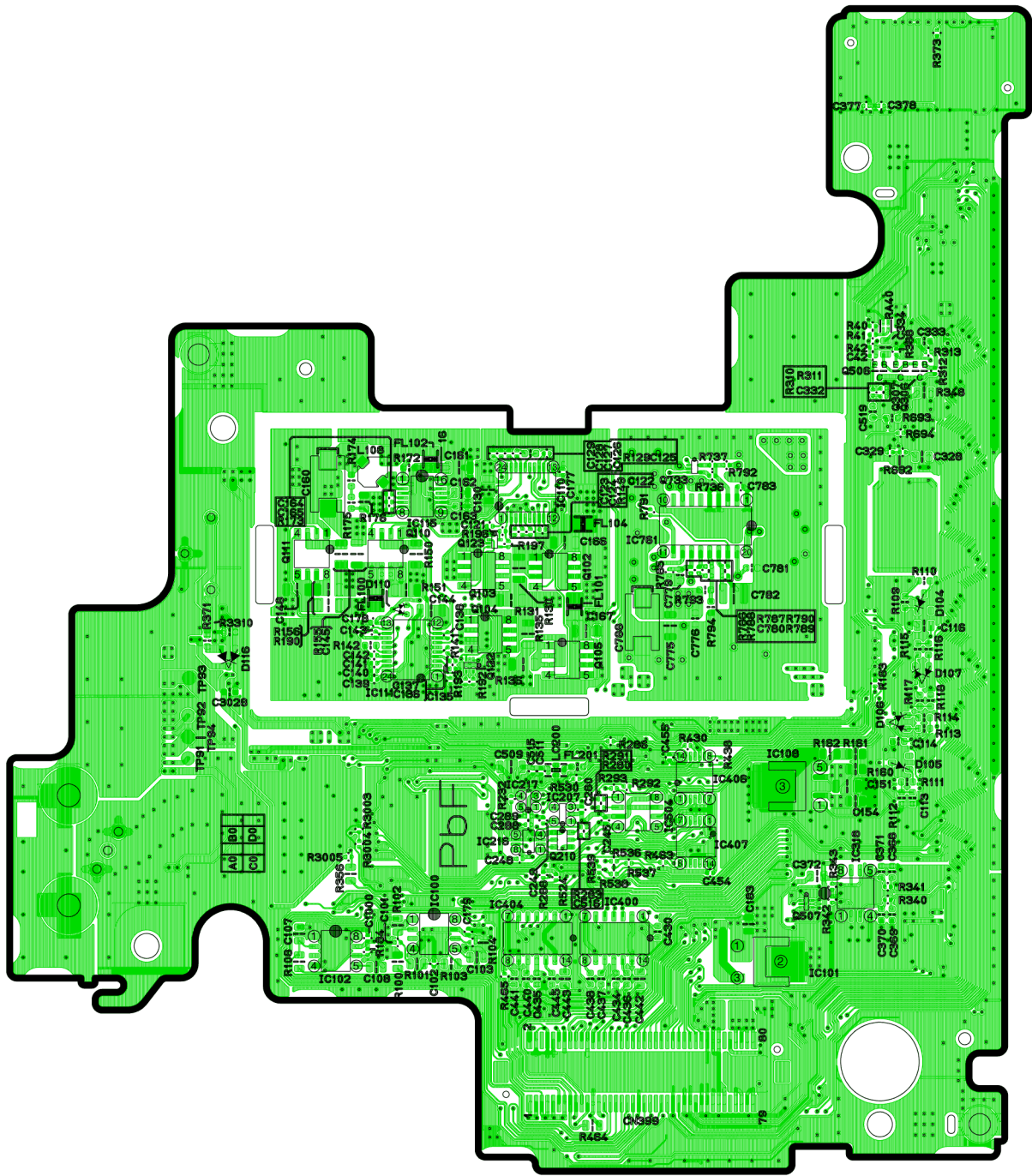
[E-9955Ab]  
[Bottom View]

## 10.6. Sub Block (Top View)



[E-9733A] [Top View]

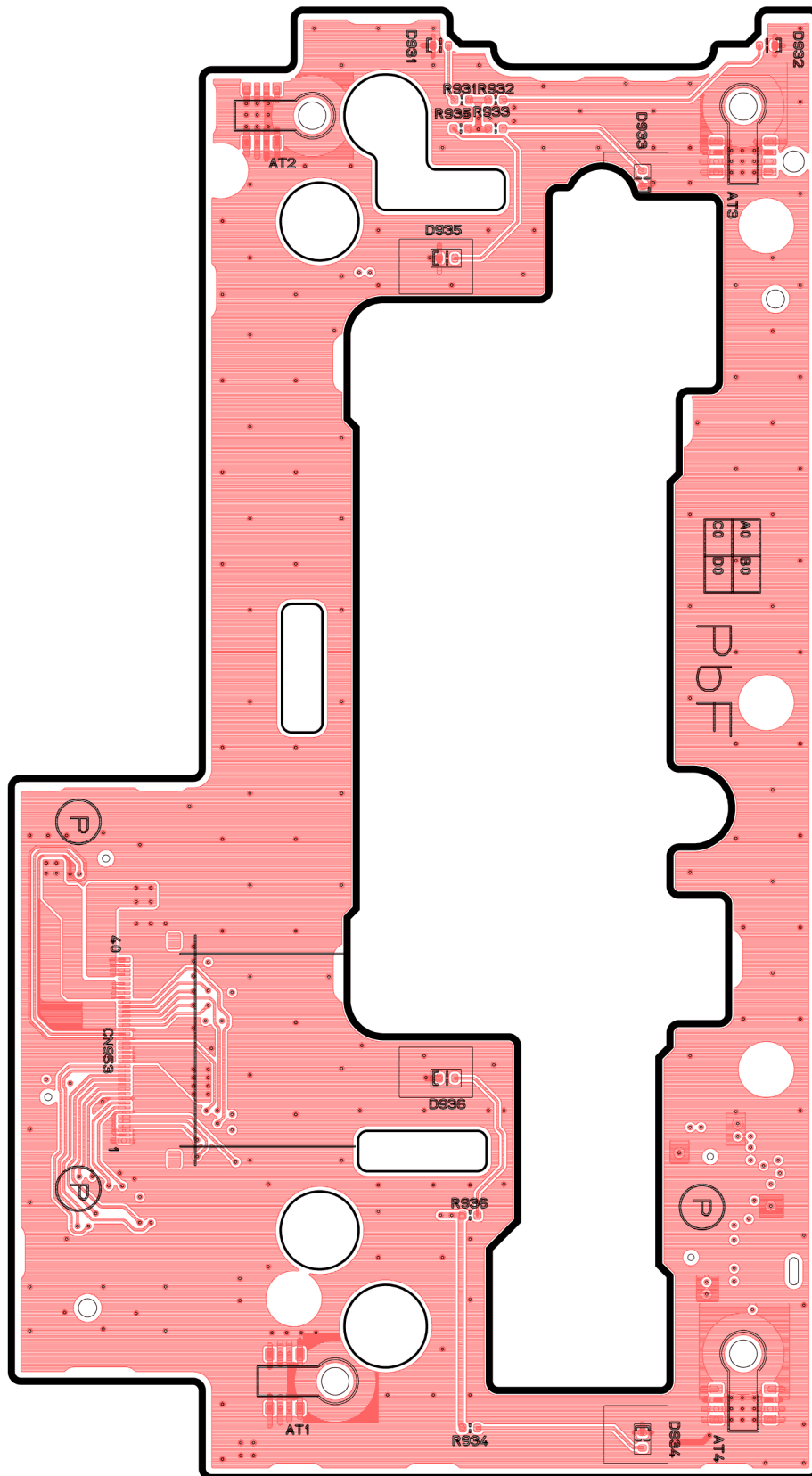
# 10.7. Sub Block (Bottom View)



[E-9733A] [Bottom View]

CN-NVD905U Sub P.C.B

## 10.8. ESC Block (Top View)

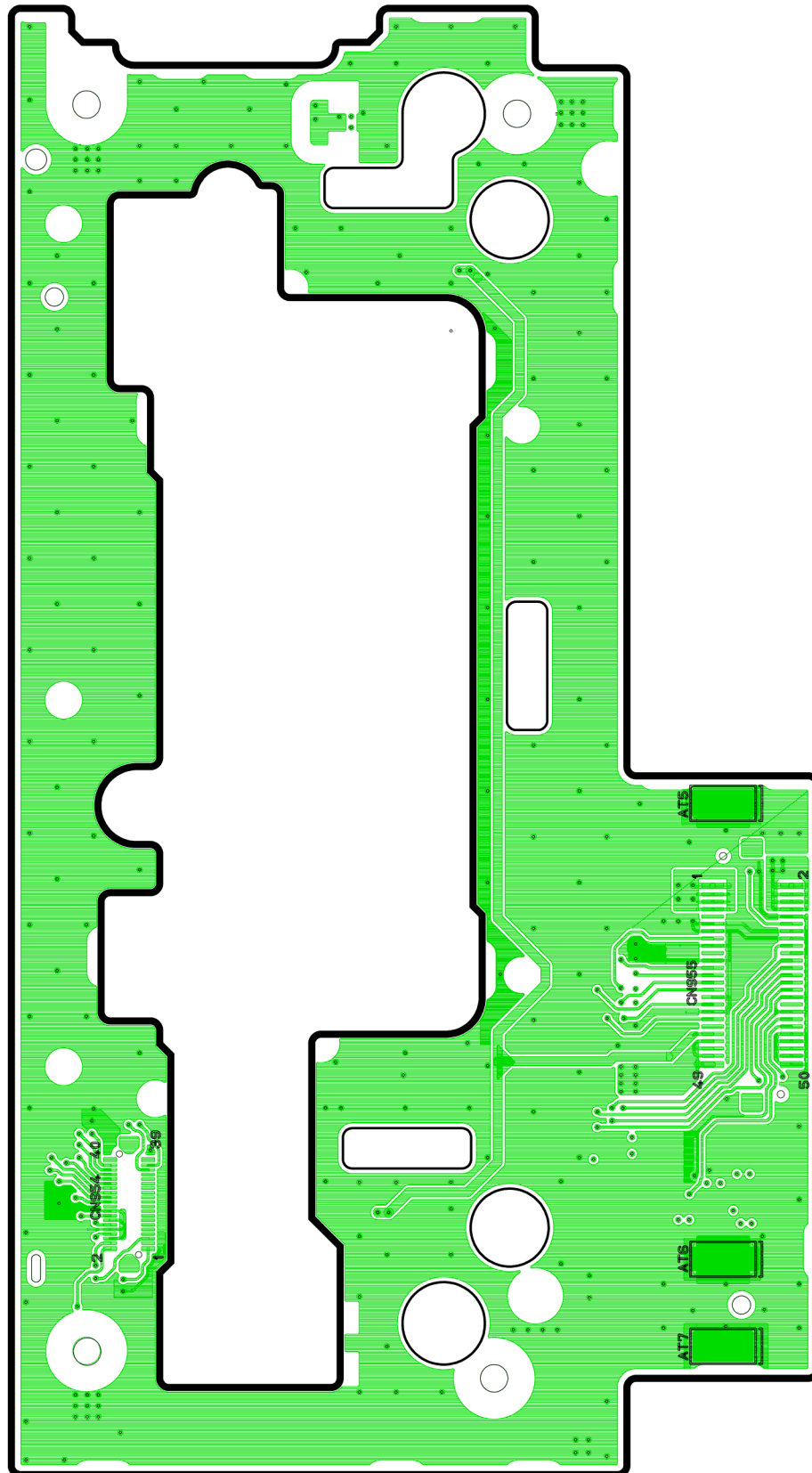


[E-9953A] [Top View]

CN-NVD905U ESC P.C.B



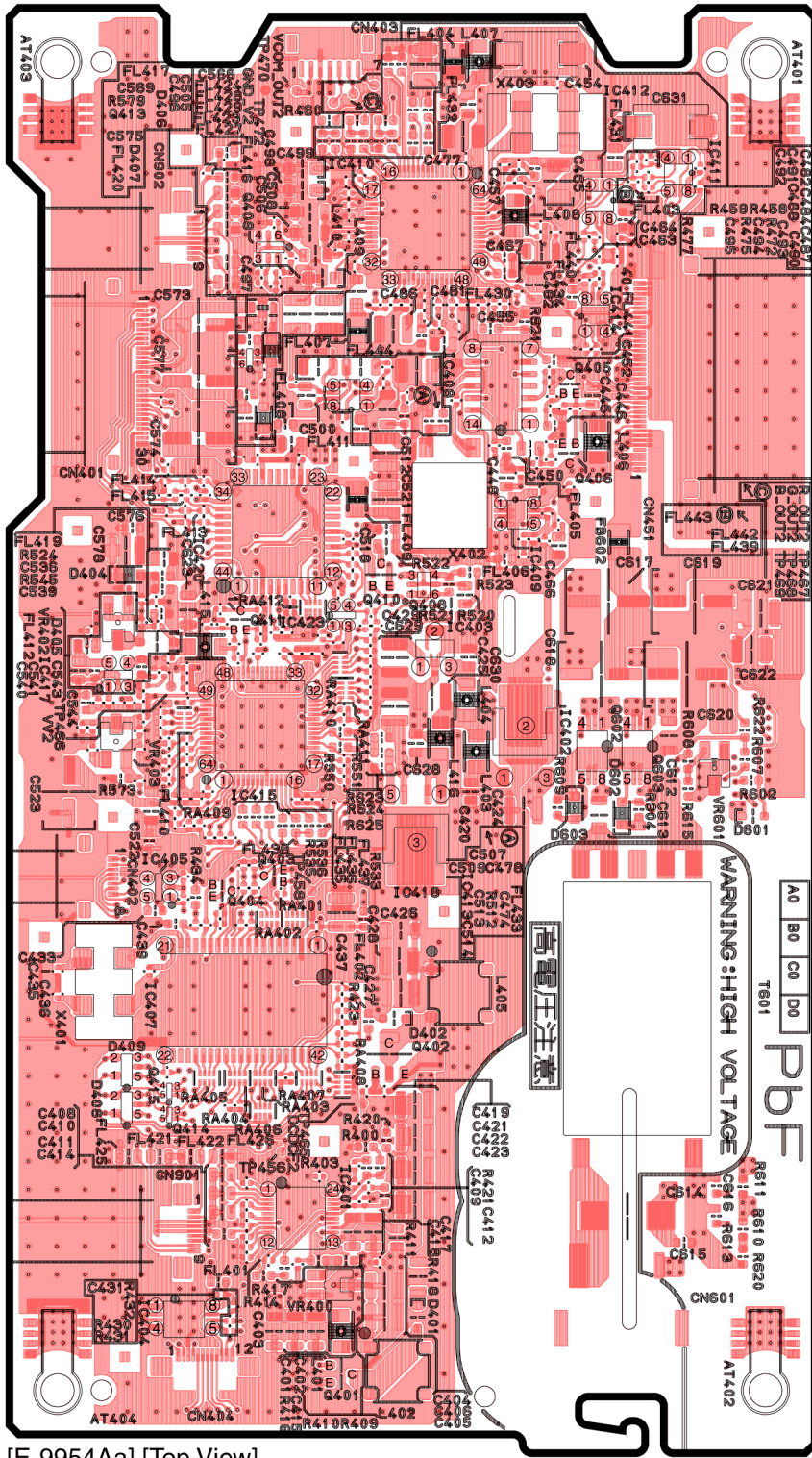
## 10.9. ESC Block (Bottom View)



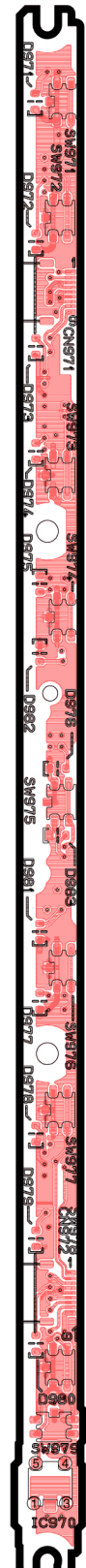
[E-9953A] [Bottom View]

CN-NVD905U ESC P.C.B

# 10.10. TFT/SW Block (Top View)



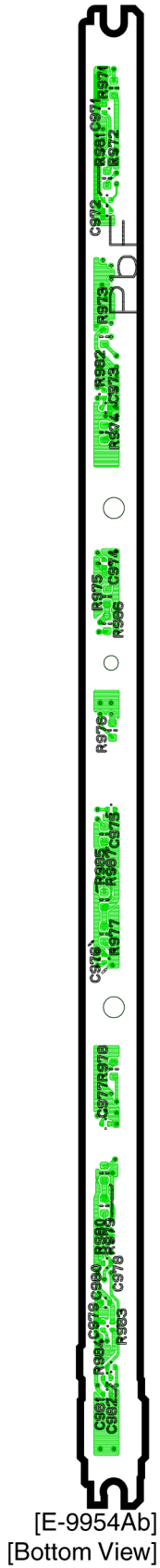
[E-9954Aa] [Top View]



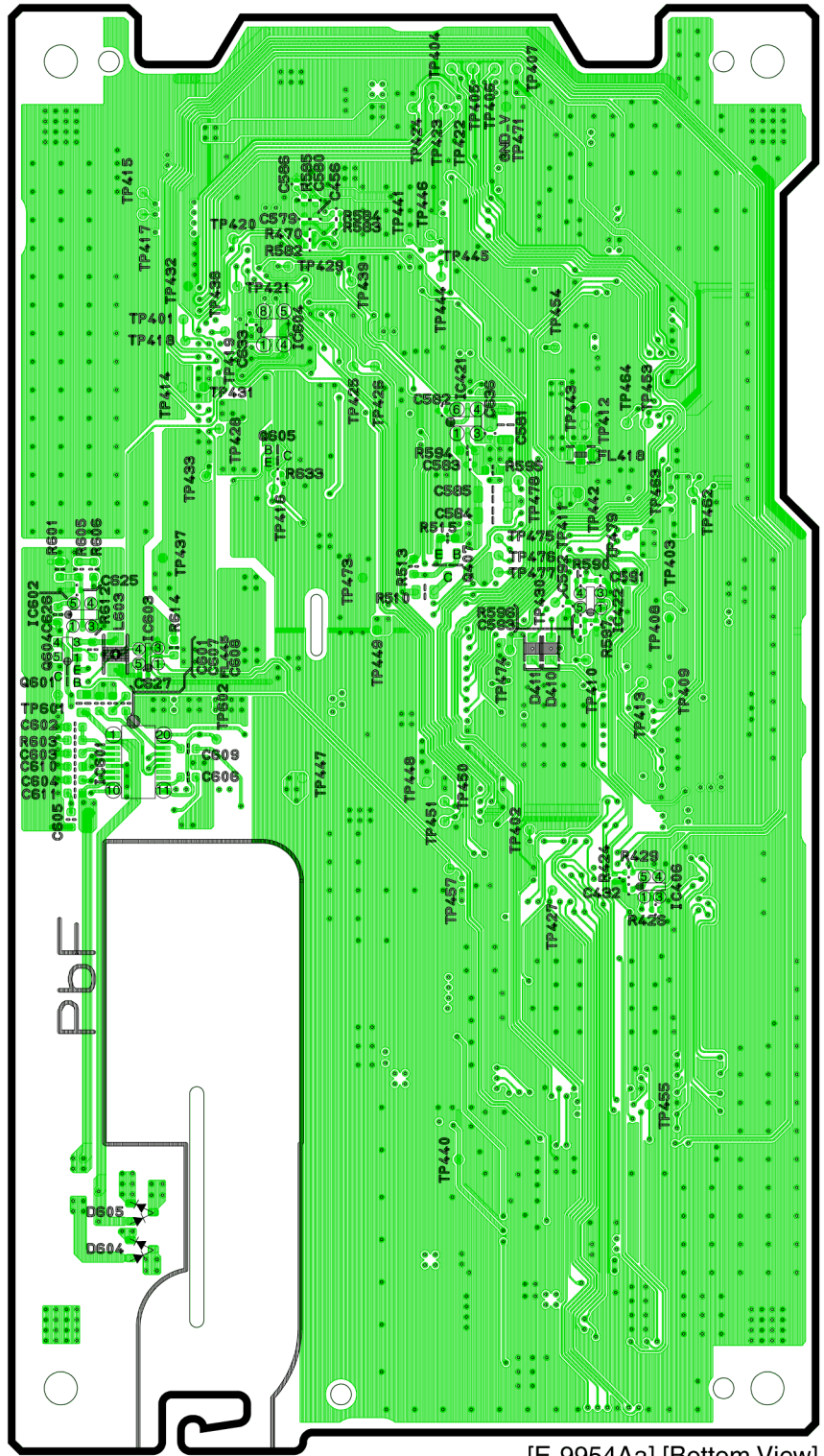
[E-9954Ab]  
[Top View]

CN-NVD905U TFT/SW P.C.B

# 10.11. TFT/SW Block (Bottom View)



[E-9954Ab] [Bottom View]

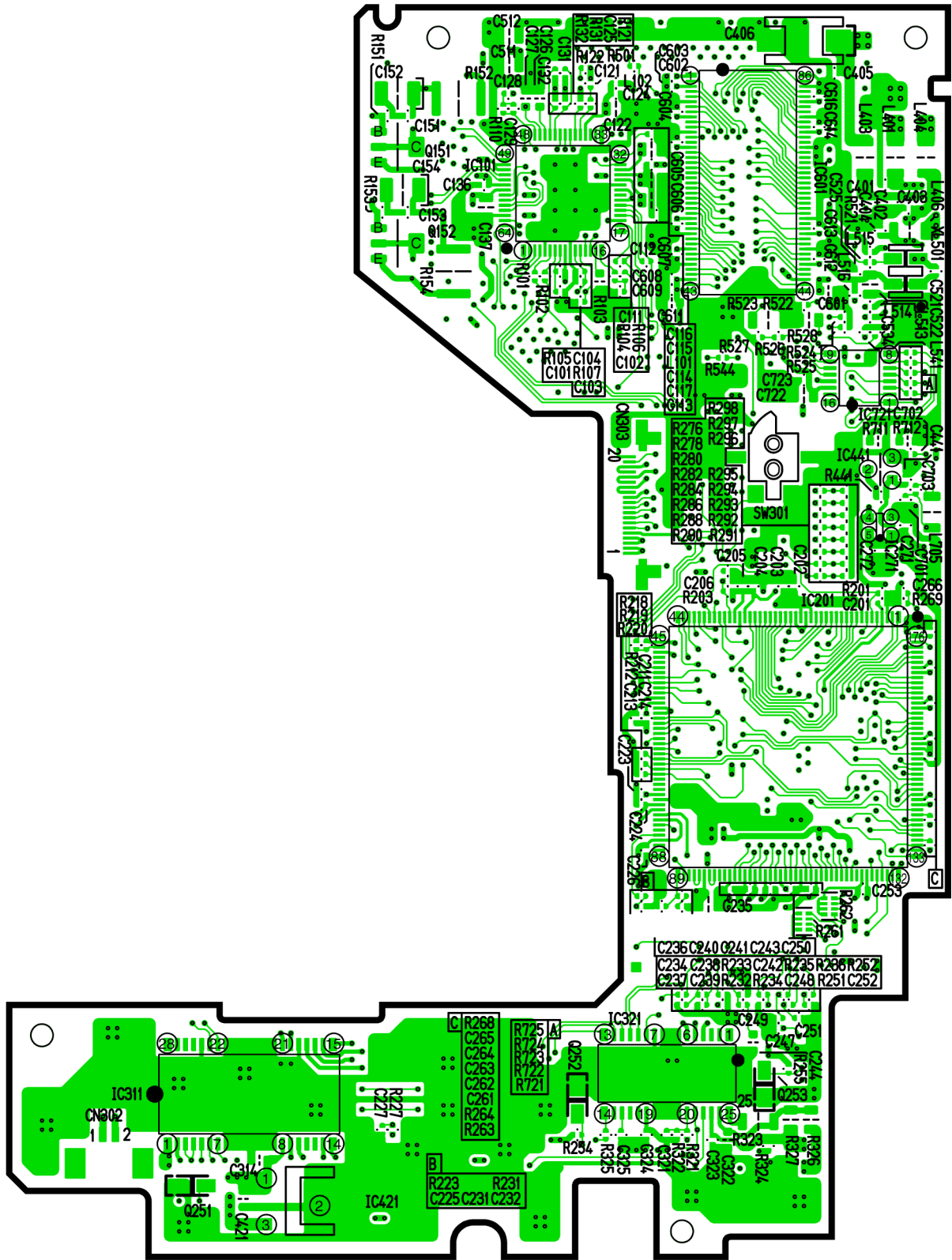


[E-9954Aa] [Bottom View]





# 10.13. DVD Servo Block (Bottom View)

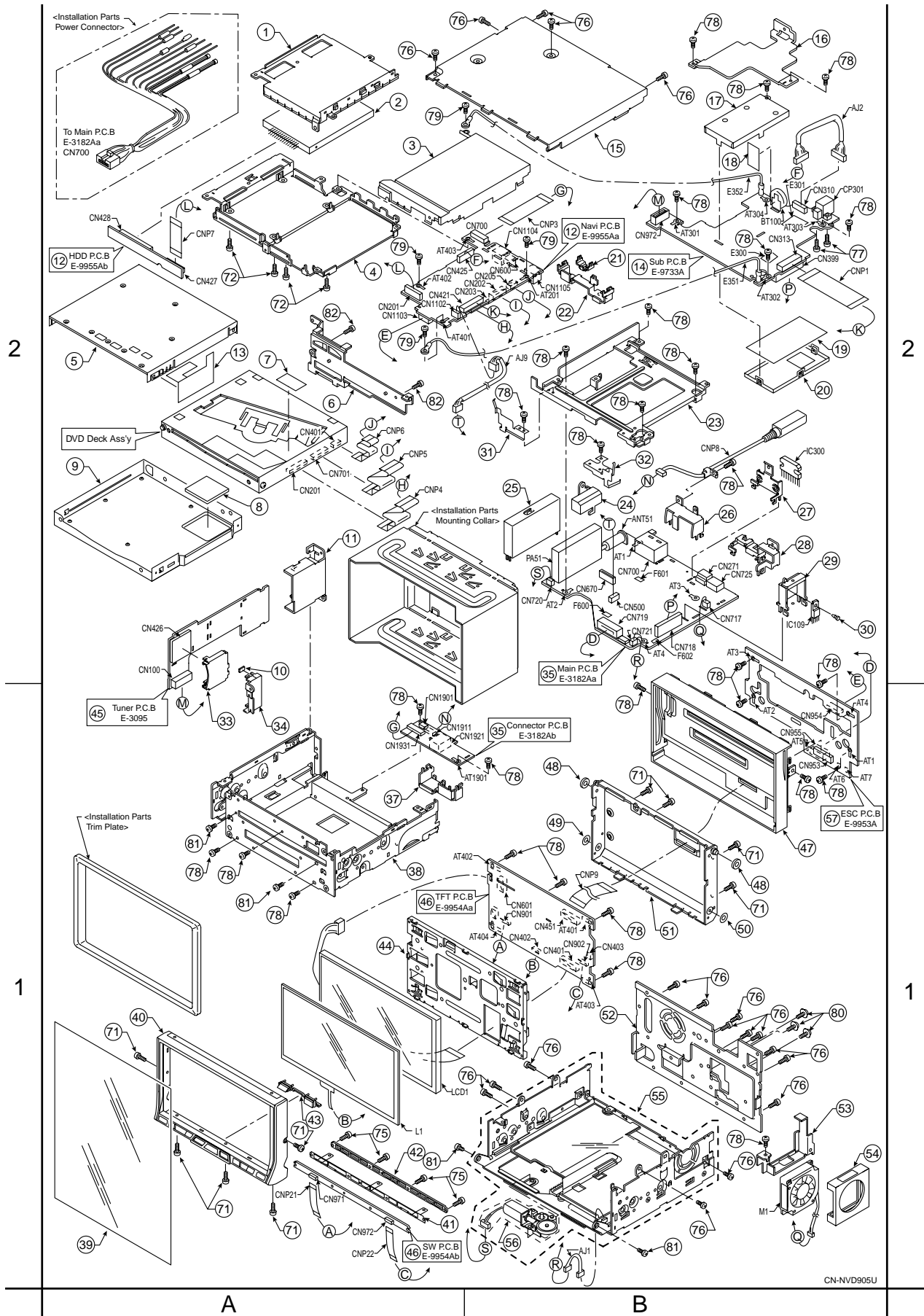


[E-9453B] [Bottom View]

GFD69248 DVD Servo P.C.B

# 11 Exploded View and Replacement Parts List

## 11.1. Exploded View [CN-NVD905U]



CN-NVD905U

## 11.2. Replacement Parts List [CN-NVD905U]

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by  $\Delta$  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
  - Order intake period is basically six months after the first shipment.
5. Reference materials of parts with the "TSN" mark in the remarks column are uploaded in the TSN (Technical Service Navigation) system website. Please download from that website for references.

Ref. No.	Part No.	Part Name & Description	Remarks
<b>[E3182A] Main/Connector Block</b>			
<b>IC's AND TRANSISTORS</b>			
IC51	C0ABCB000077	IC	
IC106	C0JBAZ002222	IC	
IC109	C0CAAYG00005	IC	
IC181	C0DBEKG00001	IC	
IC200	C0JBAR000367	IC	
IC201	C0ABCB000051	IC	
IC300	C1ZAZ0001450	IC	
IC500	C0FBZK000010	IC	
IC501	C2HBZK000001	IC	
IC503	C0FBAK000003	IC	
IC504	C1BB00000634	IC	
IC505	C0ABEB000066	IC	
IC506	C0ABCB000051	IC	
IC507	C0ABCB000051	IC	
IC508	C0ABBB000263	IC	
IC509	C0ABBB000263	IC	
IC510	C0ABBB000263	IC	
IC511	C0DBEGE00002	IC	
IC600	C2DBYY000215	IC	
IC660	C0JBAB000888	IC	
IC700	AN8065S-E1V	IC	
IC710	C1BB00000828	IC	
IC715	AN77L05M-E1	IC	
IC720	C0DBEKG00001	IC	
IC752	AN77L05M-E1	IC	
IC1301	C0JBAE000390	IC	
IC1600	C0GBG0000032	IC	
IC1603	C0JBAM000156	IC	
PA51	YEP0PTB555C0	Electronic Tuner	
Q121	B1GBCFLL0012	Transistor	
Q122	B1GBCFLL0012	Transistor	
Q124	B1BBAC000014	Transistor	
Q202	B1GDCFJA0024	Transistor	
Q203	YEANC323TUTX	Transistor	
Q204	B1GDCFJA0024	Transistor	
Q205	YEANC323TUTX	Transistor	
Q206	XNOF26100L	Transistor	
Q207	XNOF26100L	Transistor	
Q208	B1GDCFLL0030	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q209	B1GBCFJJ0040	Transistor	
Q210	B1GBCFJJ0040	Transistor	
Q211	B1GDCFLL0030	Transistor	
Q212	B1GBCFJJ0040	Transistor	
Q213	B1GDCFLL0030	Transistor	
Q215	B1GDCFJA0024	Transistor	
Q216	YEANC323TUTX	Transistor	
Q227	B1GBCFJJ0040	Transistor	
Q231	B1GDCFJJ0008	Transistor	
Q232	B1GDCFJJ0008	Transistor	
Q302	B1GDCFJA0024	Transistor	
Q303	YEANC323TUTX	Transistor	
Q304	B1GDCFJA0024	Transistor	
Q305	YEANC323TUTX	Transistor	
Q311	B1GDCFLL0030	Transistor	
Q328	B1GBCFJJ0040	Transistor	
Q331	B1GDCFJJ0008	Transistor	
Q332	B1GDCFJJ0008	Transistor	
Q610	B1GDKFEJ0005	Transistor	
Q611	YEANC114YKX	Transistor	
Q680	B1GBNCEJ0003	Transistor	
Q681	YEANC114YKX	Transistor	
Q682	B1GBNCEJ0003	Transistor	
Q683	YEANC114YKX	Transistor	
Q684	B1GBCFNN0004	Transistor	
Q685	YEANC114YKX	Transistor	
Q770	B1BDEL000002	Transistor	
Q771	B1GBCFJJ0040	Transistor	
Q773	2SD2139TA	Transistor	
Q774	B1GBNCEJ0003	Transistor	
Q775	B1GBCFJJ0040	Transistor	
Q1600	B1GBCFJJ0040	Transistor	
Q1601	2SB1440TX	Transistor	
Q1911	B1GBCFJJ0040	Transistor	
<b>DIODES</b>			
D51	B0ADDJ000007	Diode	
D71	MA153TX	Diode	
D101	YEADRB081L20	Diode	
D121	MAZ803300L	Diode	
D122	MAZ803300L	Diode	
D123	MAZ812000L	Diode	
D124	B0BC6R6A0054	Diode	
D201	B0JCME000012	Diode	
D202	B0JCME000012	Diode	
D203	B0JCME000012	Diode	
D204	B0JCME000012	Diode	
D210	MA3J142E0L	Diode	
D272	MAZ803300L	Diode	
D273	MAZ803300L	Diode	
D301	B0JCME000012	Diode	
D302	B0JCME000012	Diode	
D303	B0JCME000012	Diode	
D304	B0JCME000012	Diode	
D610	MA3X152A0L	Diode	
D650	MA8056LMHTX	Diode	
D700	YEADDAM3MA47	Diode	
D701	YEADRB081L20	Diode	
D703	YEADRB081L20	Diode	
D710	MA721TX	Diode	
D752	MA3J142E0L	Diode	
D756	B0BC7R9A0054	Diode	
D757	MA3X152A0L	Diode	
D758	BOZAZ0000007	Diode	
D776	B0BC5R000020	Diode	
D777	B0BC5R000020	Diode	
D1301	B0JDBE000002	Diode	
D1600	B0BC6R6A0054	Diode	
D1601	MA8056LMHTX	Diode	
D1607	MA153TX	Diode	
D1913	MA8056LMHTX	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D1921	B0ACCK000005	Diode	
D1922	B0ACCK000005	Diode	
D1923	MA3J142E0L	Diode	
<b>CAPACITORS</b>			
C51	F1H1A154A007	Ceramic, 0.15µF 10WV	
C52	F1G1C1030008	Ceramic, 0.01µF 16WV	
C53	F1G1C1030008	Ceramic, 0.01µF 16WV	
C54	EEE1CA101WP	Electrolytic, 100µF 16WV	
C55	YECUS1C104KX	Ceramic, 0.1µF 16WV	
C57	F1G1C223A081	Ceramic, 0.022µF 16WV	
C58	YECUZ1E183KX	Ceramic, 0.018µF 25WV	
C59	F1H1E3330003	Ceramic, 0.033µF 25WV	
C60	F1H1E3330003	Ceramic, 0.033µF 25WV	
C61	F1J1A106A023	Ceramic, 10µF 10WV	
C62	EEEFK1A221P	Electrolytic, 220µF 10WV	
C63	F1G1C1030008	Ceramic, 0.01µF 16WV	
C66	F1G1C1030008	Ceramic, 0.01µF 16WV	
C67	F1H1C683A010	Ceramic, 0.068µF 16WV	
C68	F3G1C226A027	Tantalum, 22µF 16WV	
C75	F1G1H100A565	Ceramic, 10PF 50WV	
C76	F1G1H1020008	Ceramic, 1000PF 50WV	
C77	F1H1C1040012	Ceramic, 0.1µF 16WV	
C78	F2G1C100A118	Electrolytic, 10µF 16WV	
C79	F1G1C223A081	Ceramic, 0.022µF 16WV	
C80	F1G1H1020008	Ceramic, 1000PF 50WV	
C81	F1G1H151A566	Ceramic, 150PF 50WV	
C82	F1G1H151A566	Ceramic, 150PF 50WV	
C83	F1G1H151A566	Ceramic, 150PF 50WV	
C84	F1G1H151A566	Ceramic, 150PF 50WV	
C91	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C92	YECUZ1H221JC	Ceramic, 220PF 50WV	
C93	YECUS1H180JC	Ceramic, 18PF 50WV	
C100	F2A1C4720025	Electrolytic, 4700µF 16WV	
C104	EEEFC1C681P	Electrolytic, 680µF 16WV	
C106	F1G1E103A085	Ceramic, 0.01µF 25WV	
C117	F1G1A1040006	Ceramic, 0.1µF 10WV	
C118	F1J1C334A104	Ceramic, 0.33µF 16WV	
C119	F1L1C2260011	Ceramic, 22µF 16WV	
C121	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C124	F1J1A106A023	Ceramic, 10µF 10WV	
C168	F2A1C4720025	Electrolytic, 4700µF 16WV	
C169	F2A1C4720025	Electrolytic, 4700µF 16WV	
C174	F1G1H391A571	Ceramic, 390PF 50WV	
C176	EEEFC1C681P	Electrolytic, 680µF 16WV	
C180	F1J1C334A104	Ceramic, 0.33µF 16WV	
C181	F2G1A330A090	Electrolytic, 33µF 10WV	
C184	F1J1A106A023	Ceramic, 10µF 10WV	
C206	F1H1A1050019	Ceramic, 1µF 10WV	
C210	F2G0J220A102	Electrolytic, 22µF 6.3WV	
C215	F2G0J220A102	Electrolytic, 22µF 6.3WV	
C226	F2G1C100A118	Electrolytic, 10µF 16WV	
C228	F2G1C100A132	Electrolytic, 10µF 16WV	
C229	F2G1C100A132	Electrolytic, 10µF 16WV	
C230	ECPU1C474MA5	Plastic film, 0.47µF 16WV	
C231	ECPU1C474MA5	Plastic film, 0.47µF 16WV	
C235	F1G1H122A635	Ceramic, 1200PF 50WV	
C236	F1G1H122A635	Ceramic, 1200PF 50WV	
C237	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C238	F1J1C1050013	Ceramic, 1µF 16WV	
C239	F2G1C470A116	Electrolytic, 47µF 16WV	
C240	F2G1H2R2A105	Electrolytic, 2.2µF 50WV	
C241	F2A1C222A790	Electrolytic, 2200µF 16WV	
C242	F2A1C222A790	Electrolytic, 2200µF 16WV	
C243	F2G1C100A118	Electrolytic, 10µF 16WV	
C250	F2G1C101A141	Electrolytic, 100µF 16WV	
C251	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C271	F1H1E102A034	Ceramic, 1000PF 25WV	
C272	F1G1H1020008	Ceramic, 1000PF 50WV	
C281	YECUZ1H221JC	Ceramic, 220PF 50WV	
C282	YECUZ1H221JC	Ceramic, 220PF 50WV	
C283	F2G1C100A118	Electrolytic, 10µF 16WV	
C284	F2G1C100A118	Electrolytic, 10µF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C285	F1G1H821A635	Ceramic, 820PF 50WV	
C287	F1G1H821A635	Ceramic, 820PF 50WV	
C289	F1H1C1040012	Ceramic, 0.1µF 16WV	
C290	F2G1C470A116	Electrolytic, 47µF 16WV	
C291	F2G1C100A118	Electrolytic, 10µF 16WV	
C306	F1H1A1050019	Ceramic, 1µF 10WV	
C310	F2G0J220A102	Electrolytic, 22µF 6.3WV	
C328	F2G1C100A132	Electrolytic, 10µF 16WV	
C329	F2G1C100A132	Electrolytic, 10µF 16WV	
C330	ECPU1C474MA5	Plastic film, 0.47µF 16WV	
C331	ECPU1C474MA5	Plastic film, 0.47µF 16WV	
C335	F1G1H122A635	Ceramic, 1200PF 50WV	
C336	F1G1H122A635	Ceramic, 1200PF 50WV	
C337	YECUS1E104ZF	Ceramic, 0.1µF 25WV	
C372	F1G1H1020008	Ceramic, 1000PF 50WV	
C373	F1H0J4750004	Electrolytic, 4.7µF 6.3WV	
C381	YECUZ1H221JC	Ceramic, 220PF 50WV	
C382	YECUZ1H221JC	Ceramic, 220PF 50WV	
C383	F2G1C100A118	Electrolytic, 10µF 16WV	
C384	F2G1C100A118	Electrolytic, 10µF 16WV	
C385	F1G1H821A635	Ceramic, 820PF 50WV	
C387	F1G1H821A635	Ceramic, 820PF 50WV	
C500	EEFCD0G560R	Electrolytic, 56µF 4WV	
C503	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C504	F1J1C334A104	Ceramic, 0.33µF 16WV	
C505	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C506	F1G0J1050005	Ceramic, 1µF 6.3WV	
C507	F1G1A1040006	Ceramic, 0.1µF 10WV	
C508	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C509	EEFCD0D101R	Electrolytic, 100µF 2WV	
C510	F1G1A1040006	Ceramic, 0.1µF 10WV	
C511	F1G1A1040006	Ceramic, 0.1µF 10WV	
C512	F1G1A1040006	Ceramic, 0.1µF 10WV	
C513	F1G1A1040006	Ceramic, 0.1µF 10WV	
C514	F1G1A1040006	Ceramic, 0.1µF 10WV	
C515	F1G1A1040006	Ceramic, 0.1µF 10WV	
C516	F1G1A1040006	Ceramic, 0.1µF 10WV	
C517	F1G1A1040006	Ceramic, 0.1µF 10WV	
C518	F1G1A1040006	Ceramic, 0.1µF 10WV	
C519	F1G1A1040006	Ceramic, 0.1µF 10WV	
C520	F2G1A101A079	Electrolytic, 100µF 10WV	
C521	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C522	F2G1A101A079	Electrolytic, 100µF 10WV	
C523	F2G1A101A079	Electrolytic, 100µF 10WV	
C524	F1G1A1040006	Ceramic, 0.1µF 10WV	
C525	F1G1A1040006	Ceramic, 0.1µF 10WV	
C526	F1G1A1040006	Ceramic, 0.1µF 10WV	
C527	F1G1A1040006	Ceramic, 0.1µF 10WV	
C528	F1G1A1040006	Ceramic, 0.1µF 10WV	
C529	F1H1H102A021	Ceramic, 1000PF 50WV	
C530	F1G1A1040006	Ceramic, 0.1µF 10WV	
C531	F1G1A1040006	Ceramic, 0.1µF 10WV	
C532	F1G1A1040006	Ceramic, 0.1µF 10WV	
C533	F1G1A1040006	Ceramic, 0.1µF 10WV	
C534	F1G1A1040006	Ceramic, 0.1µF 10WV	
C535	F1G1A1040006	Ceramic, 0.1µF 10WV	
C537	F1G1C1030008	Ceramic, 0.01µF 16WV	
C538	F1G1A1040006	Ceramic, 0.1µF 10WV	
C539	F1G1A1040006	Ceramic, 0.1µF 10WV	
C540	F1G1A1040006	Ceramic, 0.1µF 10WV	
C541	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C545	F1H0J1050010	Ceramic, 1µF 6.3WV	
C576	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C578	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C580	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C581	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C583	F1J0J4750003	Ceramic, 4.7µF 6.3WV	
C584	F1J0J4750003	Ceramic, 4.7µF 6.3WV	
C585	F2G0J470A119	Electrolytic, 47µF 6.3WV	
C600	F1G1A1040006	Ceramic, 0.1µF 10WV	
C601	F1G1A1040006	Ceramic, 0.1µF 10WV	
C602	F1J1C1050013	Ceramic, 1µF 16WV	
C603	F1H1H120A231	Ceramic, 12PF 50WV	
C604	F1H1H180A231	Ceramic, 18PF 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C605	F1G1A1040006	Ceramic, 0.1µF 10WV	
C606	F1G1A1040006	Ceramic, 0.1µF 10WV	
C607	F1G1A1040006	Ceramic, 0.1µF 10WV	
C608	F1G1A1040006	Ceramic, 0.1µF 10WV	
C610	F1J1A106A023	Ceramic, 10µF 10WV	
C611	F1J1A106A023	Ceramic, 10µF 10WV	
C612	F1J1A106A023	Ceramic, 10µF 10WV	
C613	F1J1A106A023	Ceramic, 10µF 10WV	
C614	F1J1A106A023	Ceramic, 10µF 10WV	
C615	F1J1A106A023	Ceramic, 10µF 10WV	
C617	F1J1A106A023	Ceramic, 10µF 10WV	
C618	F1J1A106A023	Ceramic, 10µF 10WV	
C621	F1J1A106A023	Ceramic, 10µF 10WV	
C622	F1J1A106A023	Ceramic, 10µF 10WV	
C624	F1G1H152A571	Ceramic, 1500PF 50WV	
C625	F1G1E221A094	Ceramic, 220PF 25WV	
C626	F2G0J220A102	Electrolytic, 22µF 6.3WV	
C631	F1G1H1020008	Ceramic, 1000PF 50WV	
C632	F2G1C101A141	Electrolytic, 100µF 16WV	
C633	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C634	F1G1H101A566	Ceramic, 100PF 50WV	
C635	F1G1H101A566	Ceramic, 100PF 50WV	
C636	F1H0J4750004	Ceramic, 4.7µF 6.3WV	
C639	F1G1H1020008	Ceramic, 1000PF 50WV	
C646	F1H1A225A051	Ceramic, 2.2µF 10WV	
C647	F1H1A225A051	Ceramic, 2.2µF 10WV	
C648	F1G1H1020008	Ceramic, 1000PF 50WV	
C650	YECUZ1E104ZF	Ceramic, 0.1µF 25WV	
C651	EEFCD0K330R	Electrolytic, 33µF 8WV	
C652	F1G1H151A566	Ceramic, 150PF 50WV	
C653	F1H1A225A051	Ceramic, 2.2µF 10WV	
C654	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C655	F1G1H1020008	Ceramic, 1000PF 50WV	
C656	F1H1A225A051	Ceramic, 2.2µF 10WV	
C657	F1H1A225A051	Ceramic, 2.2µF 10WV	
C658	F1H1A225A051	Ceramic, 2.2µF 10WV	
C659	F1G1H151A566	Ceramic, 150PF 50WV	
C660	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C662	EEEFK1A221P	Electrolytic, 220µF 10WV	
C663	F1G1H152A571	Ceramic, 1500PF 50WV	
C664	F1G1E221A094	Ceramic, 220PF 25WV	
C666	F1G1H331A495	Ceramic, 330PF 50WV	
C667	F1G1H152A571	Ceramic, 1500PF 50WV	
C669	F1G1H152A571	Ceramic, 1500PF 50WV	
C671	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C672	F1G1H331A495	Ceramic, 330PF 50WV	
C673	F1G1E221A094	Ceramic, 220PF 25WV	
C674	F1G1H152A571	Ceramic, 1500PF 50WV	
C677	F1G1H152A571	Ceramic, 1500PF 50WV	
C678	F1G1E221A094	Ceramic, 220PF 25WV	
C680	F1G1H331A495	Ceramic, 330PF 50WV	
C682	F1G1H152A571	Ceramic, 1500PF 50WV	
C683	F1G1H152A571	Ceramic, 1500PF 50WV	
C685	F1G1H331A495	Ceramic, 330PF 50WV	
C688	F1G1E221A094	Ceramic, 220PF 25WV	
C689	F1G1H152A571	Ceramic, 1500PF 50WV	
C698	F1G1H152A571	Ceramic, 1500PF 50WV	
C700	F1G1H331A495	Ceramic, 330PF 50WV	
C701	YECUZ1H102KX	Ceramic, 1000PF 50WV	
C702	F2A1C4720025	Electrolytic, 4700µF 16WV	
C703	F2A1C222A846	Electrolytic, 2200µF 16WV	
C704	F1G1A1040006	Ceramic, 0.1µF 10WV	
C705	F1H1A225A051	Ceramic, 2.2µF 10WV	
C706	F1H1A225A051	Ceramic, 2.2µF 10WV	
C707	F1H1A225A051	Ceramic, 2.2µF 10WV	
C708	F1H1A225A051	Ceramic, 2.2µF 10WV	
C710	EEEFK1C221XP	Electrolytic, 220µF 16WV	
C711	F1J1C334A104	Ceramic, 0.33µF 16WV	
C712	F2G0J220A102	Electrolytic, 22µF 6.3WV	
C715	F1G1A1040006	Ceramic, 0.1µF 10WV	
C716	F2G1C100A118	Electrolytic, 10µF 16WV	
C717	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C718	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C720	F1J1C334A104	Ceramic, 0.33µF 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C721	F2G1C101A141	Electrolytic, 100µF 16WV	
C752	F2G1C101A141	Electrolytic, 100µF 16WV	
C753	YECUZ1E104ZF	Ceramic, 0.1µF 25WV	
C771	EEEFK1C221XP	Electrolytic, 220µF 16WV	
C772	F2G1C100A118	Electrolytic, 10µF 16WV	
C773	EECS0HD473H	Electrolytic, 0.047µF 5.5WV	
C774	EEEFK0J331P	Electrolytic, 330µF 6.3WV	
C775	F2G0J220A102	Electrolytic, 22µF 6.3WV	
C776	EEEHA1C220R	Electrolytic, 22µF 6.3WV	
C784	EEEFK1C331P	Electrolytic, 330µF 16WV	
C785	F1J1C334A104	Ceramic, 0.33µF 16WV	
C786	F1J1C474A104	Ceramic, 0.47µF 16WV	
C787	F1G1A1040006	Ceramic, 0.1µF 10WV	
C1301	F1G1A1040006	Ceramic, 0.1µF 10WV	
C1600	F1J1H1040014	Ceramic, 0.1µF 50WV	
C1602	F2G1C101A141	Electrolytic, 100µF 16WV	
C1603	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C1604	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C1605	F1G1A1040006	Ceramic, 0.1µF 10WV	
C1606	F1H1H103A783	Ceramic, 0.01µF 50WV	
C1608	F1G1C1030008	Ceramic, 0.01µF 16WV	
C1612	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C1613	F1G1H1020008	Ceramic, 1000PF 50WV	
C1614	F1H1A1050019	Ceramic, 1µF 10WV	
C1615	YECUZ1C104KX	Ceramic, 0.1µF 16WV	
C1921	F1H1E102A034	Ceramic, 1000PF 25WV	
C1922	F1H1E102A034	Ceramic, 1000PF 25WV	
C1923	F1H1E102A034	Ceramic, 1000PF 25WV	
C1924	F1H1E1040008	Ceramic, 0.1µF 25WV	
C1925	F1H1E474A100	Ceramic, 0.47µF 25WV	
LC501	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC502	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC503	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC505	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC506	F1Z1E2220001	Ceramic, 2200PF 25WV	

**RESISTORS**

C693	ERJ2GE0R00X	Chip, 0Ω 1/16W	
C696	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R51	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R52	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R53	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R54	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R55	ERJ2GEJ273X	Chip, 27kΩ 1/16W	
R56	ERJ2GEJ474X	Chip, 470kΩ 1/16W	
R57	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R58	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R59	ERJ2GEJ152X	Chip, 1.5kΩ 1/16W	
R60	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R61	ERJ2GEJ152X	Chip, 1.5kΩ 1/16W	
R62	ERJ2GEJ272X	Chip, 2.7kΩ 1/16W	
R63	ERJ2GEJ273X	Chip, 27kΩ 1/16W	
R64	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R65	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R66	ERJ2GEJ224X	Chip, 220kΩ 1/16W	
R67	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R68	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R69	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R70	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R71	ERJ2GEJ393X	Chip, 39kΩ 1/16W	
R72	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R73	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R74	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R75	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R76	ERJ2GEJ393X	Chip, 39kΩ 1/16W	
R77	ERJ2GEJ393X	Chip, 39kΩ 1/16W	
R78	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R79	ERJ2GEJ183X	Chip, 18kΩ 1/16W	
R105	ERJ6ENF1502V	Chip, 15kΩ 1/10W	
R106	ERJ6ENF1503V	Chip, 150kΩ 1/10W	
R107	ERJ6ENF3302V	Chip, 33kΩ 1/10W	
R113	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R114	ERJ2GEJ220X	Chip, 22Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R115	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R120	ERJ6ENF1303V	Chip, 130kΩ 1/10W	
R121	ERJ6ENF1802V	Chip, 18kΩ 1/10W	
R122	ERJ6ENF2201V	Chip, 2.2kΩ 1/10W	
R123	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R124	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R125	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R126	ERJ2GEJ152X	Chip, 1.5kΩ 1/16W	
R127	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R128	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R129	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R180	ERJ3GEYJ471V	Chip, 470Ω 1/16W	
R181	ERA3YED103V	Metal Glaze, 10kΩ 1/16W	
R182	ERA3YED222V	Metal Glaze, 2.2kΩ 1/16W	
R185	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R203	ERJ2GEJ123X	Chip, 12kΩ 1/16W	
R205	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R206	ERJ2GEJ512X	Chip, 5.1kΩ 1/16W	
R207	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R210	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R211	ERJ2GEJ393X	Chip, 39kΩ 1/16W	
R213	ERJ2GEJ393X	Chip, 39kΩ 1/16W	
R214	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R216	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R219	D0GB561JA049	Metal Film, 560Ω 1/16W	
R220	D0GB223JA049	Metal Film, 22kΩ 1/16W	
R225	D0GB561JA049	Metal Film, 560Ω 1/16W	
R226	D0GB223JA049	Metal Film, 22kΩ 1/16W	
R227	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R238	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R248	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R254	ERJ2GEJ562X	Chip, 5.6kΩ 1/16W	
R256	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R257	ERJ2GEJ183X	Chip, 18kΩ 1/16W	
R272	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R273	ERJ6ENF75R0V	Chip, 75Ω 1/10W	
R274	ERJ3GEYJ151V	Chip, 150Ω 1/16W	
R275	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R281	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R282	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R283	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R284	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R285	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R286	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R287	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R288	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R289	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R290	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R291	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R292	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R293	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R294	ERJ2GEJ393X	Chip, 39kΩ 1/16W	
R303	ERJ2GEJ123X	Chip, 12kΩ 1/16W	
R305	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R306	ERJ2GEJ512X	Chip, 5.1kΩ 1/16W	
R307	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R310	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R311	ERJ2GEJ393X	Chip, 39kΩ 1/16W	
R319	D0GB561JA049	Metal Film, 560Ω 1/16W	
R320	D0GB223JA049	Metal Film, 22kΩ 1/16W	
R325	D0GB561JA049	Metal Film, 560Ω 1/16W	
R326	D0GB223JA049	Metal Film, 22kΩ 1/16W	
R328	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R372	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R381	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R382	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R383	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R384	ERJ3GEYJ561V	Chip, 560Ω 1/16W	
R385	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R386	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R387	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R388	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R389	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R390	ERJ2GEJ103X	Chip, 10kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R391	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R392	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R501	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R502	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R503	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R504	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R505	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R506	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R507	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R508	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R509	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R510	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R511	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R517	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R518	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R519	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R520	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R521	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R522	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R523	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R524	ERJ2GEJ105X	Chip, 1MΩ 1/16W	
R525	ERJ3EKF1802V	Carbon, 18kΩ 1/16W	
R526	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R527	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R528	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R529	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R534	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R540	ERJ3EKF3302V	Carbon, 33kΩ 1/16W	
R541	ERJ3EKF2001V	Carbon, 2kΩ 1/16W	
R542	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R543	ERJ3EKF2202V	Carbon, 22kΩ 1/16W	
R544	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R545	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R546	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R547	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R567	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R569	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R570	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R571	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R572	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R600	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R601	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R602	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R607	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R610	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R612	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R613	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R614	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R615	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R618	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R620	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R621	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R623	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R625	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R626	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R630	ERJ2GEJ823X	Chip, 82kΩ 1/16W	
R631	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R632	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R633	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R634	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R635	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R638	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R639	ERJ2GEJ823X	Chip, 82kΩ 1/16W	
R640	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R641	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R642	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R645	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R646	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R649	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R650	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R651	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R652	ERJ2GEJ203X	Chip, 20kΩ 1/16W	
R653	ERJ2GEJ623X	Chip, 62kΩ 1/16W	
R656	ERJ2GEJ471X	Chip, 470Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R657	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R658	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R659	ERJ2GEJ203X	Chip, 20kΩ 1/16W	
R660	ERJ2GEJ623X	Chip, 62kΩ 1/16W	
R661	ERJ2GEJ471X	Chip, 470Ω 1/16W	
R662	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R663	D0GB123JA049	Metal Film, 12kΩ 1/16W	
R664	D0GB221JA049	Metal Film, 220Ω 1/16W	
R665	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R666	D0GB221JA049	Metal Film, 220Ω 1/16W	
R667	D0GB123JA049	Metal Film, 12kΩ 1/16W	
R669	D0GB123JA049	Metal Film, 12kΩ 1/16W	
R670	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R671	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R672	D0GB221JA049	Metal Film, 220Ω 1/16W	
R673	D0GB221JA049	Metal Film, 220Ω 1/16W	
R674	D0GB123JA049	Metal Film, 12kΩ 1/16W	
R676	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R677	D0GB123JA049	Metal Film, 12kΩ 1/16W	
R678	D0GB221JA049	Metal Film, 220Ω 1/16W	
R679	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R680	D0GB221JA049	Metal Film, 220Ω 1/16W	
R682	D0GB123JA049	Metal Film, 12kΩ 1/16W	
R683	D0GB123JA049	Metal Film, 12kΩ 1/16W	
R684	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R685	D0GB221JA049	Metal Film, 220Ω 1/16W	
R687	D0GB103JA049	Metal Film, 10kΩ 1/16W	
R688	D0GB221JA049	Metal Film, 220Ω 1/16W	
R689	D0GB123JA049	Metal Film, 12kΩ 1/16W	
R698	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R699	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R700	ERJ8GEYJ332V	Chip, 3.3kΩ 1/8W	
R701	ERJ6GEYJ223	Chip, 22kΩ 1/10W	
R702	ERJ6ENF1503V	Chip, 150kΩ 1/10W	
R703	ERJ6ENF3302V	Chip, 33kΩ 1/10W	
R704	ERJ6ENF2203V	Chip, 220kΩ 1/10W	
R705	ERJ6ENF3302V	Chip, 33kΩ 1/10W	
R706	ERJ6ENF3001V	Chip, 3kΩ 1/10W	
R720	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R721	ERA3YED153V	Metal Glaze, 15kΩ 1/16W	
R722	ERA3YED222V	Metal Glaze, 2.2kΩ 1/16W	
R772	ERJ3GEYJ562V	Chip, 5.6kΩ 1/16W	
R773	ERJ12YJ821H	Chip, 820Ω 1/2W	
R774	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R776	ERJ8GEYJ271V	Chip, 270Ω 1/8W	
R777	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R794	ERJ6GEYJ103	Carbon, 10kΩ	
R795	ERJ6GEYJ821	Chip, 820Ω 1/10W	
R796	ERJ8GEYJ1R0V	Chip, 1Ω 1/8W	
R797	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R1600	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R1601	ERJ12YJ3R9H	Chip, 3.9Ω 1/2W	
R1602	ERJ2GEJ122X	Chip, 1.2kΩ 1/16W	
R1603	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R1605	ERA3YEB223V	Metal Oxide, 22kΩ 1/16W	
R1611	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R1612	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R1613	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R1614	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R1802	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R1803	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R1806	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R1809	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R1810	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R1811	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R1901	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R1902	ERJ2GEJ331X	Chip, 330Ω 1/16W	
R1903	ERJ2GEJ331X	Chip, 330Ω 1/16W	
R1904	ERJ2GEJ331X	Chip, 330Ω 1/16W	
R1905	ERJ2GEJ331X	Chip, 330Ω 1/16W	
R1913	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R1921	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R1922	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R1923	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1924	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R1925	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R2395	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R2397	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R2398	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R2399	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R2400	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
<b>CONNECTORS</b>			
CN271	K1FB112B0003	Connector, 12P	
CN500	K1KA07AA0051	Connector, 7P	
CN670	K1MN10B00147	Connector, 10P	
CN700	K1FA116B0028	Connector, 16P	
CN717	K1KA02AA0229	Connector, 2P	
CN718	K1KA80AA0562	Connector, 80P	
CN719	K1KA50B00092	Connector, 50P	
CN720	K1KA02AA0229	Connector, 2P	
CN721	K1KA03AA0230	Connector, 3P	
CN725	K1KA05BA0249	Connector, 5P	
CN1901	K1KA10BA0014	Connector, 10P	
CN1911	K1KA05BA0086	Connector, 5P	
CN1921	YEAEAG5P06L	Connector, 6P	
CN1931	K1MN33BA0186	Connector, 33P	
<b>COILS</b>			
FB501	J0JGC0000020	Coil	
FB502	J0JGC0000020	Coil	
FB503	YELTBLM21P3S	Coil	
FB505	J0JGC0000020	Coil	
FB506	J0JGC0000020	Coil	
FB507	YELTBLM21P3S	Coil	
FB508	J0JGC0000020	Coil	
FB510	YELTBLM21P3S	Coil	
FB512	J0JCC0000286	Coil	
FB513	J0JCC0000286	Coil	
FL121	J0JGC0000020	Coil	
FL122	J0JAC0000052	Coil	
FL272	YELTBLM1A601	Coil	
FL273	J0JCC0000042	Coil	
FL372	YELTBLM1A601	Coil	
FL600	J0JGC0000020	Coil	
FL601	J0JGC0000020	Coil	
FL611	YELTBLM1A601	Coil	
FL612	YELTBLM1A601	Coil	
FL615	J0JGC0000020	Coil	
FL660	YELTBLM1A601	Coil	
FL661	YELTBLM1A601	Coil	
FL693	J0JBC0000105	Coil	
FL694	J0JBC0000105	Coil	
FL1901	J0JGC0000020	Coil	
FL1913	YELTBLM1A601	Coil	
FL1921	YELTBLM1A601	Coil	
L51	G1C3R3JA0061	Coil	
L101	G1C220Z00005	Coil	
L201	G1CYYYYZ00003	Coil	
L202	G1CYYYYZ00003	Coil	
L301	G1CYYYYZ00003	Coil	
L302	G1CYYYYZ00003	Coil	
L501	YETQLM250S40	Coil	
<b>CRYSTALS</b>			
X600	H0J167500013	Crystal Oscillator	
XL501	H1A1125B0002	Crystal Oscillator	
<b>NETWORK RESISTORS</b>			
RA502	D1H410320002	Network Resistor	
RA507	D1H822040002	Network Resistor	
RA508	D1H822040002	Network Resistor	
RA509	D1H822040002	Network Resistor	
RA514	D1H810040004	Network Resistor	

Ref. No.	Part No.	Part Name & Description	Remarks
RA601	D1H410220001	Network Resistor	
RA603	D1H810140004	Network Resistor	
RA608	D1H81034A024	Network Resistor	
RA609	D1H810240004	Network Resistor	
RA610	D1H847340001	Network Resistor	
RA611	D1H410220001	Network Resistor	
RA612	D1H410220001	Network Resistor	
<b>FILTERs</b>			
L502	J0MAB0000160	Filter	
L517	J0MAB0000160	Filter	
L522	J0MAB0000160	Filter	
L523	J0MAB0000160	Filter	
Z51	J0LM00000001	Noise Filter	
<b>THERMISTORS</b>			
RT600	D4CC14730002	Thermistor	
TH680	YERT7AR4R7MT	Thermistor	
<b>[E9955A] Navi/HDD Block</b>			
<b>IC's AND TRANSISTORS</b>			
IC101	C1EB00000107	IC	
IC102	C0CBABA00020	IC	
IC200	YERMBP0011A	IC	
IC201	C3ABRG000059	IC	
IC202	C3ABRG000059	IC	
IC205	C0JBZZ000322	IC	
IC322	C0JBAC000344	IC	
IC408	C0JBAA000372	IC	
IC409	C0JBAZ001492	IC	
IC502	C0FBBH000053	IC	
IC700	C0JBAB000354	IC	
IC701	C0JBAS000241	IC	
IC702	C0ABBB000283	IC	
IC1001	C0JBZZ000361	IC	
IC1100	C0JBAB000631	IC	
IC1101	C0JBAB000629	IC	
IC1102	C0JBAB000824	IC	
IC1103	C0JBAB000629	IC	
IC1104	C0JBAB000824	IC	
IC1105	C0JBAZ002635	IC	
IC1106	C0ABAA000099	IC	
IC1107	C0ABAA000099	IC	
IC1108	C0JBAZ002635	IC	
IC1109	C0DBEK000001	IC	
IC1110	C0ABAA000099	IC	
IC1114	C0JBAC000390	IC	
IC1115	C0JBAC000412	IC	
IC1116	C0JBAA000261	IC	
IC1117	C0JBAA000372	IC	
IC1118	C0JBAA000372	IC	
IC1119	C0JBAZ002332	IC	
IC1121	C0JBAZ002776	IC	
IC1123	C0JBAA000261	IC	
IC1124	C0JBAB000629	IC	
IC2325	C0JBAB000889	IC	
Q103	B1GBCFJJ0002	Transistor	
Q508	YEANIMD3TKX	Transistor	
Q700	B1HBCFA00005	Transistor	
Q701	B1GBCFJJ0040	Transistor	
Q702	B1ABCF000176	Transistor	
Q703	B1ABCF000176	Transistor	
Q704	B1ADCE000012	Transistor	
<b>DIODEs</b>			
D101	YEADRB081L20	Diode	
D305	B0ADEJ000026	Diode	
D306	B0ADEJ000026	Diode	
D506	YEADRB081L20	Diode	

Ref. No.	Part No.	Part Name & Description	Remarks
D700	B0ACCJ000033	Diode	
D701	B0ACCJ000033	Diode	
D702	B0ADEJ000026	Diode	
D703	B0ADEJ000026	Diode	
D1100	MA8056LMHTX	Diode	
D1101	MA736TX	Diode	
D1102	MA8056LMHTX	Diode	
D1103	MA8056LMHTX	Diode	
D1104	MA8056LMHTX	Diode	
D1105	MA8056LMHTX	Diode	
D1106	MA8056LMHTX	Diode	
D1127	B0ADCJ000065	Diode	
D1128	B0ADCJ000065	Diode	
D1129	B0ADCJ000065	Diode	
D1130	B0ADCJ000065	Diode	
D1132	B0ADCJ000065	Diode	
D1133	YEADRB081L20	Diode	
D1134	B0ADCJ000065	Diode	
D1135	B0ADCJ000065	Diode	
D1136	B0ADCJ000065	Diode	
D1137	B0ACCK000005	Diode	
D1138	B0ACCK000005	Diode	
<b>CAPACITORS</b>			
C101	F1G1A1040006	Ceramic, 0.1µF 10WV	
C102	F1G1A1040006	Ceramic, 0.1µF 10WV	
C103	F1G1A1040006	Ceramic, 0.1µF 10WV	
C104	F1G1A1040006	Ceramic, 0.1µF 10WV	
C105	F1G1A1040006	Ceramic, 0.1µF 10WV	
C106	F1G1A1040006	Ceramic, 0.1µF 10WV	
C107	F1G1A1040006	Ceramic, 0.1µF 10WV	
C108	F1G1A1040006	Ceramic, 0.1µF 10WV	
C109	F1G1A1040006	Ceramic, 0.1µF 10WV	
C110	F1G1A1040006	Ceramic, 0.1µF 10WV	
C111	F1G1A1040006	Ceramic, 0.1µF 10WV	
C112	F1G1A1040006	Ceramic, 0.1µF 10WV	
C113	F1G1A1040006	Ceramic, 0.1µF 10WV	
C114	F1G1A1040006	Ceramic, 0.1µF 10WV	
C115	F1G1A1040006	Ceramic, 0.1µF 10WV	
C116	F1J0J1060007	Ceramic, 10µF 6.3WV	
C117	F1Z1E2220001	Ceramic, 2200PF 25WV	
C118	F1Z1E2220001	Ceramic, 2200PF 25WV	
C119	F1K0J2260004	Ceramic, 22µF 6.3WV	
C120	F1K0J2260004	Ceramic, 22µF 6.3WV	
C121	F1J0J1060007	Ceramic, 10µF 6.3WV	
C122	F1J0J1060007	Ceramic, 10µF 6.3WV	
C123	F1G1A1040006	Ceramic, 0.1µF 10WV	
C124	F1J0J1060007	Ceramic, 10µF 6.3WV	
C125	F1J0J1060007	Ceramic, 10µF 6.3WV	
C126	F1H1A1050019	Ceramic, 1µF 10WV	
C127	F1G1H7R00008	Ceramic, 7PF 50WV	
C128	F1G1A1040006	Ceramic, 0.1µF 10WV	
C129	F1G1A1040006	Ceramic, 0.1µF 10WV	
C130	F1G1H7R00008	Ceramic, 7PF 50WV	
C131	F1G1H150A566	Ceramic, 15PF 50WV	
C132	F1G1H100A565	Ceramic, 10PF 50WV	
C133	F1G1H100A565	Ceramic, 10PF 50WV	
C134	F1G1A1040006	Ceramic, 0.1µF 10WV	
C135	F1G1A1040006	Ceramic, 0.1µF 10WV	
C136	F1G1A1040006	Ceramic, 0.1µF 10WV	
C137	F1G1A1040006	Ceramic, 0.1µF 10WV	
C138	F1G1A1040006	Ceramic, 0.1µF 10WV	
C139	F1G1A1040006	Ceramic, 0.1µF 10WV	
C140	F1G1A1040006	Ceramic, 0.1µF 10WV	
C141	F1G1A1040006	Ceramic, 0.1µF 10WV	
C142	F1G1A1040006	Ceramic, 0.1µF 10WV	
C143	F1G1A1040006	Ceramic, 0.1µF 10WV	
C144	F1G1A1040006	Ceramic, 0.1µF 10WV	
C145	F1G1A1040006	Ceramic, 0.1µF 10WV	
C146	F1G1A1040006	Ceramic, 0.1µF 10WV	
C147	F1G1A1040006	Ceramic, 0.1µF 10WV	
C148	F1G1A1040006	Ceramic, 0.1µF 10WV	
C149	F1G1A1040006	Ceramic, 0.1µF 10WV	



Ref. No.	Part No.	Part Name & Description	Remarks
C150	F1G1A1040006	Ceramic, 0.1μF 10WV	
C151	F1G1A1040006	Ceramic, 0.1μF 10WV	
C152	F1G1A1040006	Ceramic, 0.1μF 10WV	
C153	EEFCD0D101R	Electrolytic, 100μF 2WV	
C154	EEFCD0D101R	Electrolytic, 100μF 2WV	
C155	EEFCD0G560R	Electrolytic, 56μF 4WV	
C156	EEFCD0G560R	Electrolytic, 56μF 4WV	
C157	F1G1A1040006	Ceramic, 0.1μF 10WV	
C158	F1G1A1040006	Ceramic, 0.1μF 10WV	
C159	F1G1A1040006	Ceramic, 0.1μF 10WV	
C160	F1G1A1040006	Ceramic, 0.1μF 10WV	
C161	F1G1A1040006	Ceramic, 0.1μF 10WV	
C162	F1G1A1040006	Ceramic, 0.1μF 10WV	
C163	F1G1A1040006	Ceramic, 0.1μF 10WV	
C164	F1G1A1040006	Ceramic, 0.1μF 10WV	
C165	F1G1A1040006	Ceramic, 0.1μF 10WV	
C166	F1G1A1040006	Ceramic, 0.1μF 10WV	
C167	F1G1A1040006	Ceramic, 0.1μF 10WV	
C168	F1G1A1040006	Ceramic, 0.1μF 10WV	
C169	F1G1A1040006	Ceramic, 0.1μF 10WV	
C170	F1G1A1040006	Ceramic, 0.1μF 10WV	
C171	F1G1A1040006	Ceramic, 0.1μF 10WV	
C172	F1G1A1040006	Ceramic, 0.1μF 10WV	
C173	F1G1A1040006	Ceramic, 0.1μF 10WV	
C174	F1G1A1040006	Ceramic, 0.1μF 10WV	
C175	F1G1A1040006	Ceramic, 0.1μF 10WV	
C176	F1G1A1040006	Ceramic, 0.1μF 10WV	
C177	F1G1A1040006	Ceramic, 0.1μF 10WV	
C178	F1G1A1040006	Ceramic, 0.1μF 10WV	
C179	F1G1A1040006	Ceramic, 0.1μF 10WV	
C180	F1G1A1040006	Ceramic, 0.1μF 10WV	
C181	F1G1A1040006	Ceramic, 0.1μF 10WV	
C182	F1G1A1040006	Ceramic, 0.1μF 10WV	
C183	F1G1A1040006	Ceramic, 0.1μF 10WV	
C184	F1G1A1040006	Ceramic, 0.1μF 10WV	
C185	F1G1A1040006	Ceramic, 0.1μF 10WV	
C186	F1G1A1040006	Ceramic, 0.1μF 10WV	
C187	F1G1A1040006	Ceramic, 0.1μF 10WV	
C188	F1G1A1040006	Ceramic, 0.1μF 10WV	
C189	F1G1A1040006	Ceramic, 0.1μF 10WV	
C190	F1G1A1040006	Ceramic, 0.1μF 10WV	
C191	F1G1A1040006	Ceramic, 0.1μF 10WV	
C205	F1G1A1040006	Ceramic, 0.1μF 10WV	
C208	F1G1A1040006	Ceramic, 0.1μF 10WV	
C209	F1G1A1040006	Ceramic, 0.1μF 10WV	
C210	F1G1A1040006	Ceramic, 0.1μF 10WV	
C213	F1G1A1040006	Ceramic, 0.1μF 10WV	
C215	F1G1A1040006	Ceramic, 0.1μF 10WV	
C216	F1G1A1040006	Ceramic, 0.1μF 10WV	
C217	F1G1A1040006	Ceramic, 0.1μF 10WV	
C218	F1G1A1040006	Ceramic, 0.1μF 10WV	
C219	F1G1A1040006	Ceramic, 0.1μF 10WV	
C220	F1G1A1040006	Ceramic, 0.1μF 10WV	
C221	F1G1A1040006	Ceramic, 0.1μF 10WV	
C222	F1G1A1040006	Ceramic, 0.1μF 10WV	
C223	F1G1A1040006	Ceramic, 0.1μF 10WV	
C224	F1H0J1050010	Ceramic, 1μF 6.3WV	
C225	F1G1A1040006	Ceramic, 0.1μF 10WV	
C226	F1G1A1040006	Ceramic, 0.1μF 10WV	
C227	F1G1A1040006	Ceramic, 0.1μF 10WV	
C228	F1G1A1040006	Ceramic, 0.1μF 10WV	
C229	F1G1A1040006	Ceramic, 0.1μF 10WV	
C230	F1G1A1040006	Ceramic, 0.1μF 10WV	
C231	F1G1A1040006	Ceramic, 0.1μF 10WV	
C232	F1G1A1040006	Ceramic, 0.1μF 10WV	
C234	F1G1A1040006	Ceramic, 0.1μF 10WV	
C236	F1G1A1040006	Ceramic, 0.1μF 10WV	
C238	F1G1A1040006	Ceramic, 0.1μF 10WV	
C239	F1G1A1040006	Ceramic, 0.1μF 10WV	
C240	F1G1A1040006	Ceramic, 0.1μF 10WV	
C241	F1G1A1040006	Ceramic, 0.1μF 10WV	
C245	F1K0J2260001	Ceramic, 22μF 6.3WV	
C247	F1K0J2260001	Ceramic, 22μF 6.3WV	
C248	F1K0J2260001	Ceramic, 22μF 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C249	F1K0J2260004	Ceramic, 22μF 6.3WV	
C250	F1K0J2260001	Ceramic, 22μF 6.3WV	
C251	F1Z1E2220001	Ceramic, 2200PF 25WV	
C257	F3G1A226A019	Tantalum, 22μF 10WV	
C258	EEFUE0J151R	Electrolytic, 150μF 6.3WV	
C260	F1G1A1040006	Ceramic, 0.1μF 10WV	
C262	F1K0J2260004	Ceramic, 22μF 6.3WV	
C263	F1K0J2260004	Ceramic, 22μF 6.3WV	
C265	F1K0J2260004	Ceramic, 22μF 6.3WV	
C266	F1K0J2260004	Ceramic, 22μF 6.3WV	
C384	F1G1A1040006	Ceramic, 0.1μF 10WV	
C450	F1K0J2260001	Ceramic, 22μF 6.3WV	
C451	F1K0J2260001	Ceramic, 22μF 6.3WV	
C452	F1G1A1040006	Ceramic, 0.1μF 10WV	
C455	F1G1A1040006	Ceramic, 0.1μF 10WV	
C501	F1K0J2260004	Ceramic, 22μF 6.3WV	
C529	F1G1A1040006	Ceramic, 0.1μF 10WV	
C570	F1G0J1050005	Ceramic, 1μF 6.3WV	
C586	F1K0J2260004	Ceramic, 22μF 6.3WV	
C587	F1K0J2260004	Ceramic, 22μF 6.3WV	
C700	F1G1A1040006	Ceramic, 0.1μF 10WV	
C701	F1G1H5610004	Ceramic, 560PF 50WV	
C702	F1K1C1060001	Ceramic, 10μF 16WV	
C703	YECUZ1C104KX	Ceramic, 0.1μF 16WV	
C704	F1G1H330A565	Ceramic, 33PF 50WV	
C705	F1G1A1040006	Ceramic, 0.1μF 10WV	
C706	YECUZ1H472KX	Ceramic, 4700PF 50WV	
C707	F1H1E1040008	Ceramic, 0.1μF 25WV	
C708	YECUZ1A224KX	Ceramic, 0.22μF 10WV	
C709	YECUZ1A224KX	Ceramic, 0.22μF 10WV	
C721	F1G1H3320004	Ceramic, 3300PF 50WV	
C1001	F1L0J2260004	Ceramic, 22μF 6.3WV	
C1002	F1H0J1050010	Ceramic, 1μF 6.3WV	
C1003	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1004	F1J0J1060007	Ceramic, 10μF 6.3WV	
C1005	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1006	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1007	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1008	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1009	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1010	F1J0J106A014	Ceramic, 10μF 6.3WV	
C1011	F1G1C1030008	Ceramic, 0.01μF 16WV	
C1101	F1G1H1020008	Ceramic, 1000PF 50WV	
C1102	F1G1H1020008	Ceramic, 1000PF 50WV	
C1103	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1108	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1111	F1H0J1050010	Ceramic, 1μF 6.3WV	
C1120	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1128	F1H0J1050010	Ceramic, 1μF 6.3WV	
C1131	F1H0J1050010	Ceramic, 1μF 6.3WV	
C1132	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1137	EEE0GA331WP	Electrolytic, 330μF 4WV	
C1138	EEE0GA331WP	Electrolytic, 330μF 4WV	
C1139	EEE0GA331WP	Electrolytic, 330μF 4WV	
C1140	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1141	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1142	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1143	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1144	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1145	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1147	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1149	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1150	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1164	F1J1C334A104	Ceramic, 0.33μF 16WV	
C1165	F1L1C2260011	Ceramic, 22μF 16WV	
C1166	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1167	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1168	F1G1A1040006	Ceramic, 0.1μF 10WV	
C1169	F1G1A1040006	Ceramic, 0.1μF 10WV	
C2393	F1G1A1040006	Ceramic, 0.1μF 10WV	
FB103	F1H1H100A226	Ceramic, 10PF 50WV	
LC200	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC201	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC203	F1Z1E2220001	Ceramic, 2200PF 25WV	

Ref. No.	Part No.	Part Name & Description	Remarks
LC204	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC206	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC207	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC450	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC451	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC501	F1Z1E2220001	Ceramic, 2200PF 25WV	
LC1002	F1Z1E2220001	Ceramic, 2200PF 25WV	
R1182	F1H0J2250006	Ceramic, 2.2 $\mu$ F 6.3WV	
R1183	F1H0J2250006	Ceramic, 2.2 $\mu$ F 6.3WV	
R1184	F1H0J2250006	Ceramic, 2.2 $\mu$ F 6.3WV	
<b>RESISTORS</b>			
R101	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R102	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R103	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R104	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R105	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R106	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R107	ERJ2GEJ332X	Chip, 3.3k $\Omega$ 1/16W	
R108	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R109	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R110	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R111	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R112	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R113	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R114	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R115	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R118	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R119	ERJ2GE0R00X	Chip, 0 $\Omega$ 1/16W	
R120	ERJ2GEJ302X	Chip, 3k $\Omega$ 1/16W	
R121	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R122	ERJ2GEJ472X	Chip, 4.7k $\Omega$ 1/16W	
R123	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R124	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R125	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R127	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R128	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R129	ERJ2GEJ222X	Chip, 2.2k $\Omega$ 1/16W	
R130	ERJ2GEJ222X	Chip, 2.2k $\Omega$ 1/16W	
R132	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R133	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R134	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R135	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R136	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R137	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R138	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R139	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R140	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R141	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R142	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R143	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R144	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R145	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R146	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R147	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R148	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R149	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R151	ERJ3GEY0R00V	Chip, 0 $\Omega$ 1/16W	
R154	ERJ3GEY0R00V	Chip, 0 $\Omega$ 1/16W	
R156	ERJ3GEY0R00V	Chip, 0 $\Omega$ 1/16W	
R157	ERJ3GEY0R00V	Chip, 0 $\Omega$ 1/16W	
R159	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R160	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R161	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R163	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R164	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R165	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R166	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R167	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R173	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R175	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R176	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R178	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R179	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R180	ERJ2GEJ152X	Chip, 1.5k $\Omega$ 1/16W	
R181	ERJ2GEJ152X	Chip, 1.5k $\Omega$ 1/16W	
R185	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R186	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R187	ERJ2GEJ122X	Chip, 1.2k $\Omega$ 1/16W	
R188	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R189	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R190	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R191	ERJ2GEJ100X	Chip, 10 $\Omega$ 1/16W	
R192	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R193	ERJ2GE0R00X	Chip, 0 $\Omega$ 1/16W	
R201	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R202	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R203	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R204	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R206	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R208	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R209	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R211	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R212	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R216	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R217	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R218	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R222	ERJ2GEJ472X	Chip, 4.7k $\Omega$ 1/16W	
R229	ERJ2GEJ562X	Chip, 5.6k $\Omega$ 1/16W	
R233	ERJ2GEJ330X	Chip, 33 $\Omega$ 1/16W	
R234	ERJ2GEJ330X	Chip, 33 $\Omega$ 1/16W	
R235	ERJ2GEJ820X	Chip, 82 $\Omega$ 1/16W	
R239	ERJ2GEJ820X	Chip, 82 $\Omega$ 1/16W	
R240	ERJ2GEJ820X	Chip, 82 $\Omega$ 1/16W	
R241	ERJ2GEJ330X	Chip, 33 $\Omega$ 1/16W	
R242	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R243	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R244	ERJ2GEJ472X	Chip, 4.7k $\Omega$ 1/16W	
R245	ERJ2GEJ562X	Chip, 5.6k $\Omega$ 1/16W	
R246	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R251	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R252	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R281	ERJ2GEJ222X	Chip, 2.2k $\Omega$ 1/16W	
R282	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R359	ERJ3GEYJ101V	Chip, 100 $\Omega$ 1/16W	
R384	ERJ2GEJ473X	Chip, 4.7k $\Omega$ 1/16W	
R410	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R426	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R427	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R428	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R431	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R432	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R435	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R517	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R695	ERJ2GEJ222X	Chip, 2.2k $\Omega$ 1/16W	
R696	ERJ3GEYJ101V	Chip, 100 $\Omega$ 1/16W	
R697	ERJ3GEYJ101V	Chip, 100 $\Omega$ 1/16W	
R700	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R701	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R702	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R703	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R704	ERJ2GEJ223X	Chip, 22k $\Omega$ 1/16W	
R705	ERJ2GEJ223X	Chip, 22k $\Omega$ 1/16W	
R706	ERJ2GEJ474X	Chip, 470k $\Omega$ 1/16W	
R707	ERJ2GEJ472X	Chip, 4.7k $\Omega$ 1/16W	
R708	ERJ2GEJ472X	Chip, 4.7k $\Omega$ 1/16W	
R709	ERJ2GEJ104X	Chip, 100k $\Omega$ 1/16W	
R710	ERJ2GEJ823X	Chip, 82k $\Omega$ 1/16W	
R711	ERJ2GEJ472X	Chip, 4.7k $\Omega$ 1/16W	
R712	ERJ2GEJ473X	Chip, 47k $\Omega$ 1/16W	
R713	ERJ2GEJ204X	Chip, 200k $\Omega$ 1/16W	
R714	ERJ2GEJ684X	Chip, 680k $\Omega$ 1/16W	
R715	ERJ2GEJ684X	Chip, 680k $\Omega$ 1/16W	
R716	ERJ2GEJ564X	Chip, 560k $\Omega$ 1/16W	
R717	ERJ2GEJ122X	Chip, 1.2k $\Omega$ 1/16W	
R718	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R719	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	





Ref. No.	Part No.	Part Name & Description	Remarks
D104	B0ACCJ000033	Diode	
D105	MA3X152A0L	Diode	
D106	MA153TX	Diode	
D107	B0ADCJ000065	Diode	
D108	BOJCQD000002	Diode	
D109	BOJCQD000002	Diode	
D110	MA3J741D0L	Diode	
D111	MA3J741D0L	Diode	
D112	BOJCQD000002	Diode	
D113	BOJCQD000002	Diode	
D116	BOJDDD000005	Diode	
D755	BOJCPD000002	Diode	
D3116	BOJCGD000002	Diode	
<b>CAPACITORS</b>			
C101	F1G1A1040006	Ceramic, 0.1μF 10VV	
C103	F1J1C474A104	Ceramic, 0.47μF 16VV	
C105	F2G0J220A102	Electrolytic, 22μF 6.3VV	
C107	F1J1C474A104	Ceramic, 0.47μF 16VV	
C108	F1J1C474A104	Ceramic, 0.47μF 16VV	
C109	F1G1A1040006	Ceramic, 0.1μF 10VV	
C110	F1G1A1040006	Ceramic, 0.1μF 10VV	
C111	F1G1A1040006	Ceramic, 0.1μF 10VV	
C112	F1J1C334A104	Ceramic, 0.33μF 16VV	
C113	YECUZ1A224KX	Ceramic, 0.22μF 10VV	
C114	YECUZ1A224KX	Ceramic, 0.22μF 10VV	
C115	F1G1A1040006	Ceramic, 0.1μF 10VV	
C116	F1J1C334A104	Ceramic, 0.33μF 16VV	
C117	F1G1A1040006	Ceramic, 0.1μF 10VV	
C121	F1G1H331A495	Ceramic, 330PF 50VV	
C122	F1G1A1040006	Ceramic, 0.1μF 10VV	
C123	F1G1C1030008	Ceramic, 0.01μF 16VV	
C124	F1G1C223A081	Ceramic, 0.022μF 16VV	
C125	F1G1A1040006	Ceramic, 0.1μF 10VV	
C126	F1G1C223A081	Ceramic, 0.022μF 16VV	
C127	F1G1C1030008	Ceramic, 0.01μF 16VV	
C128	F1G1H222A571	Ceramic, 2200PF 50VV	
C129	F1G1A1040006	Ceramic, 0.1μF 10VV	
C130	YECUV1C225KX	Ceramic, 2.2μF 16VV	
C131	EEFUE0J151R	Electrolytic, 150μF 6.3VV	
C132	F1J1A2250004	Ceramic, 2.2μF 10VV	
C133	EEFUE0K101R	Electrolytic, 100μF 8VV	
C134	F1J1A2250004	Ceramic, 2.2μF 10VV	
C135	F1G1H331A495	Ceramic, 330PF 50VV	
C136	F1G1C1030008	Ceramic, 0.01μF 16VV	
C137	F1G1C223A081	Ceramic, 0.022μF 16VV	
C138	F1G1A1040006	Ceramic, 0.1μF 10VV	
C139	F1G1A1040006	Ceramic, 0.1μF 10VV	
C140	F1G1H222A571	Ceramic, 2200PF 50VV	
C141	F1G1C1030008	Ceramic, 0.01μF 16VV	
C142	F1G1C223A081	Ceramic, 0.022μF 16VV	
C143	F1G1A1040006	Ceramic, 0.1μF 10VV	
C144	YECUV1C225KX	Ceramic, 2.2μF 16VV	
C145	F1K1A106A008	Ceramic, 10μF 10VV	
C146	EEFUE0G181R	Electrolytic, 180μF 4VV	
C147	F1J1A2250004	Ceramic, 2.2μF 10VV	
C148	F1K1A106A008	Ceramic, 10μF 10VV	
C149	EEFUE0D271R	Electrolytic, 270μF 2VV	
C150	F1J1A2250004	Ceramic, 2.2μF 10VV	
C151	F1K0J2260004	Ceramic, 22μF 6.3VV	
C154	F1J1C334A104	Ceramic, 0.33μF 16VV	
C157	F1K1C1060001	Ceramic, 10μF 16VV	
C160	EEFCD0D101R	Electrolytic, 100μF 2VV	
C161	F1K0J1060015	Ceramic, 10μF 6.3VV	
C162	F1J1A2250004	Ceramic, 2.2μF 10VV	
C163	F1H0J1050010	Ceramic, 1μF 6.3VV	
C164	F1G1C1030008	Ceramic, 0.01μF 16VV	
C165	F1G1H4710004	Ceramic, 470PF 50VV	
C166	F1K1C1060001	Ceramic, 10μF 16VV	
C167	F1K1C1060001	Ceramic, 10μF 16VV	
C177	F1G1A1040006	Ceramic, 0.1μF 10VV	
C178	F1G1A1040006	Ceramic, 0.1μF 10VV	
C179	F1G1A1040006	Ceramic, 0.1μF 10VV	

Ref. No.	Part No.	Part Name & Description	Remarks
C183	F1J1C334A104	Ceramic, 0.33μF 16VV	
C190	EEEFK1C221XP	Electrolytic, 220μF 16VV	
C191	EEEFK1C221XP	Electrolytic, 220μF 16VV	
C192	EEEFK1C221XP	Electrolytic, 220μF 16VV	
C193	EEEFK1C221XP	Electrolytic, 220μF 16VV	
C234	F1G1H180A566	Ceramic, 18PF 50VV	
C244	YECUV1C225KX	Ceramic, 2.2μF 16VV	
C245	F1G1A1040006	Ceramic, 0.1μF 10VV	
C248	F1G1A1040006	Ceramic, 0.1μF 10VV	
C249	F1G1H222A571	Ceramic, 2200PF 50VV	
C280	F1G1A1040006	Ceramic, 0.1μF 10VV	
C288	F1G1A1040006	Ceramic, 0.1μF 10VV	
C289	F1G1A1040006	Ceramic, 0.1μF 10VV	
C325	F1J1C334A104	Ceramic, 0.33μF 16VV	
C331	F1H0J1050010	Ceramic, 1μF 6.3VV	
C365	F1G1A1040006	Ceramic, 0.1μF 10VV	
C366	F1G1A1040006	Ceramic, 0.1μF 10VV	
C374	F1G1A1040006	Ceramic, 0.1μF 10VV	
C375	F1J0J1060007	Ceramic, 10μF 6.3VV	
C376	F1G1A1040006	Ceramic, 0.1μF 10VV	
C377	F1G1A1040006	Ceramic, 0.1μF 10VV	
C378	F1G1A1040006	Ceramic, 0.1μF 10VV	
C379	F1G1C1030008	Ceramic, 0.01μF 16VV	
C380	F1J1C334A104	Ceramic, 0.33μF 16VV	
C381	F1J0J1060007	Ceramic, 10μF 6.3VV	
C382	F1J0J4750003	Ceramic, 4.7μF 6.3VV	
C383	F1J1A106A023	Ceramic, 10μF 10VV	
C392	F1J0J1060007	Ceramic, 10μF 6.3VV	
C400	F1G1H331A495	Ceramic, 330PF 50VV	
C428	F1G1H680A566	Ceramic, 68PF 50VV	
C429	F1G1H121A566	Ceramic, 120PF 50VV	
C430	F1H0J1050010	Ceramic, 1μF 6.3VV	
C431	F1H0J1050010	Ceramic, 1μF 6.3VV	
C432	F1H0J1050010	Ceramic, 1μF 6.3VV	
C433	F1H0J1050010	Ceramic, 1μF 6.3VV	
C434	F1H0J1050010	Ceramic, 1μF 6.3VV	
C435	F1H0J1050010	Ceramic, 1μF 6.3VV	
C436	F1H0J1050010	Ceramic, 1μF 6.3VV	
C437	F1H0J1050010	Ceramic, 1μF 6.3VV	
C440	F1H0J1050010	Ceramic, 1μF 6.3VV	
C442	F1J0J1060007	Ceramic, 10μF 6.3VV	
C443	F1J0J1060007	Ceramic, 10μF 6.3VV	
C444	F1H0J1050010	Ceramic, 1μF 6.3VV	
C445	F1H0J1050010	Ceramic, 1μF 6.3VV	
C447	F2G0J220A102	Electrolytic, 22μF 6.3VV	
C448	F2H0J101A024	Electrolytic, 100μF 6.3VV	
C449	F2H0J101A024	Electrolytic, 100μF 6.3VV	
C450	F2G0J220A102	Electrolytic, 22μF 6.3VV	
C454	F1G1A1040006	Ceramic, 0.1μF 10VV	
C455	F1G1A1040006	Ceramic, 0.1μF 10VV	
C500	F1G1A1040006	Ceramic, 0.1μF 10VV	
C502	F1G1A1040006	Ceramic, 0.1μF 10VV	
C508	F1G1H180A566	Ceramic, 18PF 50VV	
C509	F1K0J2260004	Ceramic, 22μF 6.3VV	
C510	F1K0J2260004	Ceramic, 22μF 6.3VV	
C511	F1G1A1040006	Ceramic, 0.1μF 10VV	
C512	F1G1A1040006	Ceramic, 0.1μF 10VV	
C513	F1G1A1040006	Ceramic, 0.1μF 10VV	
C514	F1G1A1040006	Ceramic, 0.1μF 10VV	
C515	F1G1A1040006	Ceramic, 0.1μF 10VV	
C516	F1G1A1040006	Ceramic, 0.1μF 10VV	
C517	F1G1A1040006	Ceramic, 0.1μF 10VV	
C739	EEEFK1C101P	Electrolytic, 100μF 16VV	
C775	F1K1A106A008	Ceramic, 10μF 10VV	
C776	YECUZ1C104KX	Ceramic, 0.1μF 16VV	
C777	EEEFK1A221P	Electrolytic, 220μF 10VV	
C778	F1G1H182A571	Ceramic, 1800PF 50VV	
C779	F1H1A1050019	Ceramic, 1μF 10VV	
C780	F1G1E472A086	Ceramic, 4700PF 25VV	
C781	YECUZ1C104KX	Ceramic, 0.1μF 16VV	
C782	F1L1C4750006	Ceramic, 4.7μF 16VV	
C783	F1G1E221A094	Ceramic, 220PF 25VV	
C788	EEFCD0K330R	Electrolytic, 33μF 8VV	
C1000	F1G1A1040006	Ceramic, 0.1μF 10VV	

Ref. No.	Part No.	Part Name & Description	Remarks
C3055	F1G1A1040006	Ceramic, 0.1μF 10WV	
C3056	F1J1A2250004	Ceramic, 2.2μF 10WV	
C3063	F1G1A1040006	Ceramic, 0.1μF 10WV	
C3310	F1J1A106A023	Ceramic, 10μF 10WV	
C3831	F1J1C334A104	Ceramic, 0.33μF 16WV	
C4001	F1G1A1040006	Ceramic, 0.1μF 10WV	
<b>RESISTORS</b>			
R100	ERJ6ENF6802V	Chip, 68kΩ 1/10W	
R101	ERJ6ENF2203V	Chip, 220kΩ 1/10W	
R102	ERJ6ENF5602V	Chip, 56kΩ 1/10W	
R103	ERJ6ENF2703V	Chip, 270kΩ 1/10W	
R104	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R108	ERJ6ENF8203V	Chip, 820kΩ 1/10W	
R109	ERJ3GEYJ154V	Chip, 150kΩ 1/16W	
R110	ERJ3GEYJ101V	Chip, 100Ω 1/16W	
R111	ERJ3GEYJ100V	Chip, 10Ω 1/16W	
R112	ERJ3GEYJ473V	Chip, 47kΩ 1/16W	
R113	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R114	ERJ3GEYJ333V	Chip, 33kΩ 1/16W	
R115	ERJ3GEYJ224V	Chip, 220kΩ 1/16W	
R116	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R117	ERJ3GEYJ122V	Chip, 1.2kΩ 1/16W	
R118	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R119	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R129	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R132	ERJ3GEYJ822V	Chip, 8.2kΩ 1/16W	
R133	ERJ3EKF2801V	Carbon, 2.8kΩ 1/16W	
R134	ERA3YED362V	Metal Glaze, 3.6kΩ 1/16W	
R137	ERJ3EKF1302V	Carbon, 13kΩ 1/16W	
R138	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R139	ERA3YED362V	Metal Glaze, 3.6kΩ 1/16W	
R141	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R142	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R143	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R144	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R145	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R146	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R147	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R148	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R149	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R150	ERJ8GEY0R00	Chip, 0Ω 1/8W	
R151	ERJ8GEY0R00	Chip, 0Ω 1/8W	
R152	ERA3YED183V	Metal Glaze, 18kΩ 1/16W	
R153	ERA3YED272V	Metal Glaze, 2.7kΩ 1/16W	
R154	ERA3YED123V	Metal Glaze, 12kΩ 1/16W	
R155	ERJ8GEY0R00	Chip, 0Ω 1/8W	
R156	ERJ8GEY0R00	Chip, 0Ω 1/8W	
R157	ERA3YED472V	Metal Glaze, 4.7kΩ 1/16W	
R158	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R159	ERA3YED103V	Metal Glaze, 10kΩ 1/16W	
R160	ERJ6GEYJ151	Chip, 150Ω 1/10W	
R161	ERJ6ENF6801V	Chip, 6.8kΩ 1/10W	
R162	ERJ6ENF2201V	Chip, 2.2kΩ 1/10W	
R172	ERJ3GEYJ100V	Chip, 10Ω 1/16W	
R173	ERJ2GEJ753X	Chip, 75kΩ 1/16W	
R174	ERA3YED272V	Metal Glaze, 2.7kΩ 1/16W	
R175	ERA3YED223V	Metal Glaze, 22kΩ 1/16W	
R176	ERJ6ENF5602V	Chip, 56kΩ 1/10W	
R182	ERJ3GEYJ823V	Chip, 82kΩ 1/16W	
R183	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R184	ERJ2GEJ223X	Chip, 22kΩ 1/16W	
R190	ERJ8GEYJR68V	Chip, 0.68Ω 1/8W	
R192	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R193	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R194	ERJ2GEJ682X	Chip, 6.8kΩ 1/16W	
R196	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R197	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R198	ERJ2GEJ682X	Chip, 6.8kΩ 1/16W	
R232	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R239	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R269	ERJ2GEJ821X	Chip, 820Ω 1/16W	
R270	ERJ2GEJ105X	Chip, 1MΩ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R272	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R280	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R283	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R286	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R287	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R288	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R290	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R291	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R292	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R293	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R296	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R299	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R338	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R345	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R346	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R354	ERJ2GEJ152X	Chip, 1.5kΩ 1/16W	
R355	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R356	ERJ6GEY0R00V	Chip, 0Ω 1/10W	
R371	ERJ3GEYJ102V	Chip, 1kΩ 1/16W	
R372	ERJ2GEJ222X	Chip, 2.2kΩ 1/16W	
R373	ERJ2GEJ222X	Chip, 2.2kΩ 1/16W	
R400	ERJ6ENF75R0V	Chip, 75Ω 1/10W	
R408	ERJ6ENF75R0V	Chip, 75Ω 1/10W	
R409	ERJ6ENF75R0V	Chip, 75Ω 1/10W	
R430	ERJ2GEJ560X	Chip, 56Ω 1/16W	
R438	ERJ2GEJ560X	Chip, 56Ω 1/16W	
R461	ERJ2GEJ560X	Chip, 56Ω 1/16W	
R462	ERJ2GEJ560X	Chip, 56Ω 1/16W	
R463	ERJ2GEJ560X	Chip, 56Ω 1/16W	
R516	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R517	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R518	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R519	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R520	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R521	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R522	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R523	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R524	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R526	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R527	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R528	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R529	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R530	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R531	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R532	ERJ2GEJ222X	Chip, 2.2kΩ 1/16W	
R533	ERJ2GEJ222X	Chip, 2.2kΩ 1/16W	
R736	ERJ2GEJ433X	Chip, 43kΩ 1/16W	
R737	ERJ2GEJ913X	Chip, 91kΩ 1/16W	
R782	D1BDR0470001	Chip, 0.047Ω 1/8W	
R783	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R784	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R785	ERJ2GEJ333X	Chip, 33kΩ 1/16W	
R786	ERJ2GEJ133X	Chip, 13kΩ 1/16W	
R787	ERJ2GEJ204X	Chip, 200kΩ 1/16W	
R788	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R789	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R790	ERJ2GEJ470X	Chip, 47Ω 1/16W	
R791	ERJ2GEJ821X	Chip, 820Ω 1/16W	
R792	ERJ2GEJ682X	Chip, 6.8kΩ 1/16W	
R793	ERJ3EKF1802V	Carbon, 18kΩ 1/16W	
R794	ERJ3EKF1002V	Carbon, 10kΩ 1/16W	
R3001	ERJ2GEJ681X	Chip, 680Ω 1/16W	
R3002	ERJ2GEJ202X	Chip, 2kΩ 1/16W	
R3003	ERJ2GEJ202X	Chip, 2kΩ 1/16W	
R3004	ERJ2GEJ681X	Chip, 680Ω 1/16W	
R3005	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R3028	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R4001	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
<b>CONNECTORS</b>			
CN310	K1KA15AA0229	Connector, 15P	
CN313	K1MN50BA0186	Connector, 50P	
CN399	K1KB80BA0055	Connector, 80P	

Ref. No.	Part No.	Part Name & Description	Remarks
CN972	K1KB40A00170	Connector, 40P	
CP301	K1KY02B00003	Connector, 3P	
<b>COILS</b>			
FL100	J0JHC0000026	Coil	
FL101	J0JHC0000026	Coil	
FL102	J0JHC0000026	Coil	
FL104	J0JHC0000026	Coil	
FL201	J0JGC0000020	Coil	
FL202	J0JGC0000035	Coil	
FL203	J0JGC0000035	Coil	
FL206	J0JGC0000020	Coil	
FL304	J0JGC0000035	Coil	
FL305	YELTBLM2B601	Coil	
FL306	J0JCC0000010	Coil	
FL307	YELTBLM21P3S	Coil	
FL308	J0JCC0000010	Coil	
FL677	J0JHC0000005	Coil	
FL678	J0JHC0000005	Coil	
L102	G1C220JA0036	Coil	
L103	G1A100HA0013	Coil	
L104	G1C100ZA0059	Coil	
L105	G1C220JA0036	Coil	
L106	G1C220Z00008	Coil	
L107	G1C100Z00021	Coil	
L108	G1C4R7ZA0142	Coil	
L109	G1C220Z00005	Coil	
L400	G1C2R2JA0036	Coil	
L730	G1C220Z00008	Coil	
L731	G1C220Z00008	Coil	
R130	J0JHC0000005	Coil	
R131	J0JHC0000005	Coil	
R135	J0JHC0000005	Coil	
R136	J0JHC0000005	Coil	
<b>CRYSTALS</b>			
X200	H0J491400017	Crystal Oscillator	
<b>NETWORK RESISTORS</b>			
RA501	D1H422220001	Network Resistor	
RA502	D1H422220001	Network Resistor	
<b>FILTERS</b>			
FL204	J0MAB0000015	Filter	
LC200	J0MAB0000015	Filter	
LC201	J0MAB0000015	Filter	
<b>VARIABLE RESISTORS</b>			
VR1	D3EA3472A004	Variabl resistor	
VR101	D3EA3472A004	Variabl resistor	
VR102	D3EA3472A004	Variabl resistor	
<b>[E3095] Tuner Block</b>			
<b>DIODES</b>			
D412	MA2J72900L	Diode	
<b>CAPACITORS</b>			
C417	F1G1A1040006	Ceramic, 0.1µF 10WV	
C418	F1G1A1040006	Ceramic, 0.1µF 10WV	
C419	F1G1A1040006	Ceramic, 0.1µF 10WV	
<b>RESISTORS</b>			
R411	ERJ2GEJ334X	Chip, 330kΩ 1/16W	
R412	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R413	ERJ2GEJ101X	Chip, 100Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R414	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R415	ERJ2GEJ220X	Chip, 22Ω 1/16W	
<b>CONNECTORS</b>			
CN100	K1KA40BA0240	Connector, 40P	
CN426	K1NA15E00001	Connector, 15P	
<b>NETWORK RESISTORS</b>			
RA411	D1H810340005	Network Resistor	
RA412	D1H810340005	Network Resistor	
RA413	D1H822040002	Network Resistor	
<b>[E9953A] ESC Block</b>			
<b>DIODES</b>			
D931	B3AEB0000053	Diode	
D932	B3AEB0000053	Diode	
D933	B3AEB0000053	Diode	
D934	B3AEB0000053	Diode	
<b>RESISTORS</b>			
R931	ERJ3GEYJ471V	Chip, 470Ω 1/16W	
R932	ERJ3GEYJ471V	Chip, 470Ω 1/16W	
R933	ERJ3GEYJ471V	Chip, 470Ω 1/16W	
R934	ERJ3GEYJ471V	Chip, 470Ω 1/16W	
<b>CONNECTORS</b>			
CN953	K1MN40B00044	Connector, 40P	
CN954	K1KA40A00264	Connector, 40P	
CN955	K1KB50A00132	Connector, 50P	
<b>[E9954A] TFT/SW Block</b>			
<b>IC's AND TRANSISTORS</b>			
IC401	AN8049SH-E1V	IC	
IC402	C1BB00000828	IC	
IC403	AN77L03M-E1	IC	
IC404	C3EBDC000049	IC	
IC405	C0EBH0000520	IC	
IC406	C0JBAA000372	IC	
IC407	C2BBFD000652	IC	
IC408	C1AB00002372	IC	
IC409	C0JBAR000513	IC	
IC410	AN2546FH-A	IC	
IC411	C0JBAZ002332	IC	
IC412	C0JBAF000701	IC	
IC413	C0ABBB000404	IC	
IC414	C0JBAC000344	IC	
IC415	C1AB00002215	IC	
IC417	YEAMM2107FT1	IC	
IC418	C0DBEK000001	IC	
IC420	C1CB00002614	IC	
IC421	C0DBEJC00002	IC	
IC422	C0JBAA000319	IC	
IC601	C0DBAY00280	IC	
IC602	C0EBC0000240	IC	
IC603	C0JBAA000372	IC	
IC604	C0JBAZ002332	IC	
IC970	PNA4S42M01MC	IC	
Q401	B1ABGE000009	Transistor	
Q402	B1ADDE000021	Transistor	
Q403	B1GBCFNN0009	Transistor	
Q404	B1GDCFJN0011	Transistor	
Q405	B1ABCF000021	Transistor	
Q406	B1ABCF000021	Transistor	
Q407	2SD0601AHR	Transistor	
Q408	B1HFCFA00020	Transistor	
Q409	B1HFCFA00020	Transistor	







Ref. No.	Part No.	Part Name & Description	Remarks
R428	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R429	ERJ2GEJ222X	Chip, 2.2kΩ 1/16W	
R430	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R431	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R432	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R433	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R434	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R435	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R436	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R437	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R438	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R439	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R440	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R441	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R442	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R443	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R444	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R445	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R447	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R450	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R451	ERJ2GEJ153X	Chip, 15kΩ 1/16W	
R452	ERJ2GEJ333X	Chip, 33kΩ 1/16W	
R453	ERJ2GEJ334X	Chip, 330kΩ 1/16W	
R454	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R455	ERJ2GEJ182X	Chip, 1.8kΩ 1/16W	
R456	ERJ2GEJ391X	Chip, 390Ω 1/16W	
R457	ERJ2GEJ184X	Chip, 180kΩ 1/16W	
R458	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R459	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R460	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R461	ERJ2GEJ431X	Chip, 430Ω 1/16W	
R464	ERJ2GEJ331X	Chip, 330Ω 1/16W	
R465	ERJ2GEJ512X	Chip, 5.1kΩ 1/16W	
R469	ERJ2GEJ222X	Chip, 2.2kΩ 1/16W	
R470	ERJ2GEJ331X	Chip, 330Ω 1/16W	
R472	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R473	ERJ2GEJ564X	Chip, 560kΩ 1/16W	
R474	ERJ2GEJ822X	Chip, 8.2kΩ 1/16W	
R475	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R476	ERJ2GEJ224X	Chip, 220kΩ 1/16W	
R477	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R478	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R479	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R480	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R481	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R483	ERJ2GEJ105X	Chip, 1MΩ 1/16W	
R484	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R487	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R491	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R492	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R493	ERJ2GEJ473X	Chip, 47kΩ 1/16W	
R494	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R495	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R496	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R497	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R498	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R499	ERJ2GEJ822X	Chip, 8.2kΩ 1/16W	
R500	ERJ2GEJ563X	Chip, 56kΩ 1/16W	
R502	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R506	ERJ2GEJ303X	Chip, 30kΩ 1/16W	
R508	ERJ2GEJ122X	Chip, 1.2kΩ 1/16W	
R509	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R510	ERJ6GEYJ470	Chip, 47Ω 1/10W	
R512	ERA3YED123V	Metal Glaze, 12kΩ 1/16W	
R513	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R514	ERJ2GEJ332X	Chip, 3.3kΩ 1/16W	
R516	ERJ2GEJ562X	Chip, 5.6kΩ 1/16W	
R517	ERJ2GEJ221X	Chip, 220Ω 1/16W	
R518	ERJ2GEJ822X	Chip, 8.2kΩ 1/16W	
R520	ERA6YKD134V	Metal Film, 130kΩ 1/10W	
R521	ERJ3GEYJ223V	Chip, 22kΩ 1/16W	
R522	ERJ6GEYJ470	Chip, 47Ω 1/10W	
R523	ERA3YKD274V	Metal Glaze, 270kΩ 1/16W	
R524	ERJ3GEYJ362V	Chip, 3.6kΩ 1/16W	

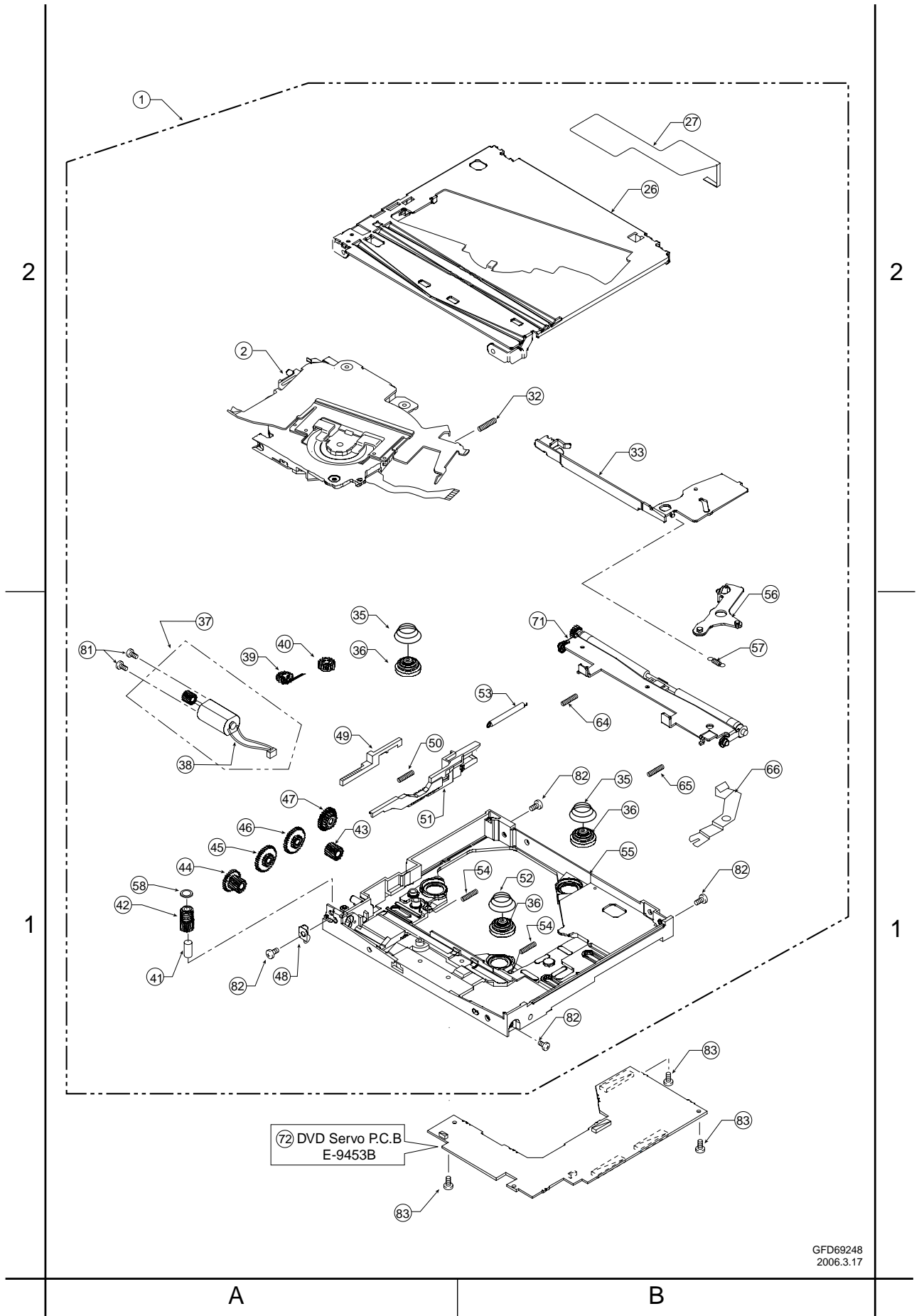
Ref. No.	Part No.	Part Name & Description	Remarks
R529	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R530	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R531	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R532	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R537	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R538	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R539	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R540	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R541	ERJ2GEJ682X	Chip, 6.8kΩ 1/16W	
R542	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R543	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R544	ERJ2GEJ153X	Chip, 15kΩ 1/16W	
R546	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R547	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R548	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R552	ERJ2GEJ153X	Chip, 15kΩ 1/16W	
R553	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R554	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R556	ERJ2GEJ683X	Chip, 68kΩ 1/16W	
R557	ERJ2GEJ153X	Chip, 15kΩ 1/16W	
R558	ERJ2GEJ683X	Chip, 68kΩ 1/16W	
R559	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R560	ERJ2RHD512X	Chip, 5.1kΩ 1/16W	
R562	ERJ2GEJ105X	Chip, 1MΩ 1/16W	
R563	ERJ2RHD512X	Chip, 5.1kΩ 1/16W	
R565	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R571	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R572	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R573	ERJ3GEYJ202V	Chip, 2kΩ 1/16W	
R574	ERJ2GEJ202X	Chip, 2kΩ 1/16W	
R576	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R577	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R578	ERJ2GEJ100X	Chip, 10Ω 1/16W	
R580	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R581	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R584	ERJ2GE0R00X	Chip, 0Ω 1/16W	
R585	ERJ2GEJ102X	Chip, 1kΩ 1/16W	
R586	ERJ2GEJ101X	Chip, 100Ω 1/16W	
R587	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R588	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R589	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R590	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R591	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R592	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R593	ERJ2GEJ220X	Chip, 22Ω 1/16W	
R594	ERJ3EKF2202V	Carbon, 22kΩ 1/16W	
R595	ERJ3EKF5602V	Carbon, 56kΩ 1/16W	
R596	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R597	ERJ2GEJ104X	Chip, 100kΩ 1/16W	
R601	ERJ3RBD243V	Metal Glaze, 24kΩ 1/16W	
R602	ERJ3EKF1302V	Carbon, 13kΩ 1/16W	
R603	ERJ3GEYJ104V	Chip, 100kΩ 1/16W	
R604	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R605	ERJ3RBD683V	Metal Glaze, 68kΩ 1/16W	
R606	ERJ3RBD202V	Metal Glaze, 2kΩ 1/16W	
R607	ERJ3EKF2203V	Carbon, 220kΩ 1/16W	
R608	ERJ3EKF4302V	Carbon, 43kΩ 1/16W	
R609	ERJ3GEYJ103V	Chip, 10kΩ 1/16W	
R610	ERJ3EKF4220V	Carbon, 422Ω 1/16W	
R611	ERJ3EKF2612V	Carbon, 26.1kΩ 1/16W	
R612	ERJ3GEYJ332V	Chip, 3.3kΩ 1/16W	
R613	ERJ3GEYJ105V	Chip, 1MΩ 1/16W	
R614	ERJ3GEYJ472V	Chip, 4.7kΩ 1/16W	
R615	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R620	ERJ3GEY0R00V	Chip, 0Ω 1/16W	
R621	ERJ3GEYJ750V	Chip, 75Ω 1/16W	
R622	ERJ3EKF2403V	Carbon, 240kΩ 1/16W	
R623	ERJ3EKF2001V	Carbon, 2kΩ 1/16W	
R624	ERA3YED153V	Metal Glaze, 15kΩ 1/16W	
R625	ERJ3EKF1002V	Carbon, 10kΩ 1/16W	
R628	ERJ2GEJ103X	Chip, 10kΩ 1/16W	
R632	ERJ2GEJ222X	Chip, 2.2kΩ 1/16W	
R633	ERJ2GEJ472X	Chip, 4.7kΩ 1/16W	
R971	ERJ3GEYJ182V	Chip, 1.8kΩ 1/16W	



Ref. No.	Part No.	Part Name & Description	Remarks
<b>Accessories</b>			
<b>PRINTINGS</b>			
	-	Quick Reference Guidebook	TSN
	-	Operating Instructions	TSN
	-	System Upgrade Guidebook	TSN
	-	Installation Instructions	TSN
<b>INSTALLATION PARTS</b>			
	YEFC041589B	Trim Plate	
	YEFG013081A	Mounting Collar	
	YEFX0052513	Mounting Spring	
	YEFG04019	Rear Support Strap	
	YEP0FZ5810	Bis kit (Mounting Bolt, Tapping Screw, Hex. Nut)	
	YEP0FZ5811	Accessory Part or Tool	
	YEP0FZ5726	GPS Kit	
	YEAJ012837A	Power Connector	
	YEAJ071554	Speed Pulse Cable	
	YEAJ071720	Vehicle signal connector	
	K1V912Y10001	AV connector	
	YEAJ071818	Rear view camera RCA conversion cable	
	YEAJ09325	Ground connection cable	
<b>Mechanical Parts</b>			
<b>MISCELLANEOUS</b>			
F600	K5H122B00001	Fuse, E3182A	△
F601	K5H632A00008	Fuse, E3182A	△
F602	K5H632A00008	Fuse, E3182A	△
BT100	CR2032/G5A	Battery, E9733A	△
AJ1	YEAJ011672	Cable 3P	
AJ2	YEAJ012876B	Cable 15P	
AJ9	YEAJ071824	Cable 7P	
ANT51	YAAA10091	Ant Jack	
AT1	K4CD01000015	Terminal, E3182A	
AT1901	K4CD01000015	Terminal, E3182A	
AT2	K4CD01000015	Terminal, E3182A	
AT3	K4CD01000015	Terminal, E3182A	
AT4	K4CD01000015	Terminal, E3182A	
AT301	K4CD01000015	Terminal, E9733A	
AT302	K4CD01000015	Terminal, E9733A	
AT303	K4CD01000015	Terminal, E9733A	
AT304	K4CD01000015	Terminal, E9733A	
AT1	K4CD01000015	Terminal, E9953A	
AT2	K4CD01000015	Terminal, E9953A	
AT3	K4CD01000015	Terminal, E9953A	
AT4	K4CD01000015	Terminal, E9953A	
AT5	K4ZZ01000230	Terminal, E9953A	
AT6	K4ZZ01000230	Terminal, E9953A	
AT7	K4ZZ01000230	Terminal, E9953A	
AT401	K4CD01000015	Terminal, E9954A	
AT402	K4CD01000015	Terminal, E9954A	
AT403	K4CD01000015	Terminal, E9954A	
AT404	K4CD01000015	Terminal, E9954A	
AT201	K4CD01000015	Terminal, E9955A	
AT401	K4CD01000015	Terminal, E9955A	
AT402	K4CD01000015	Terminal, E9955A	
AT403	K4CD01000015	Terminal, E9955A	
CNP1	K9ZZ00001707	FFC, 50P	
CNP3	K9ZZ00001706	FFC, 33P	
CNP4	K9ZZ00001558	FFC, 40P	
CNP5	K9ZZ00001557	FFC, 30P	
CNP6	K9ZZ00001556	FFC, 12P	
CNP7	K9ZZ00001418	FFC, 40P	
CNP8	K2KYYYY00015	Remote Out Connector	
CNP9	K9ZZ00001491	FFC, 40P	
CNP10	K9ZZ00001417	FFC, 9P	
CNP21	K9ZZ00001417	FFC, 9P	
CNP22	K9ZZ00001417	FFC, 9P	

Ref. No.	Part No.	Part Name & Description	Remarks
E300	EWTS84NB11	Sensor, E9733A	
E301	YESAP453	GPS Pack, E9733A	
E351	YEAJ09410	Cable, E9733A	
E352	YEAJ09409	Cable, E9733A	
M1	UDQFS2H53	Dc Motor	
1	YEFV033986	Magnetic Shield (HDD)	
2	YESSZHD2225	HDD Unit	
3	YEFV033984	Magnetic Shield, Navi	
4	YEFV033983	Magnetic Shield, HDD	
5	YEFV033982A	Magnetic Shield, DVD	
6	YEFX0217435	DVD Bracket	
7	YEFM031568	Deck Laser Seal	
8	YEFX9995803	Pad, DVD	
9	YEFV033981	Magnetic Shield, DVD	
10	YEFX9995322	Pad, Tuner	
11	YEFX0217442	Bracket, Tuner	
12	YEP0PT9955A0	Navi/HDD PCB w/Component	RTL
13	YEFV012630	Insulator, DVD	
14	YEP0PT9733B0	SUB PCB w/Component	RTL
15	YEFA032076	Upper Cover	
16	YEFF012026A	Heat Sink	
17	YEFV033988	Magnetic Shield, Sub	
18	YEFV012507	Insulator, BT100	
19	YEFX9995802	Shield Plate, Sub	
20	YEFV033989	Magnetic Shield ,Sub	
21	YEFX0217142	Bracket, CN600	
22	YEFX0217444A	Bracket, CN1104,1105	
23	YEFX0217502	Bracket, Main	
24	YEFV033987	Magnetic Shield, ANT51	
25	YEFV034173A	Magnetic Shield, PA51	
26	YEFX0217269	Bracket, CN700	
27	YEFX0217438A	Bracket, IC300	
28	YEFX0217447	Bracket, CN271, CN725	
29	YEFX0217439	Bracket, IC109, IC721	
30	YEFJ05030	Rivet	
31	YEFX0053120	Spring, L	
32	YEFX0053119	Spring, R	
33	YEFX0217299	Bracket, TV Tuner	
34	YEFX0217448	Bracket, TV Tuner	
35	YEP0PT3182A0	Main/Connector PCB w/Component	RTL
37	YEFX0217440	Bracket, CN1921	
38	YEFA012405B	Chassis	
39	YEFX9995455	Protecting seal	
40	YEFC0266878	Escutcheon Ass'y	
41	YEFX0217436	Bracket, SW	
42	YEFK02062	Holder, SW	
43	YEFK1311339A	Button Block	
44	YEFX0217629	Bracket	
45	YEP0PT3095C0	TV Tuner PCB w/Component	RTL
46	YEP0PT9954A0	TFT/SW PCB w/Component	RTL
47	YEFC0267186	ESC Holder	
48	YEFS04782	Packing Rubber	
49	YEW05167	Washer, L	
50	YEW05178	Washer, R	
51	YEFA134208	Case, Rear	
52	YEFF012088	Heat Sink, Rear	
53	YEFX0217434	Bracket, M1	
54	YEFS012376	Fan Pad	
55	YEFA012488	Slide Mechanism Ass'y	
56	YEAJ01063	Dc Motor Ass'y	
57	YEP0PT9953A0	ESC PCB w/Component	RTL
71	YEJS06429	Binding Screw	
72	YEJS06027A	Binding Screw	
75	YEJT01154A	Machin Screw	
76	YEJT03180A	Tapping Screw	
77	YEJT03321	Screw	
78	YEJT03339A	Tapping Screw	
79	YEJT03340A	Tapping Screw	
80	YEJT03353A	Tapping Screw	
81	YEJS05105A	Screw with Washer	
81	YEJT03370	Tapping Screw	
82	YEJT03319A	Tapping Screw	

### 11.3. Exploded View [DVD Deck]



GFD69248  
2006.3.17

## 11.4. DVD PLAYER PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components, identified by  $\Delta$  mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
  - Order intake period is basically six months after the first shipment.

Ref. No.	Part No.	Part Name & Description	Remarks
<b>[E9453B] DVD Servo Block</b>			
<b>IC's AND TRANSISTORS</b>			
IC101	AN8703FH-V	IC	
IC201	MNZS26EDCUB	IC	
IC271	C0JBAA000372	IC	
IC275	C0JBAZ002826	IC	
IC311	C0GBY0000012	IC	
IC321	C0GBH0000006	IC	
IC411	C0CBADC000084	IC	
IC421	YEAM17805FP	IC	
IC431	C0JBAA000356	IC	
IC441	MN13821SJP	IC	
IC501	C1AB00002402	IC	
IC561	C0JBAZ002826	IC	
IC601	C3ABPJ000074	IC	
IC621	C3FBMD000282	IC	
IC631	C0JBAH000127	IC	
IC641	C0JBAH000127	IC	
IC651	C3GBCA000001	IC	
IC652	C0JBAB0000890	IC	
IC721	C0FBBK000048	IC	
Q151	2SB766ATX	Transistor	
Q152	2SB766ATX	Transistor	
Q153	B1GDCFN0007	Transistor	
Q154	B1GBCFN0009	Transistor	
Q251	B3HB00000023	Transistor	
Q252	B3HB00000023	Transistor	
Q253	B3HB00000023	Transistor	
Q301	B1GBGEEA0001	Transistor	
Q321	B1GBGFGG0001	Transistor	
<b>DIODE</b>			
D311	MA721TX	Diode	
<b>CAPACITORS</b>			
C101	F1G1H5610004	Ceramic, 560PF 50WV	
C102	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C103	F1G1H1020008	Ceramic, 1000PF 50WV	
C104	F1G1H1020008	Ceramic, 1000PF 50WV	
C113	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C114	F1J0J106A014	Ceramic, 10 $\mu$ F 6.3WV	
C115	F1J0J106A014	Ceramic, 10 $\mu$ F 6.3WV	
C116	F1G1H1020008	Ceramic, 1000PF 50WV	
C117	F1J0J106A014	Ceramic, 10 $\mu$ F 6.3WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C121	F1G1H6R0A608	Ceramic, 6PF 50WV	
C122	F1J0J106A014	Ceramic, 10 $\mu$ F 6.3WV	
C124	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C125	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C126	F1H1E273A011	Ceramic, 0.027 $\mu$ F 25WV	
C127	F1H1C473A005	Ceramic, 0.047 $\mu$ F 16WV	
C128	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C129	F1G1H101A566	Ceramic, 100PF 50WV	
C131	F1G1H5610004	Ceramic, 560PF 50WV	
C132	F1G1H5610004	Ceramic, 560PF 50WV	
C133	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C134	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C136	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C137	F1J0J106A014	Ceramic, 10 $\mu$ F 6.3WV	
C141	F1G1C1030008	Ceramic, 0.01 $\mu$ F 16WV	
C142	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C143	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C144	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C145	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C151	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C152	YECW0J476MS	Tantalum, 47 $\mu$ F 6.3WV	
C153	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C154	YECW0J476MS	Tantalum, 47 $\mu$ F 6.3WV	
C201	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C202	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C203	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C204	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C205	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C206	F1G1H101A566	Ceramic, 100PF 50WV	
C207	F1J0J106A014	Ceramic, 10 $\mu$ F 6.3WV	
C208	F1J0J106A014	Ceramic, 10 $\mu$ F 6.3WV	
C211	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C213	F1G1H101A566	Ceramic, 100PF 50WV	
C214	F1G1H101A566	Ceramic, 100PF 50WV	
C215	F1G1C1030008	Ceramic, 0.01 $\mu$ F 16WV	
C216	F1G1C1030008	Ceramic, 0.01 $\mu$ F 16WV	
C221	F1G1H220A566	Ceramic, 22PF 50WV	
C222	F1G1H220A566	Ceramic, 22PF 50WV	
C223	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C224	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C225	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C226	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C231	F1G1C1030008	Ceramic, 0.01 $\mu$ F 16WV	
C232	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C234	F1G1C1030008	Ceramic, 0.01 $\mu$ F 16WV	
C235	F1J0J106A014	Ceramic, 10 $\mu$ F 6.3WV	
C236	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C237	F1G1C223A081	Ceramic, 0.022 $\mu$ F 16WV	
C239	F1G1H470A565	Ceramic, 47PF 50WV	
C240	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C241	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C242	F1G1H1020008	Ceramic, 1000PF 50WV	
C243	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C244	YECUZ1H562KX	Ceramic, 5600PF 50WV	
C245	F1G1H1020008	Ceramic, 1000PF 50WV	
C246	F1G1H1020008	Ceramic, 1000PF 50WV	
C247	F1G1H1020008	Ceramic, 1000PF 50WV	
C248	F1G1H5610004	Ceramic, 560PF 50WV	
C249	F1G1H5610004	Ceramic, 560PF 50WV	
C250	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C251	F1G1H222A571	Ceramic, 2200PF 50WV	
C252	F1G1H4710004	Ceramic, 470PF 50WV	
C253	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C261	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C262	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C263	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C264	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C265	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C266	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C271	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C272	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C275	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C311	F1G1A104A014	Ceramic, 0.1 $\mu$ F 10WV	
C312	F1H1H104A783	Ceramic, 0.1 $\mu$ F 50WV	



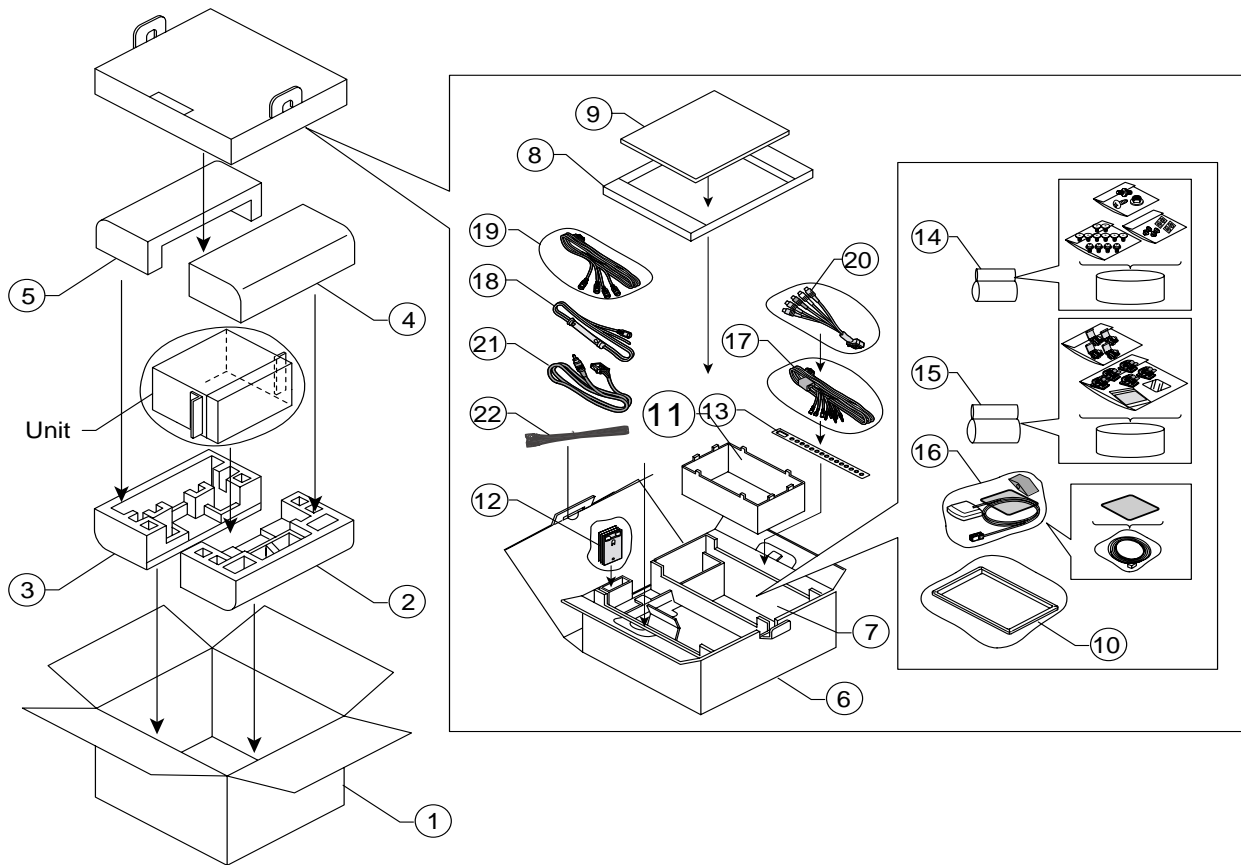


Ref. No.	Part No.	Part Name & Description	Remarks
R263	ERJ2GEJ270X	Chip, 27 $\Omega$ 1/16W	
R264	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R265	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R266	ERJ2GE0R00X	Chip, 0 $\Omega$ 1/16W	
R267	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R268	ERJ2GEJ102X	Chip, 1k $\Omega$ 1/16W	
R269	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R270	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R275	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R276	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R277	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R278	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R279	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R280	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R281	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R282	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R283	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R284	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R285	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R286	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R287	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R288	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R289	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R290	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R291	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R292	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R293	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R294	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R295	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R296	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R297	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R298	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R301	ERJ2GEJ181X	Chip, 180 $\Omega$ 1/16W	
R302	ERJ2GEJ181X	Chip, 180 $\Omega$ 1/16W	
R303	ERJ2GEJ181X	Chip, 180 $\Omega$ 1/16W	
R311	ERJ2GEJ473X	Chip, 47k $\Omega$ 1/16W	
R312	ERJ2GEJ181X	Chip, 180 $\Omega$ 1/16W	
R313	ERJ2GEJ682X	Chip, 6.8k $\Omega$ 1/16W	
R314	ERJ2GEJ562X	Chip, 5.6k $\Omega$ 1/16W	
R315	ERJ2GEJ562X	Chip, 5.6k $\Omega$ 1/16W	
R316	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R317	ERJ2GEJ562X	Chip, 5.6k $\Omega$ 1/16W	
R321	ERJ2GEJ472X	Chip, 4.7k $\Omega$ 1/16W	
R322	ERJ2GEJ473X	Chip, 47k $\Omega$ 1/16W	
R323	ERJ8GEYJR51V	Chip, 0.51 $\Omega$ 1/8W	
R324	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R325	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R327	ERJ6GEY0R00V	Chip, 0 $\Omega$ 1/10W	
R431	ERJ2GEJ104X	Chip, 100k $\Omega$ 1/16W	
R441	ERJ2GEJ473X	Chip, 47k $\Omega$ 1/16W	
R501	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R511	ERJ2GEJ330X	Chip, 33 $\Omega$ 1/16W	
R512	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R513	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R514	ERJ2GEJ151X	Chip, 150 $\Omega$ 1/16W	
R515	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R516	ERJ2GEJ473X	Chip, 47k $\Omega$ 1/16W	
R517	ERJ2GEJ473X	Chip, 47k $\Omega$ 1/16W	
R518	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R519	ERJ2GEJ220X	Chip, 22 $\Omega$ 1/16W	
R521	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R522	ERJ2GEJ330X	Chip, 33 $\Omega$ 1/16W	
R523	ERJ8GEYJ100V	Chip, 10 $\Omega$ 1/8W	
R524	ERJ2GEJ330X	Chip, 33 $\Omega$ 1/16W	
R525	ERJ2GEJ330X	Chip, 33 $\Omega$ 1/16W	
R526	ERJ2GEJ151X	Chip, 150 $\Omega$ 1/16W	
R527	ERJ2RHD102X	Chip, 1k $\Omega$ 1/16W	
R528	ERJ6ENF75ROV	Chip, 75 $\Omega$ 1/10W	
R541	ERJ2GEJ332X	Chip, 3.3k $\Omega$ 1/16W	
R543	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R552	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R553	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R554	ERJ2GEJ202X	Chip, 2k $\Omega$ 1/16W	
R555	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R556	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R557	ERJ2GEJ393X	Chip, 39k $\Omega$ 1/16W	
R570	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R571	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R572	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R573	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R574	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R575	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R576	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R577	ERJ2GEJ471X	Chip, 470 $\Omega$ 1/16W	
R621	ERJ2GEJ151X	Chip, 150 $\Omega$ 1/16W	
R623	ERJ2GEJ103X	Chip, 10k $\Omega$ 1/16W	
R631	ERJ2GEJ750X	Chip, 75 $\Omega$ 1/16W	
R651	ERJ2GEJ202X	Chip, 2k $\Omega$ 1/16W	
R701	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R702	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R703	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R704	ERJ2GE0R00X	Chip, 0 $\Omega$ 1/16W	
R705	ERJ2GE0R00X	Chip, 0 $\Omega$ 1/16W	
R706	ERJ2GE0R00X	Chip, 0 $\Omega$ 1/16W	
R707	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R708	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R709	ERJ2GEJ221X	Chip, 220 $\Omega$ 1/16W	
R711	ERJ3GEY0R00V	Chip, 0 $\Omega$ 1/16W	
R712	ERJ3GEY0R00V	Chip, 0 $\Omega$ 1/16W	
R713	ERJ2GEJ221X	Chip, 220 $\Omega$ 1/16W	
R714	ERJ2GEJ221X	Chip, 220 $\Omega$ 1/16W	
R715	ERJ2GEJ221X	Chip, 220 $\Omega$ 1/16W	
R716	ERJ2GEJ221X	Chip, 220 $\Omega$ 1/16W	
R717	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R718	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R721	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R722	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R723	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R724	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
R725	ERJ2GEJ101X	Chip, 100 $\Omega$ 1/16W	
<b>CONNECTORS</b>			
CN101	K1MN30BA0112	Connector, 30P	
CN201	K1MN40BA0195	Connector, 40P	
CN301	K1MN04BA0111	Connector, 4P	
CN302	K1KA02BA0085	Connector, 2P	
CN303	K1MN20BA0111	Connector, 20P	
CN401	K1MN12BA0111	Connector, 12P	
CN701	K1MN30BA0112	Connector, 30P	
<b>COILS</b>			
L101	J0JCC0000152	Coil	
L102	J0JCC0000152	Coil	
L201	J0JCC0000152	Coil	
L401	YELTBMHS800T	Coil	
L403	YELTBMHS800T	Coil	
L404	YELTBMHS800T	Coil	
L406	YELTBMHS800T	Coil	
L511	J0JCC0000042	Coil	
L513	J0JCC0000152	Coil	
L514	J0JCC0000152	Coil	
L515	J0JCC0000152	Coil	
L516	J0JCC0000152	Coil	
L541	J0JCC0000152	Coil	
L705	G1C2R2K00013	Coil	
L721	J0JCC0000159	Coil	
L722	J0JCC0000159	Coil	
L723	J0JCC0000159	Coil	
L724	J0JCC0000159	Coil	
<b>SWITCH</b>			
SW301	K0L1BA000104	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
<b>CRYSTALS</b>			
XL201	H0J168500003	Crystal Oscillator	
XL501	H1A2705B0025	Crystal Oscillator	
<b>NETWORK RESISTORS</b>			
R261	D1H810340005	Network Resistor	
R262	D1H839340001	Network Resistor	
R271	D1H810340005	Network Resistor	
R272	D1H882040001	Network Resistor	
R273	D1H882040001	Network Resistor	
R274	D1H839340001	Network Resistor	
<b>FILTERS</b>			
L512	J0MAB0000134	Filter	
L703	J0MAB0000015	Filter	
L704	J0MAB0000015	Filter	
<b>Mechanical Parts</b>			
<b>MISCELLANEOUS</b>			
1	YGP0FX13504	Deck Mechanism Ass'y	
2	YGP0FX13507	Suspension Ass'y	
26	YGFA012207	Upper Chassis	
27	YGAP2890A	Sensor FPC Ass'y	
32	YGFX0052654	Earth Spring	
33	YGFX0462197	Suspension Lock Lever (L)	
35	YGFX0052630	Suspension Spring	
36	YGFS04858	Damper	
37	YGP0FX13498	Loading Motor Ass'y	
38	K1LB02A00105	Connector w/Lead Wire	
39	YGFX0031172	Lock Gear (1)	
40	YGFX0031173	Lock Gear (2)	
41	YGFW062772	Loading Gear Shaft	
42	YGFX0031166A	Laoding Gear (1)	
43	YGFX0031167	Laoding Gear (2)	
44	YGFX0031168	Laoding Gear (3)	
45	YGFX0031169	Laoding Gear (4)	
46	YGFX0031170	Laoding Gear (5)	
47	YGFX0031171	Laoding Gear (6)	
48	YGFX0052632	Worm Gear Housing Spring	
49	YGFX0031178	Clamp Rack	
50	YGFX0052633	Clamp Rack Spring	
51	YGFX0462195B	Slide Lever	
52	YGFX0052711	Suspension Spring (F)	
53	YGFX0052634	Slide Lever Spring	
54	YGFX0052631	Offset Spring	
55	YGFA012014D	Main Chassis	
56	YGFX0462196	Suspension Lock Lever (R)	
57	YGFX0052635	Suspension Lock Lever L Spring	
58	YGFX9995764	Load Gear 1 Collar	
64	YGFX0052668	Feeder Spring (L)	
65	YGFX0052669A	Feeder Spring (R)	
66	YGFX0052639	Upper Spring	
71	YGP0FX5561	Feeder Arm Ass'y	
72	YGP0PT9453F0	DVD Servo PCB w/Component	RTL
81	YGJS06292	Screw	
82	YEJT03152A	Screw	
83	YGJT01101	Screw	

## 11.5. Packing Parts List

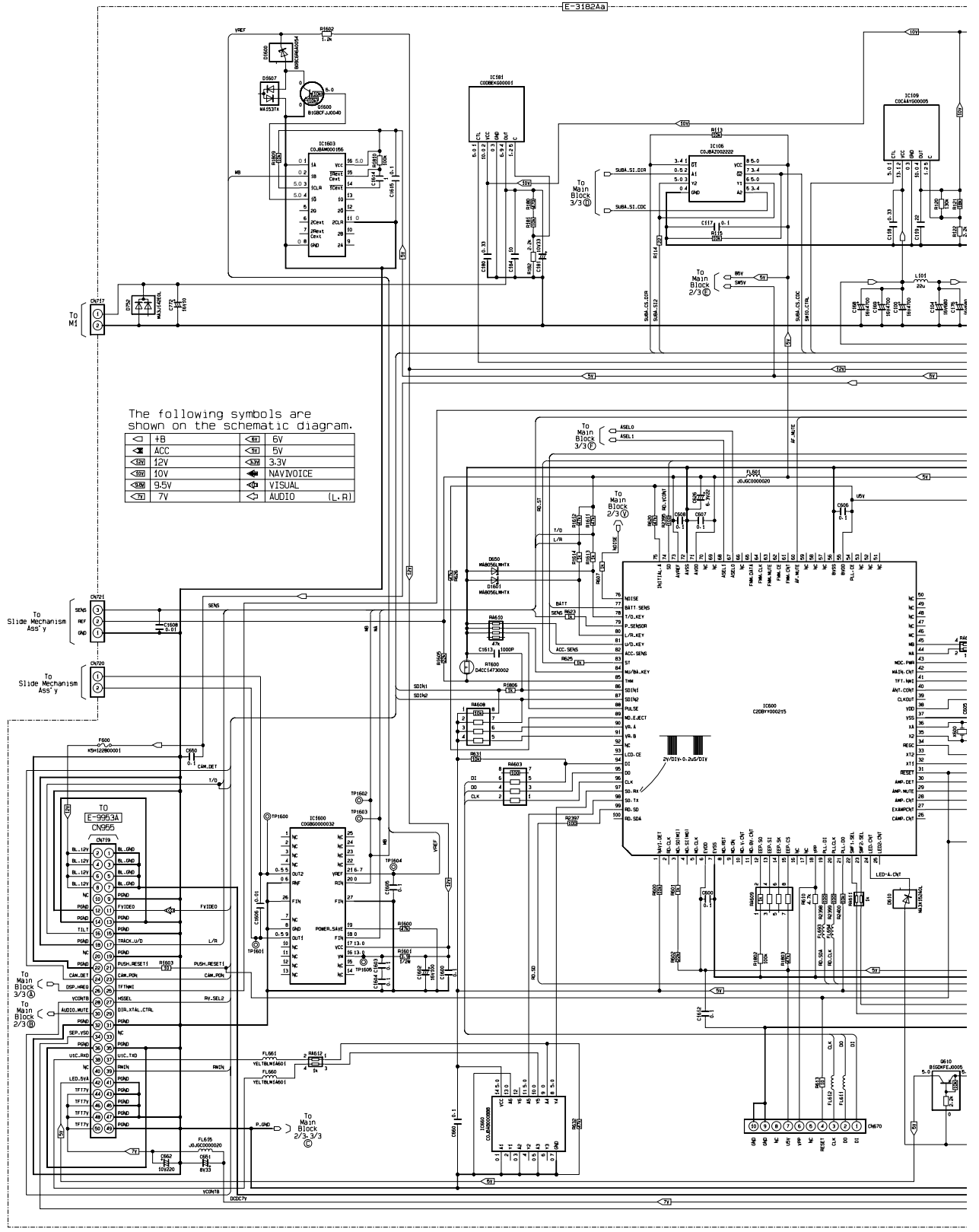


• Item numbers listed below should not order regular spare parts. **(not available)**

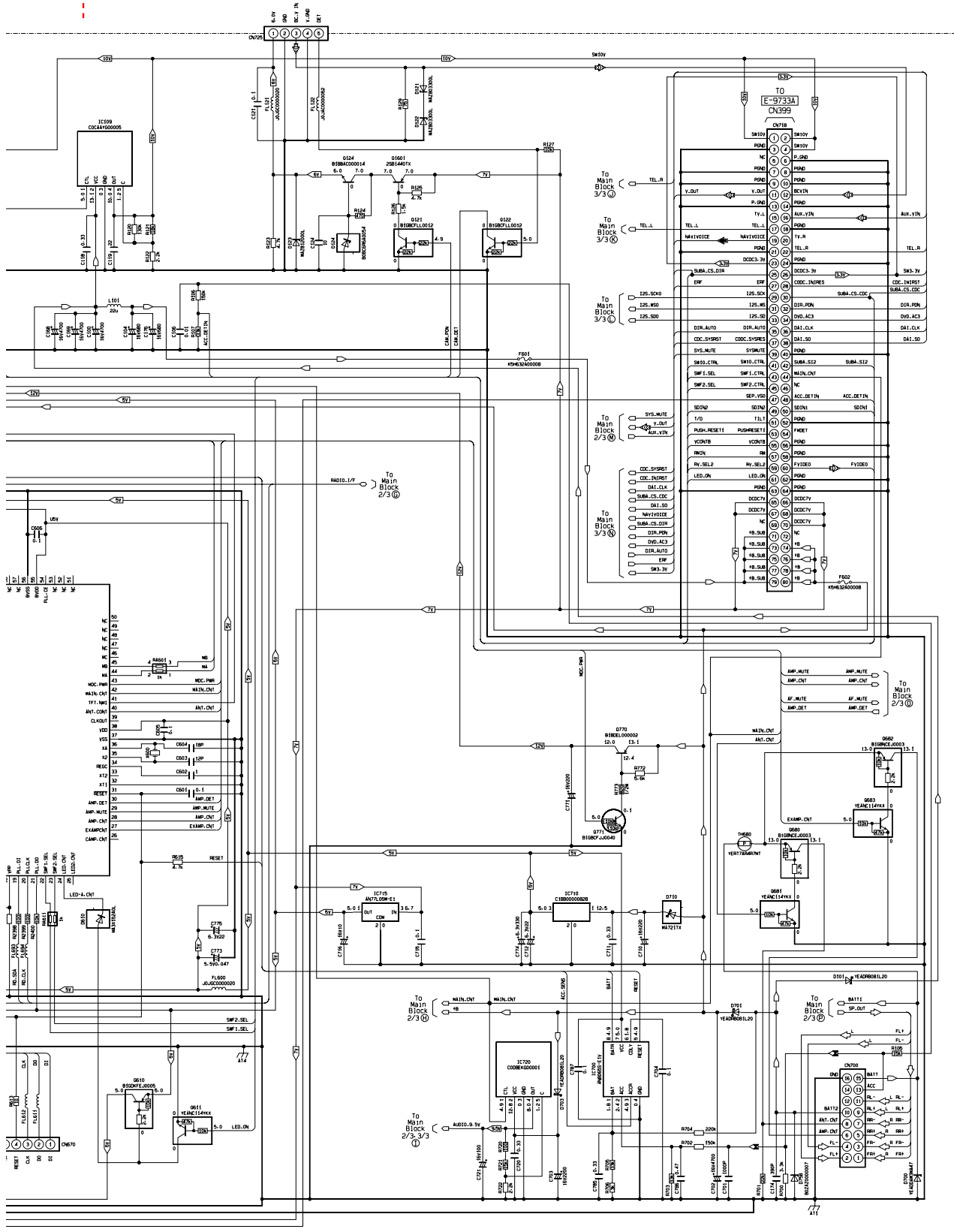
Item No.	Parts No.	Part Name & Description	Q'ty	Remarks
1	-	Inner Carton	1	Not available
2	-	Packing Pad (Front_Under)	1	Not available
3	-	Packing Pad (Rear_Under)	1	Not available
4	-	Packing Pad (Front_Upper)	1	Not available
5	-	Packing Pad (Rear_Upper)	1	Not available
6	-	Packing Pad (A)	1	Not available
7	-	Packing Pad (B)	1	Not available
8	-	Packing Pad (C)	1	Not available
9	-	Quick Reference Guidebook	(1)	Not available
	-	Operating Instructions	(1)	Not available
	-	System Upgrade Guidebook	(1)	Not available
	-	Installation Instructions	(1)	Not available
10	YEFC041589B	Trim Plate	1	
11	YEFG013081A	Mounting Collar	1	
12	YEFX0052513	Mounting Spring	4	
13	YEFG04019	Rear Support Strap	1	
14	YEP0FZ5810	Bis kit (Mounting Bolt, Tapping Screw, Hex. Nut, Round head Screw, Flat-Head Screw, Spacer, Double-Faced Adhesive Tape)	1	
15	YEP0FZ5811	Accessory Part Or Tool (Clip Connector, Protection sheet, Cord clamber, wiping Cloth)	1	
16	YEP0FZ5726	GPS Kit (GPS antenna, Rubber water seal, Metal Sheet)	1	
17	YEAJ012837A	Power Connector	1	
18	YEAJ071554	Speed Pulse Cable	1	
19	YEAJ071720	Vehicle signal connector	1	
20	K1V912Y10001	AV connector	1	
21	YEAJ071818	Rear view camera RCA conversion cable	1	
22	YEAJ09325	Ground connection cable	1	

# 12 Schematic Diagram for Printing with Letter Size

## 12.1. Main Block-1 (Left Side)

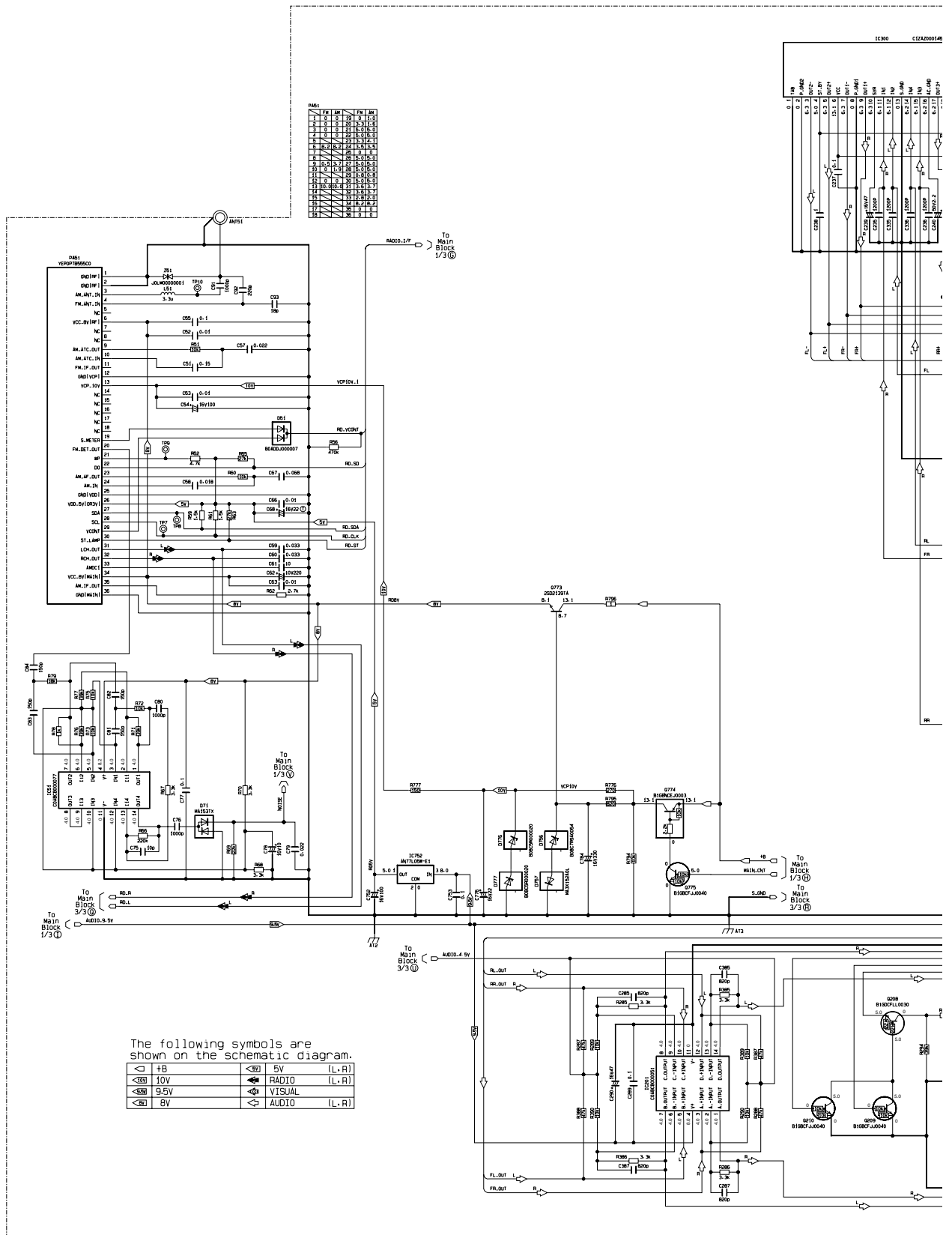


# 12.2. Main Block-1 (Right Side)

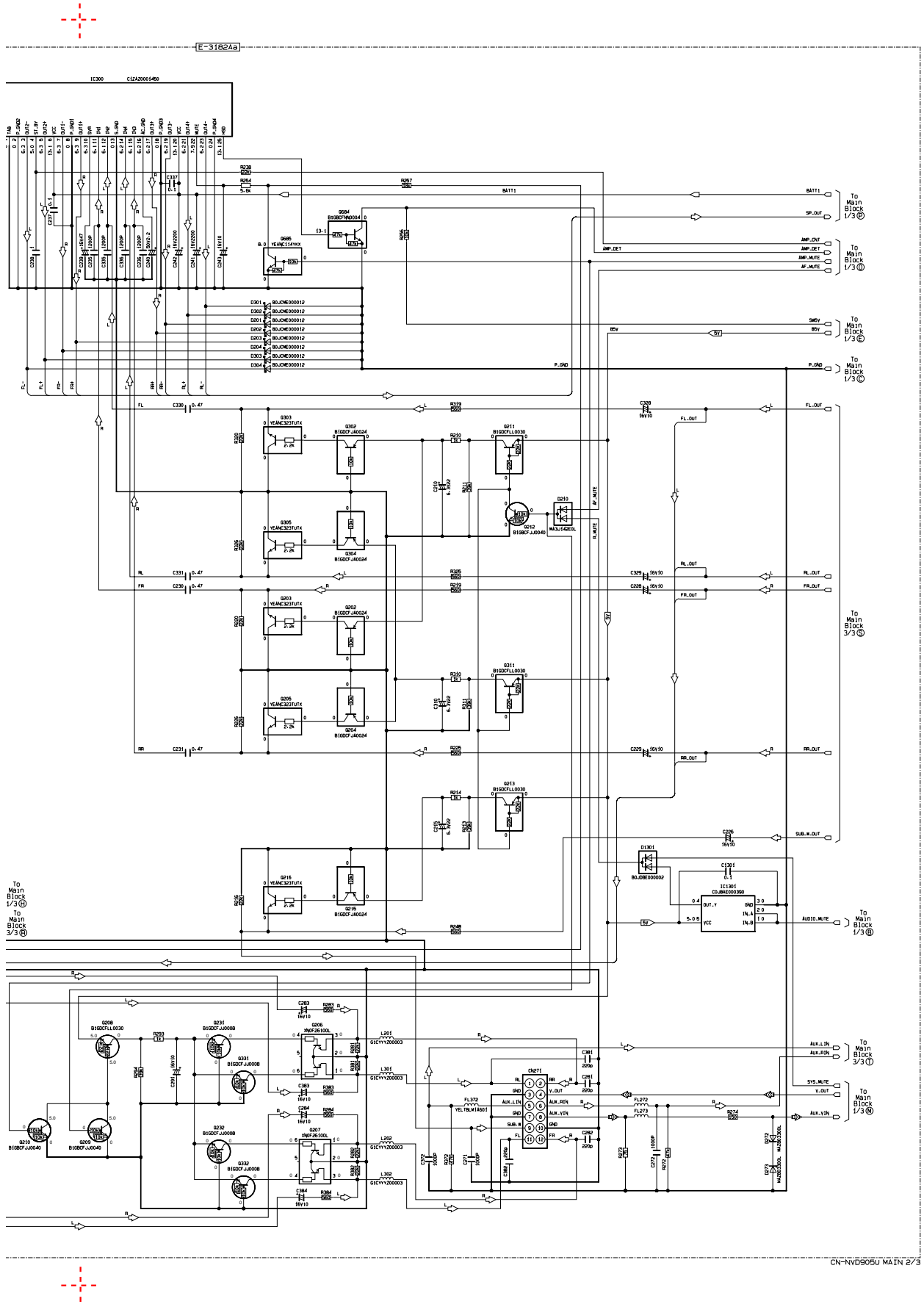


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# 12.3. Main Block-2 (Left Side)



# 12.4. Main Block-2 (Right Side)

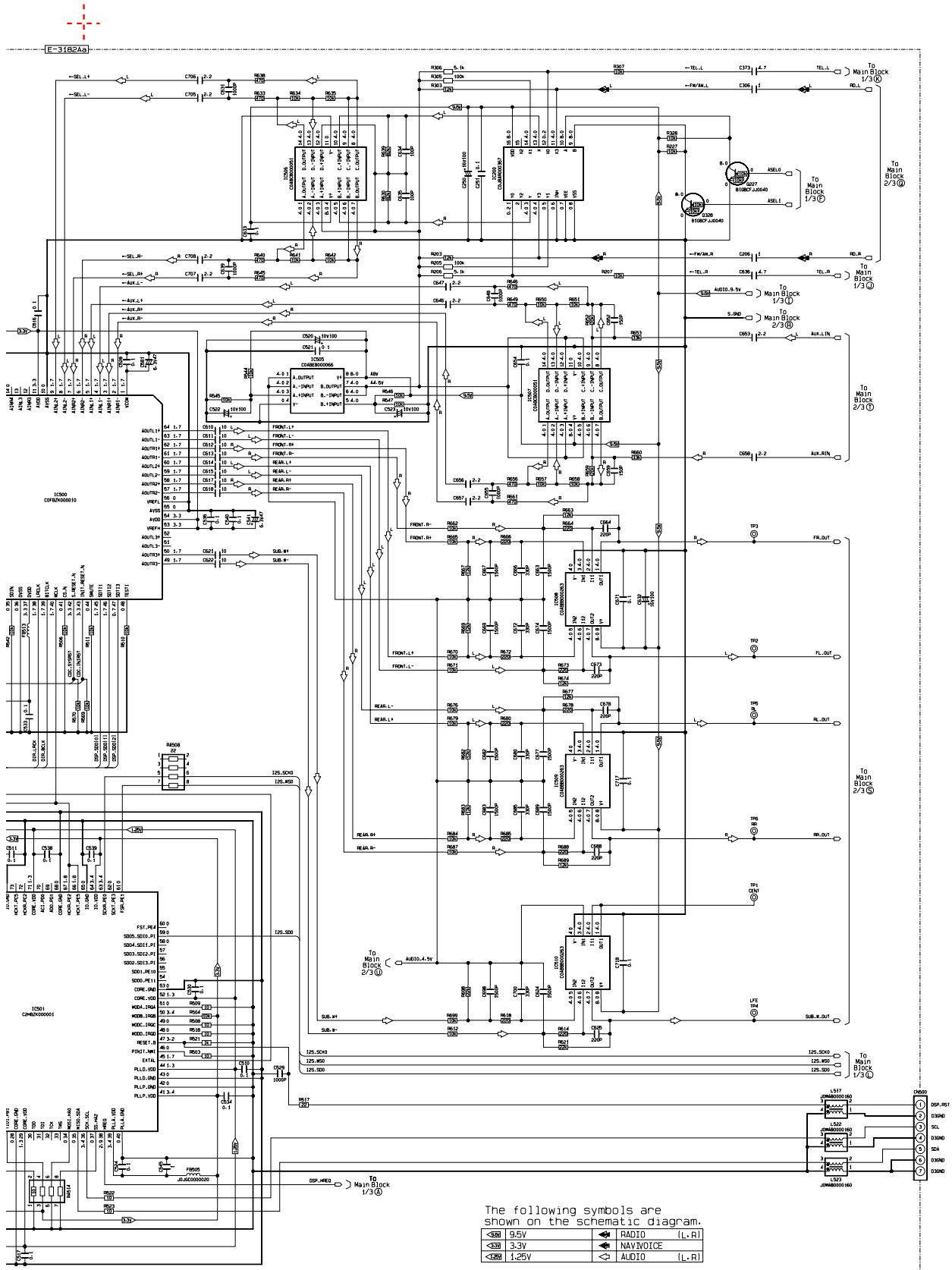


CN-NVD905U MAIN 2/3





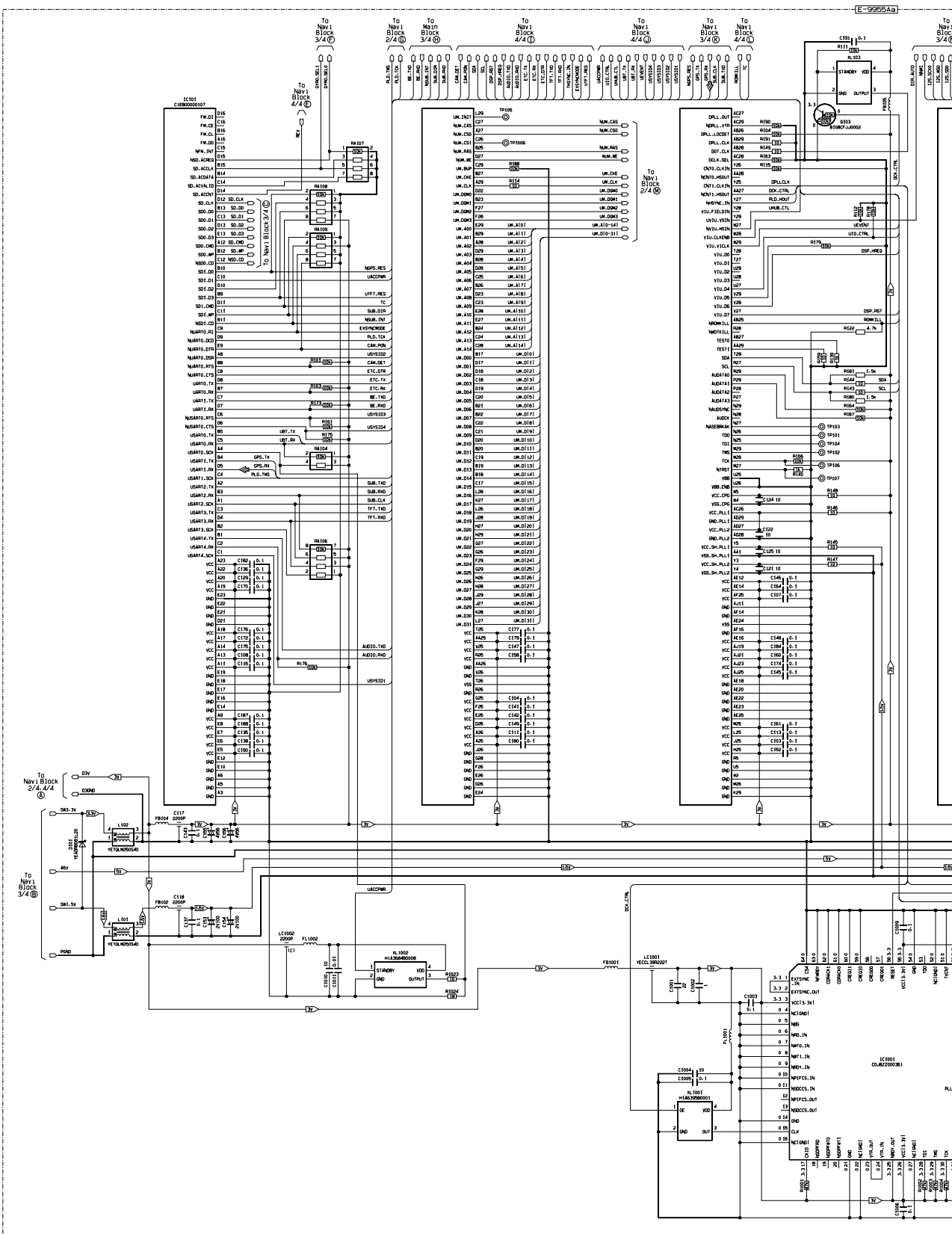
# 12.6. Main Block-3 (Right Side)



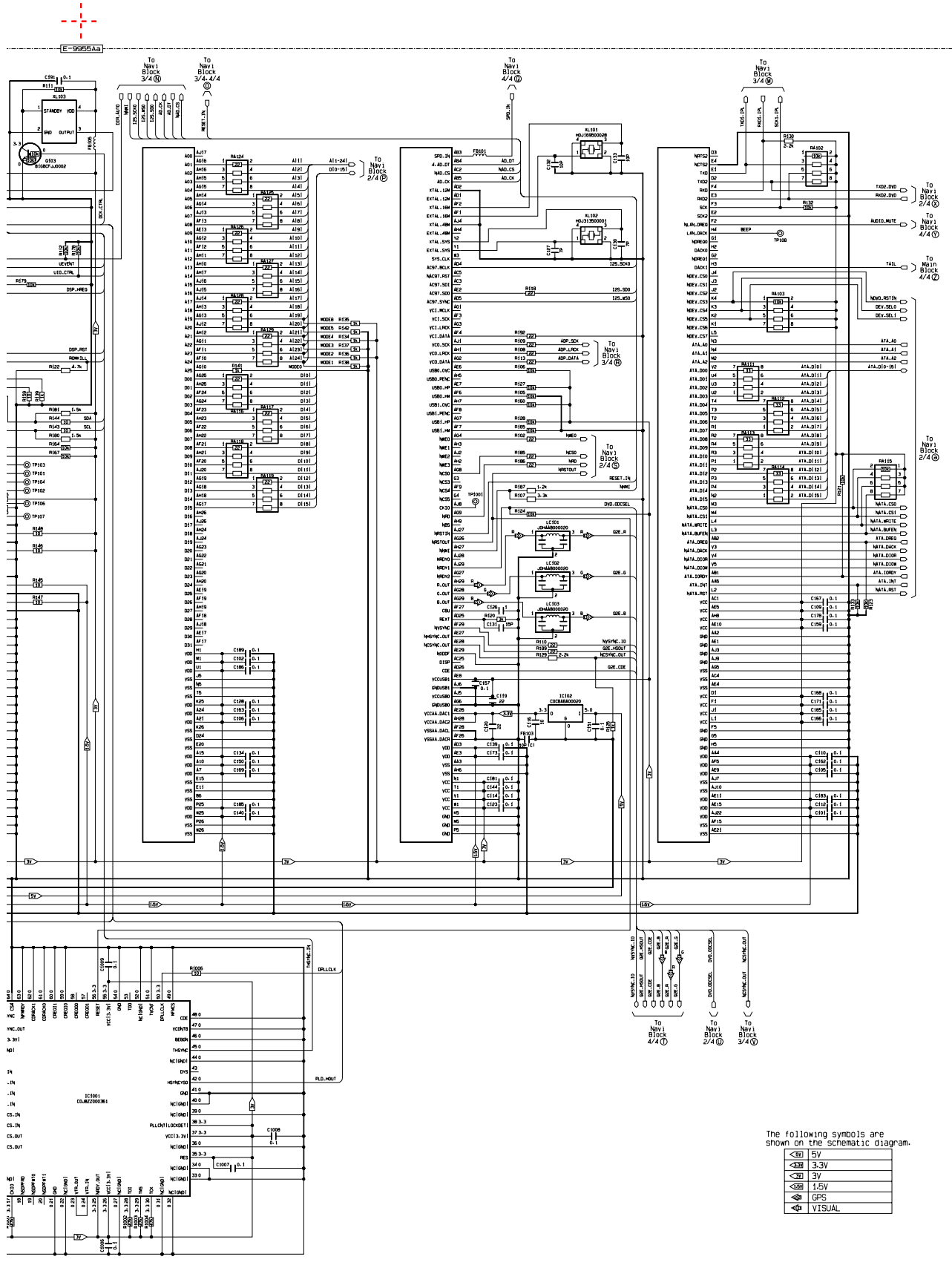
The following symbols are shown on the schematic diagram.

	9.5V		RADIO (L,R)
	3.3V		NAVVOICE
	1.25V		AUDIO (L,R)

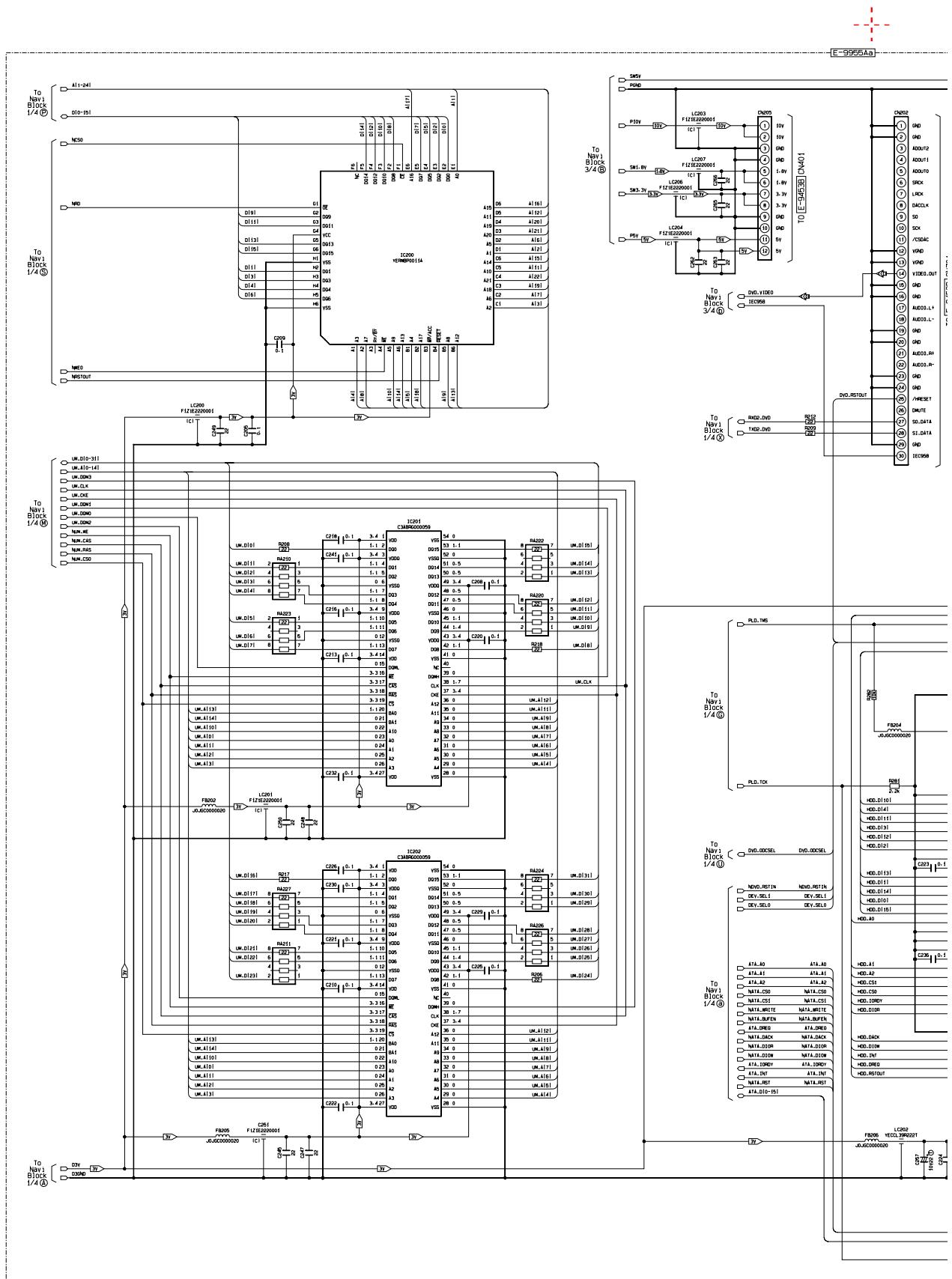
# 12.7. Navi Block-1 (Left Side)



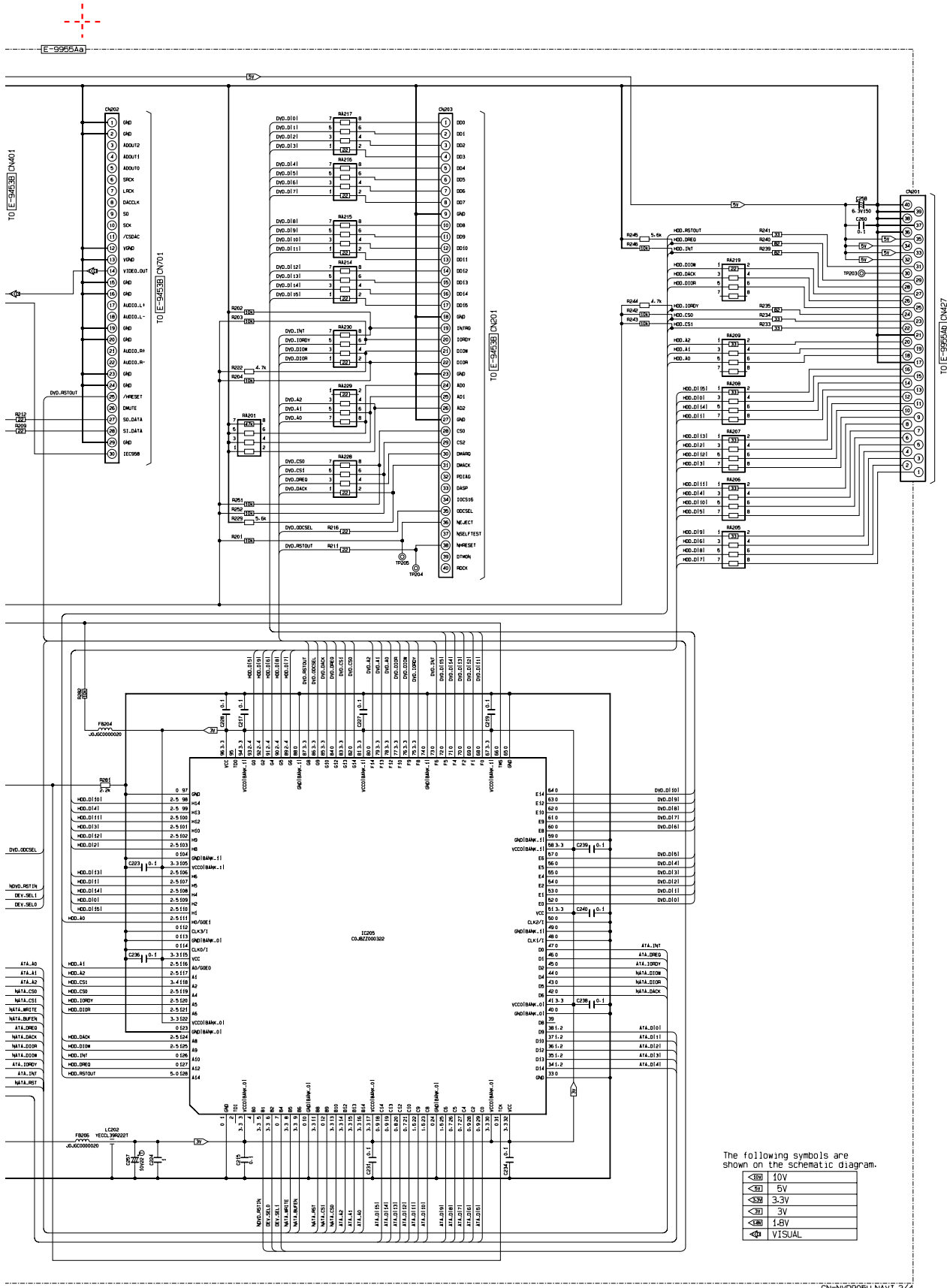
# 12.8. Navi Block-1 (Right Side)



# 12.9. Navi Block-2 (Left Side)



# 12.10. Navi Block-2 (Right Side)



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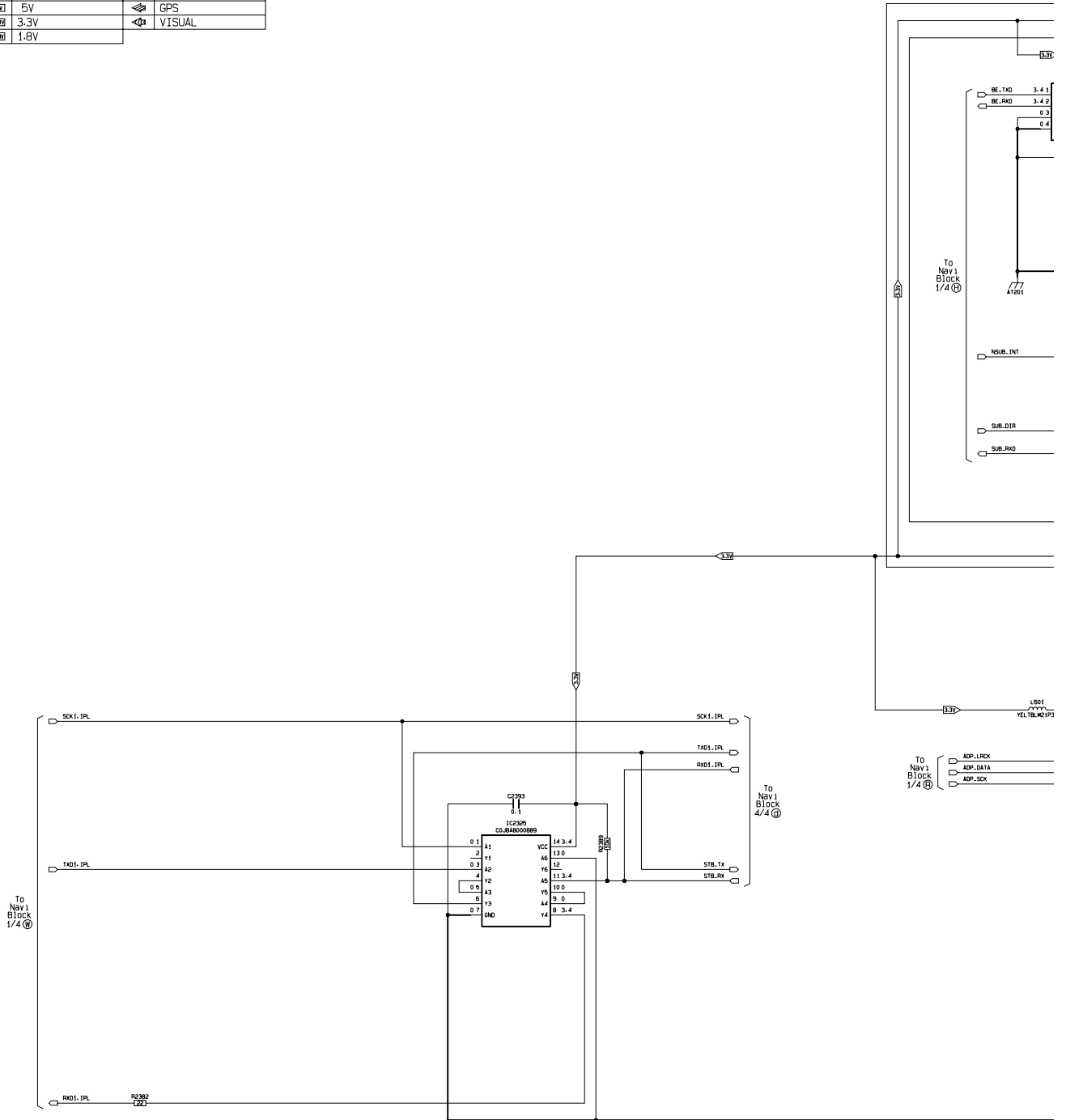
# 12.11. Navi Block-3 (Left Side)



E-9955Aa

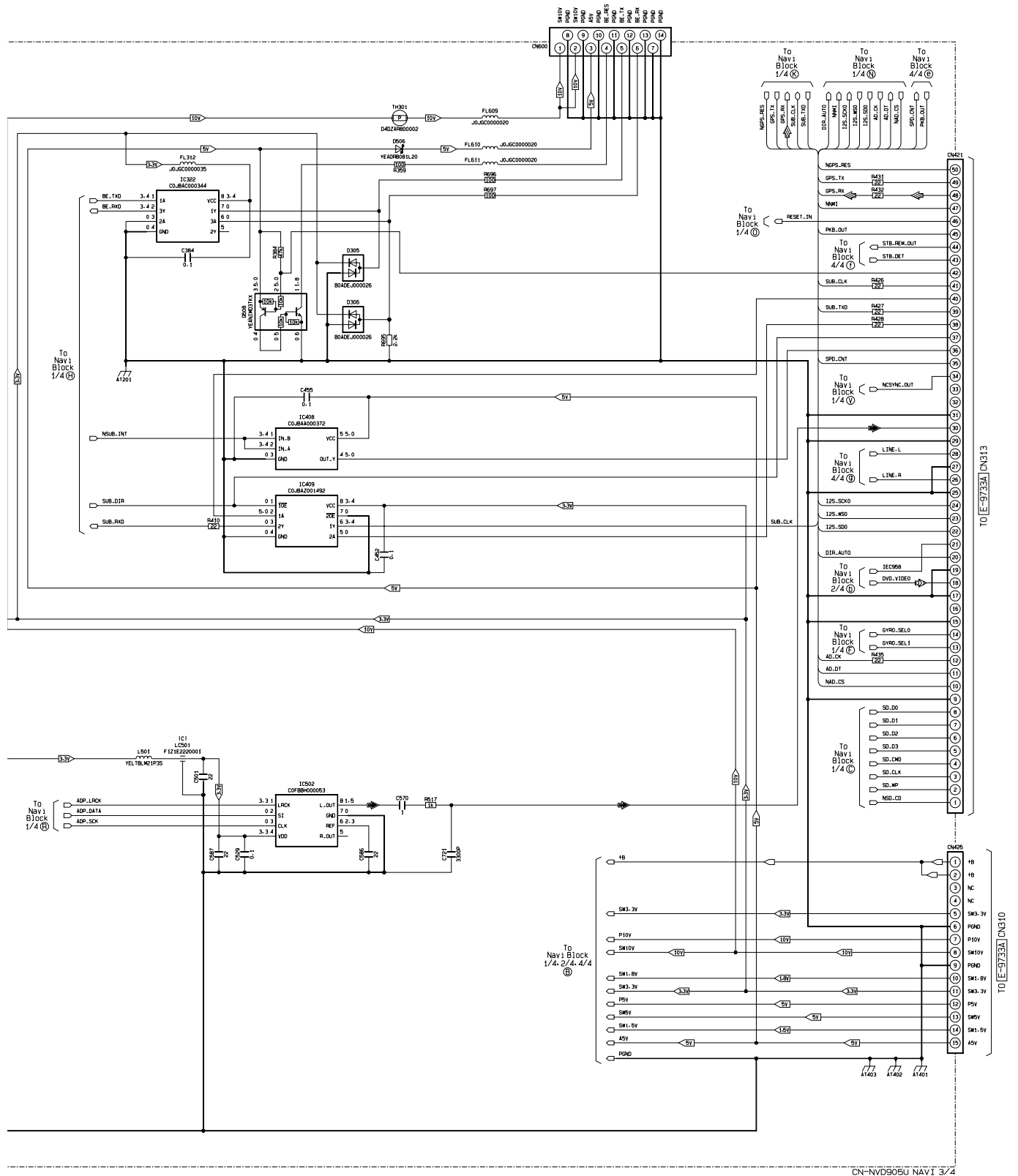
The following symbols are shown on the schematic diagram.

<img alt="Symbol for +B" data-bbox="115 171 135 181"/> +B	<img alt="Symbol for 1.5V" data-bbox="225 171 245 181"/> 1.5V
<img alt="Symbol for 10V" data-bbox="115 181 135 191"/> 10V	<img alt="Symbol for NAVI VOICE" data-bbox="225 181 245 191"/> NAVI VOICE
<img alt="Symbol for 5V" data-bbox="115 191 135 201"/> 5V	<img alt="Symbol for GPS" data-bbox="225 191 245 201"/> GPS
<img alt="Symbol for 3.3V" data-bbox="115 201 135 211"/> 3.3V	<img alt="Symbol for VISUAL" data-bbox="225 201 245 211"/> VISUAL
<img alt="Symbol for 1.8V" data-bbox="115 211 135 221"/> 1.8V	



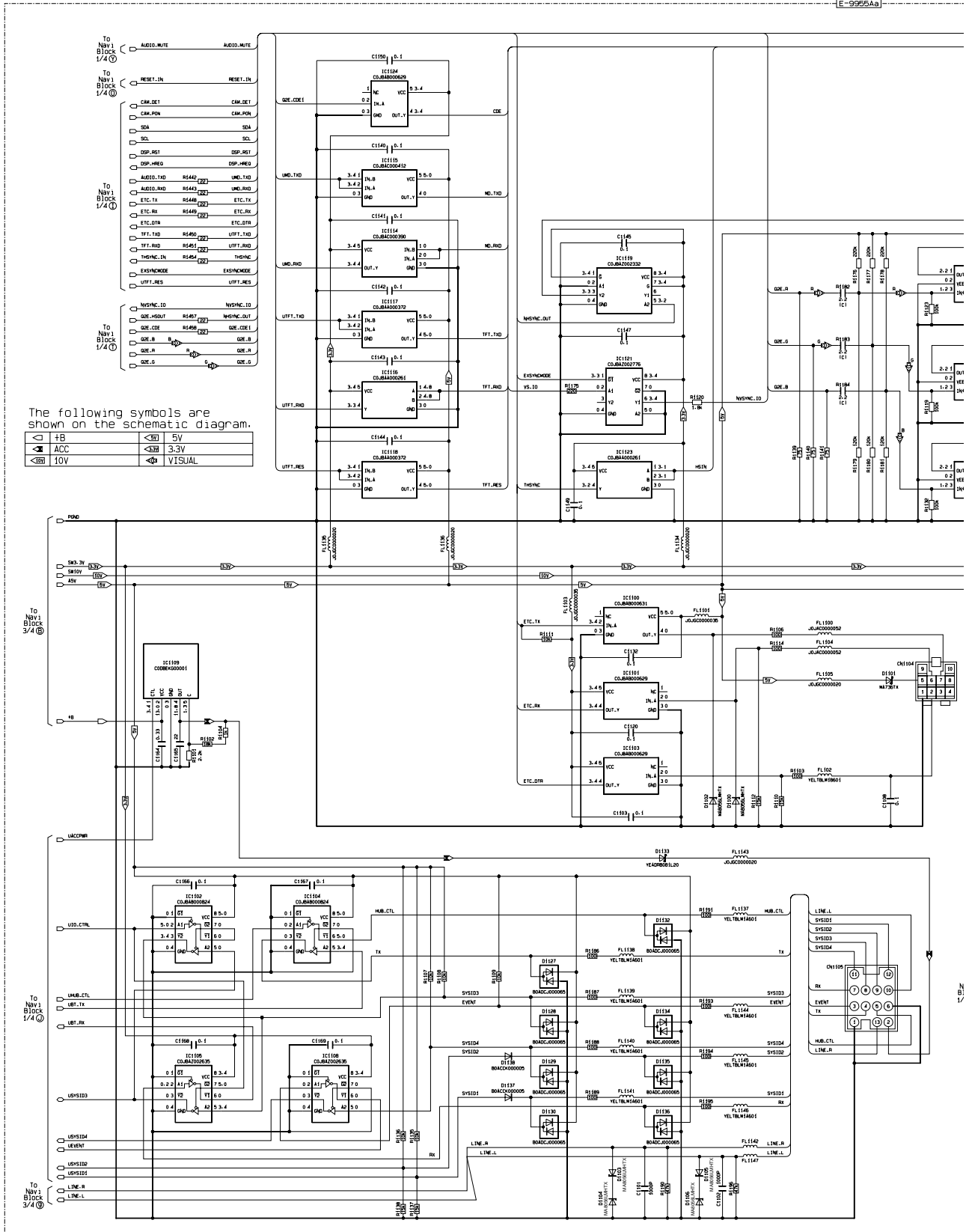


# 12.12. Navi Block-3 (Right Side)



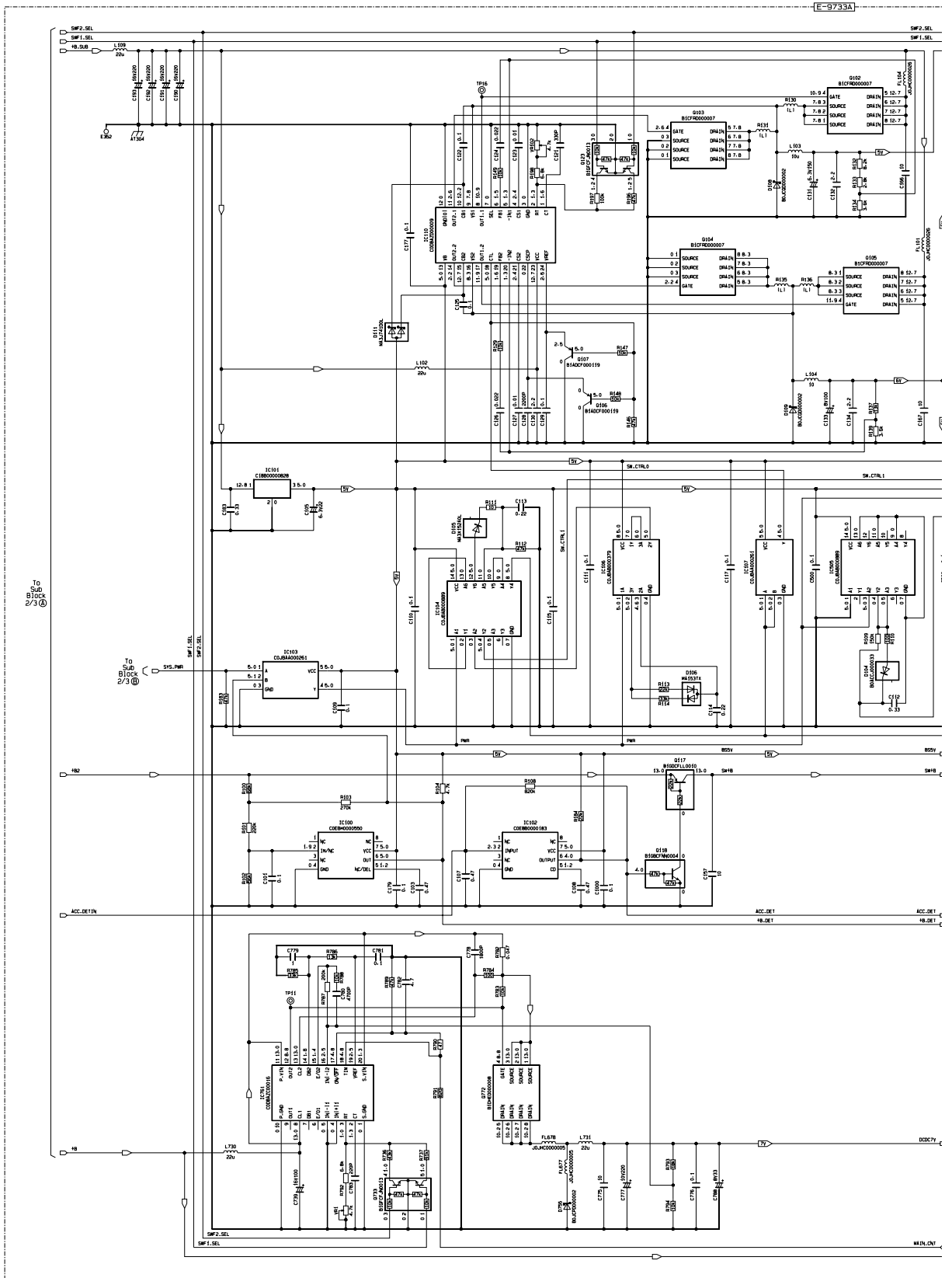
# 12.13. Navi Block-4 (Left Side)

E-956RAa

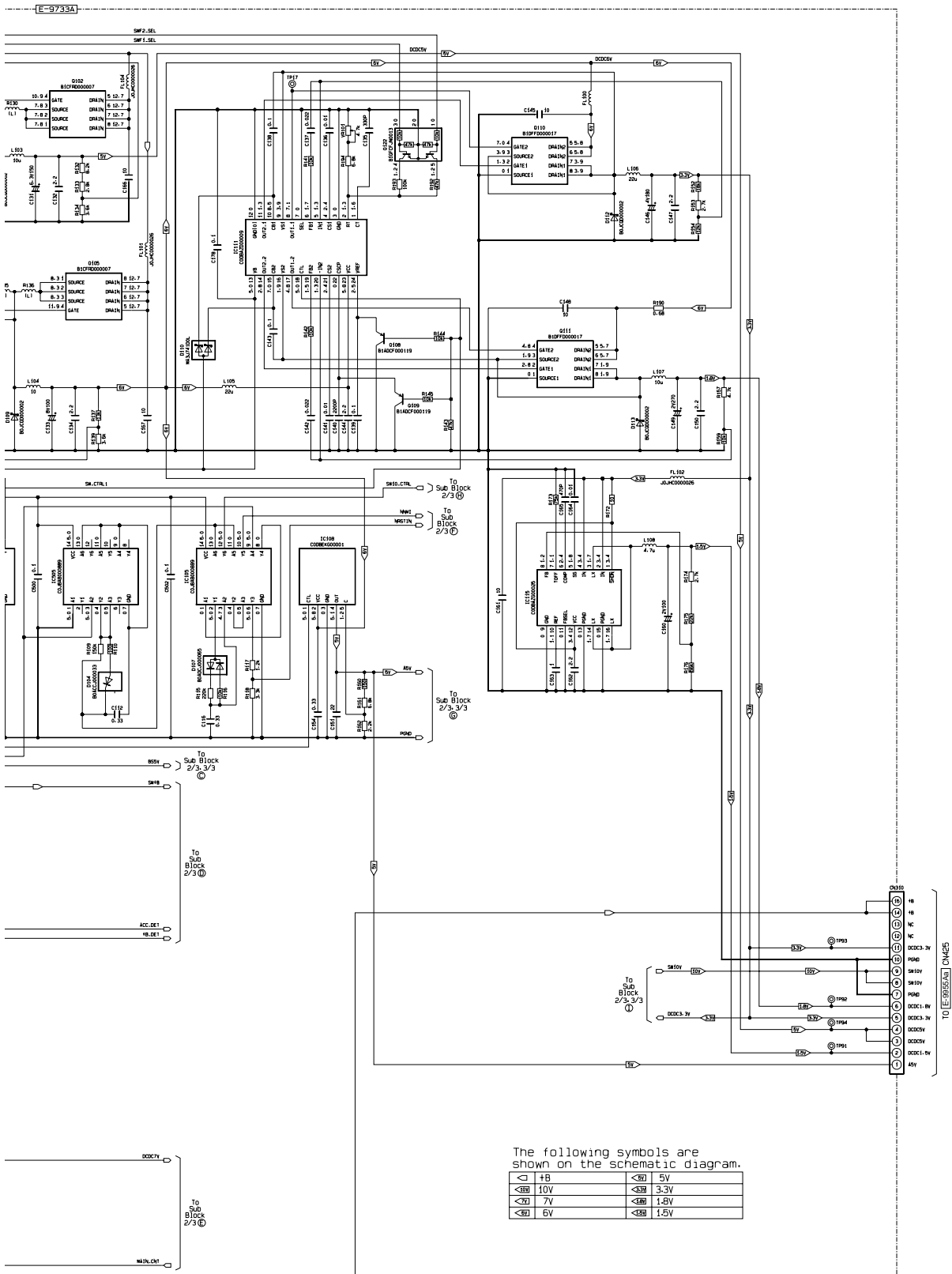




# 12.15. Sub Block-1 (Left Side)



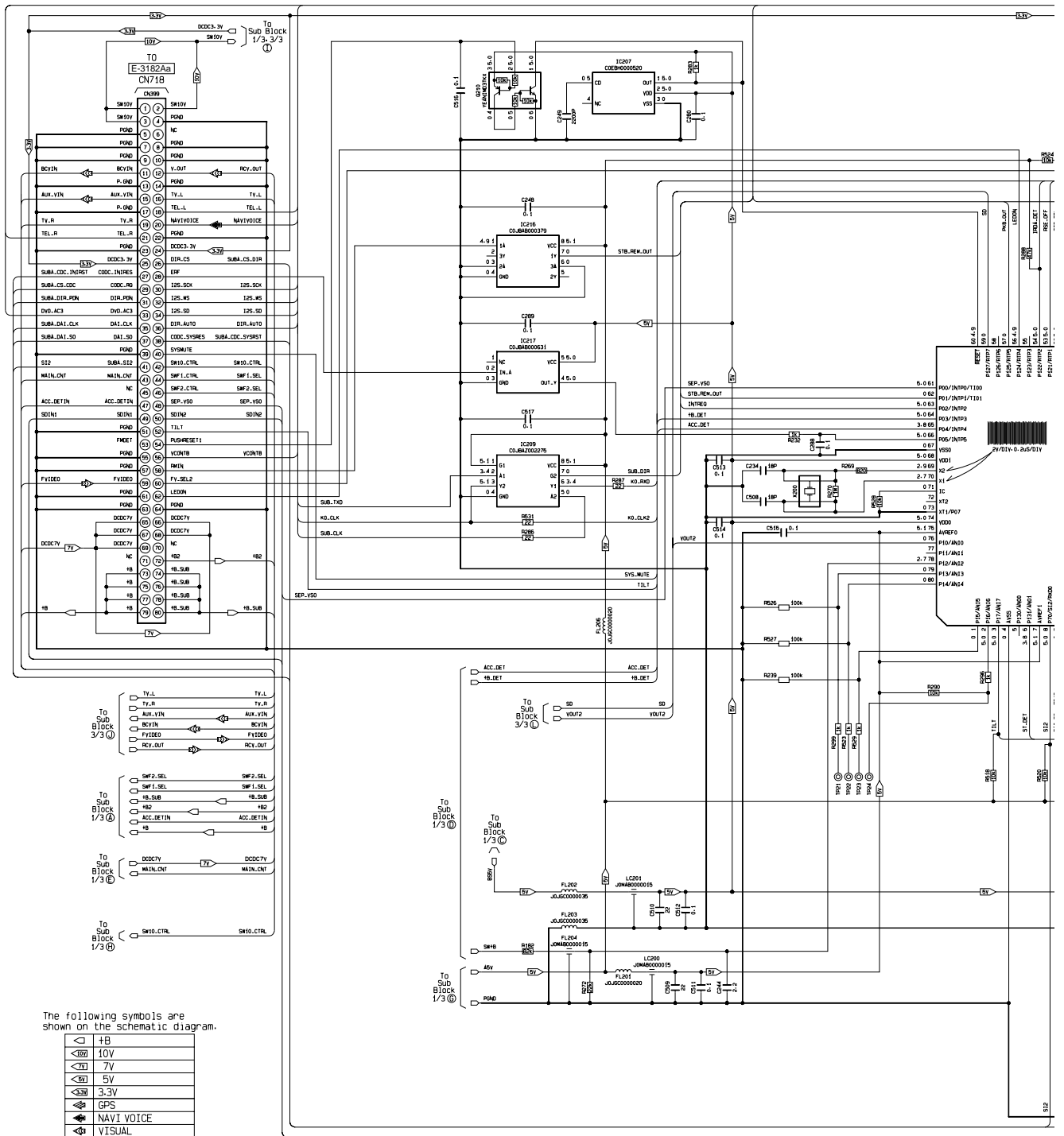
# 12.16. Sub Block-1 (Right Side)



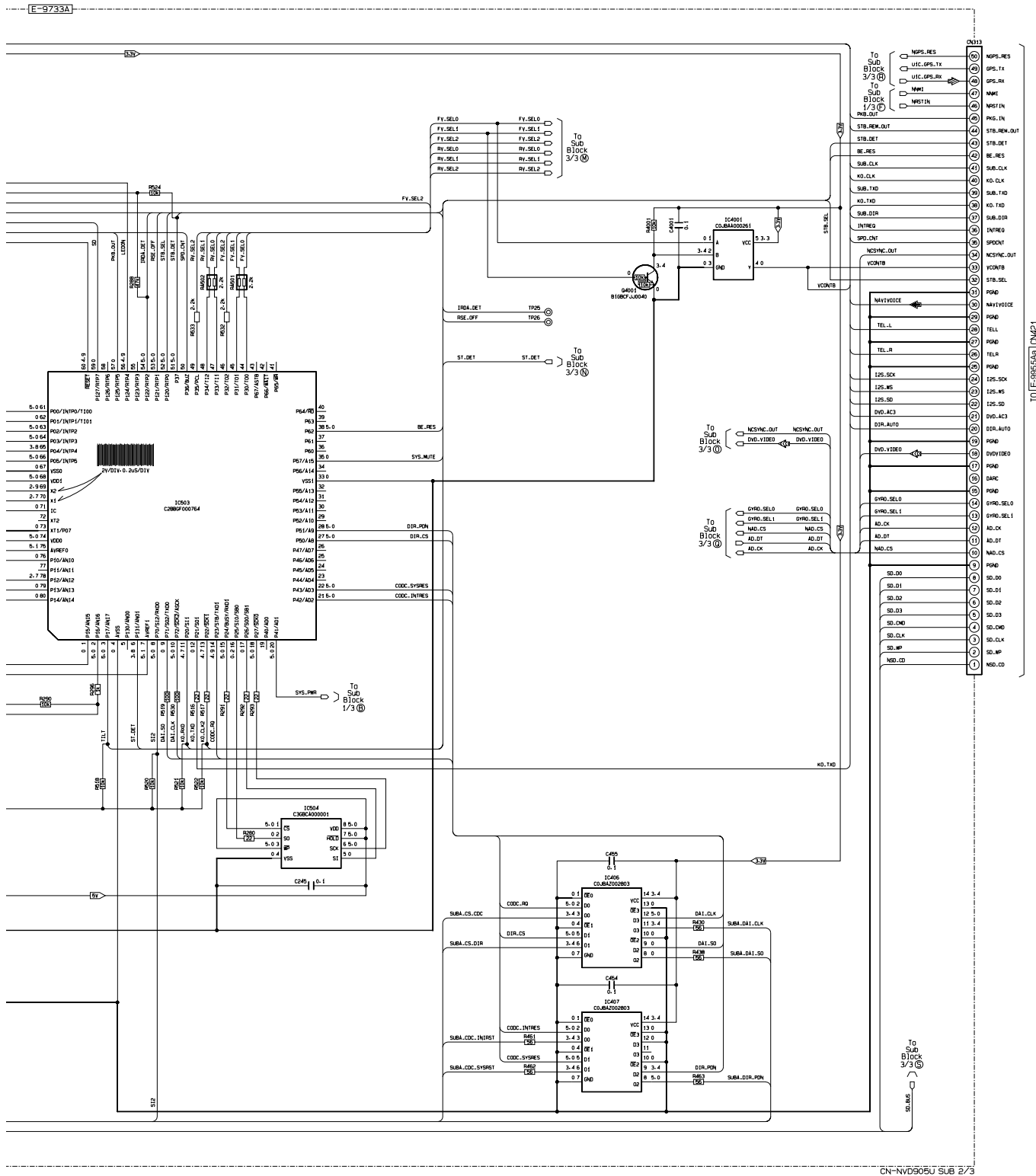
The following symbols are shown on the schematic diagram.


# 12.17. Sub Block-2 (Left Side)

E-9733A



# 12.18. Sub Block-2 (Right Side)

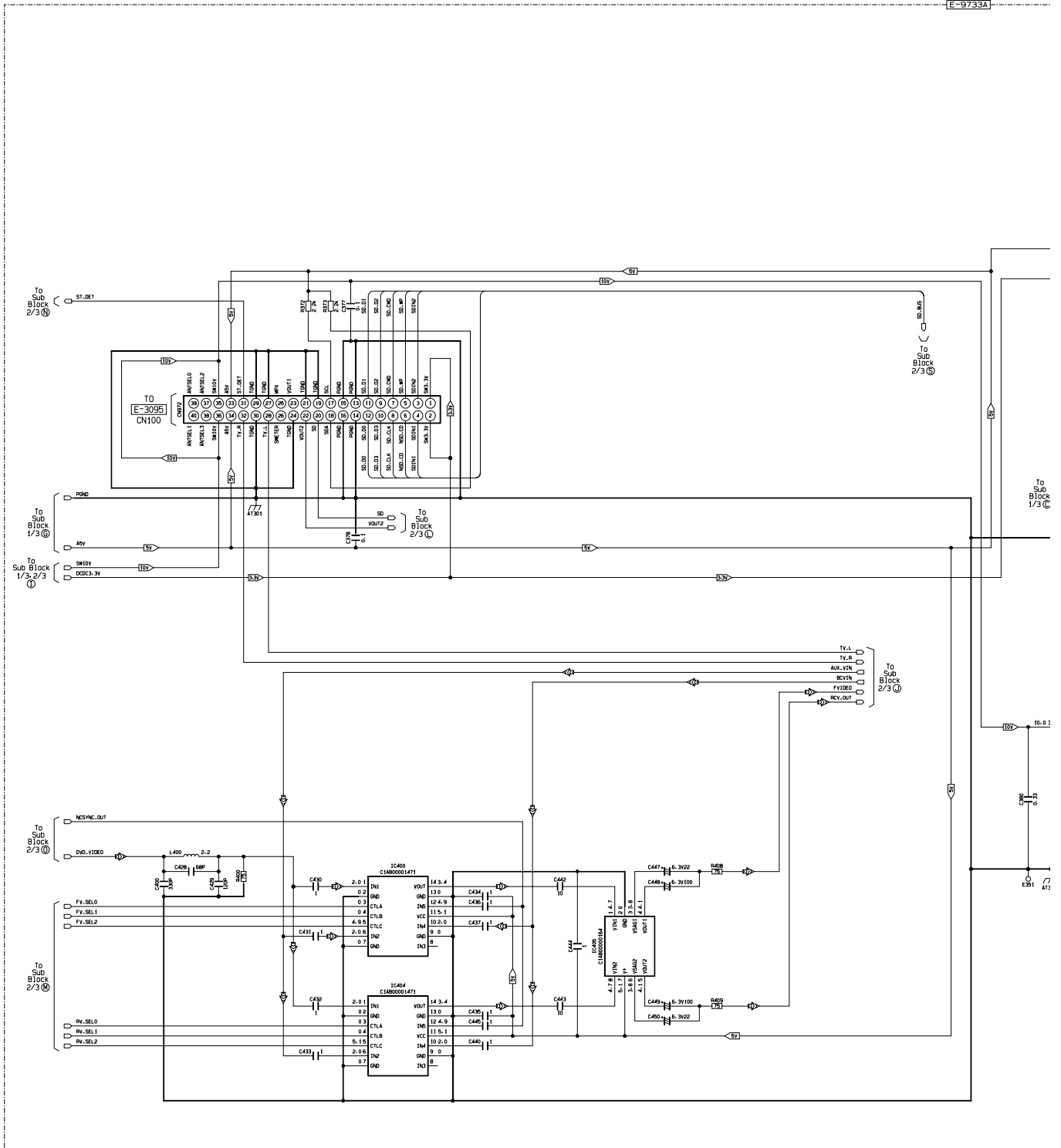




# 12.19. Sub Block-3 (Left Side)



E-9733A



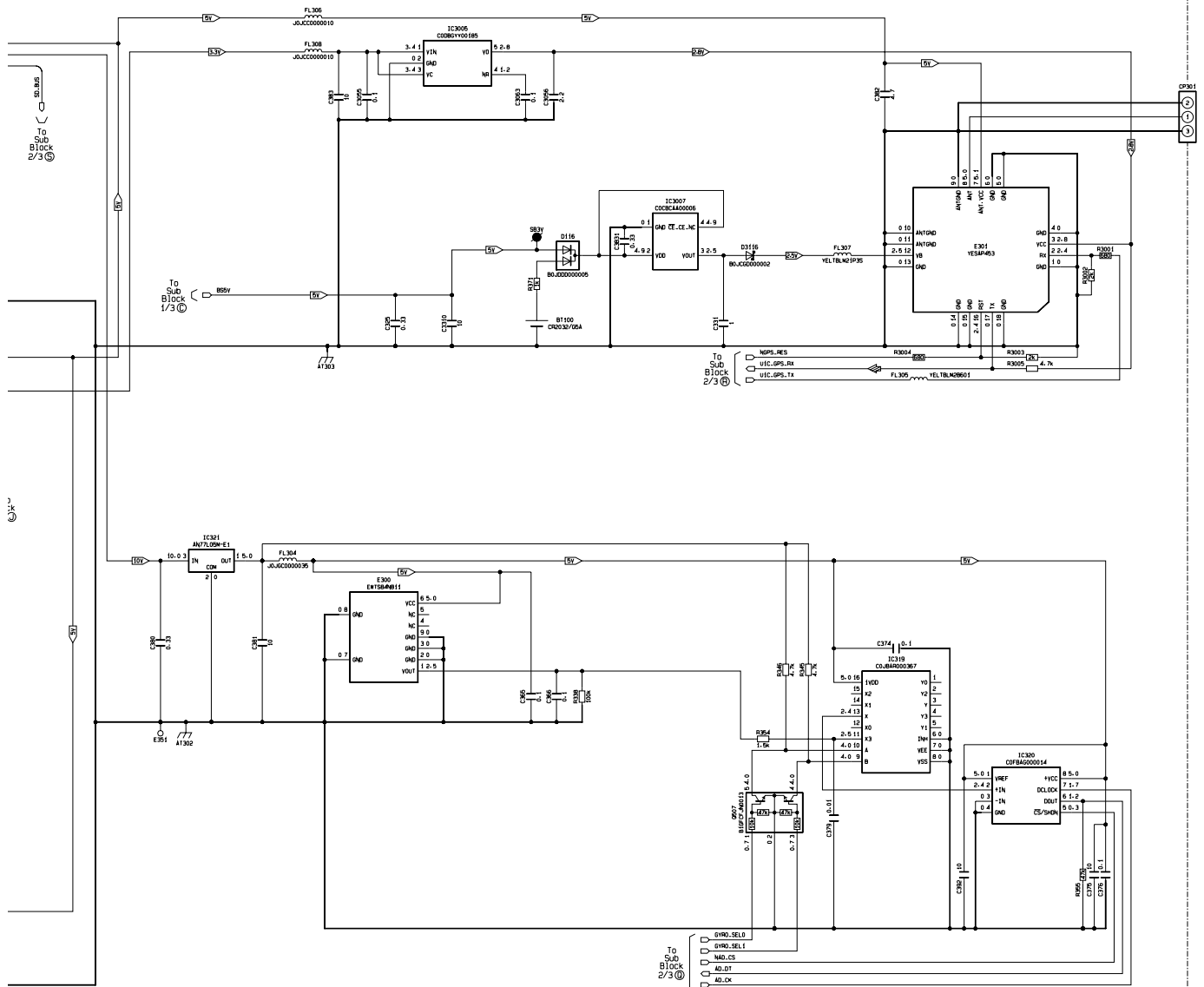
# 12.20. Sub Block-3 (Right Side)



E-9733A

The following symbols are shown on the schematic diagram.

<10V	10V	<2.5V	2.5V
<5V	5V	<GPS	GPS
<3.3V	3.3V	<VISUAL	VISUAL
<2.8V	2.8V		

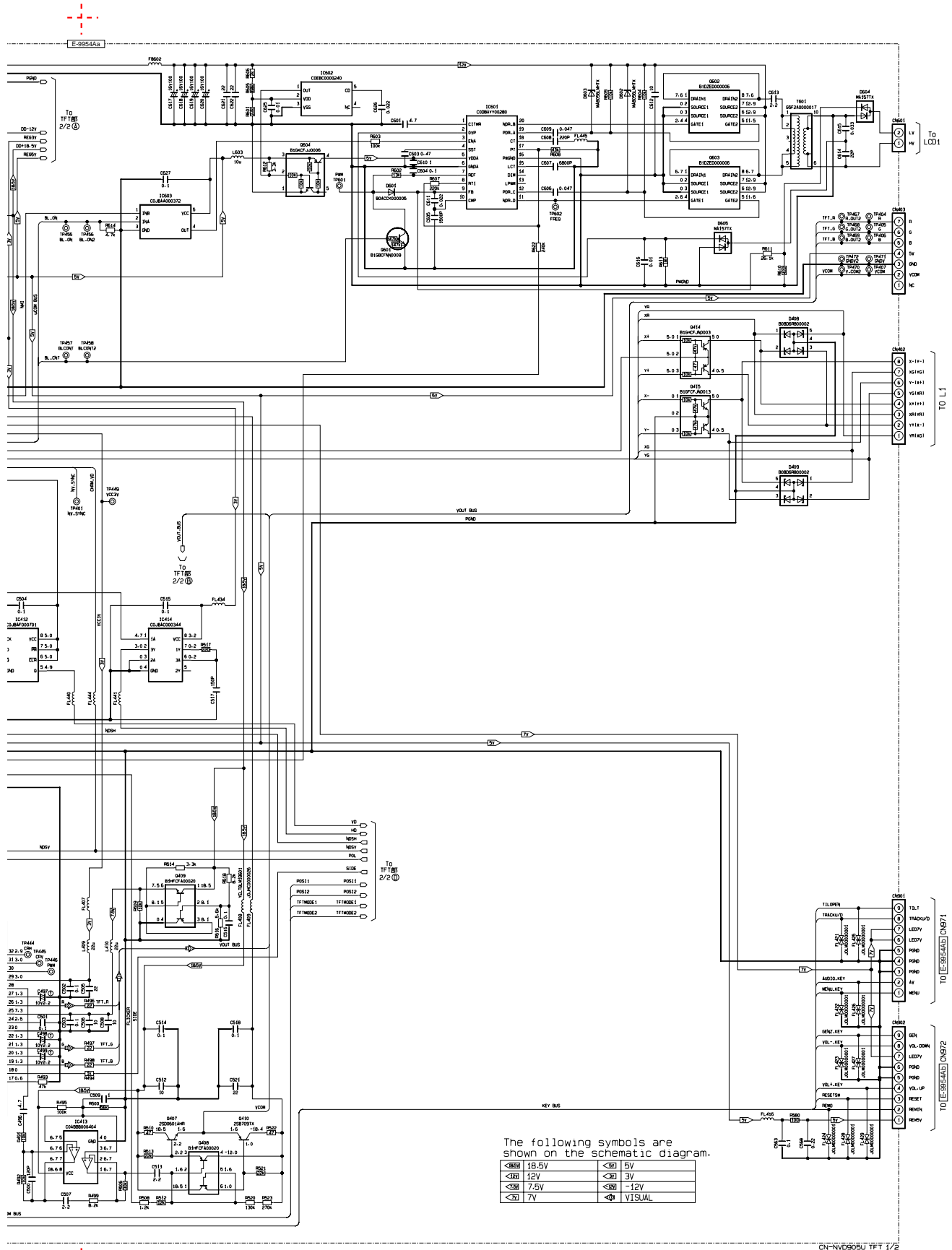


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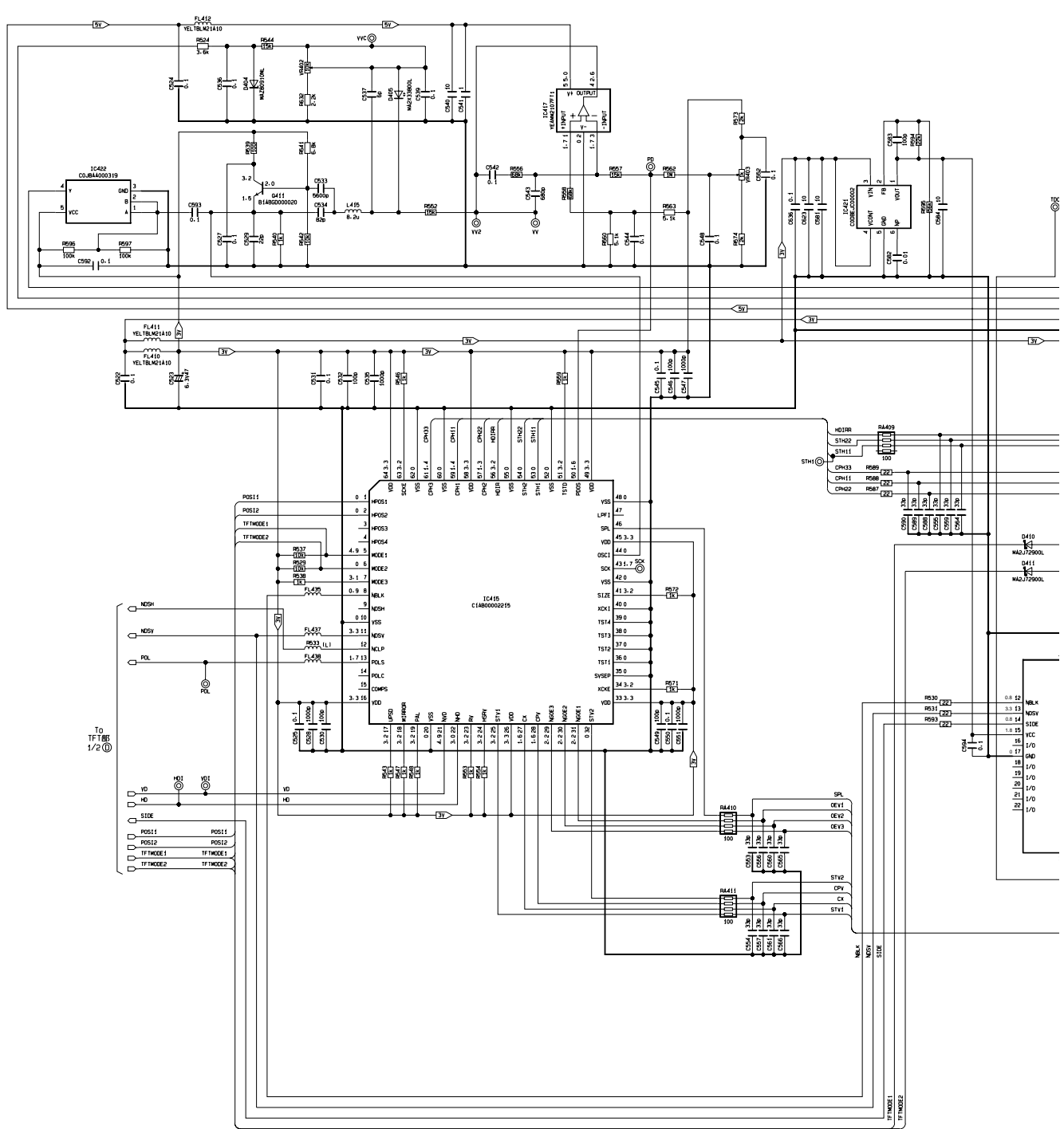


# 12.22. TFT Block-1 (Right Side)

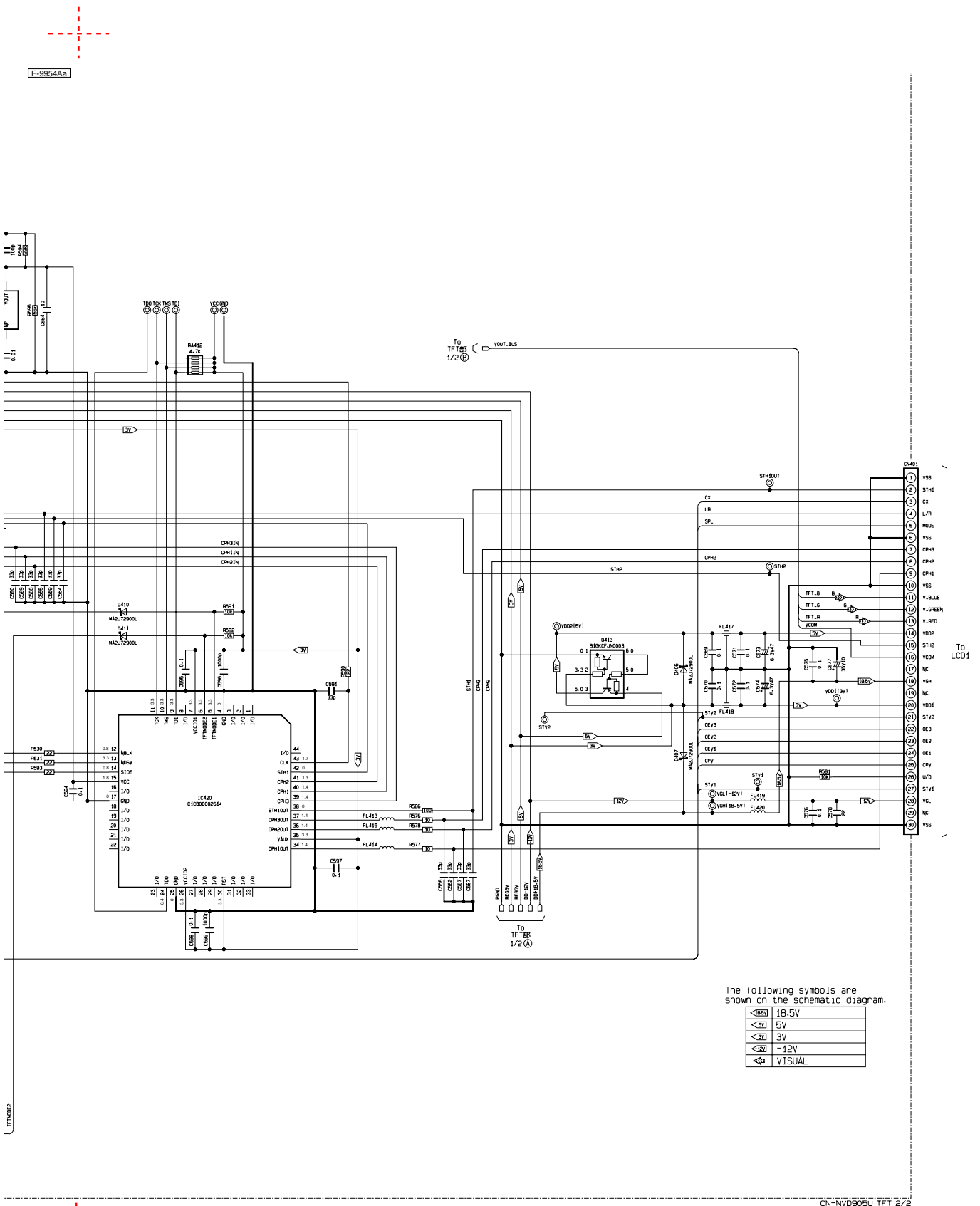


# 12.23. TFT Block-2 (Left Side)

E-9954Aa



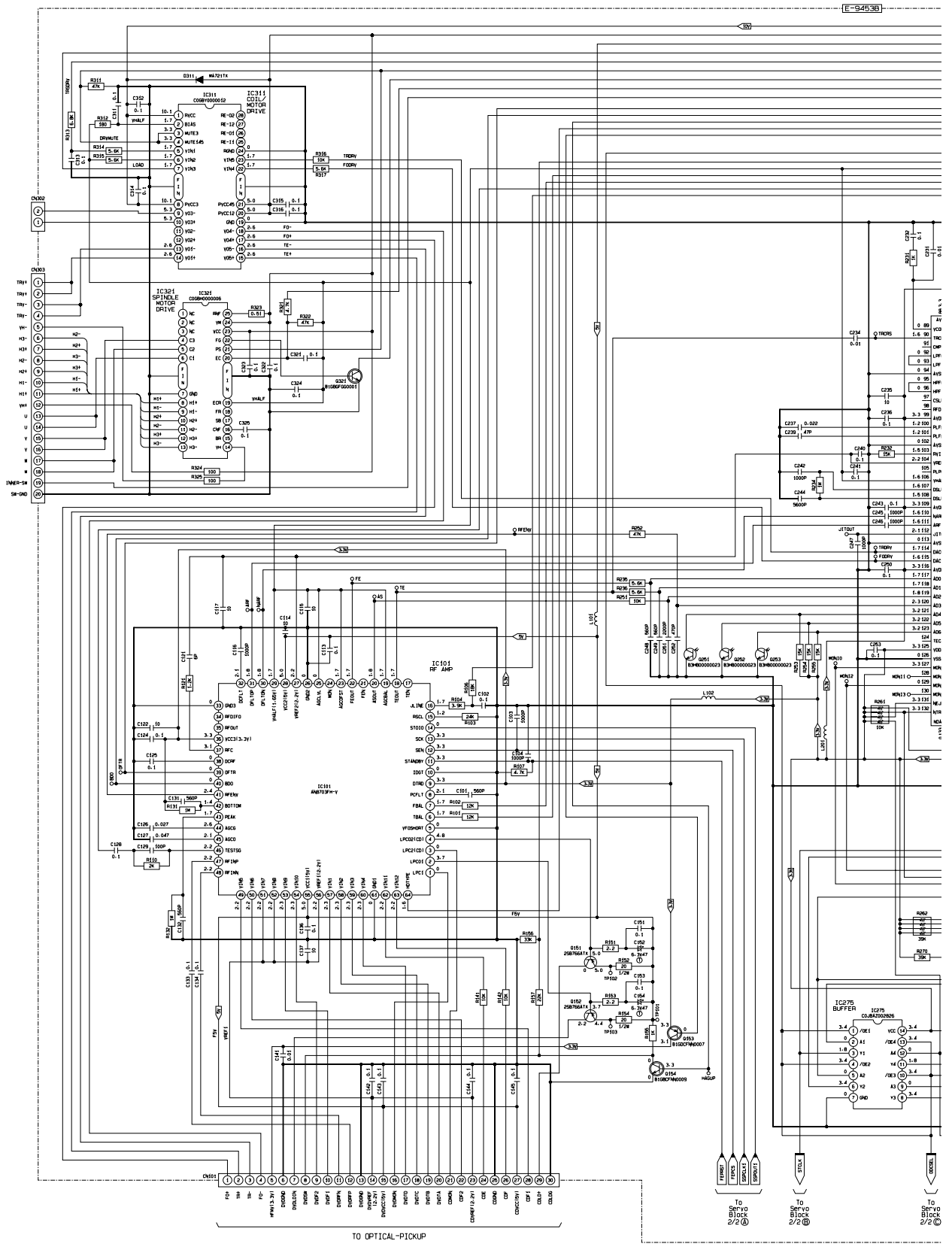
# 12.24. TFT Block-2 (Right Side)



The following symbols are shown on the schematic diagram.

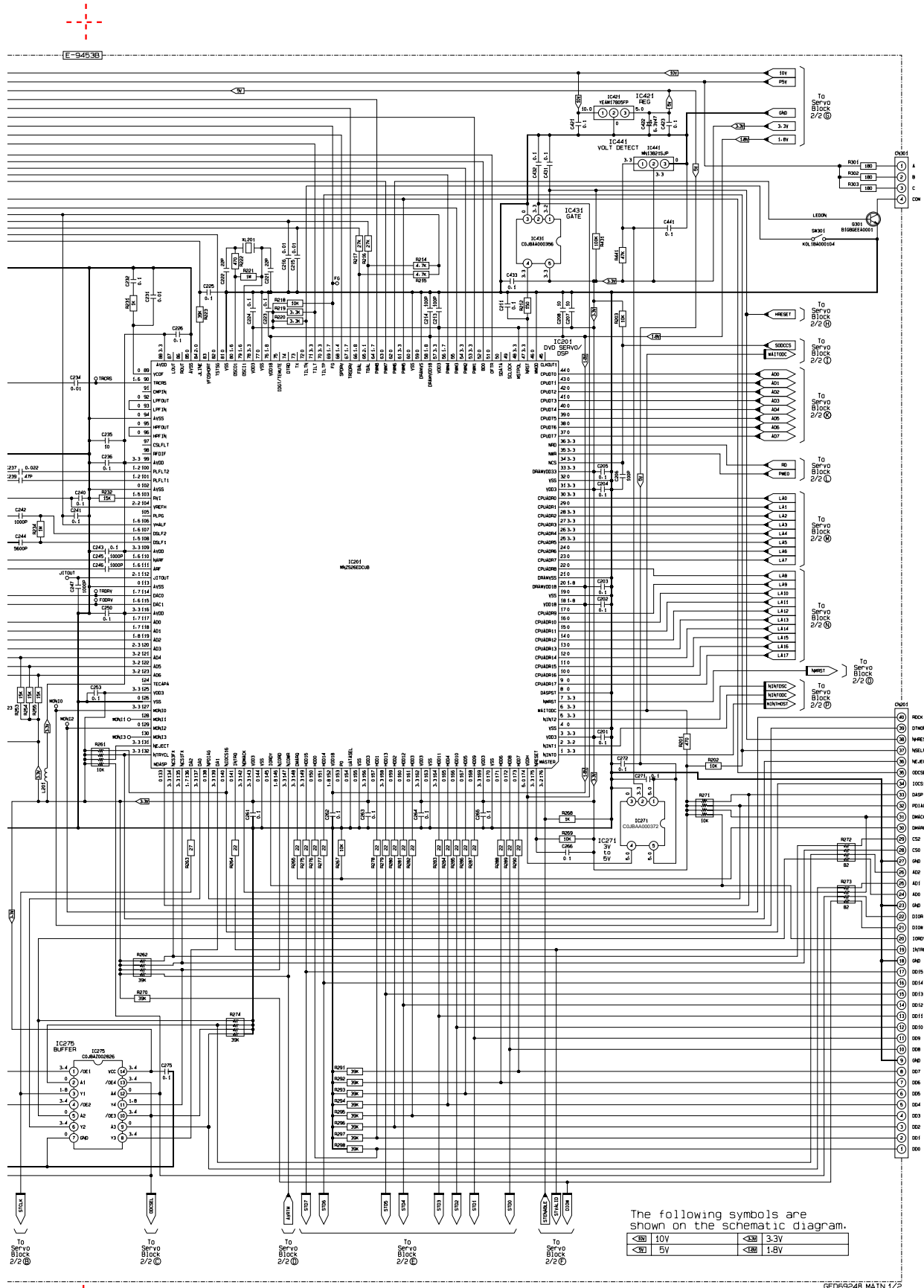
<img alt="Symbol 1" data-bbox="738 711 765 721"/>	18.5V
<img alt="Symbol 2" data-bbox="738 724 765 734"/>	5V
<img alt="Symbol 3" data-bbox="738 737 765 747"/>	3V
<img alt="Symbol 4" data-bbox="738 750 765 760"/>	-12V
<img alt="Symbol 5" data-bbox="738 763 765 773"/>	VISUAL

# 12.25. DVD Servo Block-1 (Left Side)





# 12.26. DVD Servo Block-1 (Right Side)



# 12.27. DVD Servo Block-2 (Left Side)

