SAMSUNG

8mm CAMCORDER

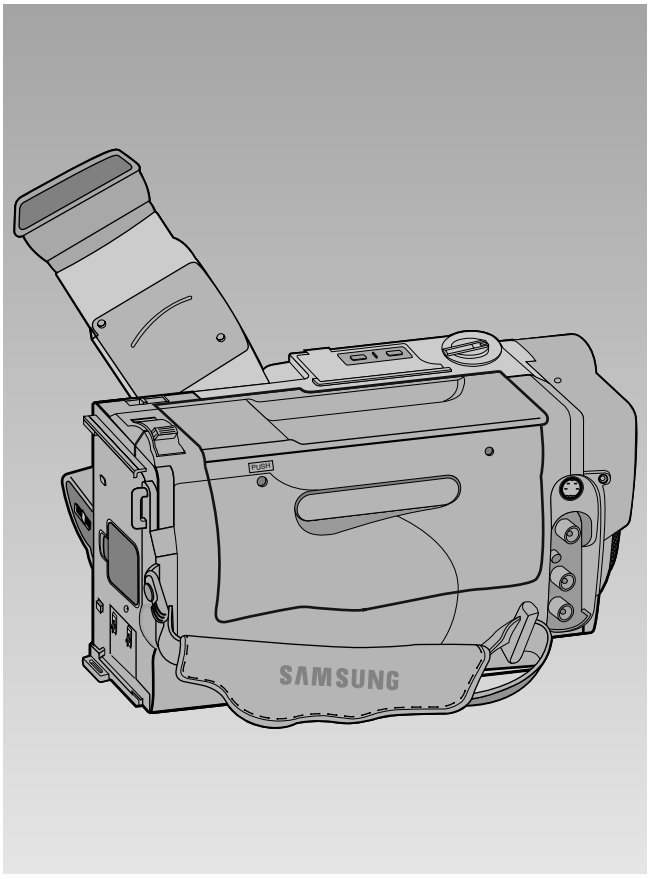
VP-A50/VP-A52
VP-A55/VP-A57

Hi8

SERVICE Manual

For mechanical disassembly and adjustment, refer to the "Mechanical Manual" (DE-6 ⟶ AD68-30200A).

8mm CAMCORDER



CONTENTS

AD68-20275A

1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including : control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1) :
   Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

6. X-ray Limits :
   The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

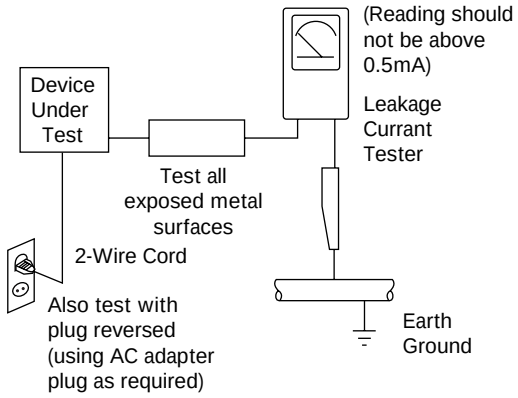


Fig. 1 AC Leakage Test

7. Antenna Cold Check :
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong.
   Connect the other lead to the coaxial connector.

8. High Voltage Limit :
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

   Heed the high voltage limits. These include the *X-ray protection Specifications Label*, and the *Product Safety and X-ray Warning Note* on the service data schematic.

9. Some semiconductor ("solid state") devices are easily damaged by static electricity.
   Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

10. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

12. Design Alteration Warning :
    Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

13. Hot Chassis Warning :
    Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, *regardless of the AC plug polarity*. These units can be safely serviced *only* if an isolation transformer inserted between the receiver and the power source.

15. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

16. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.

17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

18. Picture Tube Implosion Warning :
    The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

20. Product Safety Notice :
    Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

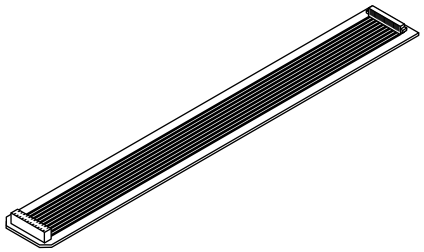
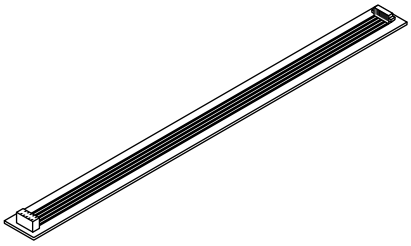
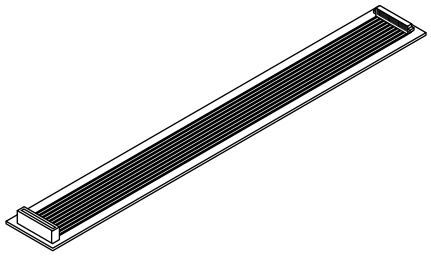
    Components that are critical for safety are indicated in the circuit diagram by shading, ( or ).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

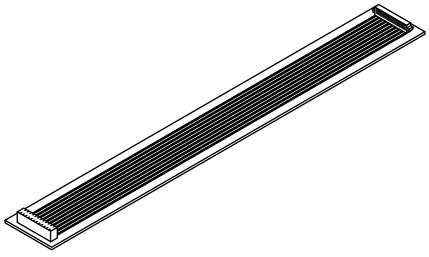
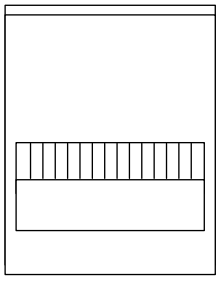
2. Reference Information

2-1 Servicing Jigs and Special Tools

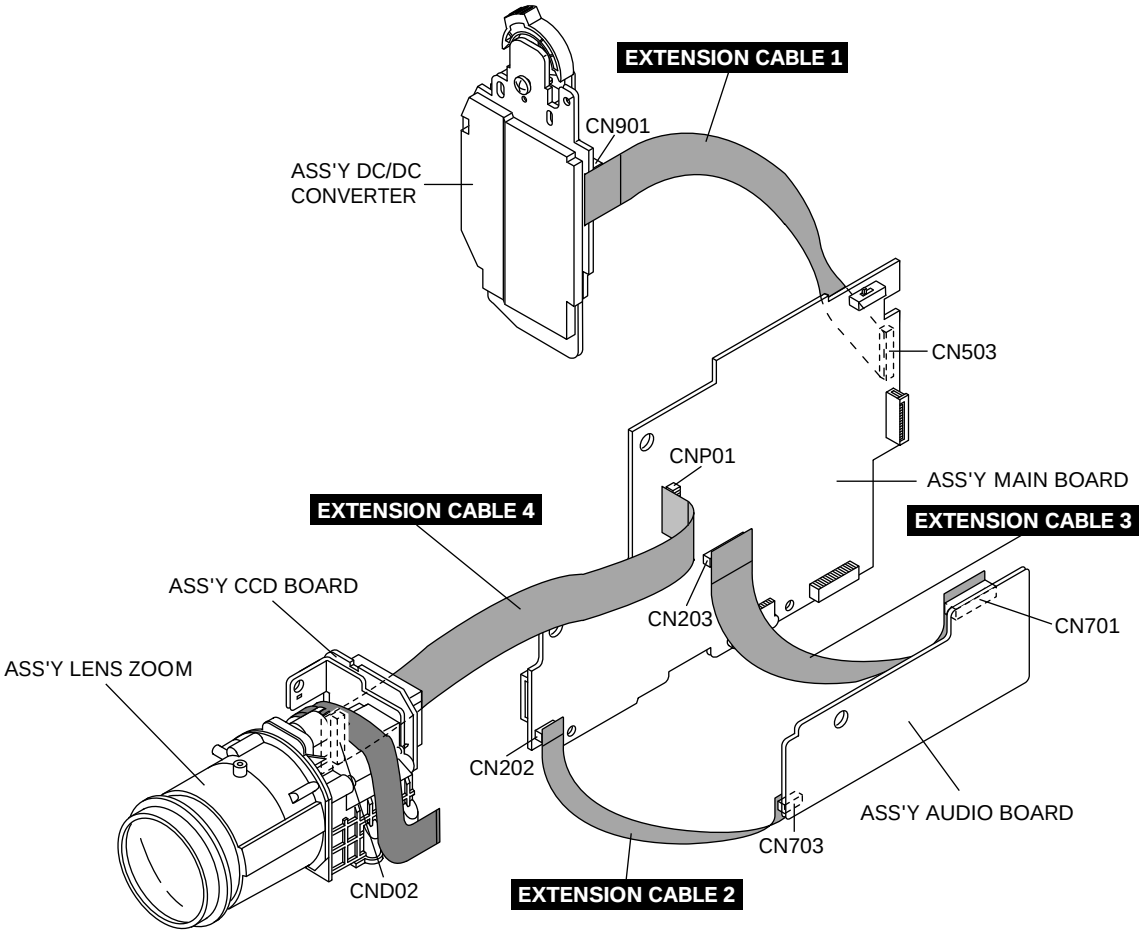
2-1-1 Servicing Jigs

Part No.	Jig Item	Specification	Description				Remarks
			Main board	CCD board	DC/DC Converter board	Audio board	
68140-500-033	Extension Cable 1	Pin 44	CN503 ◄	———	► CN901		Troubleshooting
68140-500-034	Extension Cable 2	Pin 18	CN202 ◄	———	———	► CN703	Troubleshooting
68140-500-035	Extension Cable 3	Pin 40	CN203 ◄	———	———	► CN701	Troubleshooting
68140-500-038	Extension Cable 4	Pin 40	CNP01 ◄	► CND02			Troubleshooting
68140-500-036	TP Board	-	Use for adjustment of VCR section. (Connect TP Board to connector CTP01 of Main Board)				For VCR section adjustment

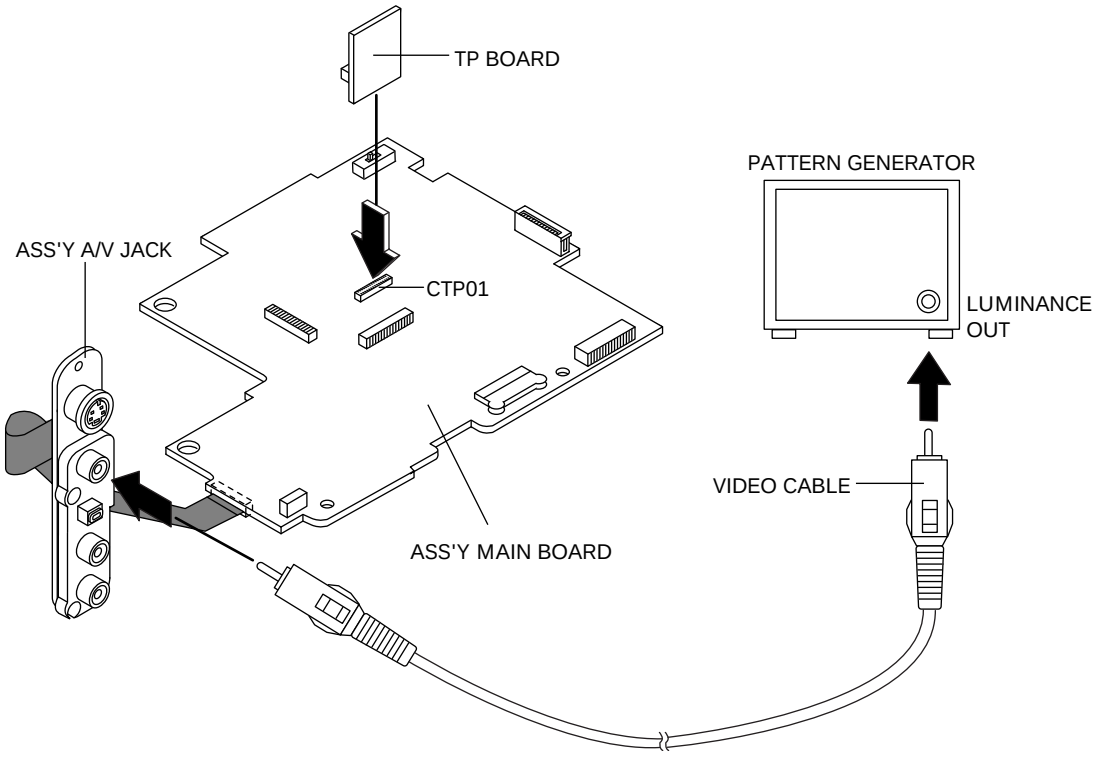
68140-500-033	**68140-500-034**	**68140-500-035**
Extension Cable 1 	Extension Cable 2 	Extension Cable 3 

68140-500-038	**68140-500-036**
Extension Cable 4 	TP Board 

2-4-2 Extension Cable Connections

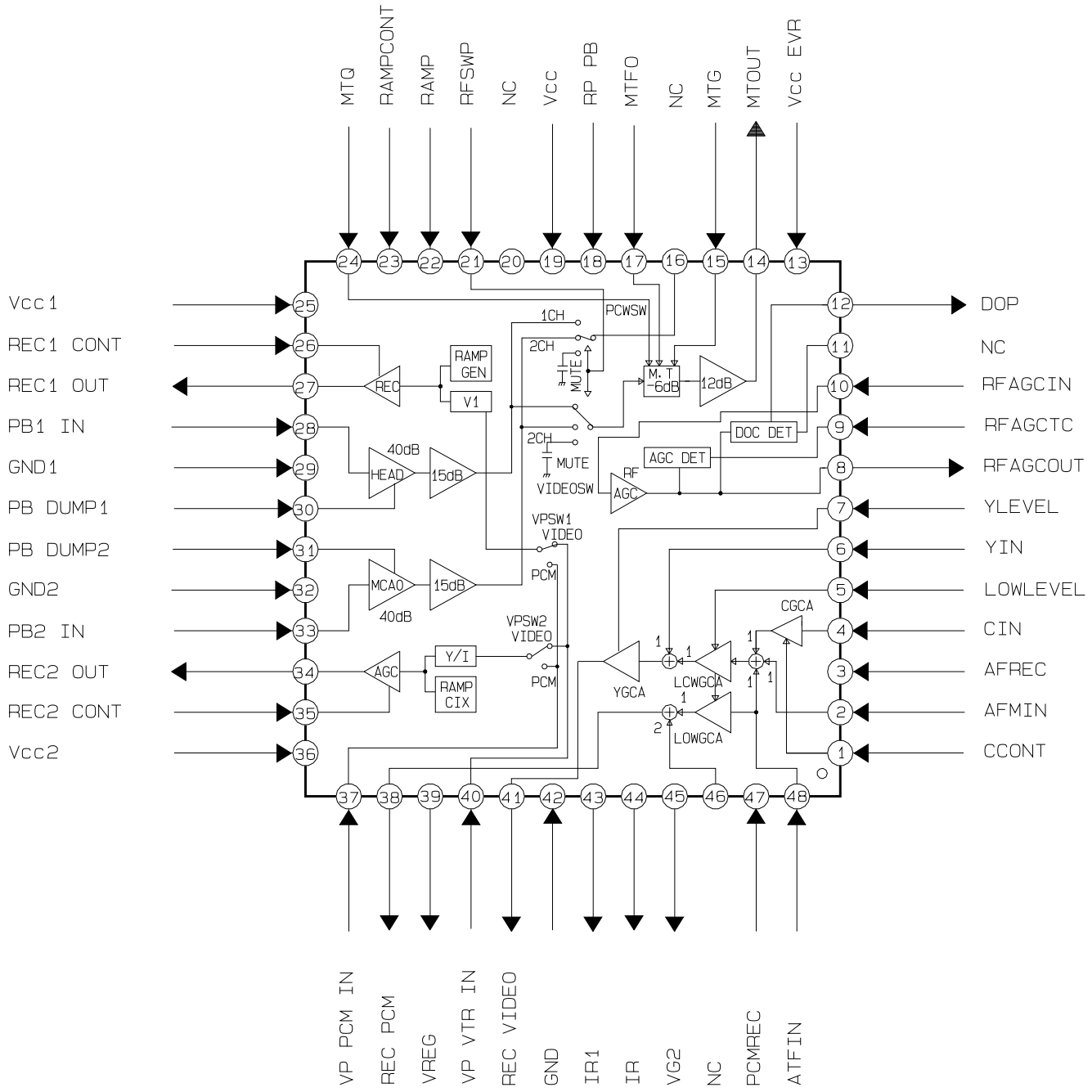


2-4-3 TP Board Connections

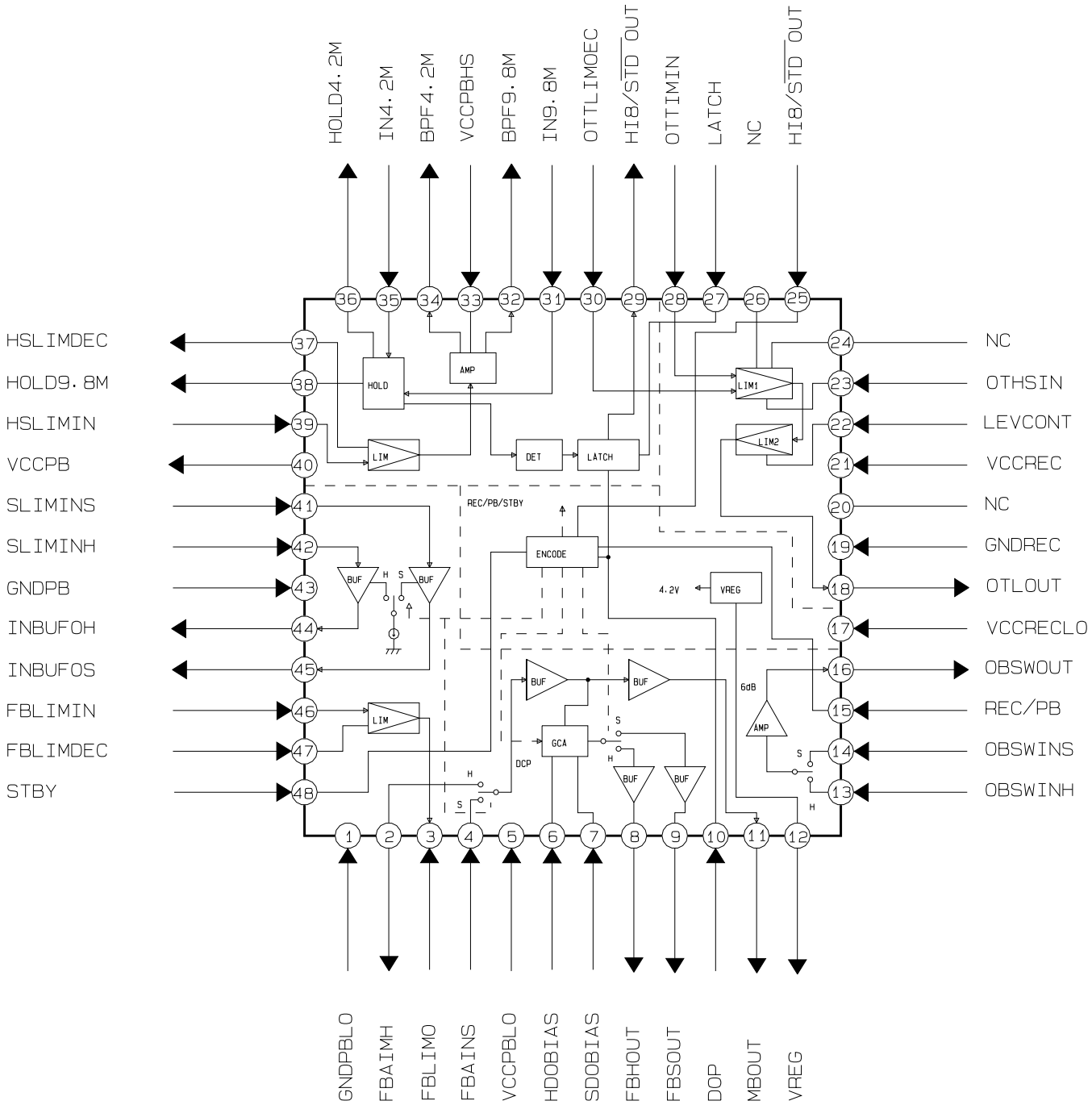


2-2 IC Blocks

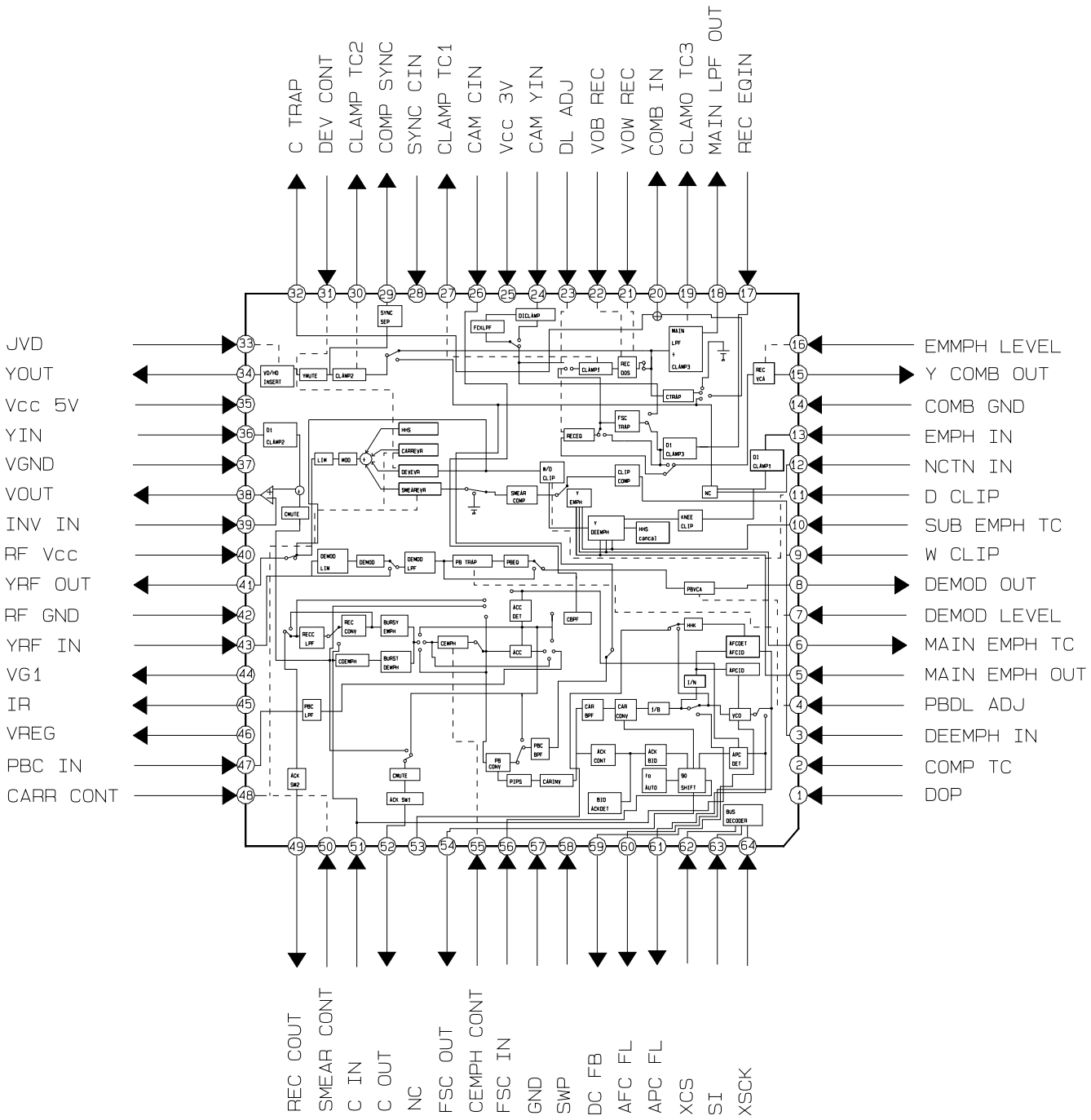
2-2-1 IC101(CXA2002R)



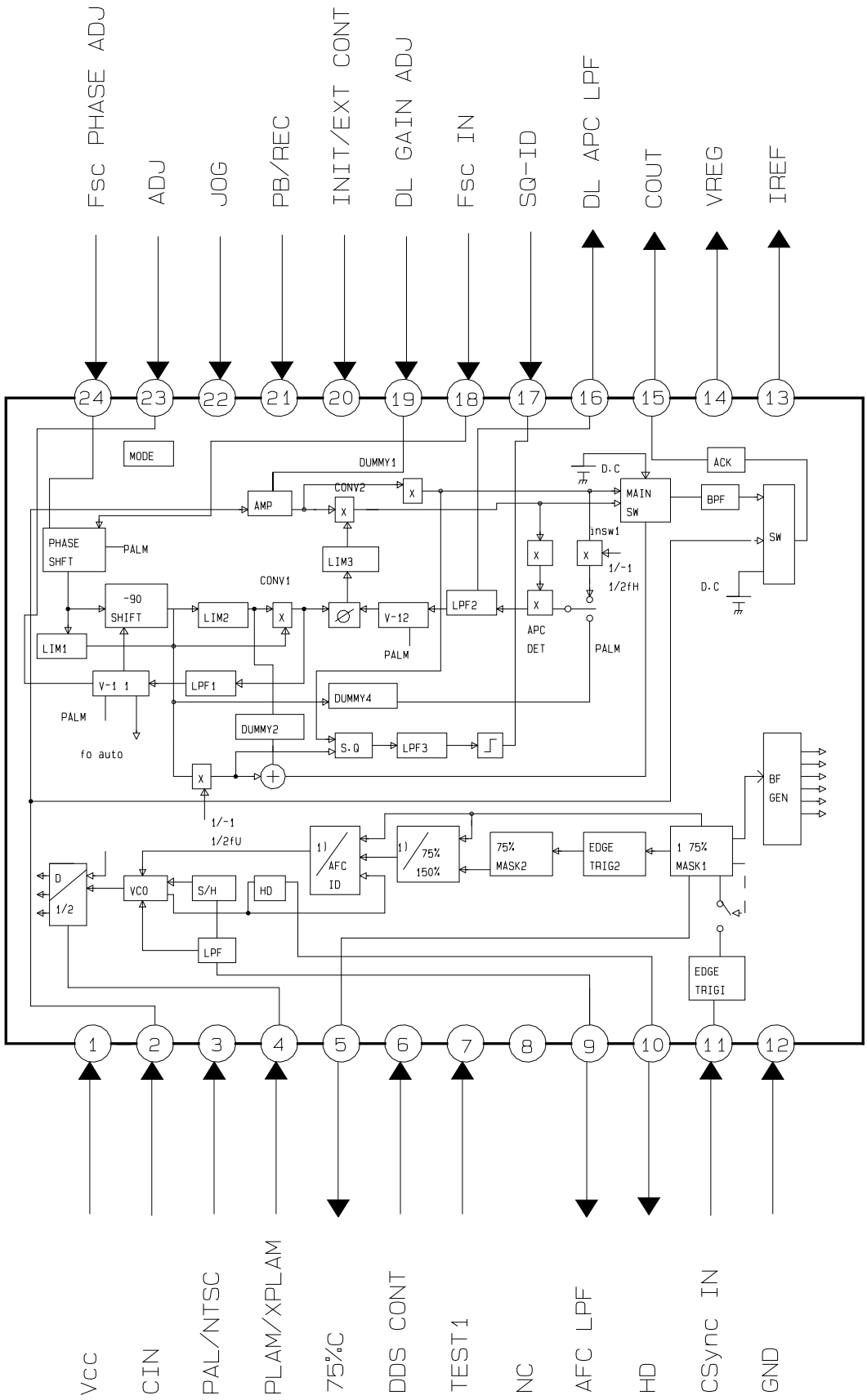
2-2-2 IC102(CXA1509AR)



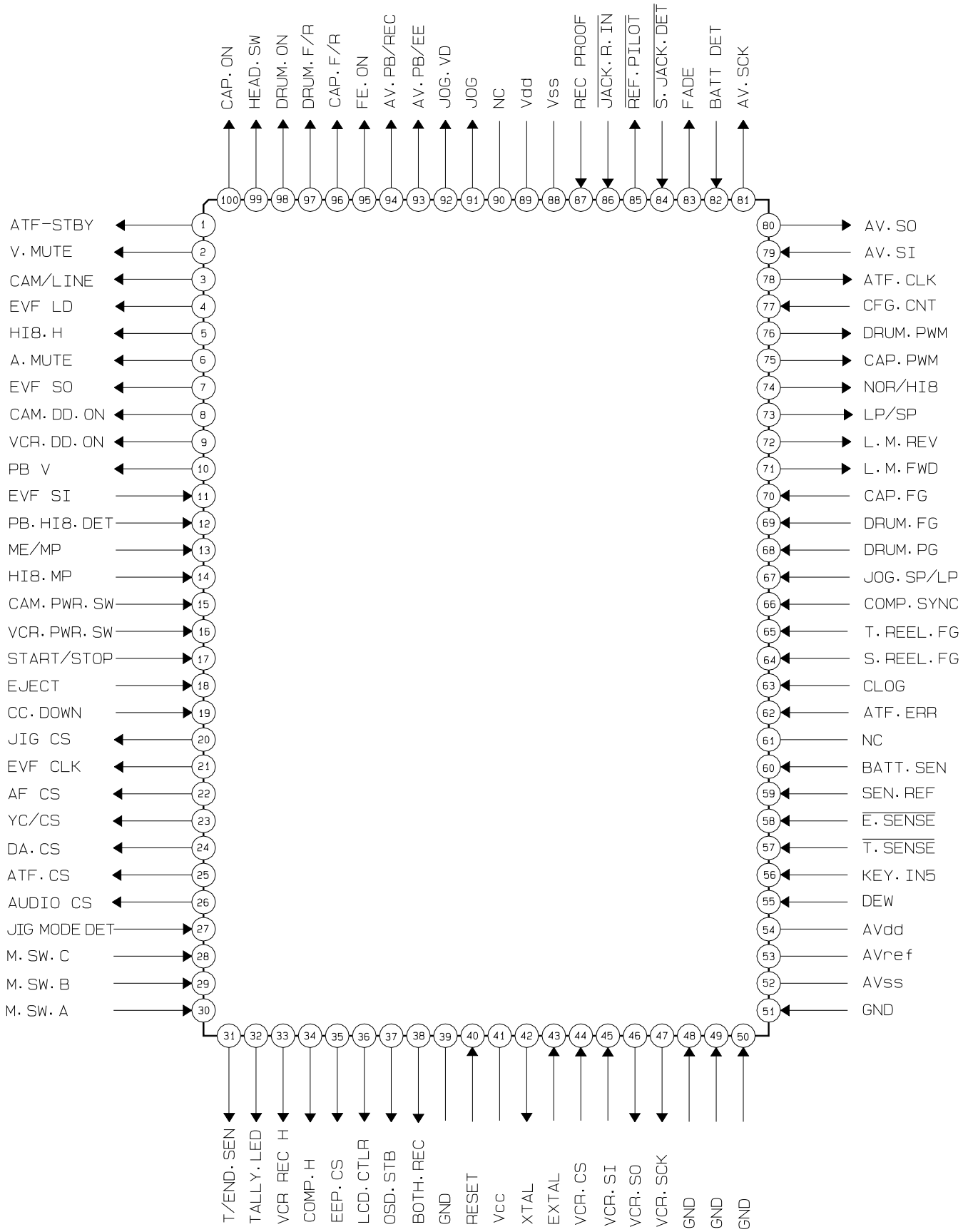
2-2-3 IC201(CXA2080R)



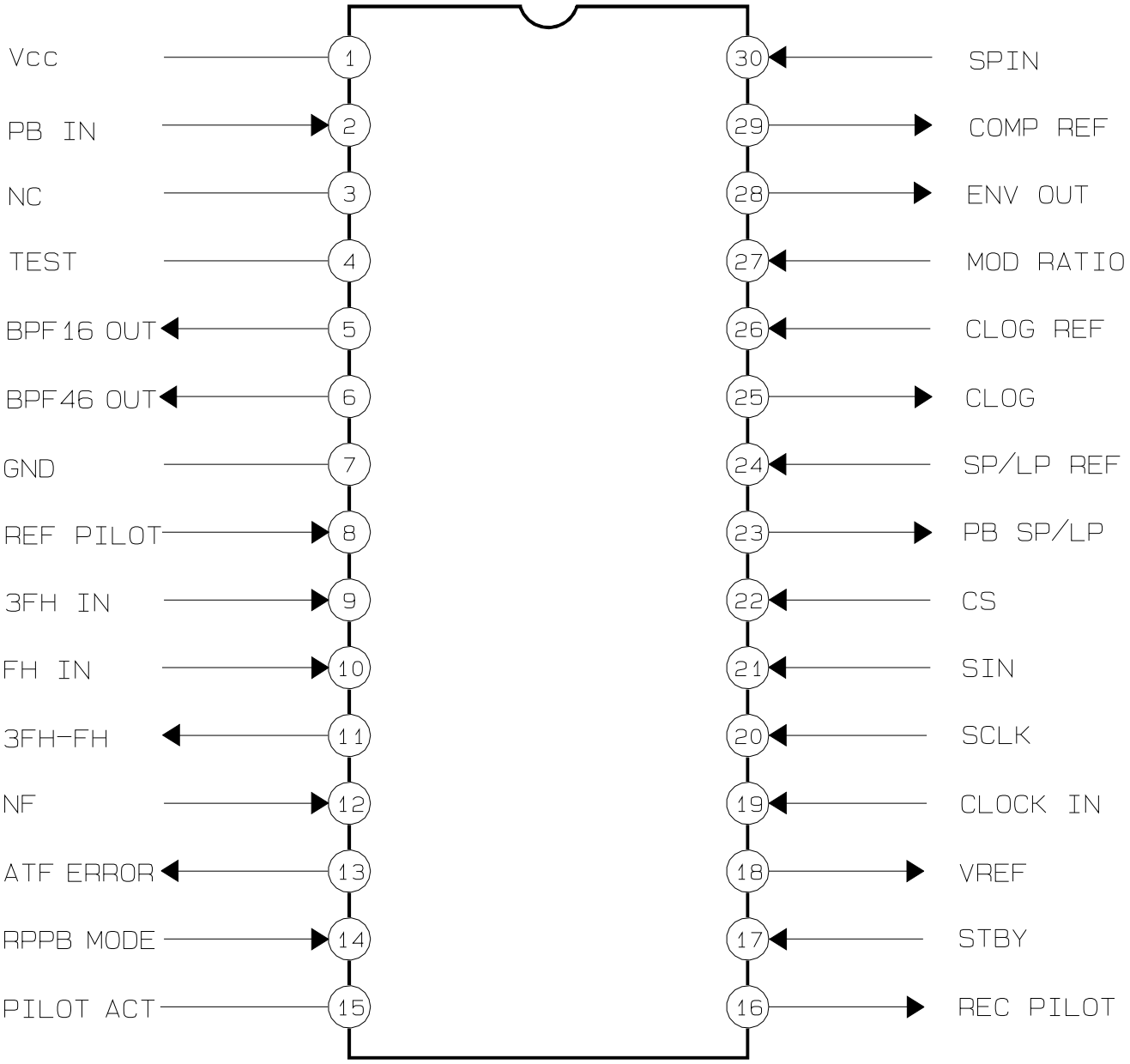
2-2-4 IC203(CXA2003N)



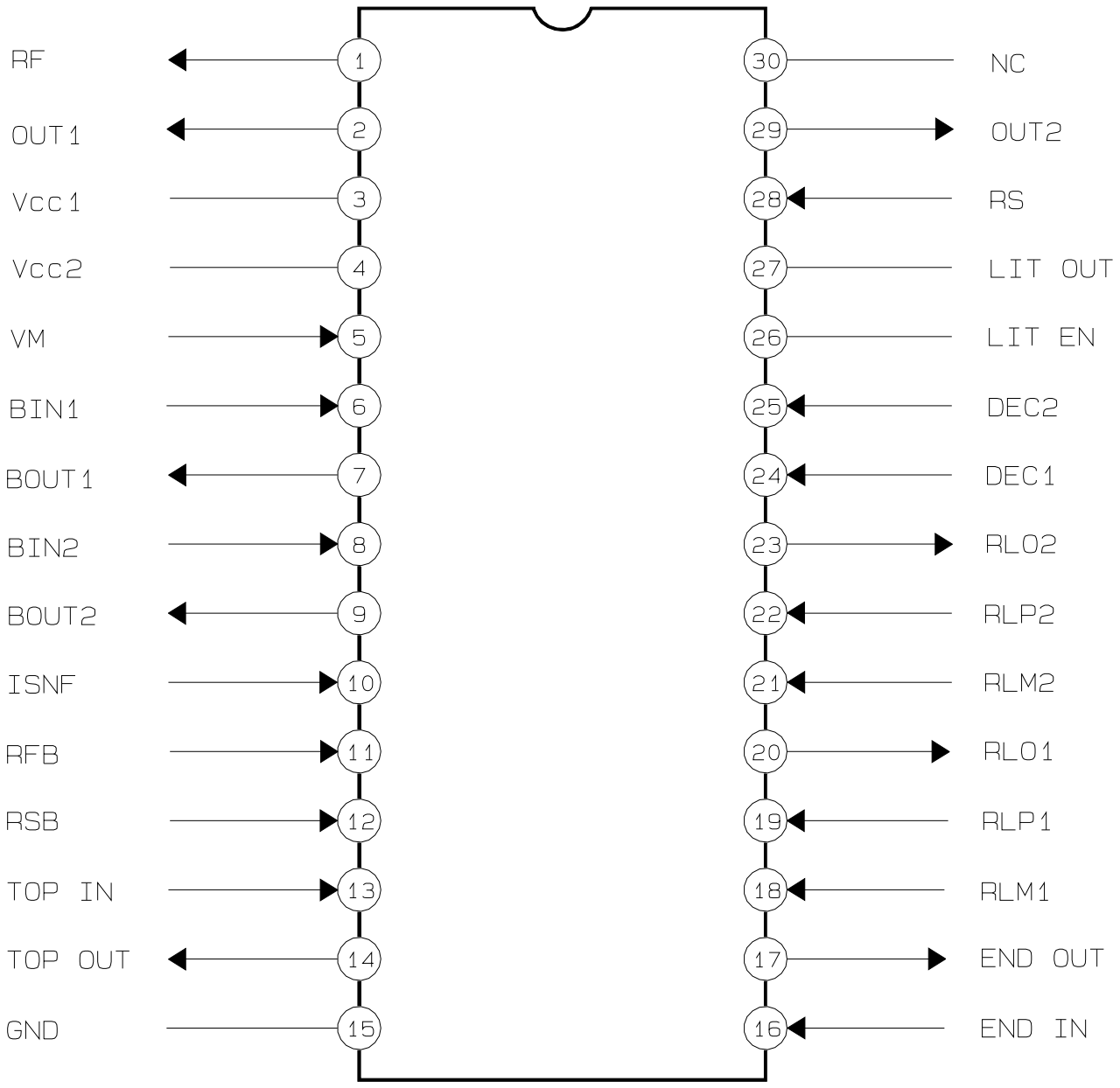
2-2-5 IC501(CXP87452)



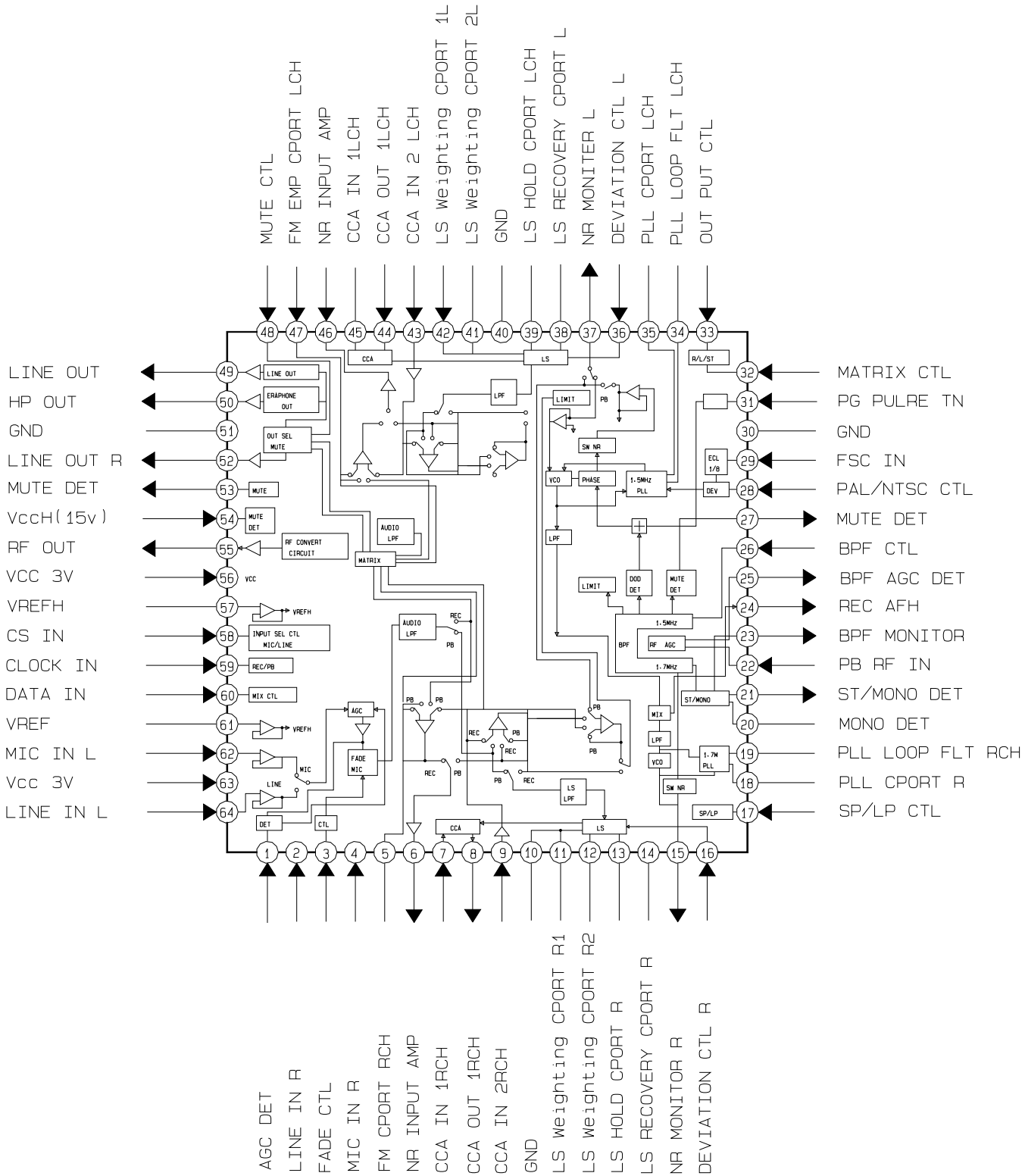
2-2-6 IC502(CXA1814N)



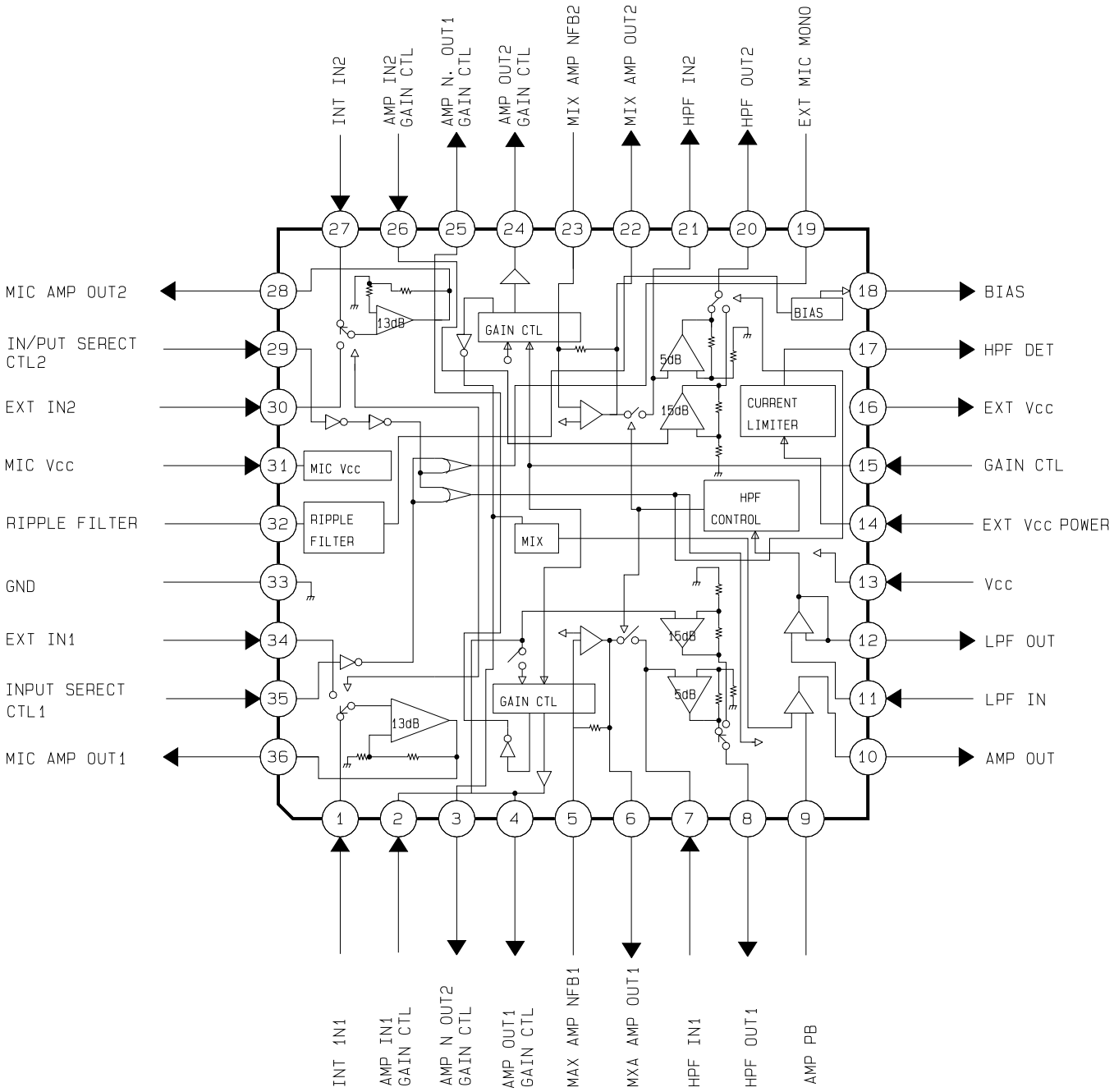
2-2-7 IC503(LB8112M)



2-2-8 IC701(AN2980)



2-2-9 IC761(LA7471M)



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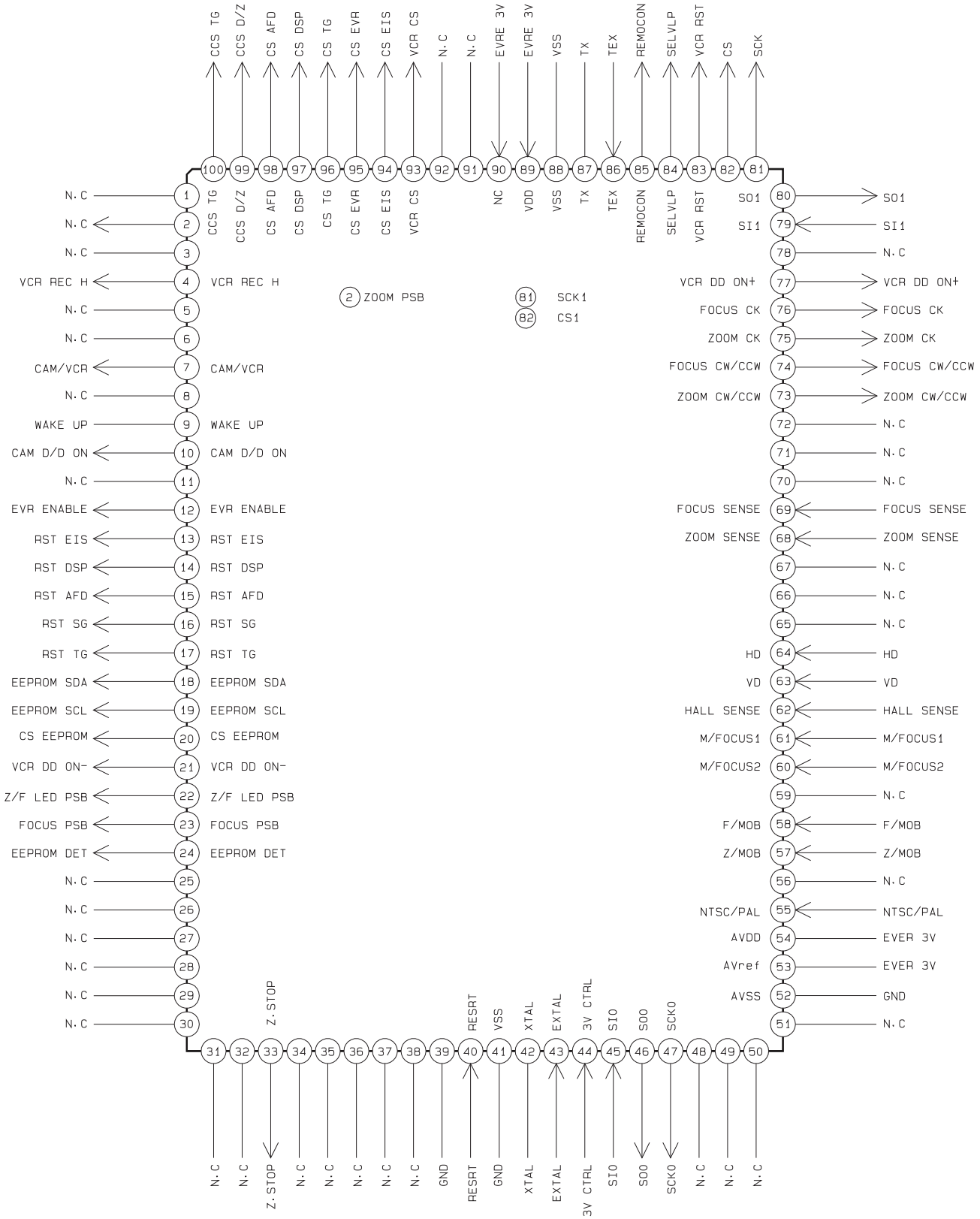

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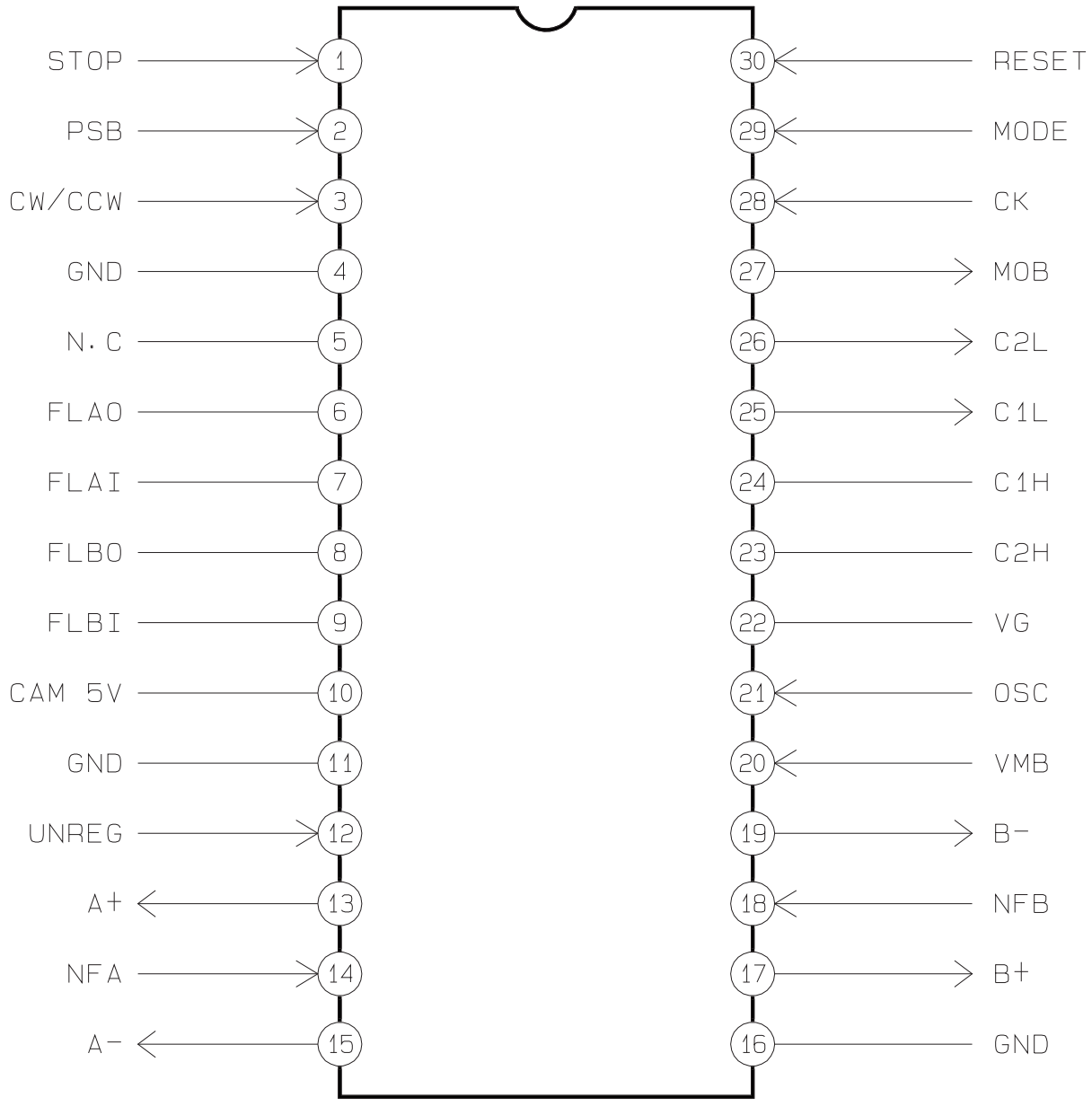
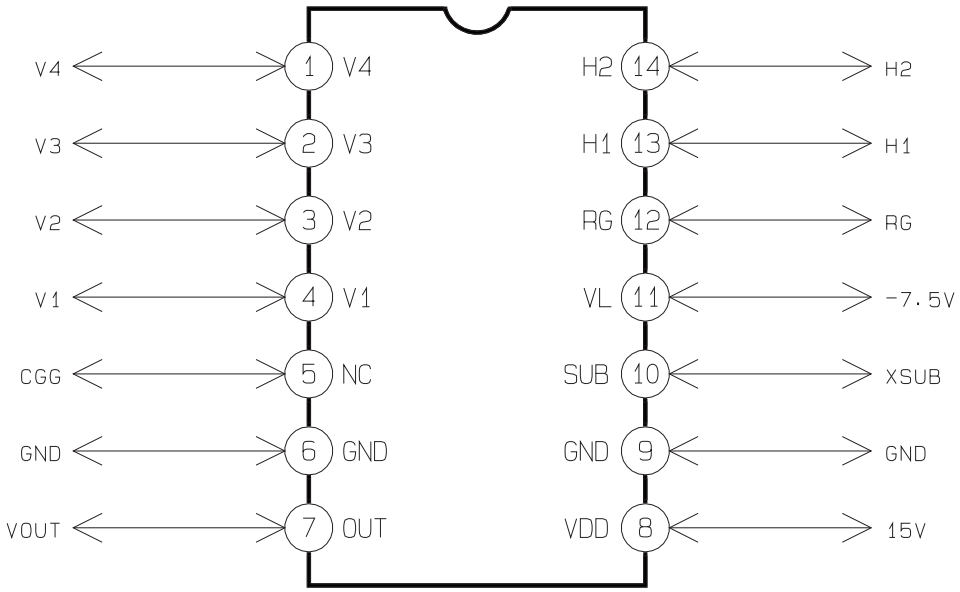
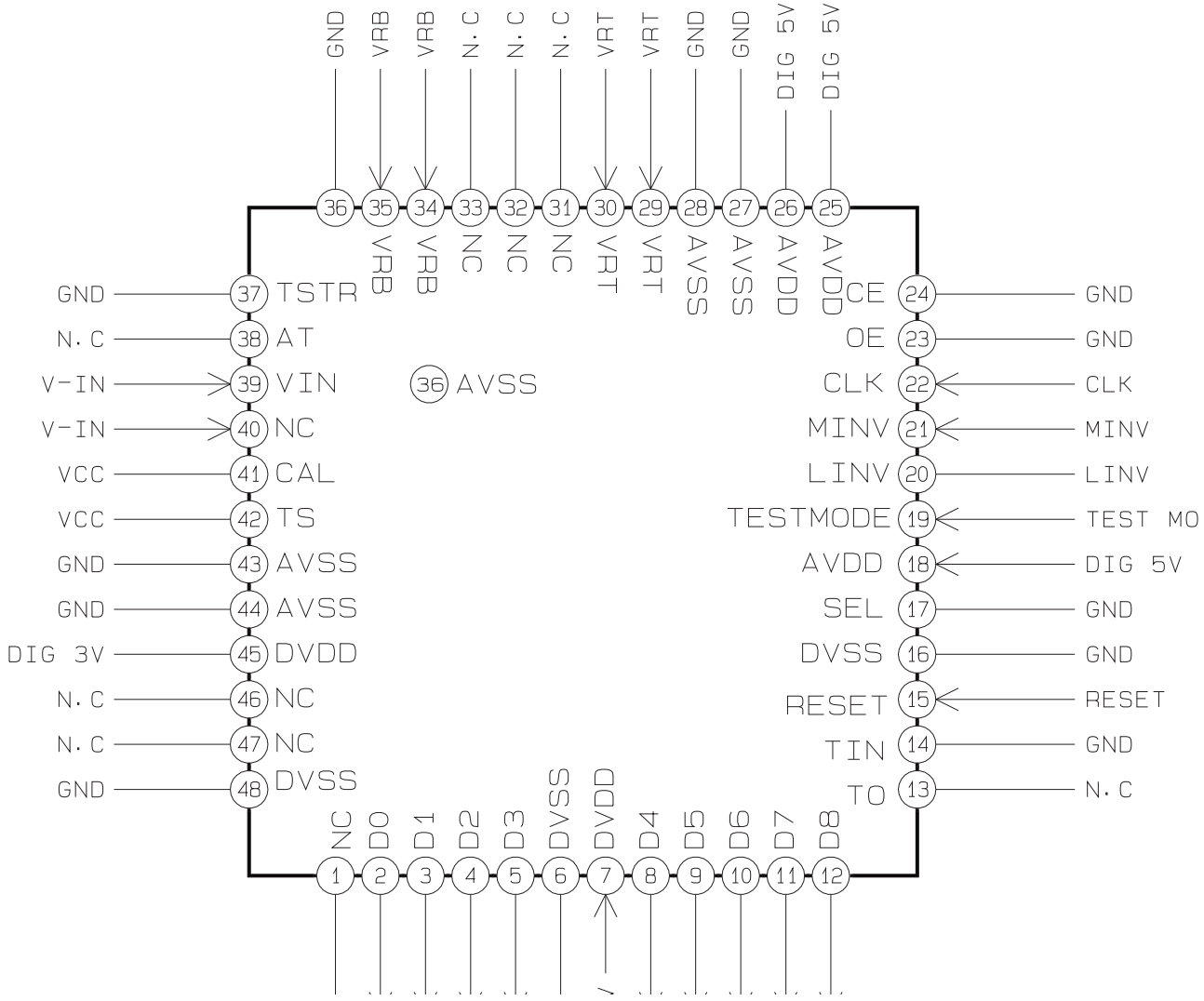


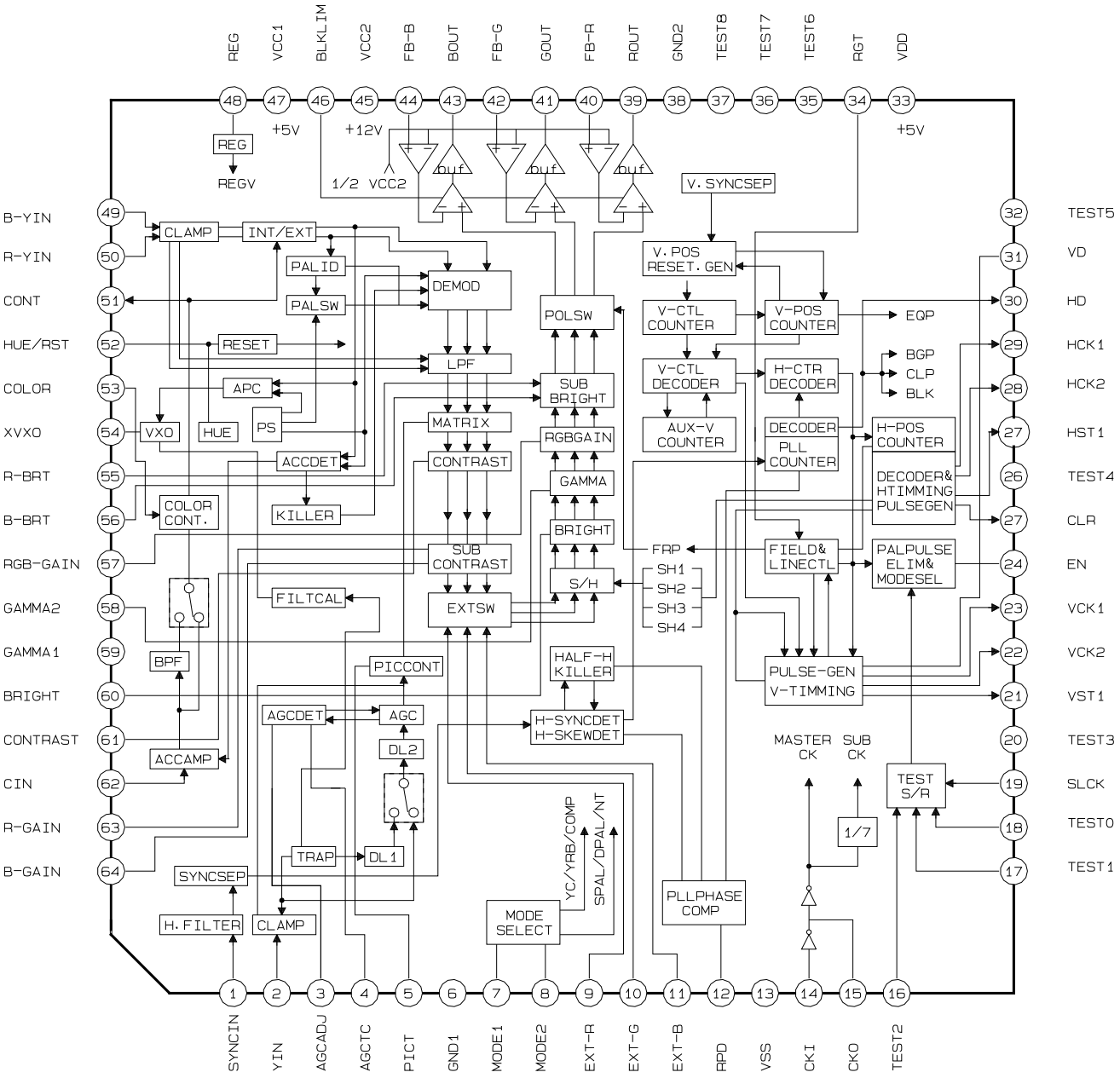
2-2-12 ICD01(ICX071AK)



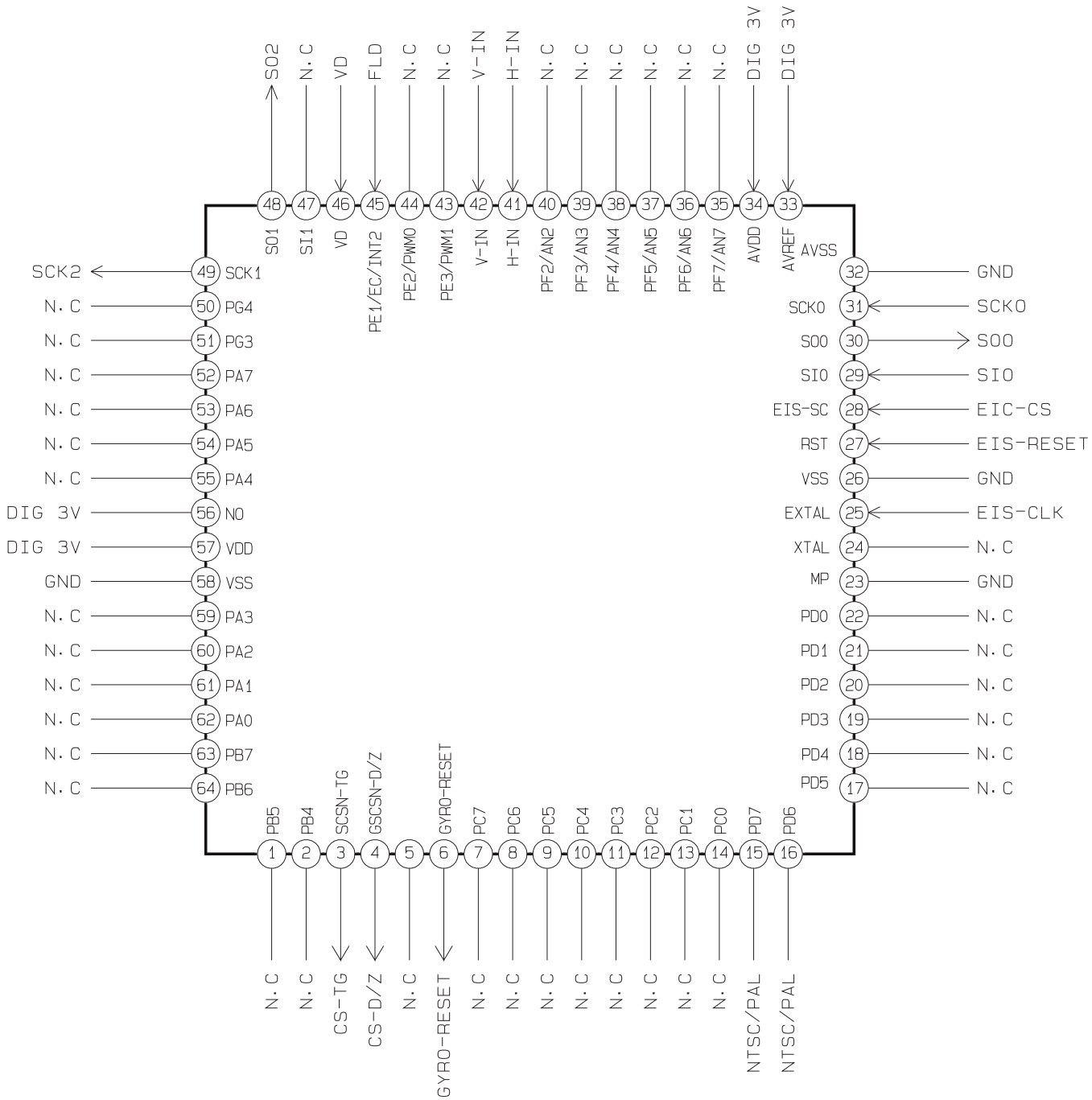
2-2-13 ICD02(CXD1276AN)



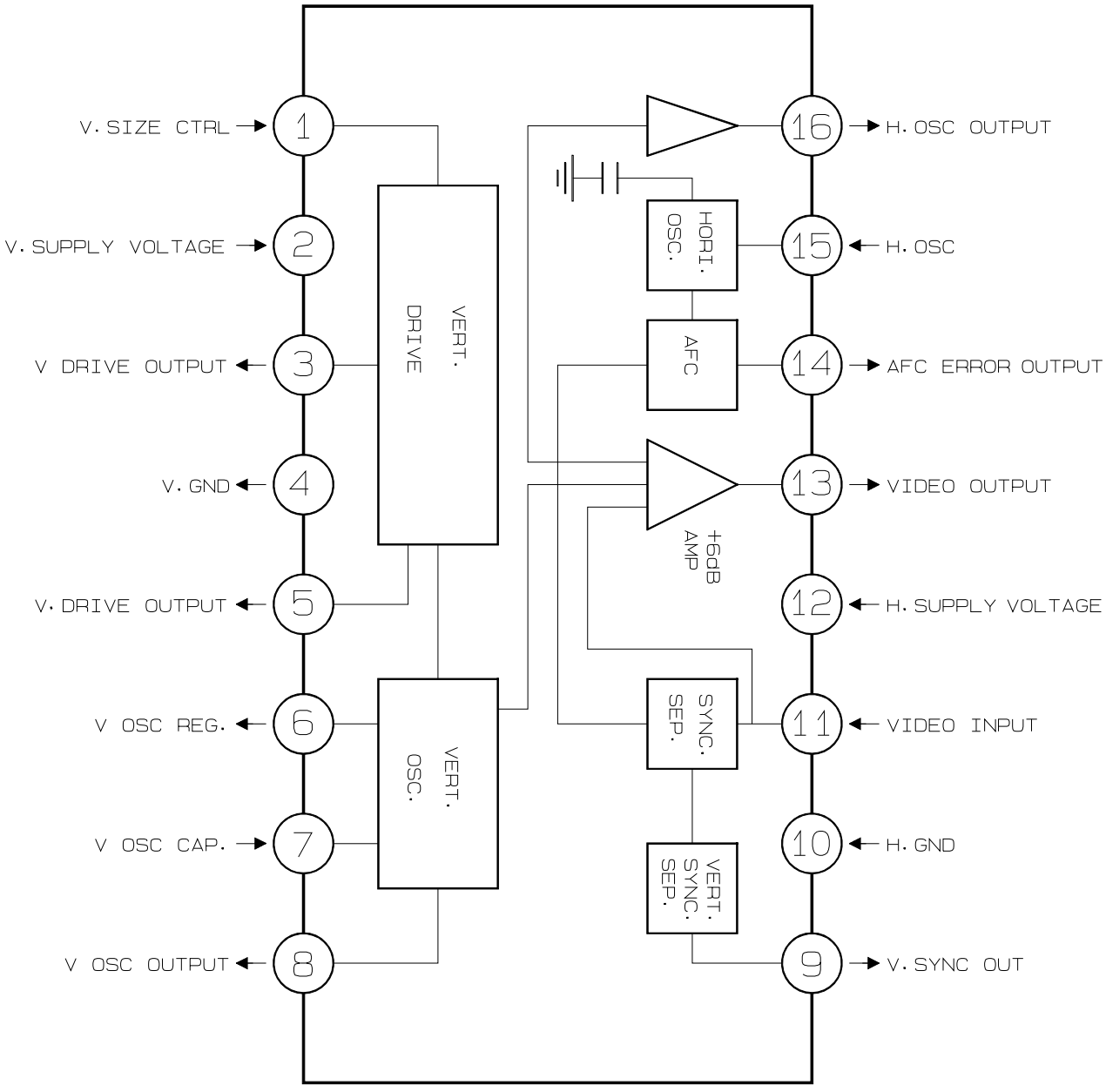
2-2-14 ICE01(CXA1854AR)-CVF



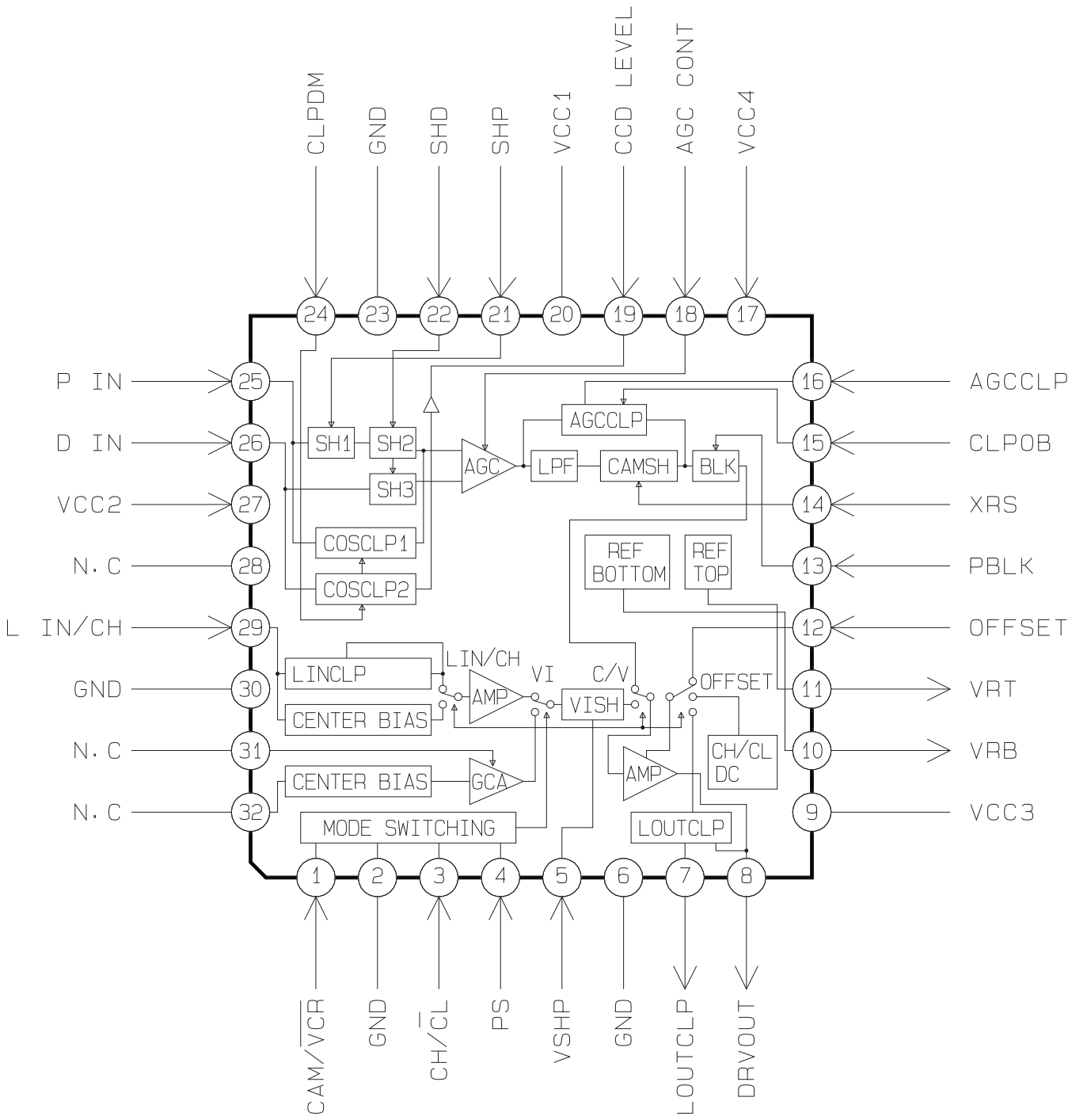
2-2-15 ICE01(CXP81124)-EIS



2-2-16 ICE01(KA7007)-EVF



2-2-17 ICP01(CXA2006Q)



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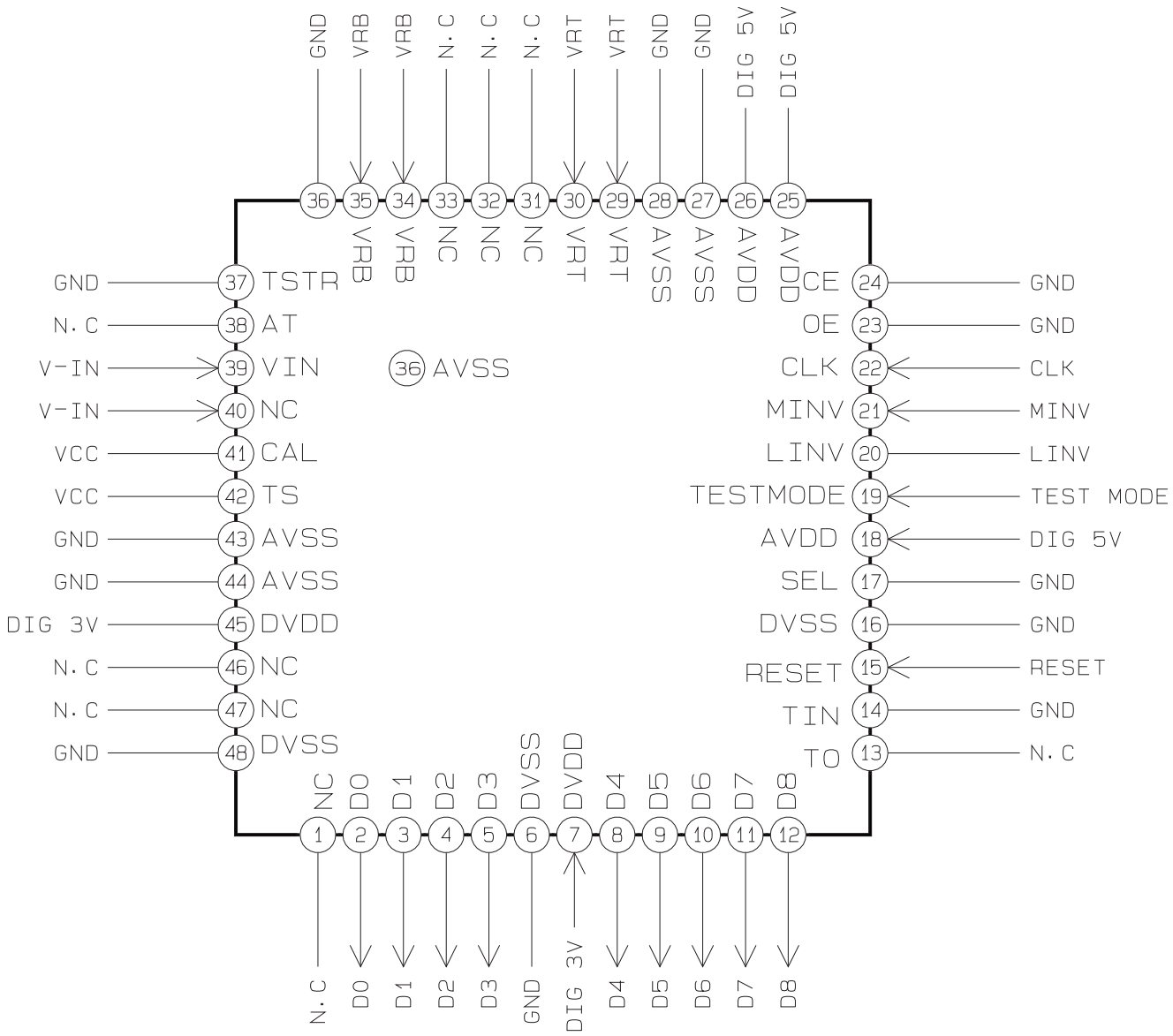

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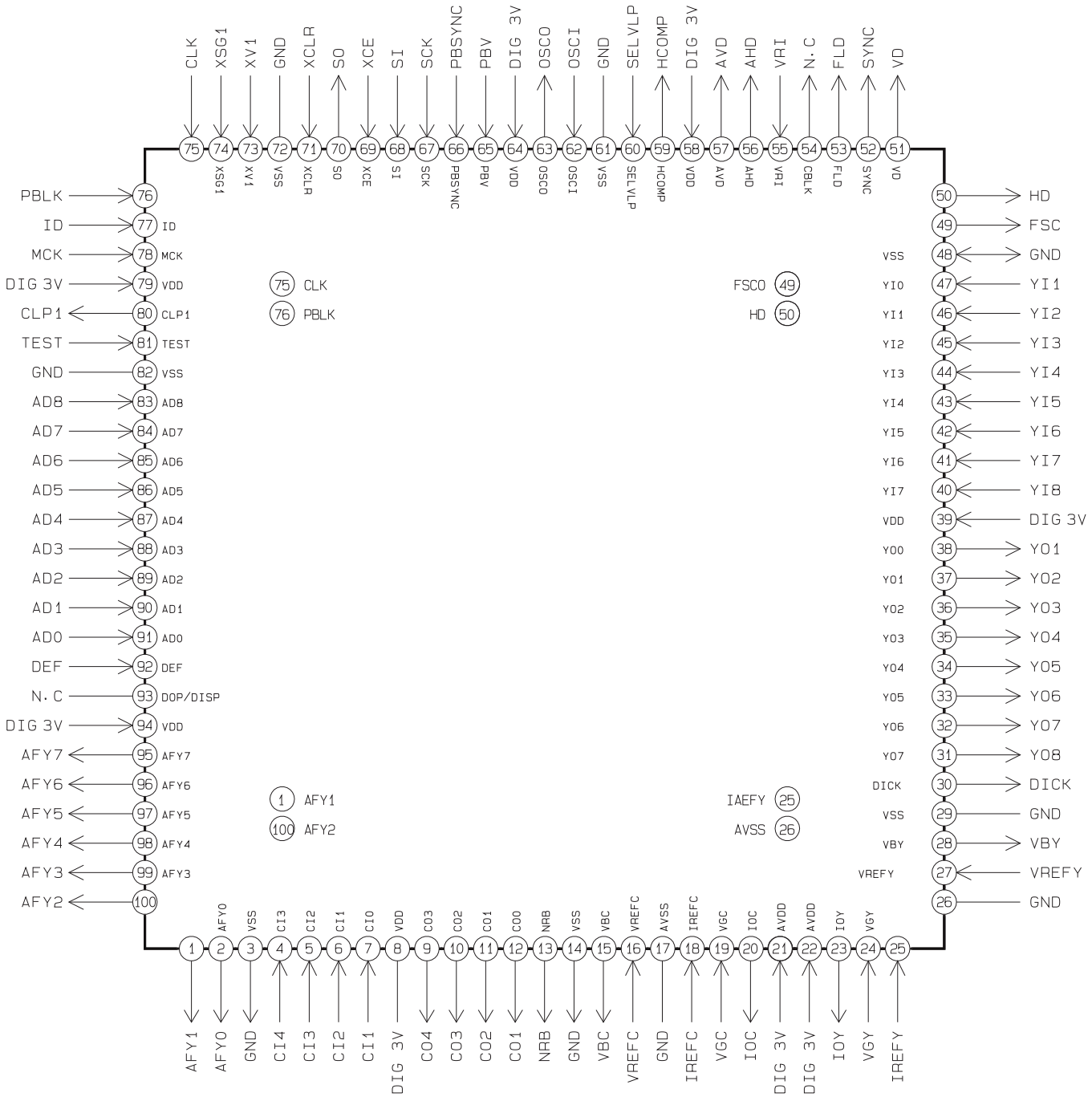

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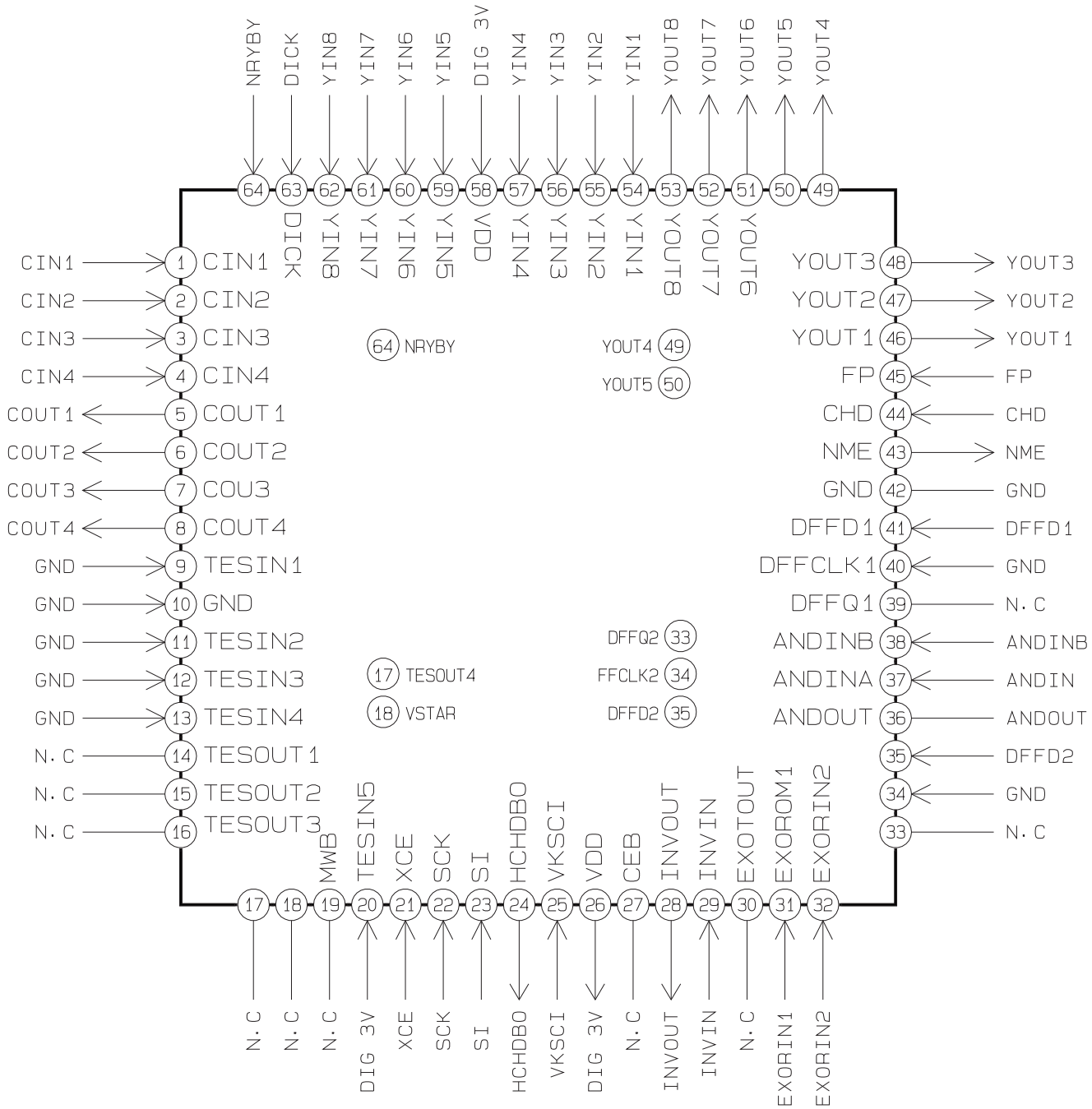
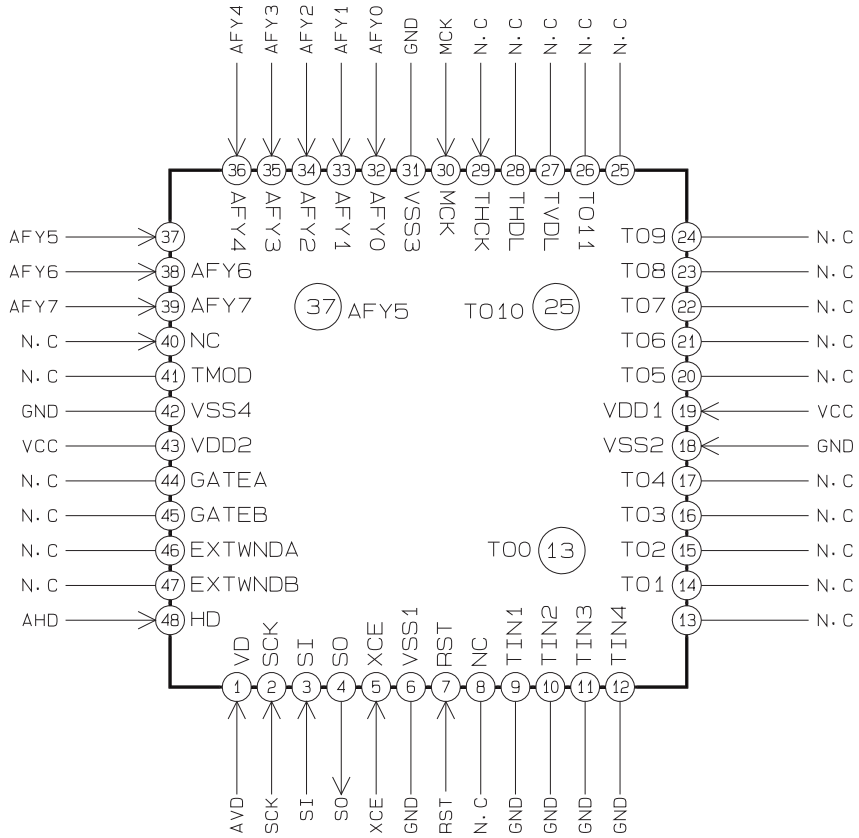


2-2-21 ICP06(CXD2418R)



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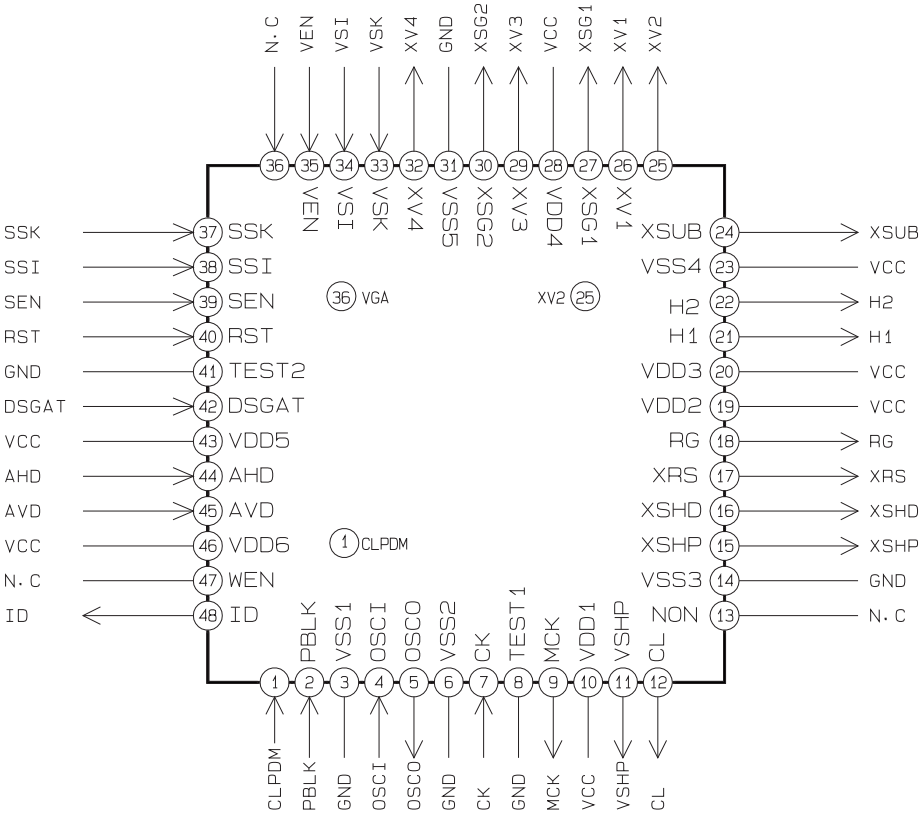


3. Product Specifications and Comparison Chart

3-1 Product Specifications

Design and specifications are subject to change without notice.

Operation	Description
SYSTEM	
Recording systems	Video : 2 rotary heads, helical FM scanning Audio : FM system
Video signal	PAL colour, CCIR standard
Cassette format	8 mm / Hi 8 mm
Tape speed	SP mode (Standard Play) : approx. 20.051 mm/sec LP mode (Long Play) : approx. 10.058 mm/sec
Playback time	SP mode (Standard Play) : 1 hour 30 minutes (P5-90) LP mode (Long Play) : 3 hours (P5-90)
Fast-forward/rewind time	Approx. 5 min. 40 secs (P5-60)
Image device	CCD (Charge Coupled Device)
Viewfinder	VP-A50/VP-A55 : Black and White electronic viewfinder VP-A52/VP-A57 : Colour viewfinder
Lens	Combined 16X power zoom lens, f=3.9~62.4mm, F1.4 auto wide macro: filter diameter 46mm
Automatic focus system	Inner
Colour temperature	Auto/indoors : 3100°K; outdoor : 5100°K
Lighting	> 300 lux (28 footcandles) ; minimum lighting : 3 lux
Aperture correction	Automatic with back light adjustment
INPUT/OUTPUT CONNECTORS	
Video output	Phono jack / S-VIDEO jack, 1Vp-p, 75 ohms, unbalanced, SYNC negative
Audio output	Phono jack, 7.5dBs for an output impedance of less than 2.2 Kohms
RFU DC OUT	Special mini-jack, 5V DC
Earphone output	Minijack, 8 ohms
GENERAL	
Power requirement	AC power adaptor (7.5V) ; battery pack (6.0V)
Power consumption	5.2W (in camera mode)
Tripod attachment thread	Attachment screw less than 9mm long
Microphone	Electric condensor microphone, omni-directional, stereo type
Temperature range	Operation : 0°C to 40°C (32°F to 104°F); storage : -20°C to 60°C (-4°F to 140°F)
Dimensions/weight	Appros. 101 X 109 X 198 mm (3.9 X 4.1 X 7.8 inches) ; approx. 750 g (1.65 lbs) including lens cap, excluding battery pack and cassette

3-2 Comparison Chart

MODEL / FUNCTION	VP-A50	VP-A52	VP-A55	VP-A57	REMARK
VIEWFINDER	EVF	CVF	EVF	CVF	
D.ZOOM	X	X32 D.ZOOM	X64 D.ZOOM	X64 D.ZOOM	
STEREO	O	O	O	O	
EIS	X	X	O	O	
WIDE	X	O	O	O	

4. Disassembly and Reassembly

4-1 Cabinet Disassembly

4-1-1 Ass'y Cover Housing Removal

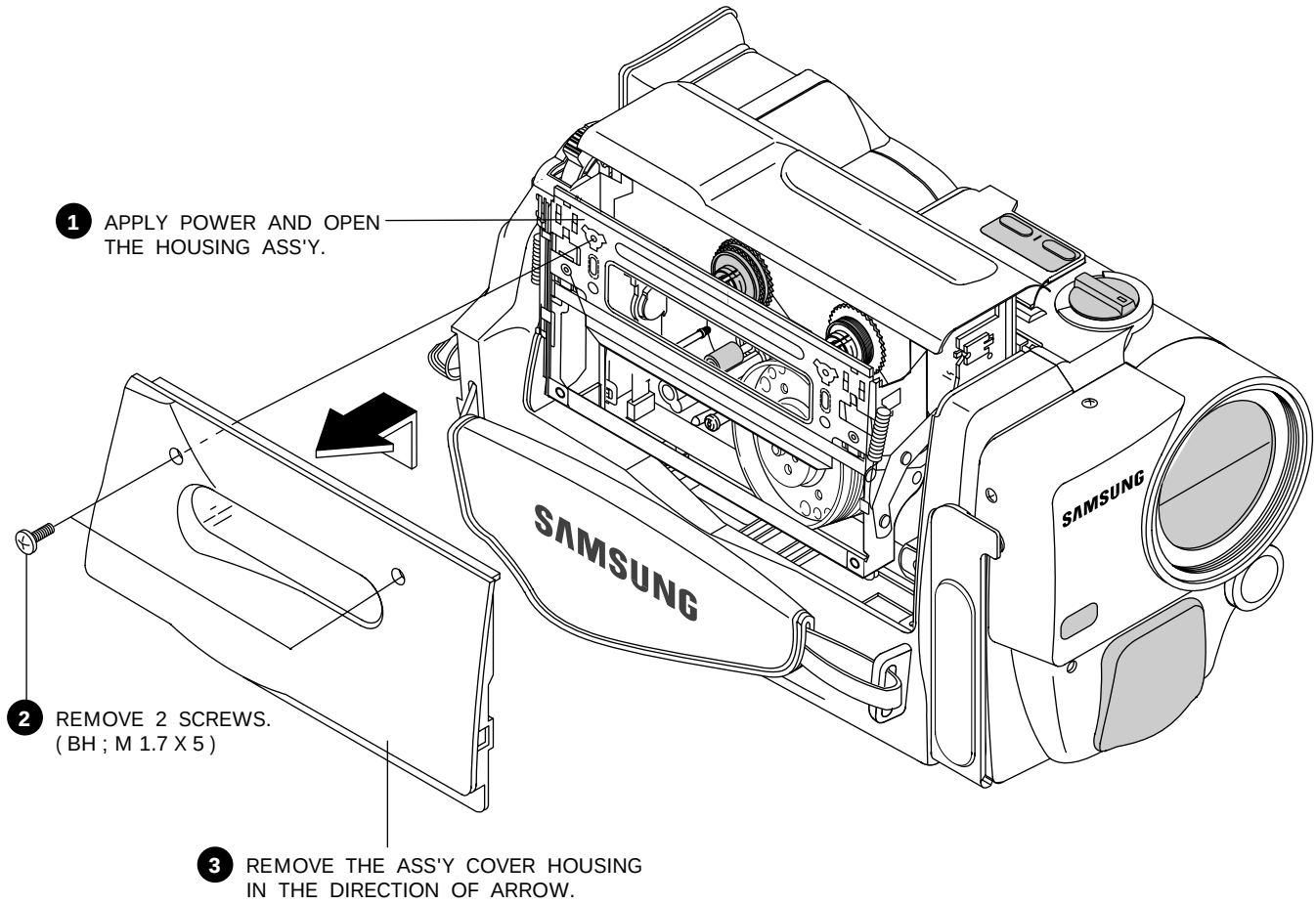


Fig. 4-1 Ass'y Cover Housing Removal

4-1-2 Ass'y Case Top Removal

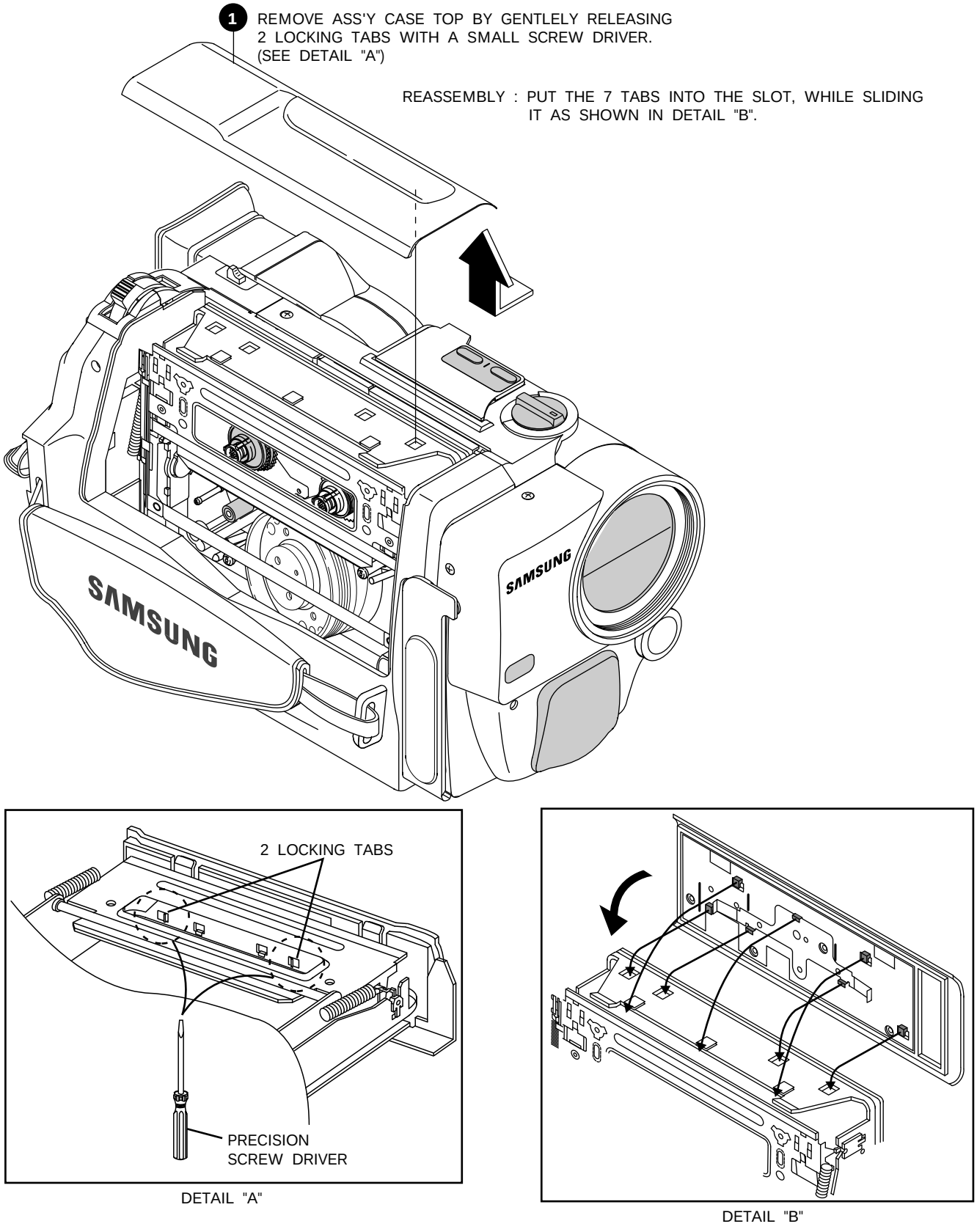


Fig. 4-2 Ass'y Case Top Removal

4-1-3 Ass'y Front Removal (1)

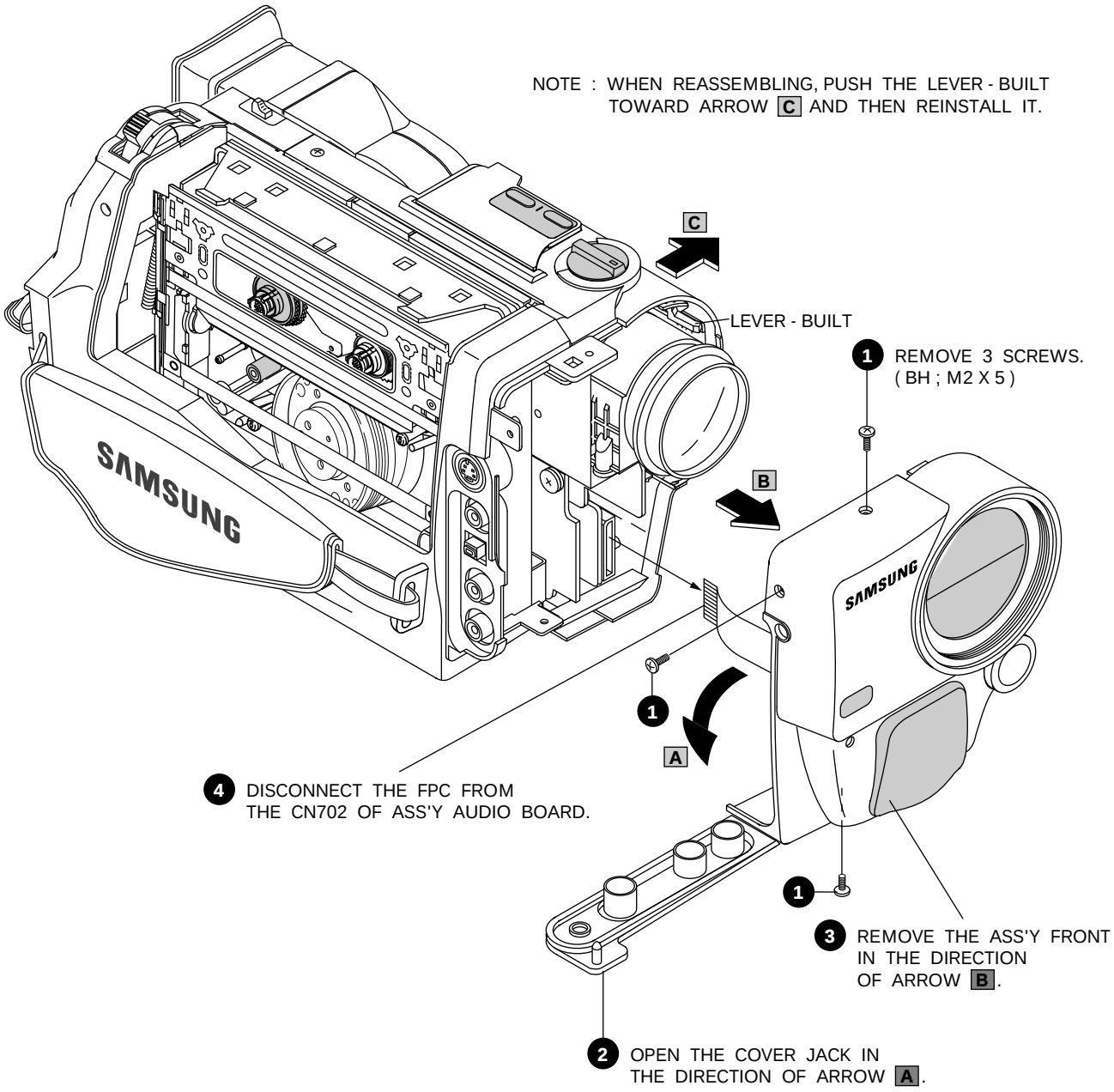
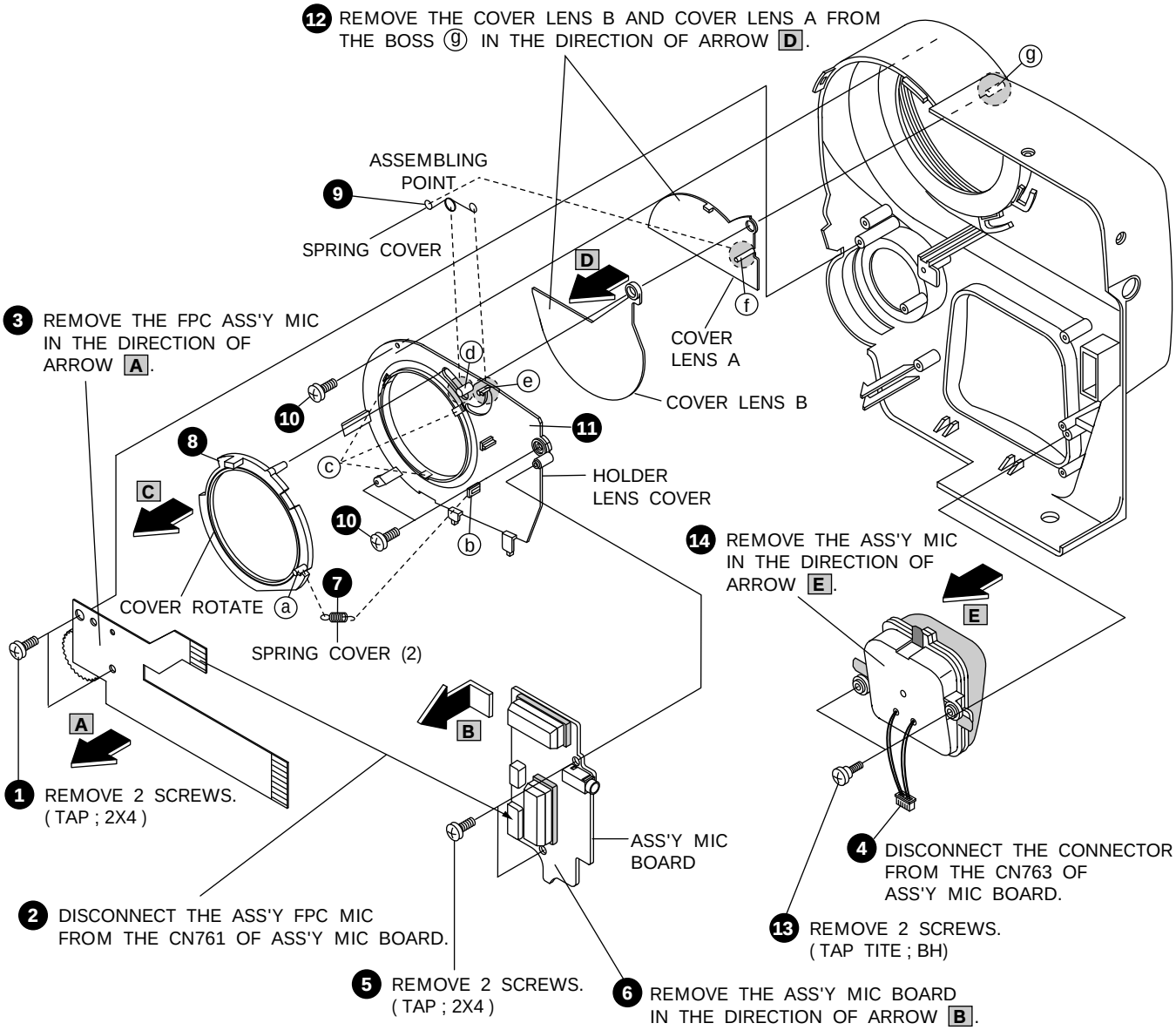


Fig. 4-3 Ass'y Front Removal (1)

4-1-4 Ass'y Front Removal (2)



7 REMOVE THE SPRING COVER (2) FROM THE COVER ROTATE OF HOOK ⓐ AND HOLDER LENS COVER OF HOOK ⓑ.

8 REMOVE THE COVER ROTATE IN THE DIRECTION OF ARROW C AFTER PUSHING THE 3 TABS ⓒ.

9 REMOVE THE SPRING COVER FROM THE HOLDER LENS COVER HOOK ⓓ, ⓔ AND HOLDER LENS A HOOK ⓕ.

10 REMOVE 3 SCREWS.
(TAP ; 2X4)

11 REMOVE THE HOLDER LENS COVER.

Fig. 4-4 Ass'y Front Removal (2)

4-1-5 Unit Case Right Removal

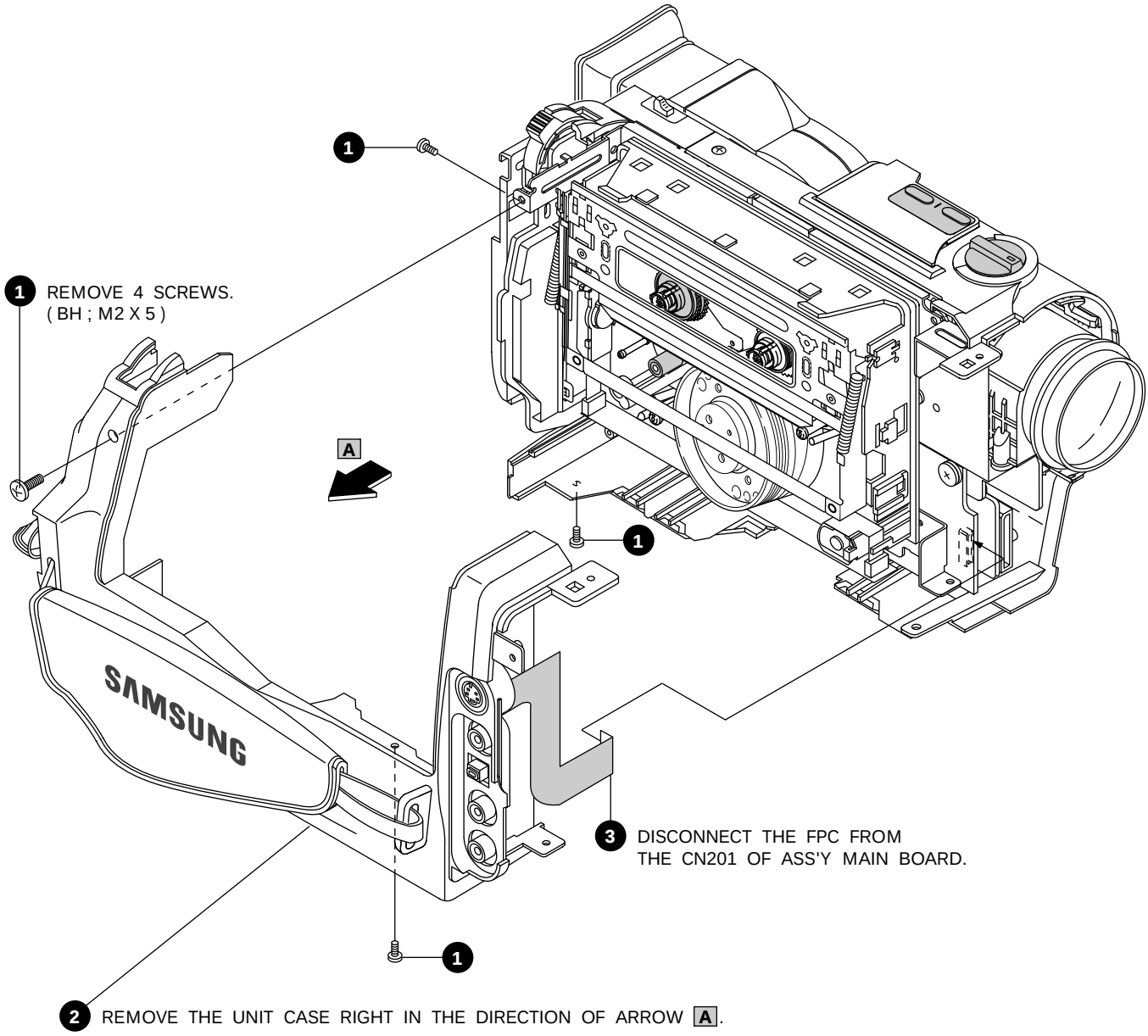


Fig. 4-5 Unit Case Right Removal

4-1-6 Ass'y Case Left Removal (1)

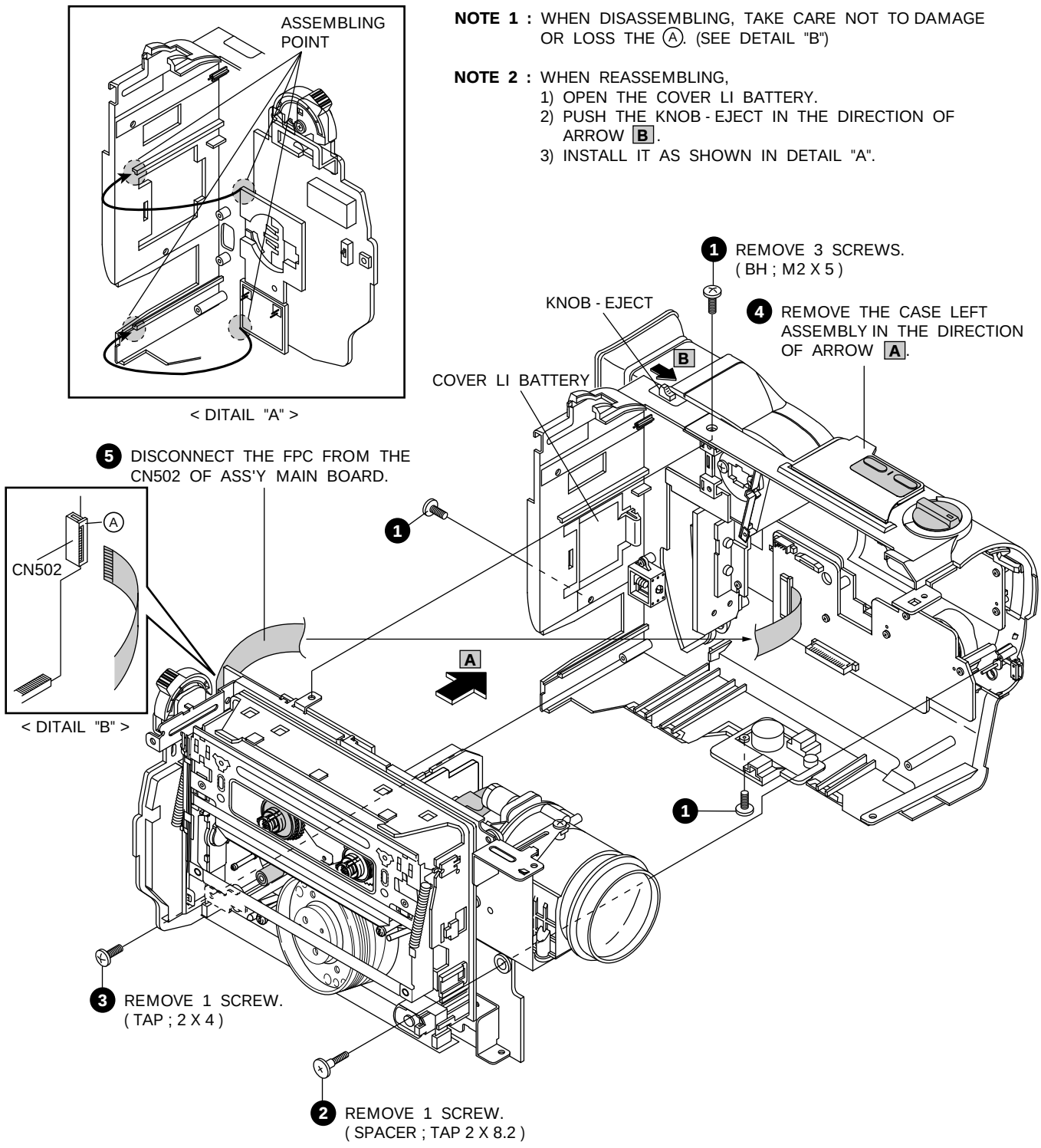


Fig. 4-6 Ass'y Case Left Removal (1)

4-1-7 Ass'y EVF/CVF Removal

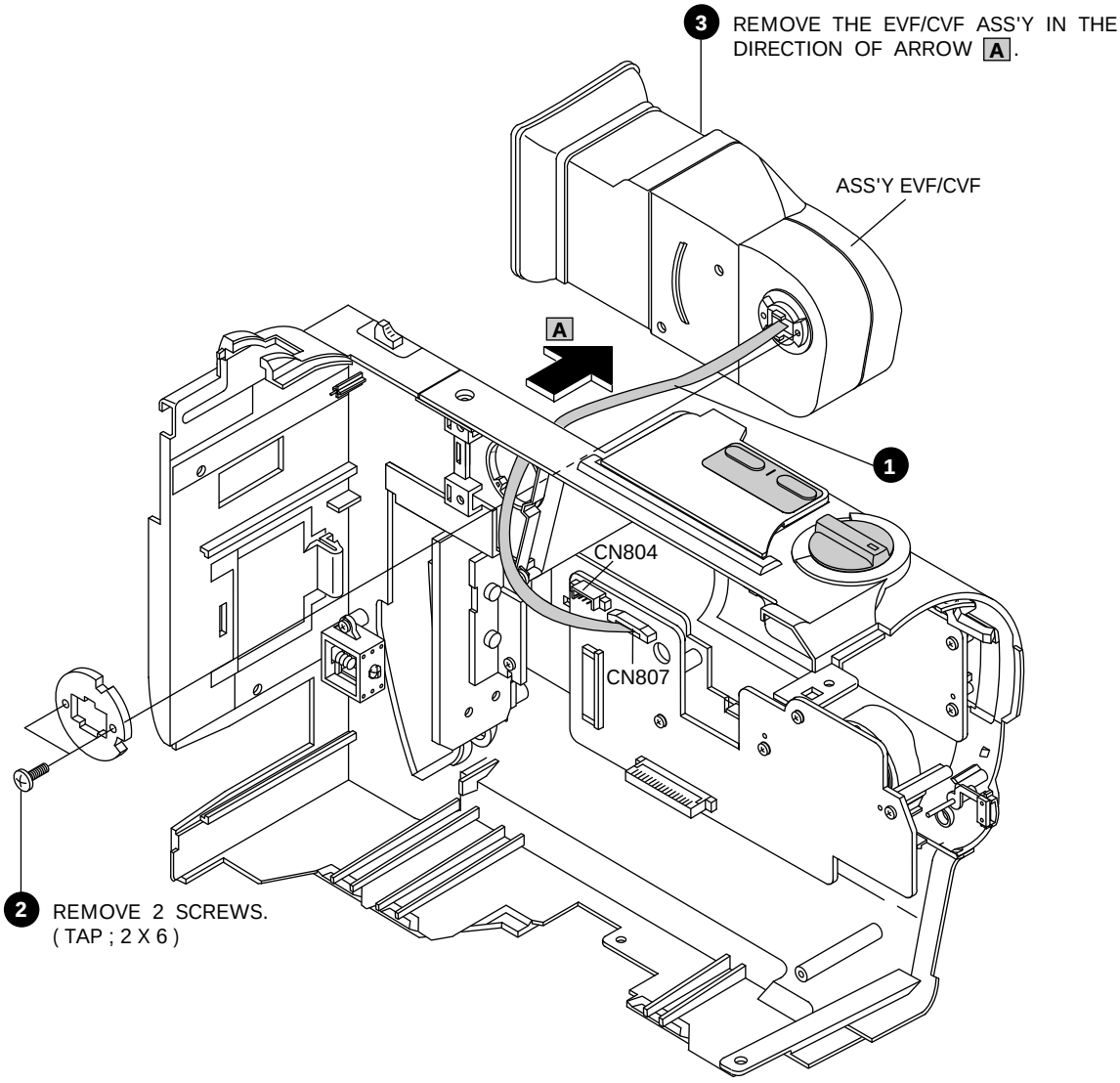
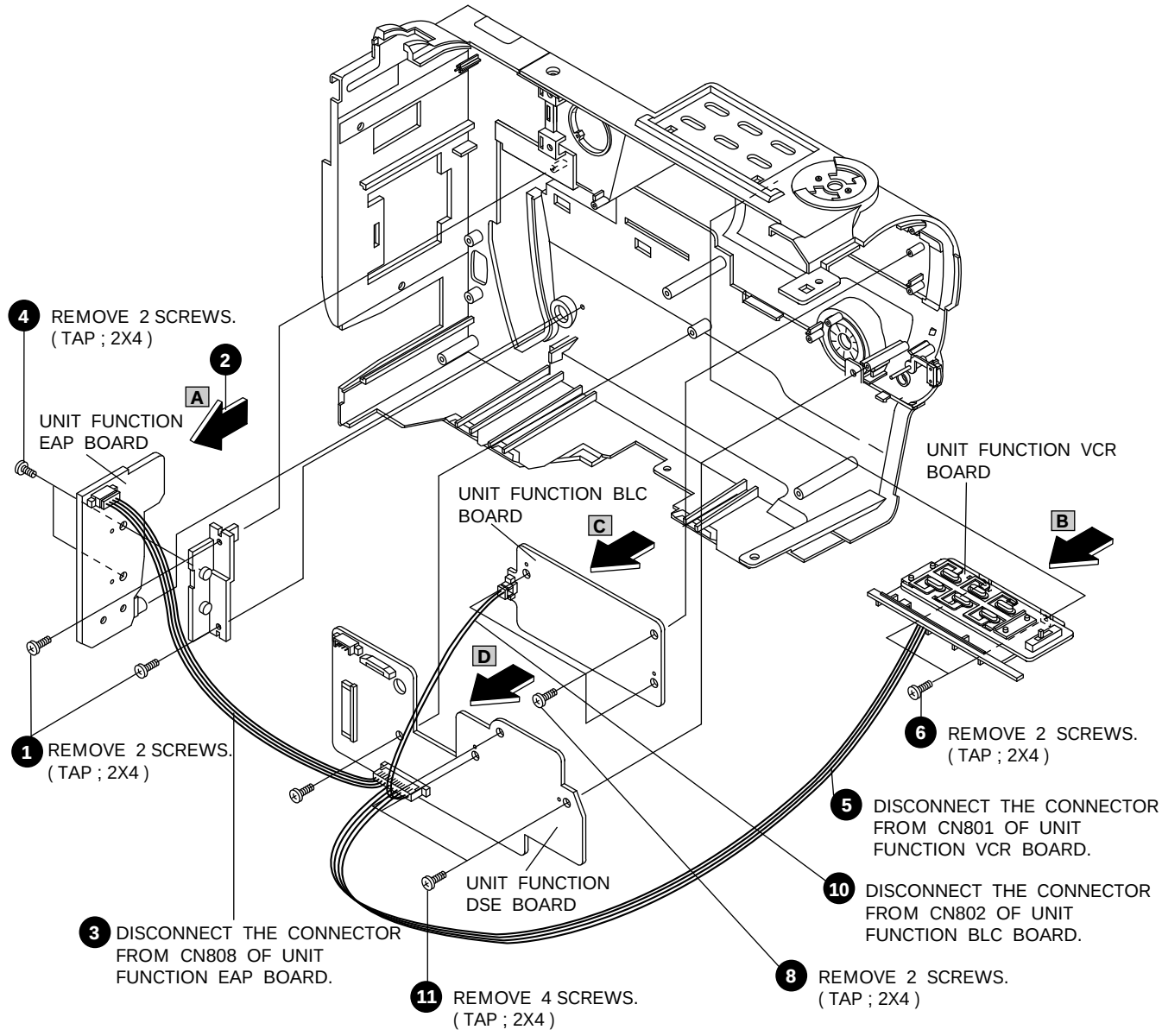


Fig. 4-7 Ass'y EVF/CVF Removal

4-1-8 Ass'y Case Left Removal (2)



2 REMOVE THE UNIT FUNCTION EAP BOARD IN THE DIRECTION OF ARROW A.

7 REMOVE THE UNIT FUNCTION VCR BOARD IN THE DIRECTION OF ARROW B.

9 REMOVE THE UNIT FUNCTION BLC BOARD IN THE DIRECTION OF ARROW C.

12 REMOVE THE UNIT FUNCTION DSE BOARD IN THE DIRECTION OF ARROW D.

Fig. 4-8 Ass'y Case Left Removal (2)

4-1-9 Ass'y 8mm Deck, Ass'y Main Board and DC/DC Converter Removal

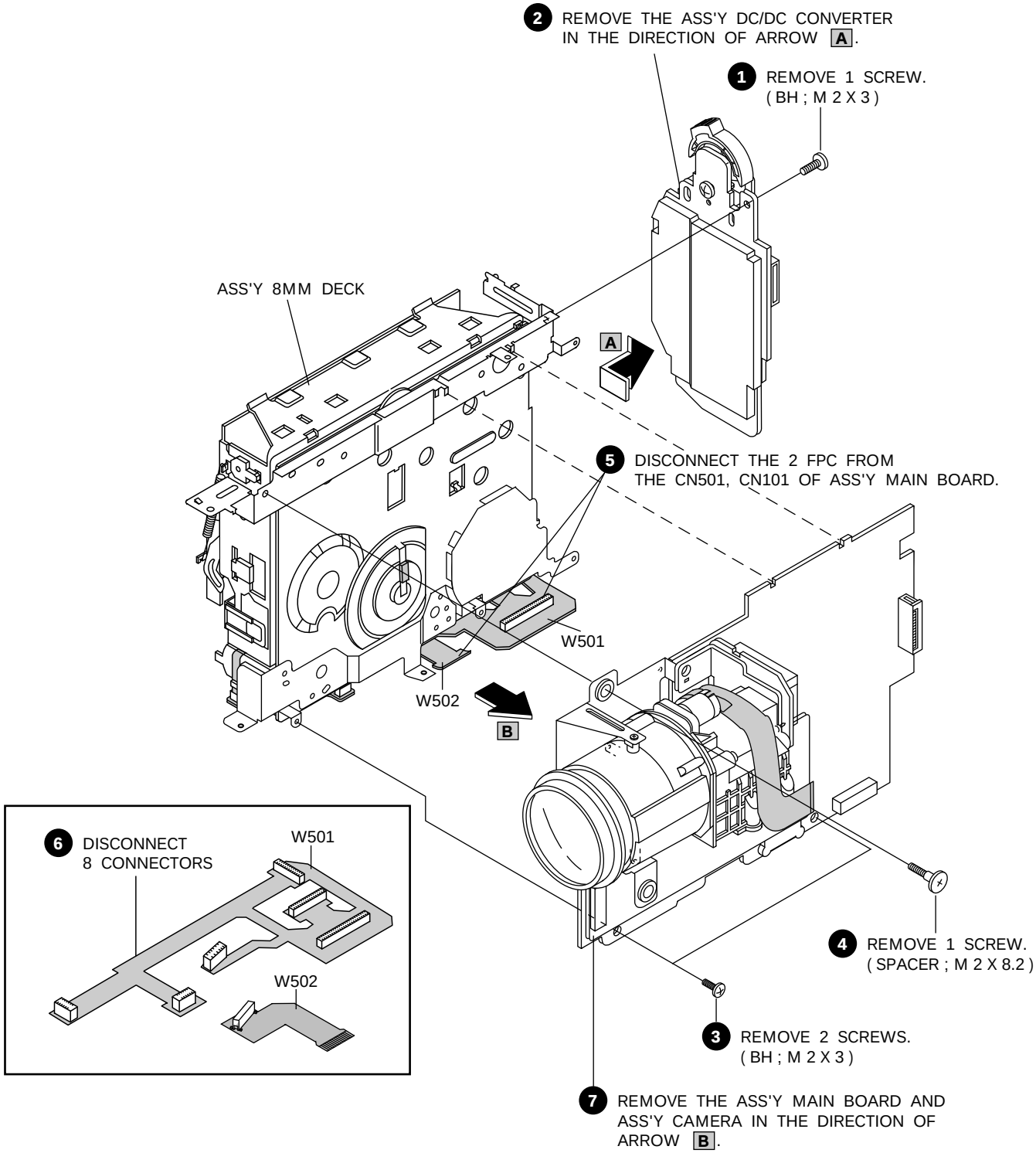


Fig. 4-9 Ass'y 8mm Deck, Ass'y Main Board and DC/DC Converter Removal

4-1-10 Ass'y Main Board and Ass'y Camera Removal

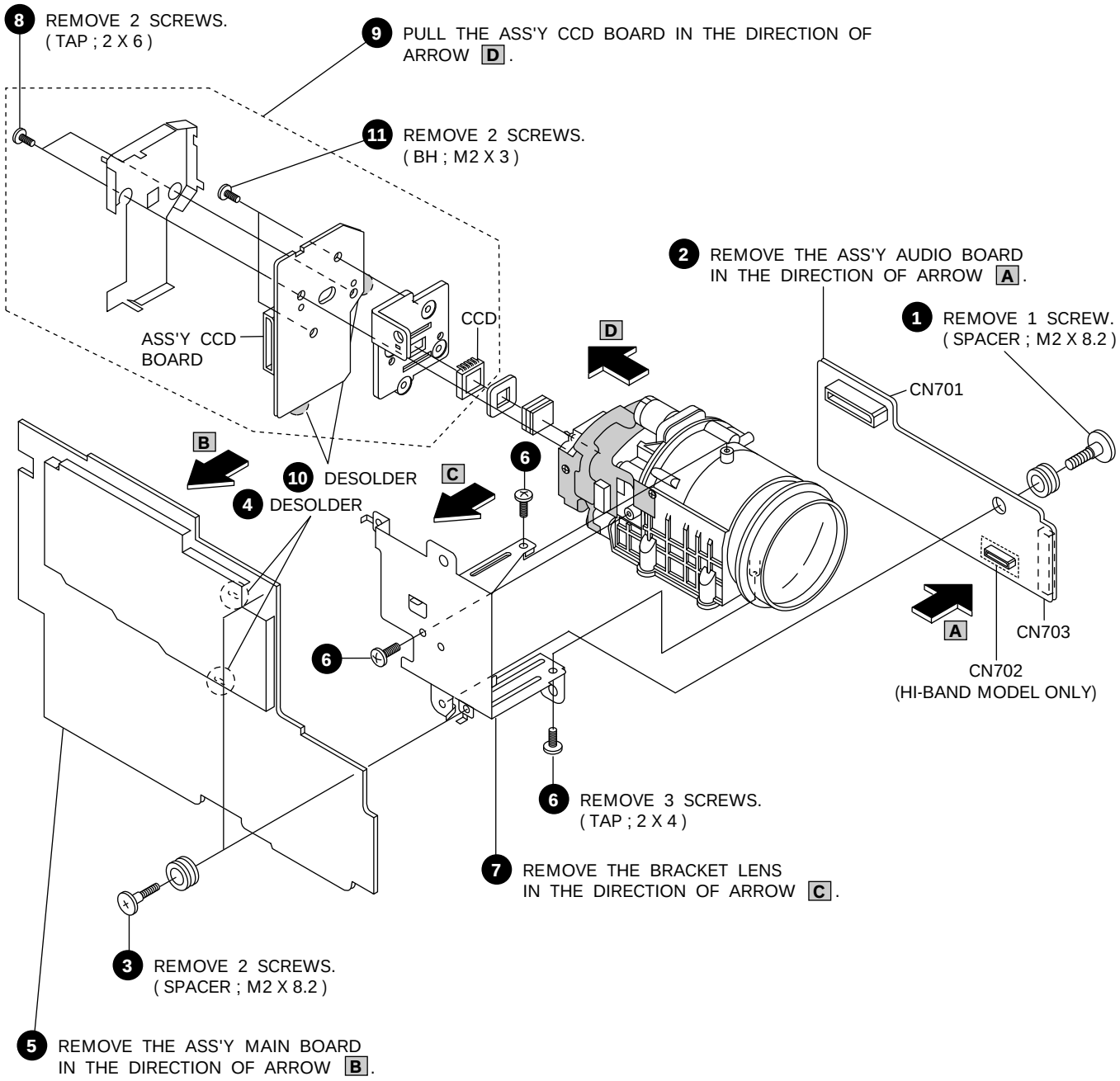


Fig. 4-10 Ass'y Main Board and Ass'y Camera Removal

4-1-11 Ass'y EVF Removal

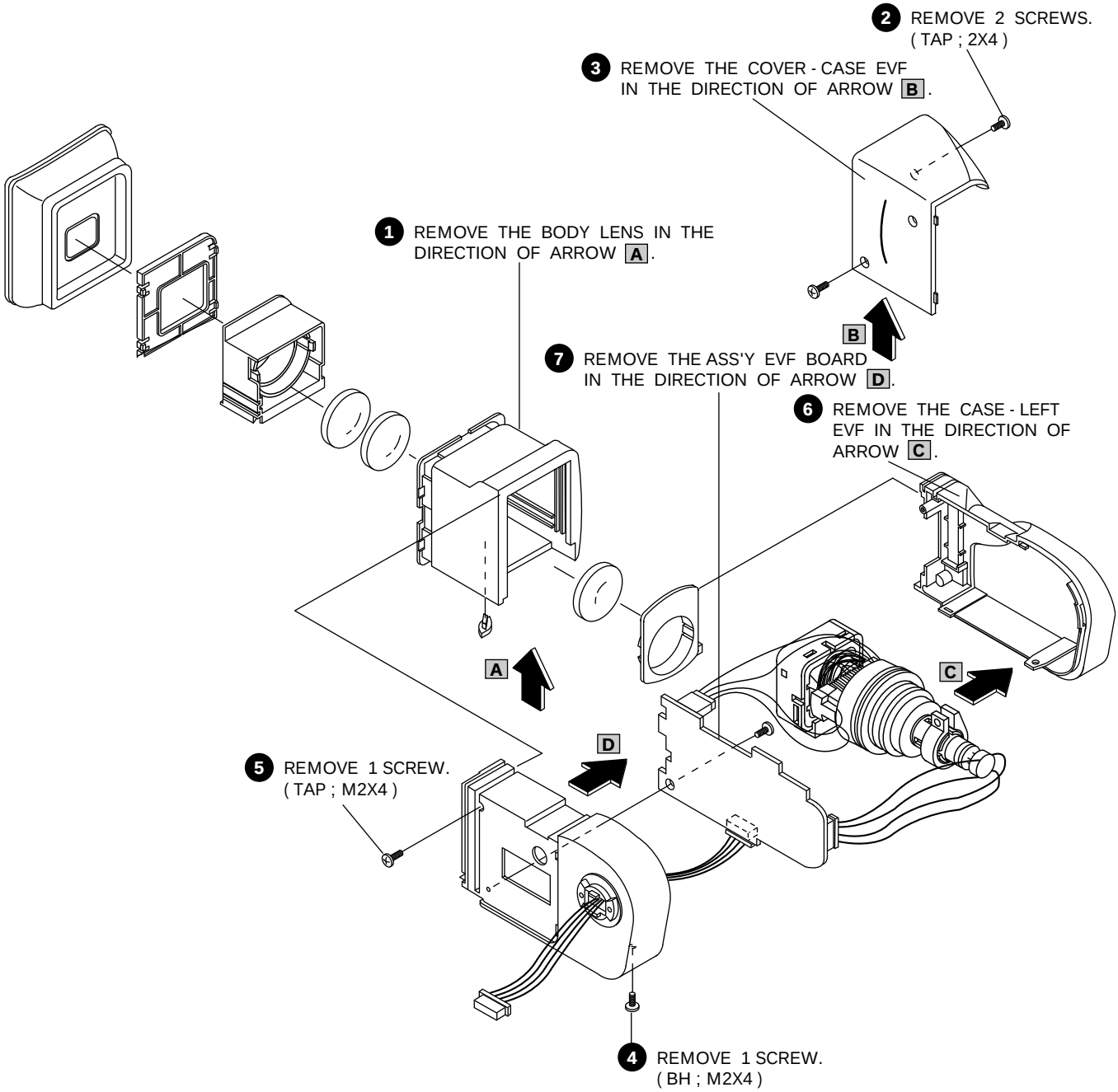


Fig. 4-11 Ass'y EVF Removal

4-1-12 Ass'y CVF Removal

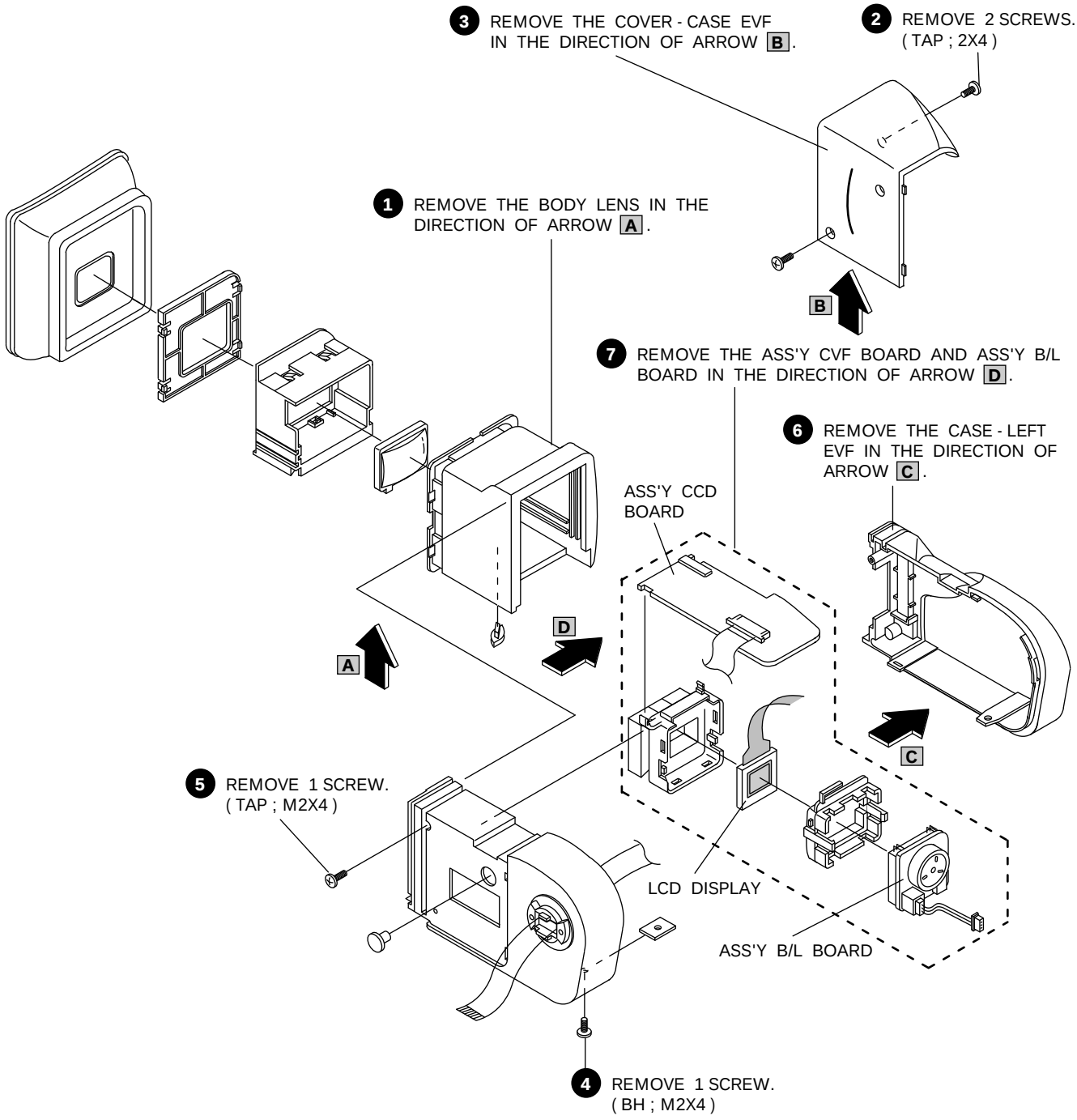


Fig. 4-12 Ass'y CVF Removal

4-2 Circuit Boards Location

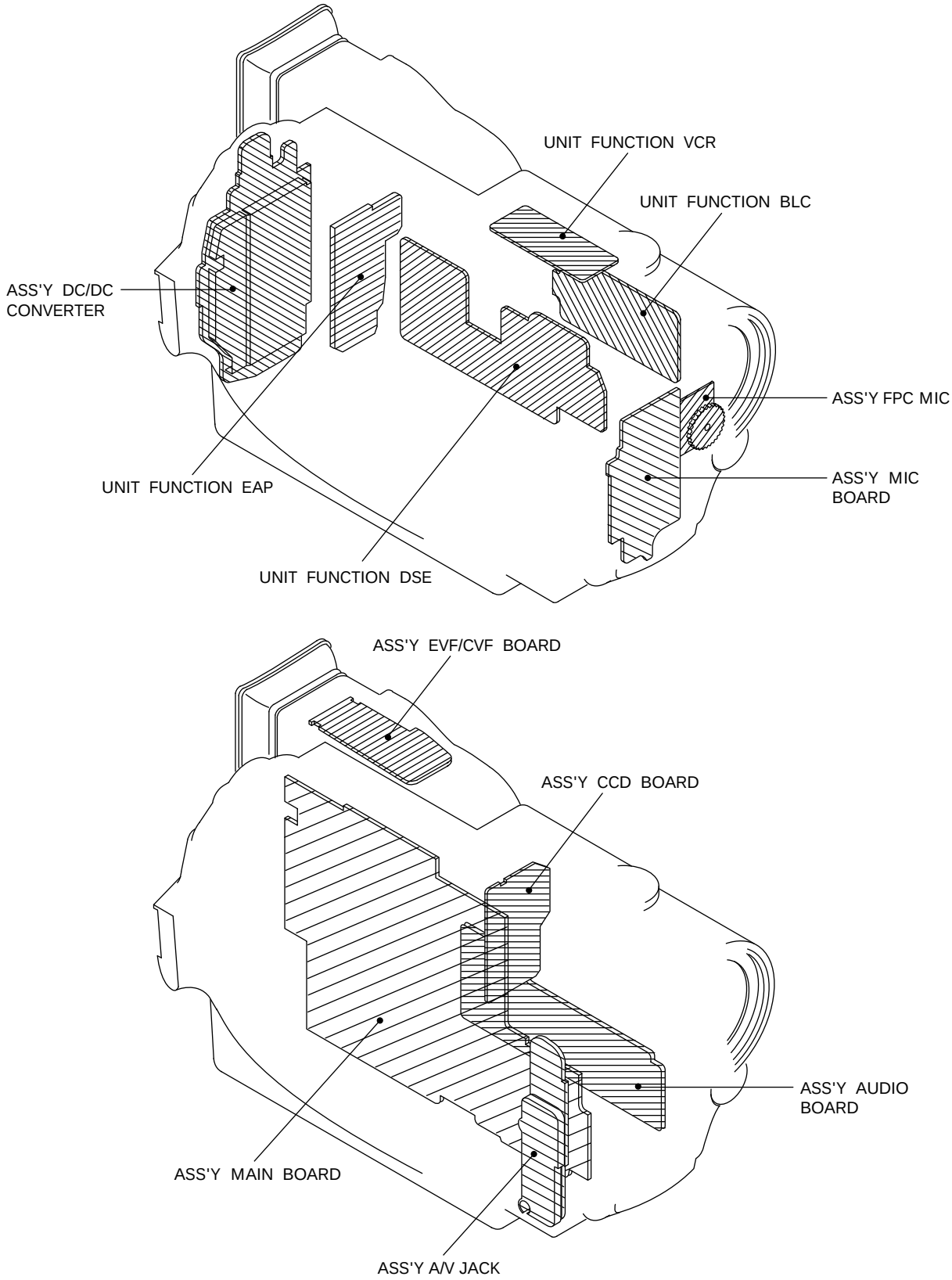
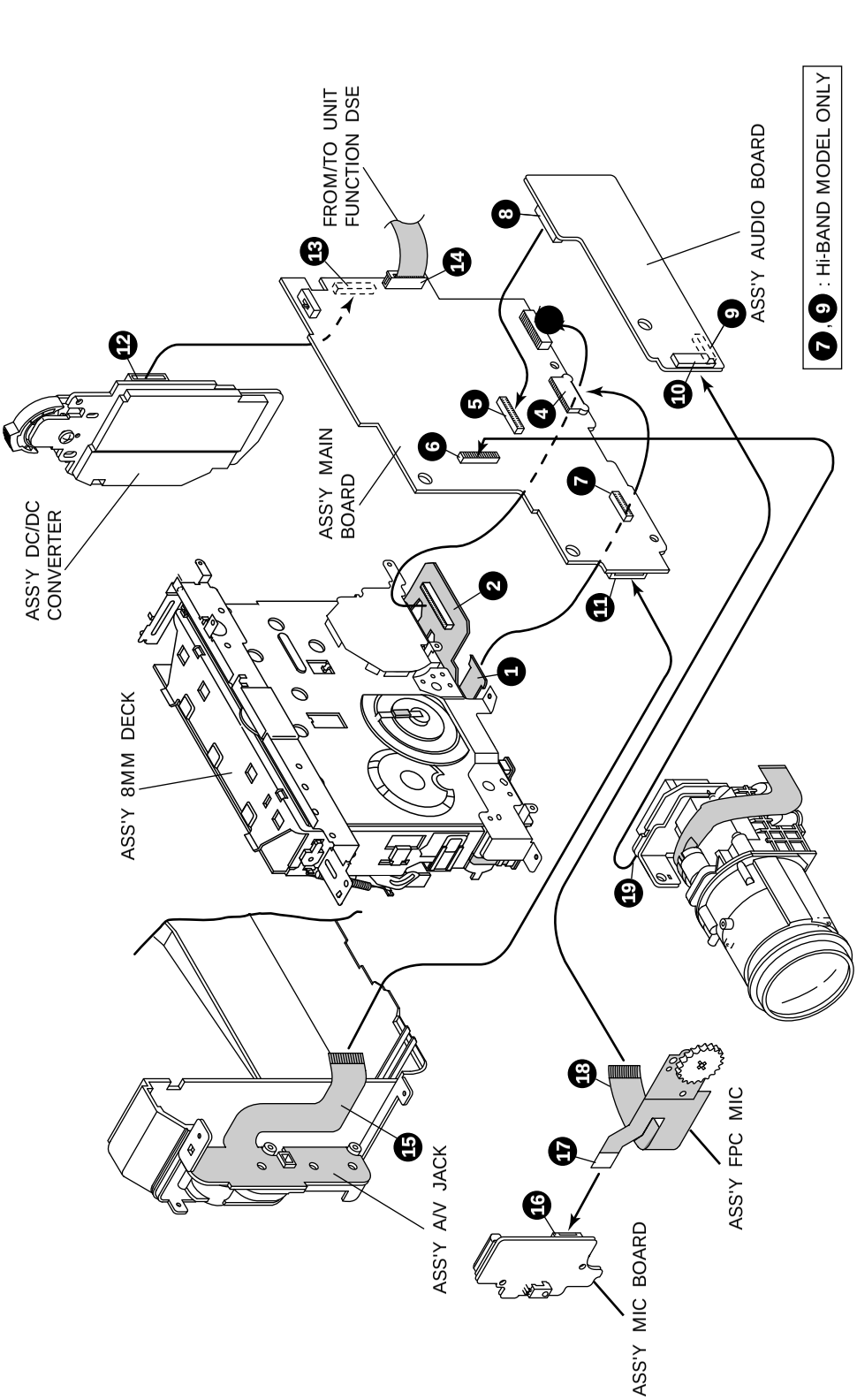


Fig. 4-13 Circuit Boards Location

4-3 Connector Diagrams

4-3-1 Diagram(1)

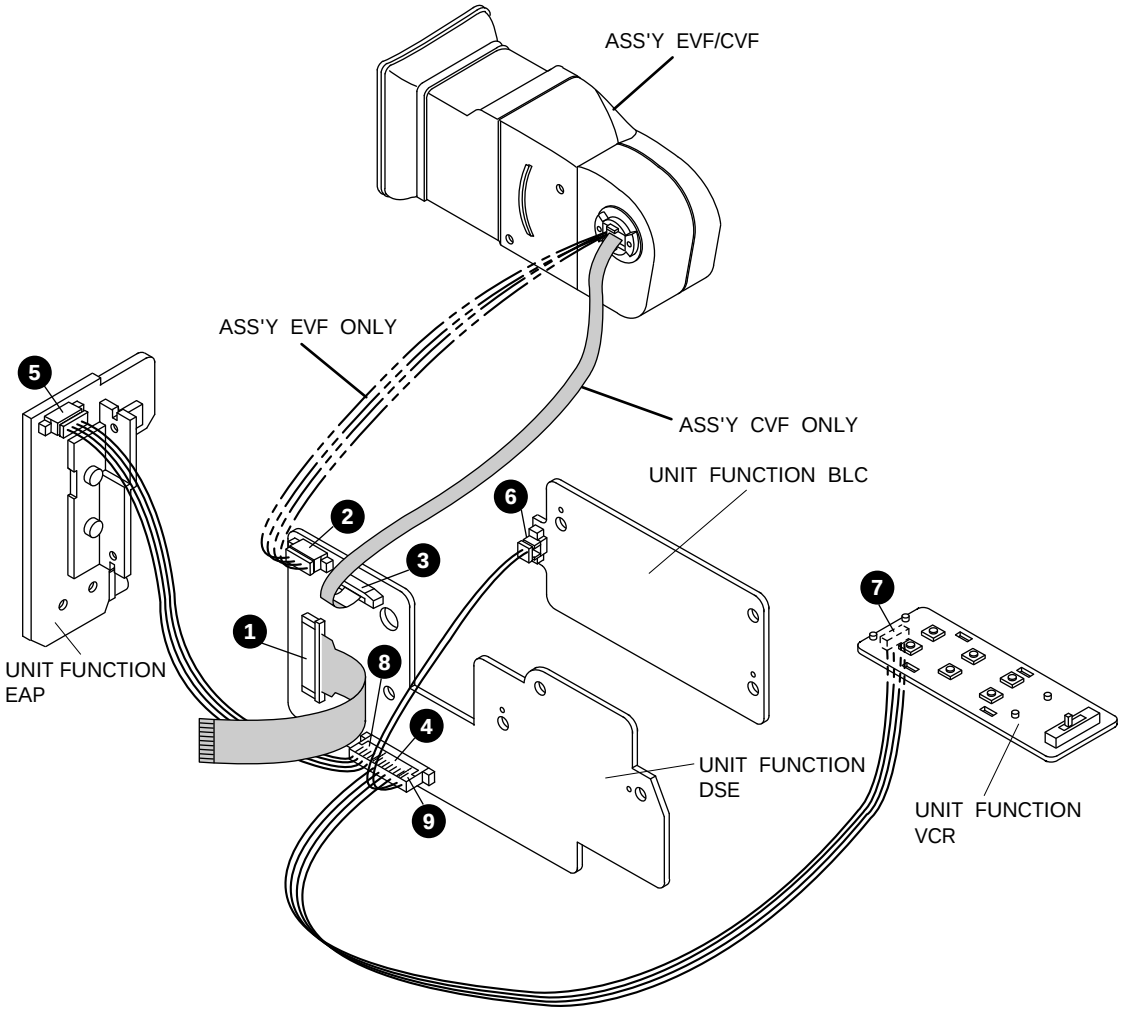


NO	CONN.WAFER LOCA-NO	DIRECTION	CONN.WAFER LOCA-NO
1	W502	FROM/TO ASS'Y MAIN BOARD	CN101
3	CN501	FROM/TO ASS'Y 8MM DECK	W501
5	CN203	ASS'Y MAIN BOARD ◀▬▶ ASS'Y AUDIO BOARD	CN701
7	CN202	ASS'Y MAIN BOARD ◀▬▶ ASS'Y AUDIO BOARD	CN703
9	CN703	ASS'Y AUDIO BOARD ◀▬▶ ASS'Y MAIN BOARD	CN202
11	CN201	ASS'Y MAIN BOARD ◀▬▶ ASS'Y AV JACK	-
13	CN503	ASS'Y MAIN BOARD ◀▬▶ ASS'Y DC/DC CONVERTER	CN901
15	-	ASS'Y AV JACK ◀▬▶ ASS'Y MAIN BOARD	CN201
17	-	FROM/TO ASS'Y MIC BOARD	CN761
19	CND01	ASS'Y CCD BOARD ◀▬▶ ASS'Y MAIN BOARD	CNP01

NO	CONN.WAFER LOCA-NO	DIRECTION	CONN.WAFER LOCA-NO
2	W501	FROM/TO ASS'Y MAIN BOARD	CN501
4	CN101	FROM/TO ASS'Y 8MM DECK	W502
6	CNP01	ASS'Y MAIN BOARD ◀▬▶ ASS'Y CCD BOARD	CND02
8	CN701	ASS'Y AUDIO BOARD ◀▬▶ ASS'Y MAIN BOARD	CN203
10	CN702	ASS'Y AUDIO BOARD ◀▬▶ ASS'Y FPC MIC	-
12	CN901	ASS'Y DC/DC CONVERTER ◀▬▶ ASS'Y MAIN BOARD	CN503
14	CN502	ASS'Y MAIN BOARD ◀▬▶ UNIT FUNCTION DSE	CN805
16	CN761	FROM/TO ASS'Y FPC MIC	-
18	-	ASS'Y FPC MIC ◀▬▶ ASS'Y AUDIO BOARD	CN702

Fig. 4-13 Circuit Boards Location

4-3-2 Diagram(2)



NO	CONN.WAFER LOCA-NO	DIRECTION	CONN.WAFER LOCA-NO
1	CN805	UNIT FUNCTION DSE◄►ASS'Y MAIN BOARD	CN502
2	CN804	UNIT FUNCTION DSE◄►ASS'Y EVF	-
3	CN807	UNIT FUNCTION DSE◄►ASS'Y CVF	-
4	CN806	UNIT FUNCTION DSE◄►UNIT FUNCTION VCR	CN801
5	CN808	UNIT FUNCTION EAP◄►UNIT FUNCTION DSE	CN806
6	CN802	UNIT FUNCTION BLC◄►UNIT FUNCTION DSE	CN806
7	CN801	UNIT FUNCTION VCR◄►UNIT FUNCTION DSE	CN806
8	CN806	UNIT FUNCTION DSE◄►UNIT FUNCTION EAP	CN808
9	CN806	UNIT FUNCTION DSE◄►UNIT FUNCTION BLC	CN802

MEMO

5. Alignment and Adjustment

5-1 Mechanical Adjustment

1. Refer to mechanical manual "DE-6 (AD68-30200A)" for the adjustment and checks of mechanism section.

2. The location of test point.

Test Point :
PB RF - Pin 23 of CTP01
Head Switching Trigger - Pin 19 of CTP01

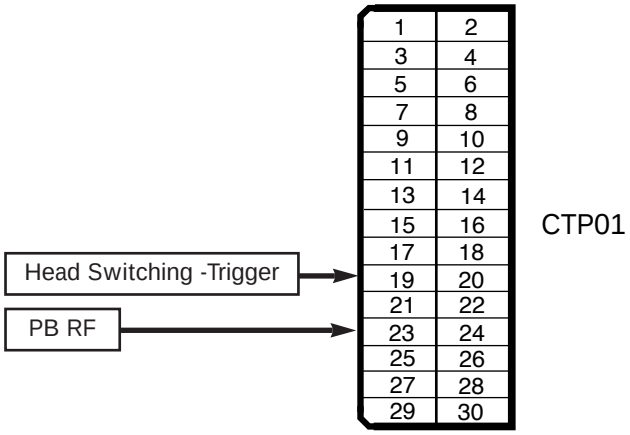
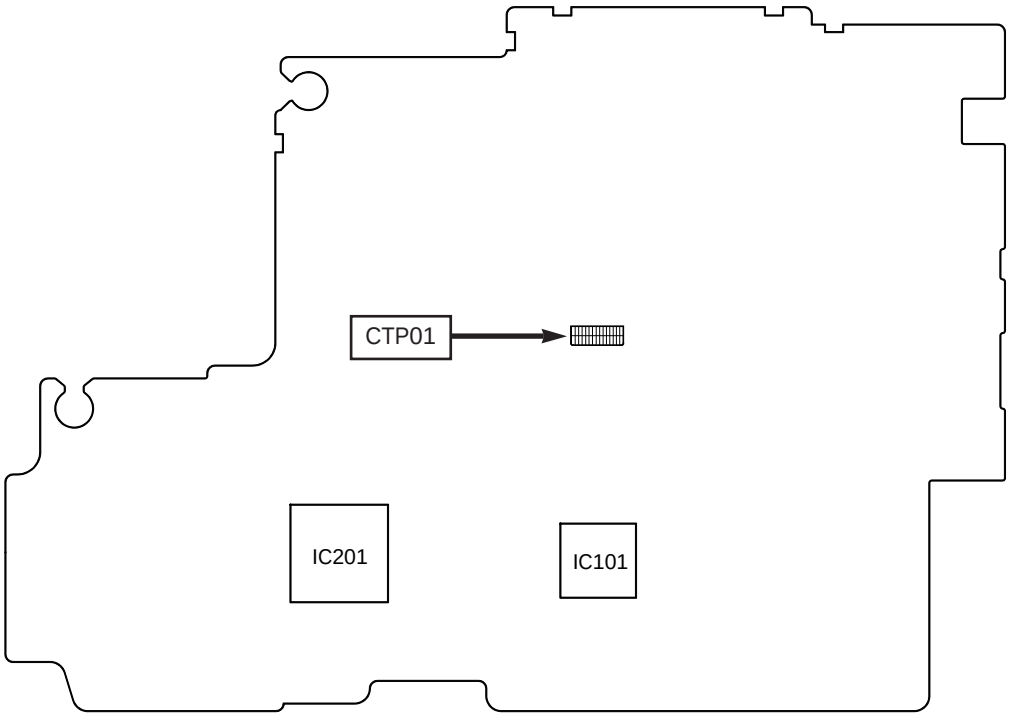


Fig. 1



Main PCB (Component side)

Fig. 2 The location of test point

5-2 Camera Section Adjustment

Notes : This camera system uses
1. EVR (Electronic Variable Resistor) control method by MICOM(ICC04) (instead of VR control).
2. EEPROM to store the confirmed adjustment data.
3. DSP (Digital Signal Process : ICP04 - Main board). This chip process the camera signal.
4. One test point for frequency adjustment of the DSP main clock (P. CLK).
5. Special mode for camera adjustment using remote control card.
   Readjustment is needed when the DC/DC board is removed from Main board.
6. Readjustment is needed when the EEPROM (ICC05 of Main board) is replaced.
   (The EEPROM stores confirmed adjustment values for each adjustment step.)
   Except DC/DC board, all adjustment steps of the VCR section should be performed using the remote control card.
7. Since OSD appears not on the TV screen but on EVF, perform the adjustment using the EVF.
   Be sure to perform the adjustment under installing camera assy with the unit because remote module is on MF board.

5-2-1 Preparation

1. Equipment :

1) DC Power supply
2) Oscilloscope
3) Frequency counter
4) Vectorscope
5) Waveform monitor
6) Colour monitor or TV
7) Various charts
   - Color bar chart
   - Gray-scale chart, etc...
8) Alignment tape (Lion pattern)
9) Remote control card

2. Composition of camera PCBoards

1) Main PCB 2) CCD PCB
4) EVF PCB (VP-A50/VP-A55)
5) CVF PCB (VP-A52/VP-A57)

3. Adjustment preparation

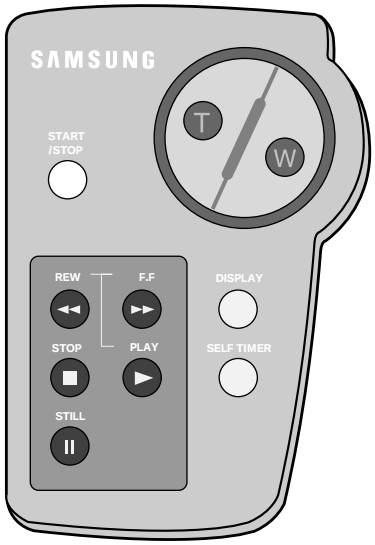
1) Remote control card is used as a camera adjust tool.
2) Press the confirm button when each manual adjustment step is completed to write the adjustment data to the EEPROM.
3) To cancel the adjustment mode, remove the power source.

4. Remote Control Operation :

Using Button	Adjustment
STOP (CONFIRM)	Data store after finishing adjustment by DATA UP/DOWN button.
STILL (DATA DOWN) PLAY (DATA UP)	When changing data value of adjust state.
FF (MODE UP) REW (MODE DOWN)	Mode change.
ZOOM (WIDE) (TELE)	Used for manual focus adjustment.

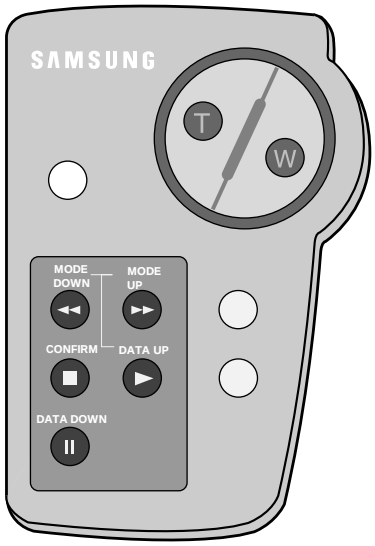
The accessory Remote-Control Card (Part Number : AD59-10379A) is used to control the camcorder. It is also used for adjustment of the camera section.

Remote for camcorder
Adjust for jig (Part No. : AD59-10379A)



Reassignment in the adjustment mode

Button placement when remote is used for service adjustment.



Note : In service adjustment mode, button names are differ from those in customer camera function control mode. EX : "STOP" button is the same as "CONFIRM".

5. Service "**ADJUST**" mode

STEP 1

1. Remove the lithium battery from the camcorder.
2. Connect the power source (battery/ DC cable).
3. Eject the tape if it is in the unit.
4. Set the power switch of the camcorder to "CAMERA" position.
5. Set OSD on state.

STEP 2

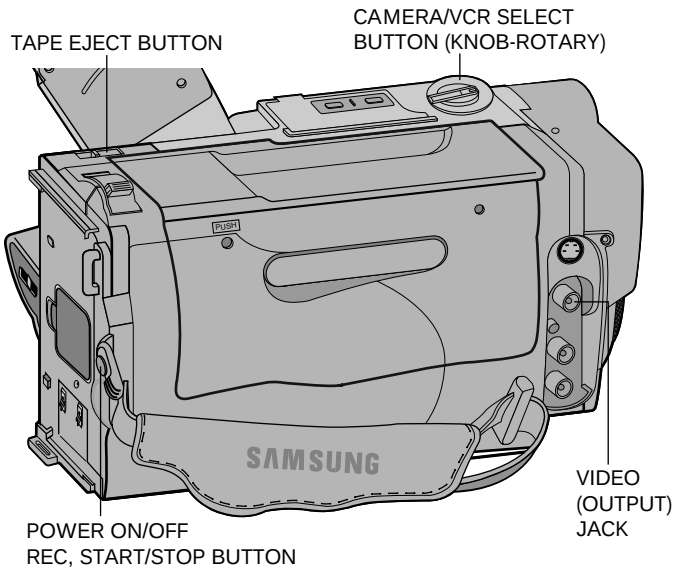
1. Press the "W(WIDE)" button of remote control and hold "TAPE EJECT" button on comcorder for more than 3 seconds.

0 : 00 : 00

CONFIRM !
AFDISP
ADDR : AB
DT1 : XX DT2 : XX

B & W

<Example of the TV screen>

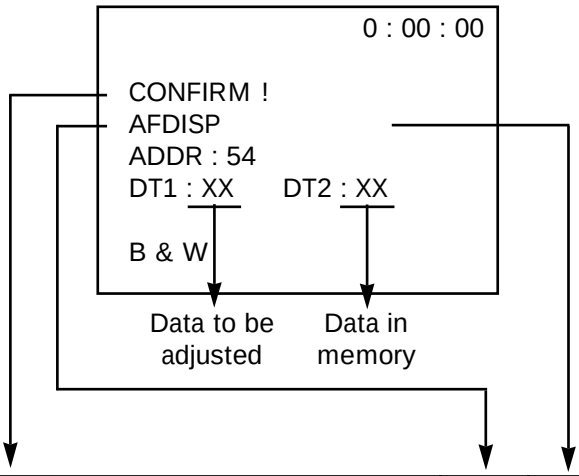


When the on screen display shows "ADDR:AB DT1:00 DT2:00" CAMERA ADJUSTMENT mode has successfully been activated.

Note : "XX XX" indicates variable values.

6. Initial data (camera adjustment)
During camera adjustment, the OSD displays the following :

<Example of the TV screen>



Note : "Data 1" is cuarent adjustment setting hanges during adjustment mode), "Data 2" is previous setting in memory .
After pressing "STOP (Confirm)", it is stored in memory.

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
00	NC	4E	4E
01	A/D OFFSET ADJUST DATA	-	-
02	IRIS REF	D0	D0
03	HALL REF	80	80
04	HALL GAIN	6A	6A
05	IRIS HIGH	24	24
06	IRIS LOW	00	00
07	P. CLK(14.1875 MHz)	40	40
08	AGC LOW	3B	3B
09	AGC HIGH	00	00
0A	BURST GAIN ADJUST	25	25
0B	SYNC LEVEL ADJUST	35	35
0C	TG MODE	82	82
0D	SUHTTER LSB	00	00
0E	SHUTTER MSB	00	00
0F	SHUTTER SELECT	00	00
10	CCD SELECT	06	06
11	DSP SYS. CTRL	3F	3F
12	DSP SYS. CTRL	04	04
13	DEFECT DETECT TIME	12	12
14	DEFECT DETECT START	00	00
15	DEFECT DETECT THRESHOLD	02	02
16	CLP1 PULSE WIDTH	09	09
17	H DELAY LSB	20	20
18	H DELAY MSB	00	00
19	VERTICAL DELAY	08	08
1A	FIELD DELAY	00	00
1B	VERTICAL SYSTEM DELAY	00	00
1C	WKEY	03	03
1D	SSG SELECT	10	10
1E	CAM ADJUST PULSE HORIZANTAL LOCATE	00	00
1F	CHROMA COMB FILTER ADJUST	00	00
20	Y SIGNAL COMB FILTER ADJUST	03	03
21	VCR MODE SELECT	02	02
22	Y DROP OUT	00	00
23	Y THRESHOLD LEVEL ADJUST	06	06
24	CHROMA COMB LIMITTER CONTROL	00	00
25	BURST ON/OFF CONTROL	00	00
26	CHROMA . MOD. CONTROL ON/OFF	00	00
27	LINEAR MATRIX CONTROL AREA	00	00
28	BLACK LEVEL SET (S1)	00	00
29	BLACK LEVEL SET (S2)	00	00
2A	V/H APERTURE GAIN	0A	0A
2B	V/H APERTURE SLICE LEVEL	05	05
2C	B CONTROL	49	49
2D	R CONTROL	3B	3B
2E	G CONTROL	33	33
2F	B-Y GAIN MINUS	22	22
30	B-Y HUE MINUS	07	07
31	R-Y HUE MINUS	FC	FC
32	R-Y GAIN MINUS	41	41
33	B-Y GAIN PLUS	26	26
34	B-Y HUE PLUS	F3	F3
35	R-Y HUE PLUS	08	08
36	R-Y GAIN PLUS	3A	3A
37	SETUP	00	00
38	WHITE CLIP	01	01
39	DIGITER ENHANCER	02	02
3A	Y SIGNAL DELAY	0A	0A
3B	H APERTURE HIGH FREQ. GAIN	02	02
3C	H APERTURE LOW FREQ. GAIN	01	01
3D	V APERTURE SLICE CONTROL	01	01
3E	V APERTURE HIGH LUMI. LIMIT	01	01
3F	V APERTURE GAIN	08	08
40	r AFTER APERTURE GAIN	00	00
41	r AFTER APERTURE SLICE	02	02
42	r AFTER APERTURE CTRL LIMIT	01	01
43	C DELAY	05	05
44	BURST LEVEL	10	10
45	RED COLOR SEPERATION MATRIX (RMATC)	C0	C0
46	RED COLOR SEPERATION MATRIX (RMATY)	40	40
47	BLUE COLOR SEPERATION MATRIX (BMATC)	C0	C0
48	BLUE COLOR SEPERATION MATRIX (BMATY)	40	40
49	FADE OUT LEVEL SET	00	00
4A	V. DIRECT CHROMA SUPPRESS	00	00
4B	Y SIGNAL GAIN	FF	FF
4C	SPOT CONTROL	04	04
4D	AE DET. AREA H START	1F	1F
4E	AE DET. AREA H WIDTH	0C	0C
4F	HYST INTEGRAL REF. SET	40	40
50	DET. AREA OUTPUT CONTROL	06	06
51	AWB MODE SET	00	00
52	AWB DET. AREA H START	1F	1F
53	AWB DET. AREA H WIDTH	0C	0C
54	Y INTEGRAL S/LEVEL (MSB)	FF	FF
55	Y INTEGRAL S/LEVEL (LSB)	00	00
56	MOSAIC H SIZE	34	34
57	MOSAIC ENABLE	00	00
58	SEPIA	00	00
59	MOSAIC V SIZE	3C	3C
5A	NEGA/POSI ON/OFF	00	00
5B	SOLARI CTRL ON/OFF	00	00
5C	AFD(CXD2418R) WORD00	00	00
5D	AFD(CXD2418R) WORD01	28	28

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
5E	AFD(CXD2418R) WORD02	30	30
5F	AFD(CXD2418R) WORD03	19	19
60	AFD(CXD2418R) WORD04	11	11
61	VFD(CXD2418R) WORD11	D2	D2
62	AFD(CXD2418R) WORD12	96	96
63	AFD(CXD2418R) WORD13	D2	D2
64	AFD(CXD2418R) WORD14	A4	A4
65	AFD(CXD2418R) WORD15	EE	EE
66	D. ZOOM SPEED 0	01	01
67	D. ZOOM SPEED 1	02	02
68	D. ZOOM SPEED 2	03	03
69	D. ZOOM SPEED 3	04	04
6A	MIRROR POINT L LOW OFF	6A	6A
6B	MIRROR POINT H HIGH OFF	03	03
6C	MODEL	57	57
6D	MIRROR POINT H HIGH ON	01	01
6E	V REF C	5E	5E
6F	V DELAY	04	04
70	CLP1 PULSE WIDTH	0A	0A
71	SPOT AE TARGET	03	03
72	OUTDOOR DETECT	50	50
73	W/B TARGET	00	00
74	AE TARGET (AGC CTRL TIME)	C0	C0
75	AGC AE DEFFERANCE	01	01
76	R-Y GAIN MINUS PERCENT	78	78
77	B-Y GAIN MINUS PERCENT	78	78
78	3100°K B CTRL	-	-
79	3100°K R CTRL	-	-
7A	DET BOUND 3100°K B “L”	55	55
7B	DET BOUND 3100°K B “H”	0A	0A
7C	DET BOUND 3100°K R “L”	66	66
7D	DET BOUND 3100°K R “H”	1A	1A
7E	5100°K B ctrl	-	-
7F	5100°K R ctrl	-	-
80	DET BOUND 5100°K B “L”	55	55
81	DET BOUND 5100°K B “H”	11	11
82	DET BOUND 5100°K R “L”	AA	AA
83	DET BOUND 5100°K R “H”	10	10
84		06	06
85	Y UP (TOP) LIMIT	80	80
86	DET MARGINE 3100°K B “L”	00	00
87	DET MARGINE 3100°K B “H”	02	02
88	DET MARGINE 5100°K R “L”	00	00
89	DET MARGINE 5100°K R “H”	02	02
8A	BLUE OUTDOOR BOTTOM (HALL)	35	35
8B	RED OUTDOOR TOP (HALL)	49	49
8C	W/B TARGET B (8Oh CENTOR)	7C	7C
8D	W/B TARGET R (8Oh CENTOR)	7C	7C
8E	V REF Y	33	33
8F	LENS ADJUST TIME IRIS TARGET	80	80
90		-	-
91	SET UP CTRL (AGC)	07	07
92	CHROMA SUPPRESS CTRL (AGC)	40	40
93	HALL SPEC	FF	FF
94	PCB ZOOM “L”	00	00
95	PCB ZOOM “H”	80	80
96	PCB FOCUS “L”	00	00
97	PCB FOCUS “H”	82	82
98	AWB AUTO ADJUST	-	-
99	A/D OFFSET AUTO ADJUST	-	-
9A	A/D OFFSET MARGIN MAX(LSB)	10	10

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
9B	A/D OFFSET MARGIN MAX(MSB)	00	00
9C	A/D OFFSET MARGIN MIN(LSB)	1E	1E
9D	A/D OFFSET MARGIN MIN(MSB)	01	01
9E	AE TARGET PER. (AGC ADJUST TIME)	50	50
9F	AGE AUTO ADJUST	-	-
A0	FOCUS DETECT SPEC (D3)	A3	A3
A1	FOCUS DETECT SPEC (D8)	A3	A3
A2	ZOOM LOW (D7)	FA	FA
A3	ZOOM HIGH (D7)	A5	A5
A4	FOCUS LOW (D7)	97	97
A5	FOCUS HIGH (D7)	89	89
A6	IRIS P GAIN	08	08
A7	IRIS I GAIN	86	86
A8	IRIS D GAIN	0B	0B
A9		87	87
AA		07	07
AB	LENS AUTO ADJUST	-	-
AC	FOCUS PULSE ADJUST LOW	72	72
AD	FOCUS PULSE ADJUST HIGH	82	82
AE	ZOOM PULSE ADJUST LOW	CD	CD
BF	ZOOM PULSE ADJUST HIGH	A3	A3
B0	ZOOM WIDTH ADJUST LOW	29	29
B1	ZOOM WIDTH ADJUST HIGH	00	00
B2	IRIS AUTO ADJUST	-	-
B3	IRIS CTRL DATA (HALL CLOSE)	E6	E6
B4	IRIS CTRL DATA (HALL OPEN)	24	24
B5	HALL AUTO ADJUST	-	-
B6	HALL GAIN START VALUE	6F	6F
B7	HALL VALUE AT IRIS OPEN	E4	E4
B8	HALL VALUE AT IRIS CLOSE	14	14
B9	AE TARGET ADJUST	-	-
BA	AE TARGET LOW BYTE	58	58
BB	AE TARGET HIGH BYTE	09	09
BC	AGC MIN. VALUE	3B	3B
BD	AGC MAX. VALUE	D0	D0
BE	AGC START VALUE	CC	CC
BF	AE TARGET (BLC ON TIME)	09	09
C0		-	-
C1			
C2			
C3			
C4			
C5			
C6			
C7			
C8			
C9			
CA			
CB			
CC			
CD			
CE	CVF ADJUST MODE		
CF	CVF INITIAL		
D0	FOCUS ADJUST		
D1	HALL DETECT		
D2	AGC DETECT		
D3	FUCUS DETECT		
D4	GYRO H SENSOR DETECT		
D5	GYRO V SENSOR DETECT		
D6			
D7			

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
D8	FOCUS DETECT (A1)		
D9	COLOR ADJUST		
DA			
DB			
DC			
DD			
DE			
DF			
E0	IRIS SPEED 1	08	08
E1	IRIS SPEED 2	10	10
E2	IRIS SPEED 3	10	10
E3	IRIS SPEED 4	10	10
E4	IRIS SPEED 5	10	10
E5	IRIS SPEED 6	10	10
E6	IRIS SPEED 7	10	10
E7	IRIS SPEED 8	18	18
E8	IRIS SPEED 9	30	30
E9	IRIS SPEED 10	80	80
EA	IRIS SPEED 11	FF	FF
EB	IRIS SPEED 12	FF	FF
EC	IRIS SPEED 13	FF	FF
ED	IRIS SPEED 14	FF	FF
EE	IRIS SPEED 15	FF	FF
EF	IRIS SPEED 16	FF	FF
F0	IRIS SPEED 17	40	40
F1	IRIS SPEED 18	40	40
F2	IRIS SPEED 19	40	40
F3	IRIS SPEED 20	40	40
F4	IRIS SPEED 21	40	40
F5	IRIS SPEED 22	3F	3F
F6	IRIS SPEED 23	38	38
F7	IRIS SPEED 24	30	30
F8	IRIS SPEED 25	28	28
F9	IRIS SPEED 26	20	20
FA	IRIS SPEED 27	18	18
FB	IRIS SPEED 28	10	10
FC	IRIS SPEED 29	10	10
FD	IRIS SPEED 30	10	10
FE	IRIS SPEED 31	10	10
FF	IRIS SPEED 32	10	10

Note 1: "XX XX" indicates variable values.

Initial data by models.

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2	MODELS
0C	TG MODE	82	82	VP-A52, VP-A55, VP-A57
		02	02	VP-A50
11	DSP SYS. CTRL	3F	3F	VP-A52, VP-A55, VP-A57
		27	27	VP-A50
6C	MODEL	57	57	VP-A57
		55	55	VP-A55
		52	52	VP-A52
		50	50	VP-A50

5-2-2 Camera System Adjustment

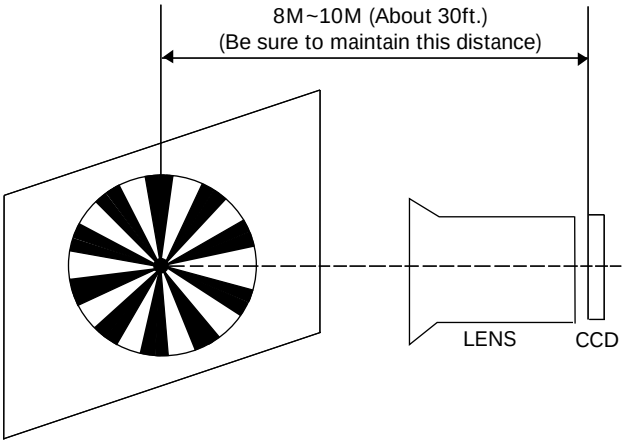
Note : From this point forward, the structure of every adjustment is as follows.

Step	Adjustment Item
1. Mode and input signal/ alignment tape 2. Test point and ADJ. part 3. Result and Remarks	ADJ. part → Test point

1. Focus to zoom tracking

Note : To maintain proper focus throughout the zoom range, the focus lens position must be changed as the zoom lens is moved. During this adjustment the microprocessor will measure the focus positioning requirements at the wide and telephoto positions of the zoom lens.

1) Camera "E-E".
2) Focus chart (Attached to the last page of this manual) and EVR.
3) Aim the camera at the focus chart, which should be placed about 30ft. (8 to 10 meters) away and perpendicular to the center of the lens. The chart should be placed on a gray or white wall.
4) Connect monitor TV jack to video(output) jack.
5) Press the "F.F (MODE UP)" and "REW (MODE DOWN)" button, so that the OSD start is "ADDR:AB DT1:XX DT:2XX".
6) Press "STOP (CONFIRM)" button for full auto adjustment. The camera will move both zoom and focus lens. The adjustment is finished when the DT1 and DT2 become same.



Note : "XX XX" indicates variable values.

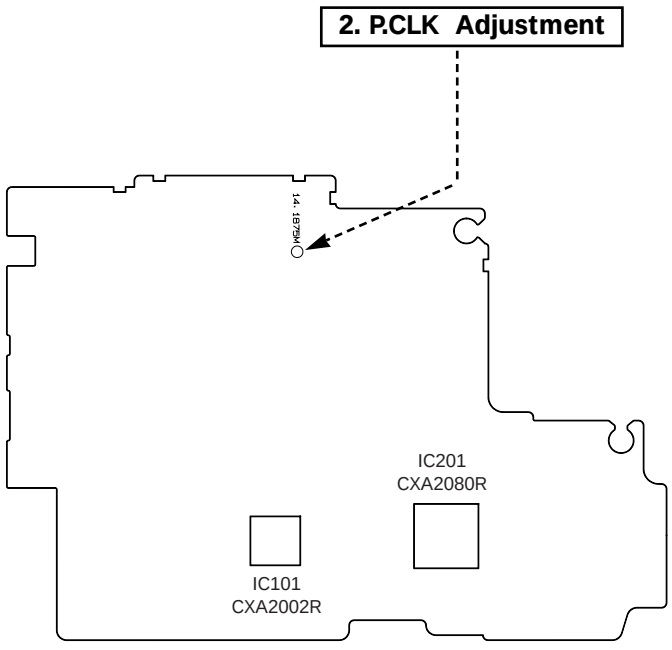
```
                              0 : 00 : 00

CONFIRM !
AFDISP
ADDR : 54
DT1 : XX      DT2 : XX

B & W
```

2. P. CLK Adjustment

1) "Camera", no signal input.
2) 14.1875M(TP) and EVR.
3) Video(output) jack and EVR.
4) Connent a frequency counter to 14.1875M(TP).
5) Press the "F.F(MODE UP)/REW(MODE DOWN)" button so that the OSD state is "ADDR:07 DT1:XX DT2:XX".
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the frequency is 14.1875MHz ± 100Hz.
7) Press the "STOP(CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



Main PCB (Conductor side)

3. Auto hall

1) Camera “E-E”, no signal input.
2) Video(output) jack and EVR.
3) Connect monitor TV to video output jack.
4) Press the “F.F (MODE UP)/REW (MODE DOWN)” button so that the OSD state is “ADDR:B5 DT1:XX DT2:XX”.
5) Press “STOP (CONFIRM)” button.
6) The microprocessor is enabled :
   a. IRIS closed, FINDS HALL minimum value,
   b. IRIS open, FINDS HALL maximum value,
   c. Store data to mode “03”(HALL REF) by using the a, b.
   d. Store data to mode “04” (HALL GAIN).
   e. After IRIS is closed, confirm the FINDS HALL minimum value.
7) “DT1:00” changes to “DT1:24”.

4. IRIS Adjustment

1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Connect video output jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the “F.F (MODE UP)/REW (MODE DOWN)” button so that the OSD state is “ADDR:B2 DT1:XX DT2:XX”.
5) Aim the camera at a gray-scale chart (evenly illuminated at 1500 to 2000 lux - At 40us).
6) Press the “STOP (CONFIRM)” button,
   The microprocesor is enabled :
   - IRIS open, finds the value of the IRIS maximun control : when the value of the hall is maximum.
   - IRIS close, finds the value of the IRIS minimum control : when the value of the hall is minimum.
7) “DT1:00” changes to “DT1:24”.

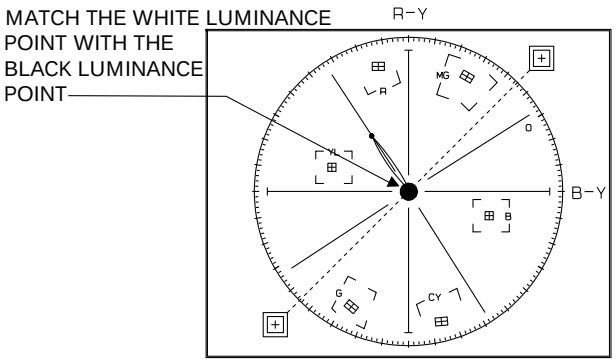
5. Auto AGC control

1) Camera “E-E”, 3100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Connect monitor TV to video output jack.
4) Press the “F.F (MODE UP)/REW (MODE DOWN)” button so that the OSD state is “ADDR:9F DT1:XX DT2:XX”.
5) Aim the camera at a gray-scale chart (evenly illuminated at 1500 to 2000 lux - At least 40us).
6) Press “STOP (CONFIRM)” button.
7) The microprocessor is enabled :
   - Find AGC minimum point data and store to mode BC.
   - Find AGC start point data, and store to mode BE.
7) “DT1:00” changes to “DT1:XX”.

6. Auto white balance

1) Camera “E-E”, 3100°K/5100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Press the “F.F (MODE UP)/REW (MODE DOWN)” button so that the OSD state is “ADDR:98 DT1:XX DT2:XX”.
4) Connect vectorscope input jack to video output jack.

a. W/B Indoor
a-1. Aim the camera at a 3100°K gray-scale chart illuminated at 1500 to 2000 lux. (40us)
a-2. Press “STOP (CONFIRM)” button so that the white vector moves to the center on screen of the vectorscope.

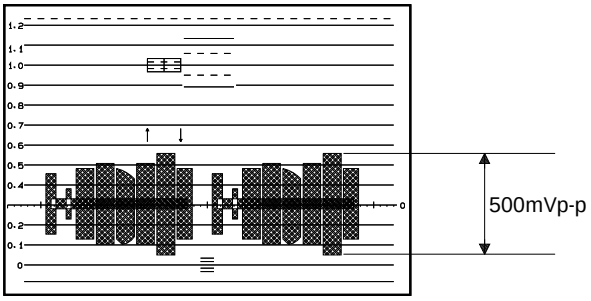


b. W/B Outdoor
b-1. Aim the camera at a 5100°K(or 3100°K and C16 filter) gray-scale chart illuminated at 1500 to 2000 lux. (40us)
b-2. Press “STOP (CONFIRM)” button.

7) “DT1:00” changes to “DT1:XX”.

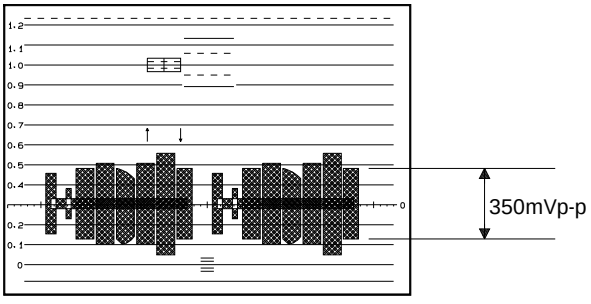
7. R-Y Gainplus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to waveform monitor input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:36 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL(DATA DOWN)" button so that the red level is 500mVp-p ± 35mV.
7) Press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



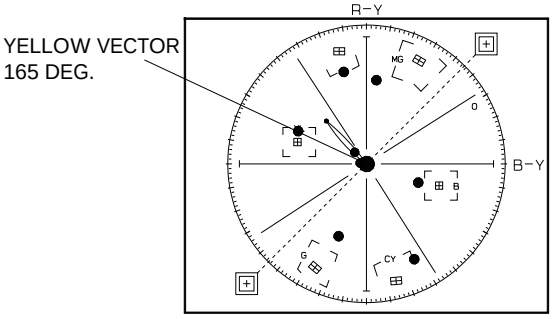
8. B-Y Gainplus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to waveform monitor input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:33 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the blue level is 350mVp-p ± 35mV.
7) Be sure to press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



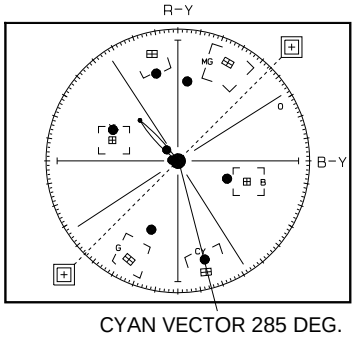
9. R-Y Hue Minus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to vectorscope input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:31 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the yellow vector is 165 ± 10 deg.
7) Press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



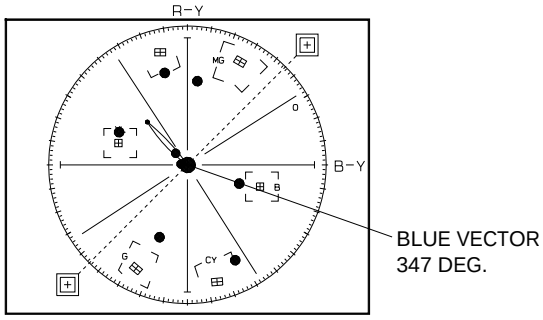
10. B-Y Hue Minus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to vectorscope input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:30 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the cyan vector is 285 ± 10 deg.
7) Press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



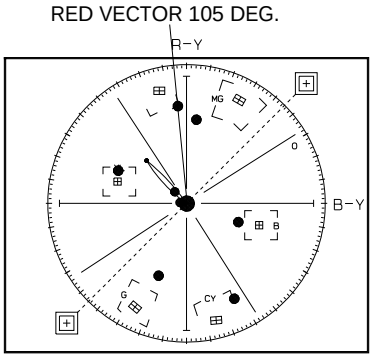
11. R-Y Hue Plus

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to vectorscope input jack and monitor TV jack.
4) Press the “F.F (MODE UP)/REW (MODE DOWN)” button so that the OSD state is “ADDR:35 DT1:XX DT2:XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the “PLAY (DATA UP)/STILL (DATA DOWN)” button so that the blue vector is 347 ± 10 deg.
7) Press the “STOP (CONFIRM)” button to memorize setting.
8) DT1 and DT2 become same.



12. B-Y Hue Plus

1) Camera “E-E”, 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to vectorscope input jack and monitor TV jack.
4) Press the “F.F (MODE UP)/REW (MODE DOWN)” button so that the OSD state is “ADDR:34 DT1:XX DT2:XX”.
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the “PLAY (DATA UP)/STILL (DATA DOWN)” button so that the red vector is 105 ± 10 deg.
7) Press the “STOP (CONFIRM)” button to memorize setting.
8) DT1 and DT2 become same.



5-2-3 EVF Adjustment (VP-A50/VP-A55)

Note : From this point forward, the structure of every adjustment is as follows.

Step	Adjustment Item
1. Mode and input signal/ alignment tape 2. Test point and ADJ. part 3. Result and Remarks	ADJ. point → Test point

1. AFC

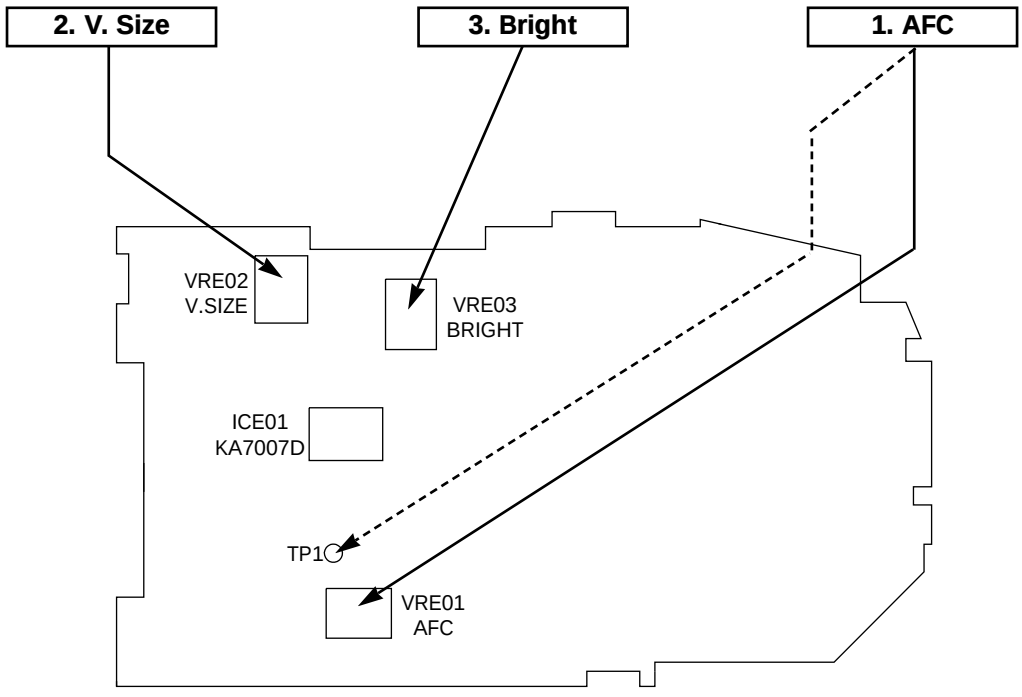
1) VCR "PB", Alignment tape (Lion pattern).
2) TP1 and VRE01.
3) Connect digital voltmeter probe to TP1.
4) Adjust VRE01 so that the voltage is DC 2.5V ± 0.1V.

2. V. Size

1) VCR "PB", Alignment tape (Lion pattern).
2) Viewfinder and VRE02.
3) Adjust VRE02 so that the counter circle on the lion pattern is perfect by round.

3. Bright

1) VCR "PB", Alignment tape (Lion pattern).
2) Viewfinder and VRE03.
3) Adjust the VRE03 so that the 3rd and 4th steps of the lion pattern can be distinguished.



EVF PCB (Component side)

5-2-4 CVF Adjustment (VP-A52/VP-A57)

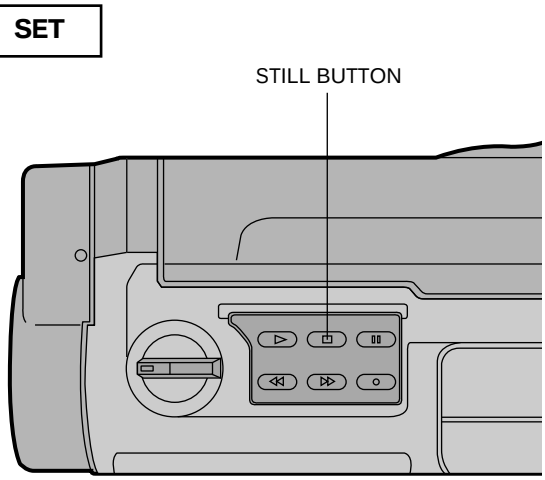
5-2-4 (a) PREPARATION

Note 1 : EVR built-in EEPROM is used for CVF adjustment.

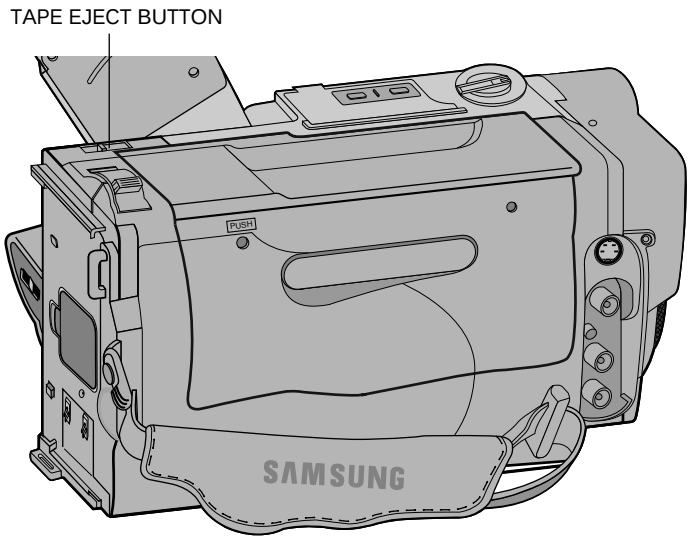
1. How to select the CVF adjust mode.

1) Connect the power source and then set the power conversion switch to VCR mode.
2) Press the "STILL" and push the "TAPE EJECT" button on the unit towards arrow for more than about 3 seconds to set to the adjust mode.

SET



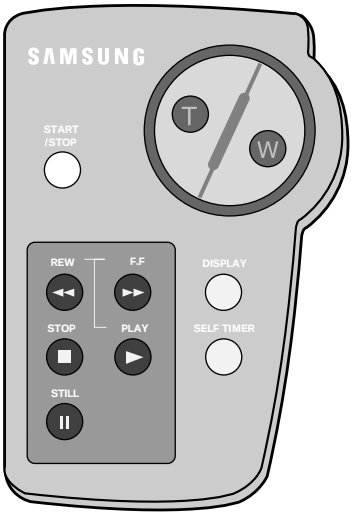
(TOP VIEW)



(RIGHT VIEW)

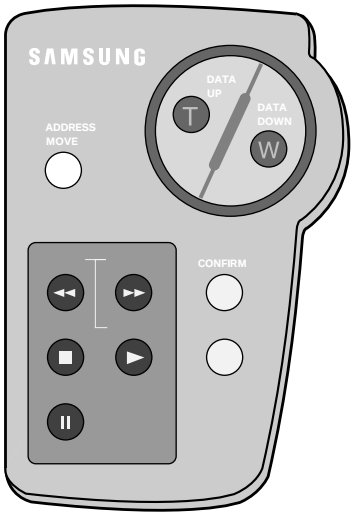
REMOTE CONTROL

Remote for comcorder
adjust for jig (Part No. : AD59-10379A).



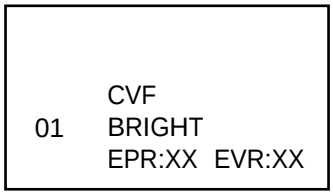
Reassignment is the
adjustment mode.

Button placement when remote is
used for service adjustment.



Note : In service adjustment mode, button names are different from those in customer CVF function control mode. EX : "DISPLAY" button is the same as "CONFIRM".

3) If CVF is set to the adjust mode, the OSD shows as follows.



Address move ⟶ "START/STOP" button on the Remote control.
Data up/Data down ⟶ "TELE/WIDE" button on the Remote control.
Confirm ⟶ "DISPLAY" button on the Remote control.

Ex) 01 ⟶ BRIGHT ⟶ EPR:XX ⟶ EVR:XX

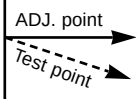
ADDRESS	MODE	EPR	EVR	MEAN	REAMRK
01	BRIGHT	XX	XX	BRIGHT	ADJUST
02	COLOR	XX	XX	COLOR GAIN	ADJUST
03	HUE	XX	XX	HUE	ADJUST
04	R BRT	XX	XX	R SUB BRIGHT	ADJUST
05	B BRT	XX	XX	B SUB BRIGHT	ADJUST
06	RPD	XX	XX	PLL	ADJUST
07	GAMMA	75	75	GAMMA GAIN	FIXED
08	CONTRAST	55	55	CONTRAST	FIXED

4) After finishing the adjustment, reset the main power source (OFF-ON) to memorize the adjustment data in EEPROM.

5-2-4 (b) ADJUSTMENT

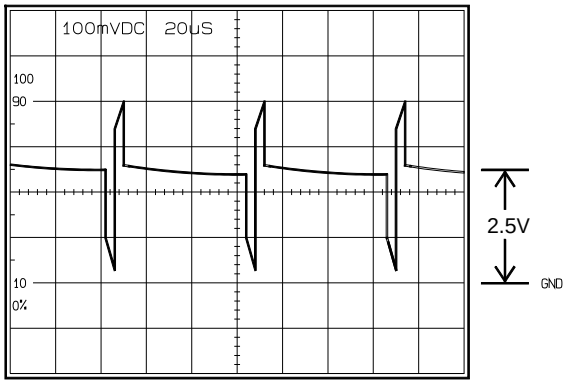
Note : 1. From this point forward, the structure of every adjustment is as follows.
2. See page 5-16 for the location of test points and adjustments.

Step	Adjustment Item
1. Mode and input signal/ alignment tape 2. Test point and ADJ. part 3. Result and Remarks	



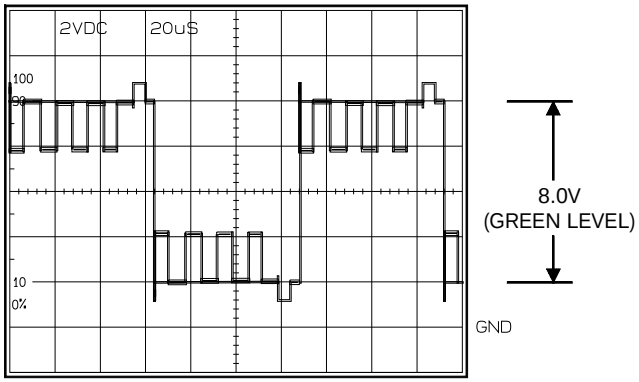
1. RPD

1) VCR "PB", Color bar (SP).
2) RPD and EVR.
3) Connect digital voltmeter probe to RPD.
4) Press the "START/STOP (MODE UP)" button so that the OSD state is "06 RPD EPR:XX EVR:XX".
5) Adjust the "TELE (DATA UP)/WIDE (DATA DOWN)" button so that RPD level is 2.6 ± 0.1V DC.
6) Be sure to press the "DISPLAY(CONFIRM)" button to memorize setting.
7) The OSD shows "CONFIRM !".



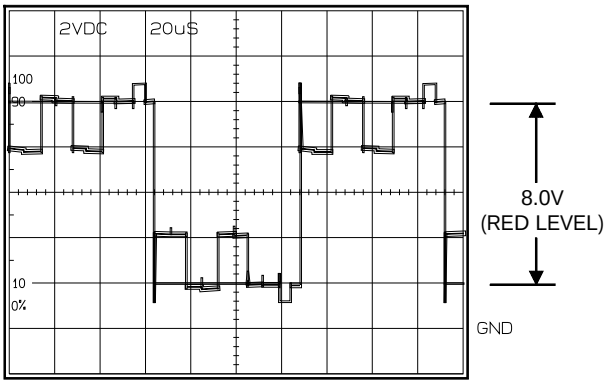
2. Brightness

1) VCR "PB", Color bar (SP).
2) G-OUT and EVR.
3) Connect an oscilloscope probe to G-OUT.
4) Press the "START/STOP (MODE UP)" button so that the OSD state is "01 BRIGHT EPR:XX EVR:XX".
5) Adjust the "TELE (DATA UP)/WIDE (DATA DOWN)" button so that bright level is 8.0Vp-p.
6) Be sure to press the "DISPLAY(CONFIRM)" button to memorize setting.
7) The OSD shows "CONFIRM !".



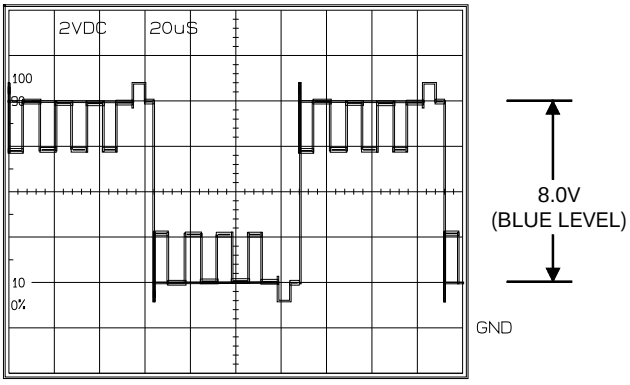
3. R-Sub Brighness

1) VCR "PB", Color bar (SP).
2) R-OUT and EVR.
3) Connect an oscilloscope probe to R-OUT.
4) Press the "START/STOP (MODE UP)" button so that the OSD state is "04 R BRT EPR:XX EVR:XX".
5) Adjust the "TELE (DATA UP)/WIDE (DATA DOWN)" button so that R-OUT level is 8.0Vp-p.
6) Be sure to press the "DISPLAY(CONFIRM)" button to memorize setting.
7) The OSD shows "CONFIRM !".



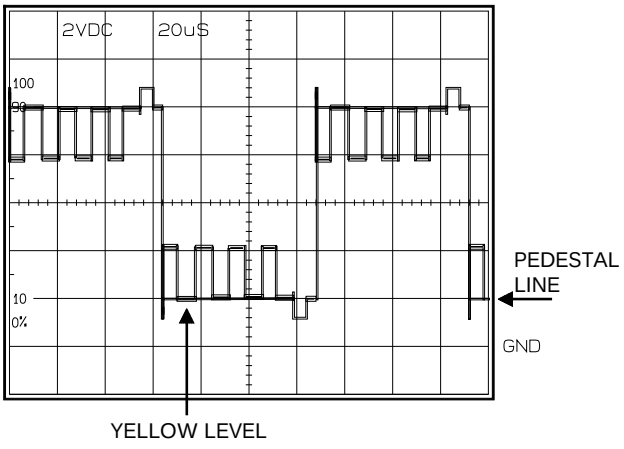
4. B-Sub Brightness

1) VCR “PB”, Color bar (SP).
2) B-OUT and EVR.
3) Connect an oscilloscope probe to B-OUT.
4) Press the “START/STOP (MODE UP)” button so that the OSD state is “05 B BRT EPR:XX EVR:XX”.
5) Adjust the “TELE (DATA UP)/WIDE (DATA DOWN)” button so that ROUT level is 8.0Vp-p.
6) Be sure to press the “DISPLAY(CONFIRM)” button to memorize setting.
7) The OSD shows “CONFIRM !”.



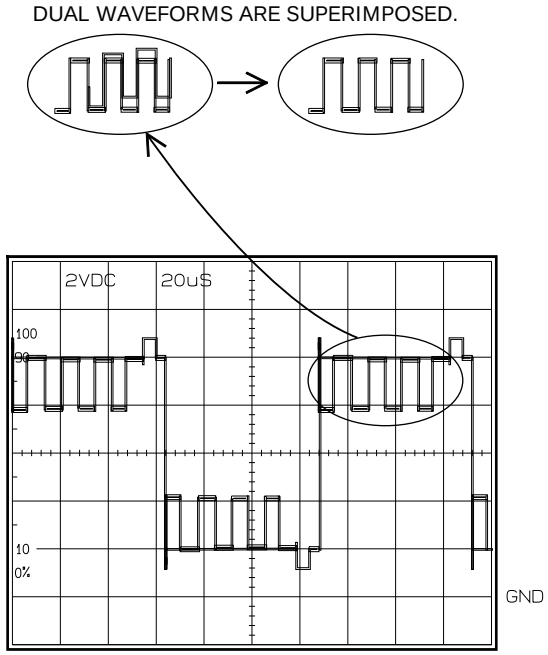
5. Color

1) VCR “PB”, Color bar (SP).
2) B-OUT and EVR.
3) Connect an oscilloscope probe to B-OUT.
4) Press the “START/STOP (MODE UP)” button so that the OSD state is “02 COLOR EPR:XX EVR:XX”.
5) Adjust the “TELE (DATA UP)/WIDE (DATA DOWN)” button so that the yellow level is equal to the pedestal line.
6) Be sure to press the “DISPLAY(CONFIRM)” button to memorize setting.
7) The OSD shows “CONFIRM !”.



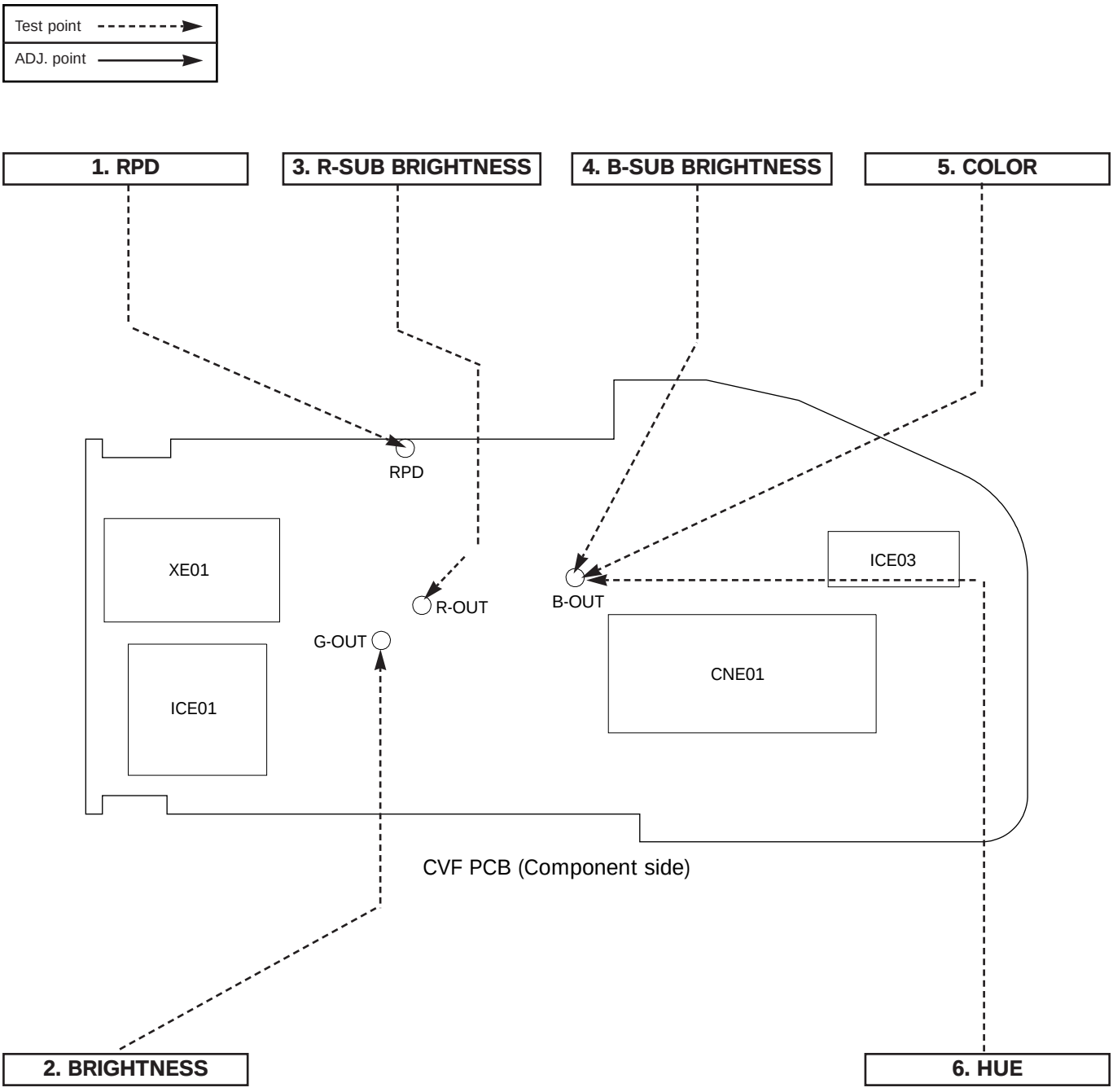
6. HUE

1) VCR “PB”, Color bar (SP).
2) B-OUT and EVR.
3) Connect an oscilloscope probe to B-OUT.
4) Press the “START/STOP (MODE UP)” button so that the OSD state is “03 HUE EPRP:XX EVR:XX”.
5) Adjust the “TELE (DATA UP)/WIDE (DATA DOWN)” button so that the dual waveforms are superimposed.
6) Be sure to press the “DISPLAY(CONFIRM)” button to memorize setting.
7) The OSD shows “CONFIRM !”.



◆ Test point and adjustment points :

NO	ADDRESS	Adjustment name	Test point	Adjustment point	Spec.
1	06	RPD	RPD	EVR	2.6 ± 0.1V DC
2	01	BRIGHTNESS	G-OUT	EVR	8.0Vp-p
3	04	R-SUB BRIGHTNESS	R-OUT	EVR	8.0Vp-p
4	05	B-SUB BRIGHTNESS	B-OUT	EVR	8.0Vp-p
5	02	COLOR	B-OUT	EVR	-
6	03	HUE	B-OUT	EVR	-
7	07	GAMMA	-	EVR Data Fixed	75
8	08	CONTRAST	-	EVR Data Fixed	55



5-3 VCR Section Adjustment

5-3-1 Preparation

Note : Before performing any VCR section adjustments, insert TP Board into CTP01 of main PCB. (See page 5-22)

1. Equipment :

1) Monitor TV.
2) Dual trace oscilloscope of over 20MHz band, incorporates delay mode.
   (Use 10 : 1 probe unless otherwise specified.)
3) Frequency counter
4) Pattern generator with video output terminal.
5) Digital voltmeter.
6) DC power supply.
7) Alignment tape (Color bar : SP)

2. Composition of VCR PCBoards

1) Main PCB (system control/servo, video, camera)
2) Function PCB
3) DC/DC converter PCB
4) Audio PCB

3. Set-up during adjustment

Since the video output signal obtained from the pattern generator is used as the adjusting signal for the VCR block, it is necessary that this video output signal be within the required specifications.
Connect an oscilloscope to the video input jack and make sure that the amplitude of the video SYNC signal is approximately 0.3V, that the video block amplitude is approximately 0.7V, that the burst signal amplitude is approximately 0.3V with flat characteristics, and the signal level ratio between the burst signal and "Red" signal is 0.30 : 0.66.
The video signal (color bars) used for VCR block electrical adjustment is shown in figure 2.

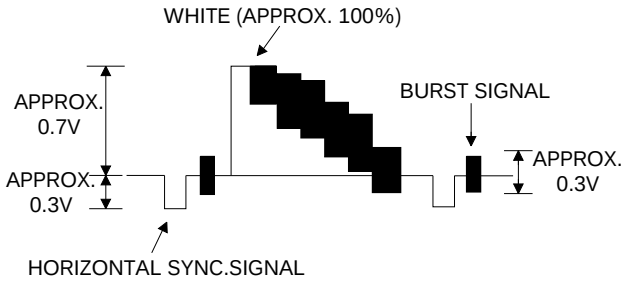


Fig. 1 Color bar signal pattern generator

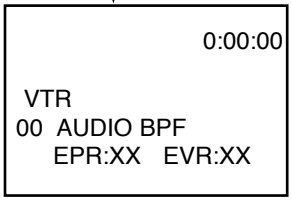
4. Service "**ADJUST**" mode :

STEP 1

1. Connect the power source (battery/DC cable).
2. Set the knob-rotary of the camcorder to VCR (PLAY)position.
3. Press the "TAPE EJECT" button to eject mode.

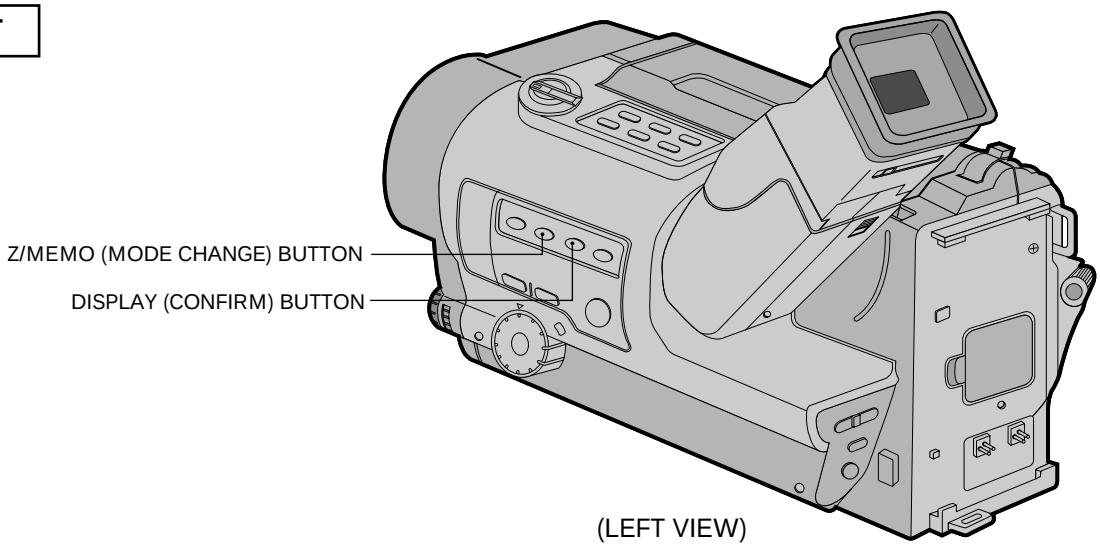
STEP 2

1. Press and hold " ■ (STOP)" button on camcorder and "TAPE EJECT" button at the same time for more than 5 seconds.
2. If OSD looks like below figure, VCR adjustment mode has been successfully activated.
3. Insert tape into housing ass'y and then perform the adjustments.

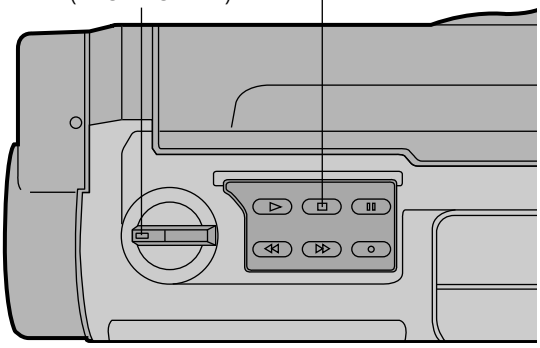


5. The location of function button.

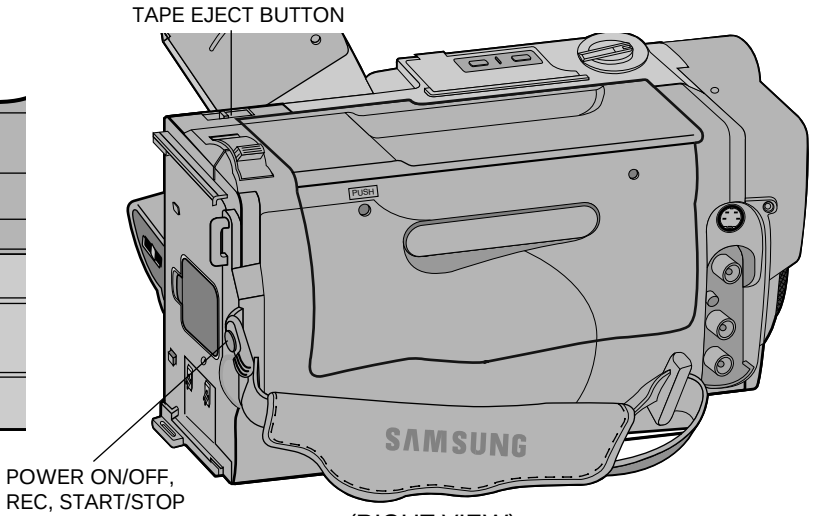
SET



(LEFT VIEW)



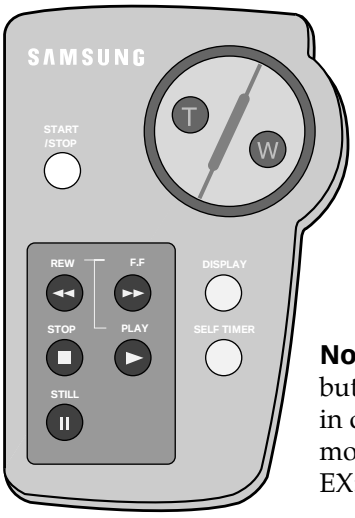
(TOP VIEW)



(RIGHT VIEW)

REMOTE CONTROL

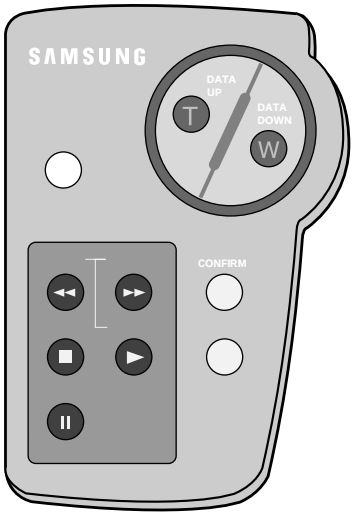
Remote for comcorder
adjust for jig (Part No. : AD59-10379A).



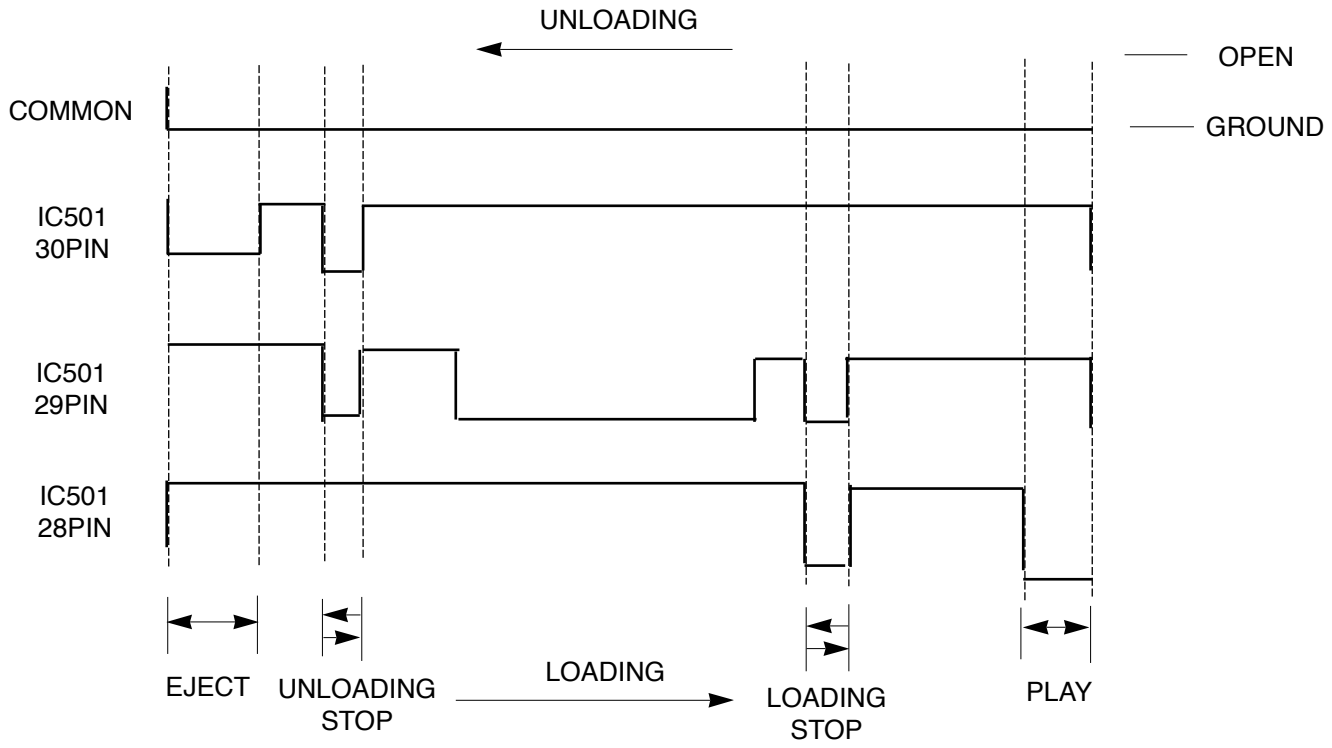
Reassignment is the adjustment mode.

Note : In service adjustment mode, button names are different from those in customer VCR function control mode.
EX: "DISPLAY" button is the same as "CONFIRM".

Button placement when remote is used for service adjustment.



5-3-2 Timing Chart of Program Switch



POSITION	IC501 30PIN	IC501 29PIN	IC501 28PIN	Action Mode
EJECT	L	H	H	EJECT
UNLOADING STOP	L	L	H	UNLOADING STOP
LOADING STOP	H	L	L	LOADING STOP
PB	H	H	L	PLAY,FF,REW,STILL...

5-3-3 DC/DC Converter Section

Note : From this point forward, the structure of every adjustment is as follows.

Step	Adjustment Item
1. Mode and input signal/ alignment tape 2. Test point and ADJ. part 3. Result and Remarks	ADJ. point → Test point ⇢

1. SS 5V

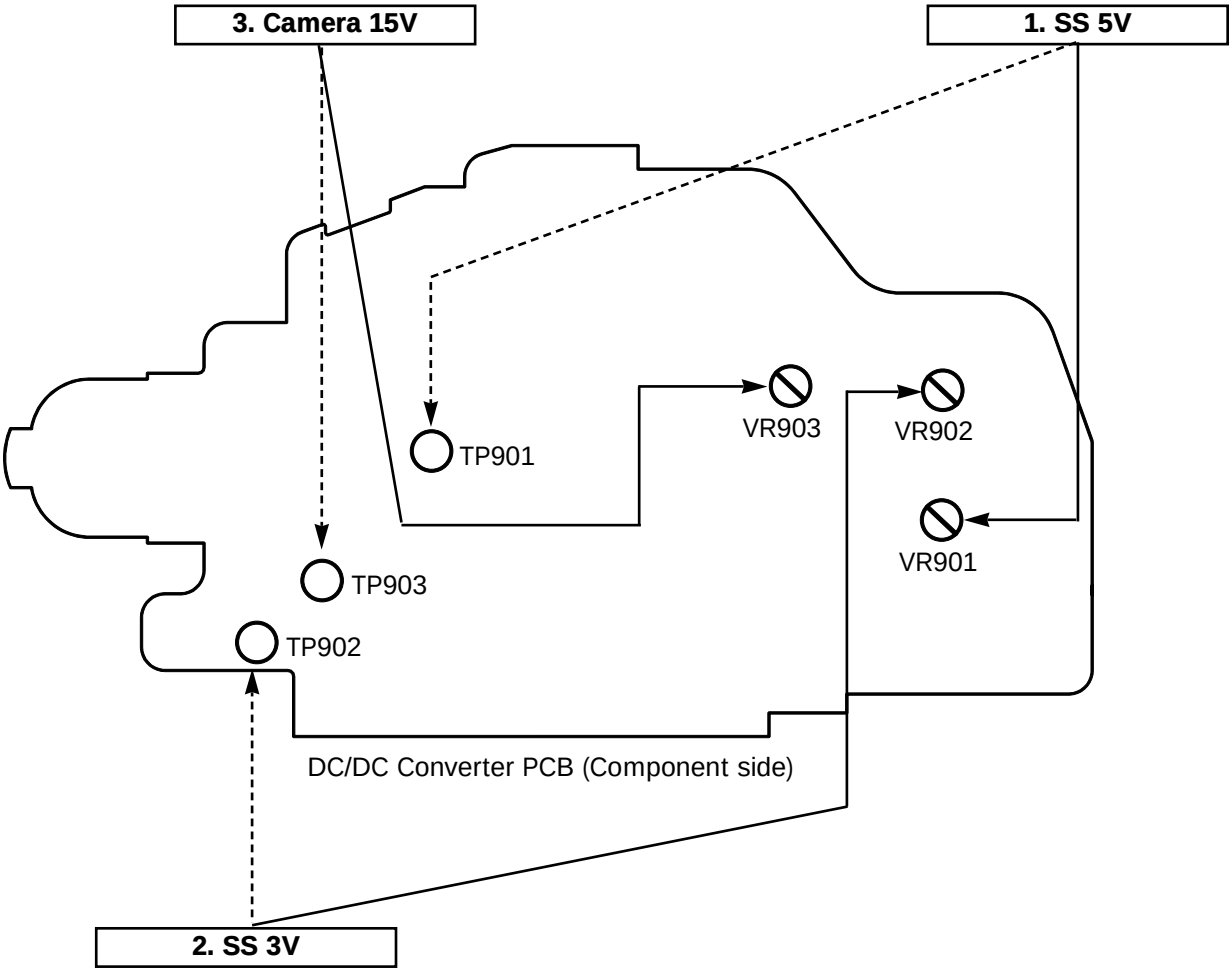
1. Camera, no signal input.
2. TP901 and VR901.
3. Set the knob-rotary to the camera mode.
4. Connect digital voltmeter probes to TP901.
5. Adjust VR901 for DC5.0 ± 0.05V.

2. SS 3V

1. Camera, no signal input.
2. TP902 and VR902.
3. Set the knob-rotary to the camera mode.
4. Connect digital voltmeter probes to TP902.
5. Adjust VR902 for DC3.25 ± 0.05V.

3. Camera 15V

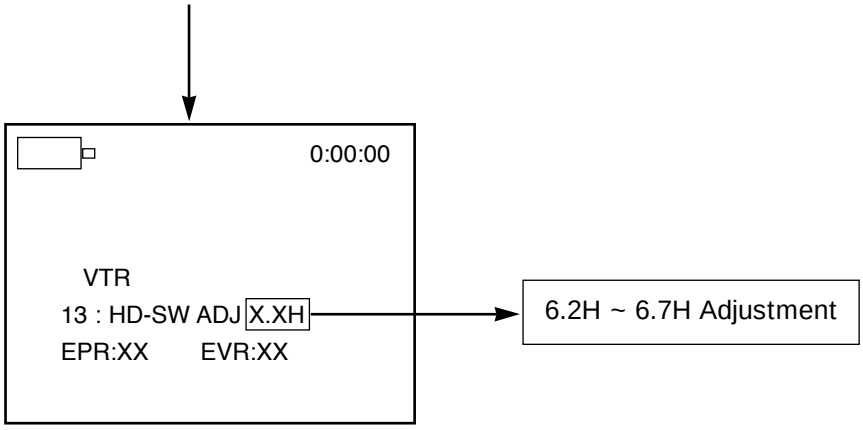
1. Camera, no signal input.
2. TP903 and VR903.
3. Set the knob-rotary to the camera mode.
4. Connect digital voltmeter probes to TP903.
5. Adjust VR903 for DC15.2 ± 0.2V.



5-3-4 Servo Section

1. Head Switching

1) PB, color bar tape.
2) EVR.
3) Confirm the Head switch mode by pressing the “Z/MEMO (MODE CHANGE)” button of set.
4) Press the “WIDE (DATA DOWN)/TELE (DATA UP)” button on remote control so that Head switching data in TV monitor is 6.2H ~ 6.7H.
5) Press the “DISPLAY (CONFIRM)” button on remote control to memorize setting.



(TV monitor OSD)

5-3-5 Video Section

Note 1 : From this point forward, the structure of every adjustment is as follows.

Step	Adjustment Item
1. Mode and input signal/ alignment tape 2. Test point and ADJ. part 3. Result and Remarks	

ADJ. point
Test point

Note 2 : How to connect VCR adjustment jig :

1) Insert TP Board into CTP01 of main PCB.
2) Connect video out of pattern generator to A/V Jack.
3) Eliminate the chroma signal of pattern generator by switch of it.

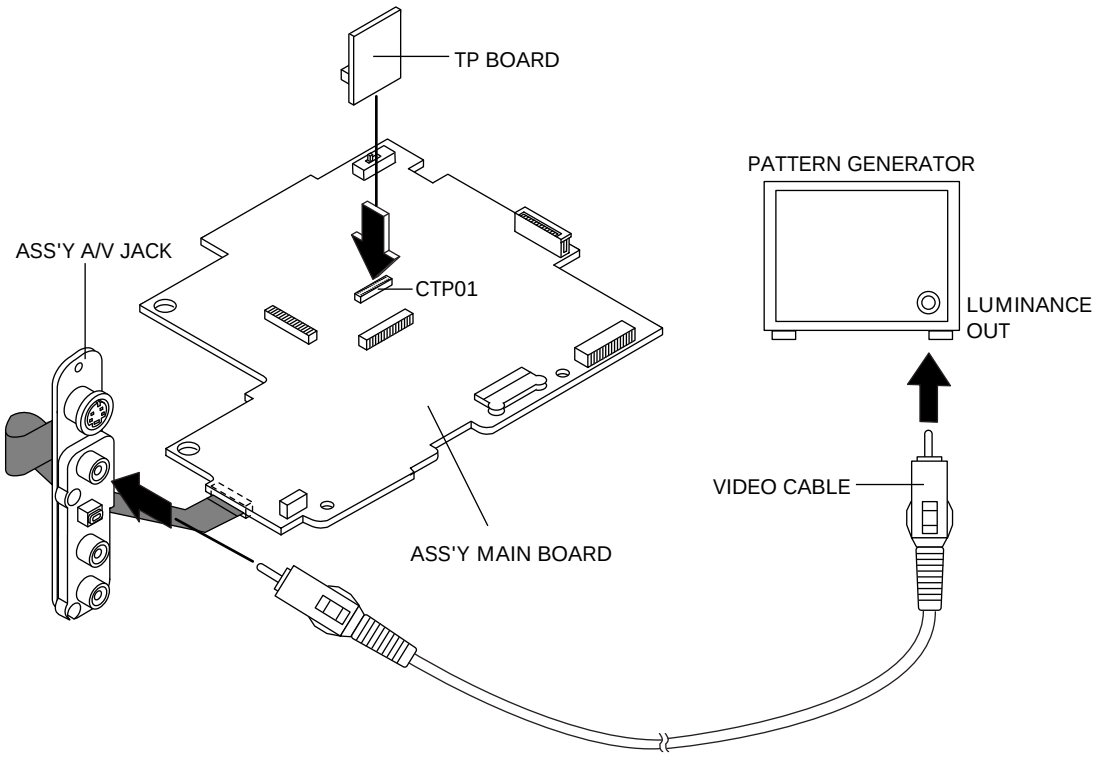


Fig. 2 TP Board Connection

Note 3 : How to record - Press the "START/STOP" button on set at adjustment mode.

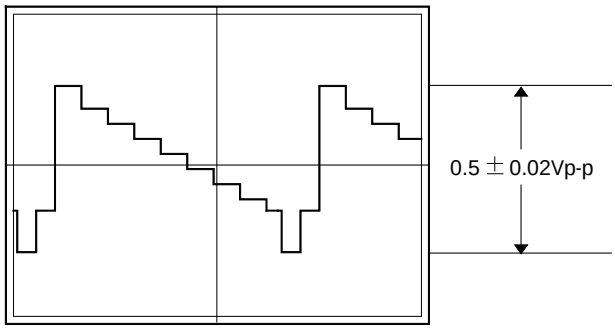
Note 4 :
1. See page 5-25 for the location of test points and adjustments.
2. Press the "Z/MEMO" button of set for mode change.

Note 4 : "XX" indicates arbitary values.

VTR
04 : Y-EMPHASIS
EPR:XX EVR:XX

1. Y-Emphasis

1) Rec, 100% color bar signal.
2) Pin 13 of IC201 and EVR.
3) Confirm the "04 : Y-Emphasis" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to pin 13 of IC201.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control so that the pin 13 of IC201 is 0.5 ± 0.02Vp-p from SYNC tip to peak level.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.



2. Y-FM Carrier Frequency(Hi-8)

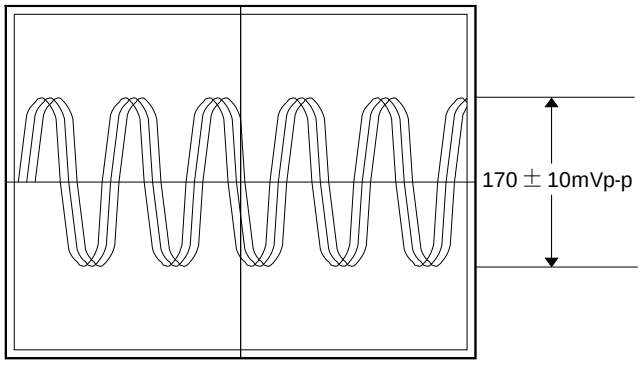
1) Rec, no signal input.
2) Pin 41 of IC201 and EVR
3) Confirm the "12 : CARRIER" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to pin 41 of IC201.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control so that frequency of pin 41 of IC201 is 6.05 ± 0.2MHz.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.

3. Y-FM Carrier Frequency(Normal)

1) Normal Rec, no signal input.
2) Pin 41 of IC201 and EVR
3) Confirm the "0D : CARRIER" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to pin 41 of IC201.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control so that frequency of pin 41 of IC201 is 4.36 ± 0.2MHz.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.

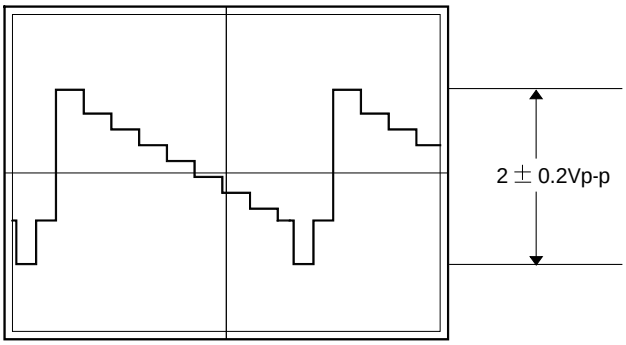
4. REC Y Level

1) Rec, 100% color bar signal
2) Pin 41 of IC101 and EVR
3) Confirm the "0F : REC Y" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to pin 41 of IC101.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control so the level of pin 41 of IC101 is 170 ± 10mVp-p.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.



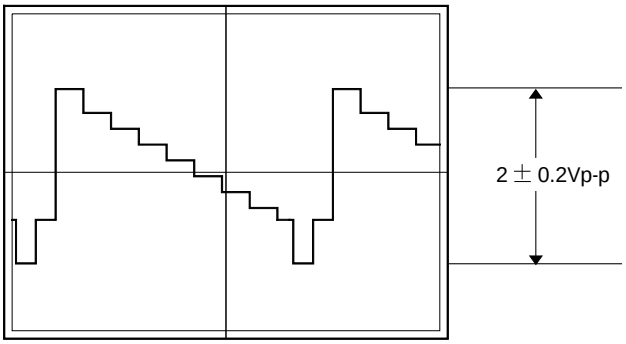
5. PB output level (Hi-8)

1) PB, Hi-8 color bar signal.
2) CE206 and EVR.
3) Confirm the "10 : PB Y1" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to CE206.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control so the level of CE206 is 2 ± 0.2Vp-p.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.



6. PB Output Level (Normal)

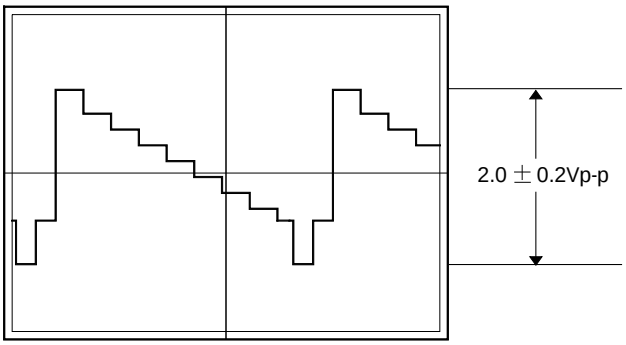
1) PB, Normal color bar signal.
2) CE206 and EVR.
3) Confirm the "02 : PB Y1" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to CE206.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control so the level of CE206 is 2 ± 0.2Vp-p.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.



7. Y-FM Deviation

Note : Confirm that "Y-FM Carrier Frequency" and "PB Output Level(Hi-8)" adjustment have been completed.

1) Rec PB, 100% color bar signal.
2) CE201 and EVR.
3) Confirm the "03 : DEVIATION" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Record the color bar signal at adjustment mode.
5) Turn power on/off and then playback the recorded signal.
6) Confirm the playback output of CE201. (Specified value: 2.0 ± 0.2Vp-p)
7) If the specified value is not satisfied, repeat the last three steps.



- When larger than specified value : press the "WIDE (DATA DOWN)" button on remote control and then press the "DISPLAY (CONFIRM)" button on set or remote control.

- When smaller than specified value : press the "TELE (DATA UP)" button on remote control and then press the "DISPLAY (CONFIRM)" button on set or remote control.

8. C-Emphasis

"05 : C-Emphasis" adjustment is fixed to EVR data 1A.

9. MT-G

"07 : MT-G" adjustment is fixed to EVR data D0.

10. MT-Q

"08 : MT-Q" adjustment is fixed to EVR data 21.

11. MT-f_0

"09 : MT-f_0" adjustment is fixed to EVR data 7A.

12. White Clip (Hi-8)

"11 : White Clip (Hi-8)" adjustment is fixed to EVR data 55.

13. White Clip (Normal)

"0A : White Clip (Normal)" adjustment is fixed to EVR data 84.

14. REC C

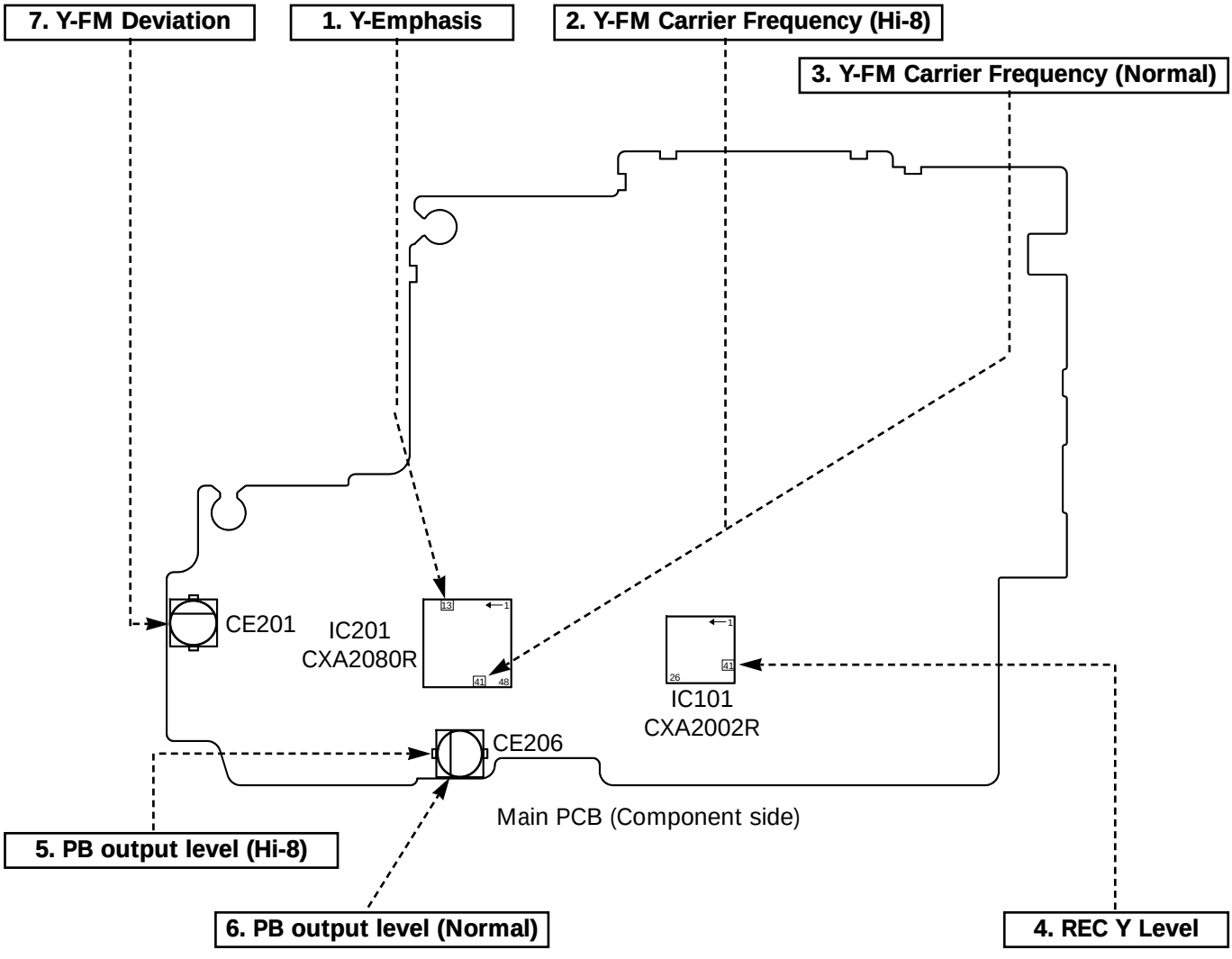
"0E : REC C" adjustment is fixed to EVR data E5.

◆ Test point and adjustment point

NO	ADDRESS	Adjustment name	Test point	Adjustment point	Spec.
1	04	Y-Emphasis	Pin 13 of IC201	EVR	0.5 ± 0.02Vp-p
2	12	Y-FM Carrier Frequency (Hi-8)	Pin 41 of IC201	EVR	6.05 ± 0.2MHz
3	0D	Y-FM Carrier Frequency (Normal)	Pin 41 of IC201	EVR	4.36 ± 0.2MHz
4	0F	REC Y Level	Pin 41 of IC101	EVR	170 ± 10mVp-p
5	10	PB Out Level (Hi-8)	CE206	EVR	2 ± 0.2Vp-p
6	02	PB Out Level (Normal)	CE206	EVR	2 ± 0.2Vp-p
7	03	Deviation	CE201	EVR	2 ± 0.2Vp-p
8	05	C-Emphasis	-	EVR Data Fixed	1A
9	07	MT-G	-	EVR Data Fixed	D0
10	08	MT-Q	-	EVR Data Fixed	21
11	07	MT-f_0	-	EVR Data Fixed	7A
12	11	White Clip (Hi-8)	-	EVR Data Fixed	55
13	0A	White Clip (Normal)	-	EVR Data Fixed	84
14	0E	REC C	-	EVR Data Fixed	E5

Test point ---------▶
ADJ. point ——————▶

Note : Before adjustment, insert the TP BOARD into the CTP01.



5-3-6 Audio Section

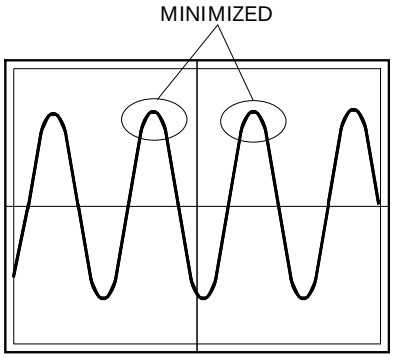
Step	Adjustment Item
1.	Mode and input signal/ alignment tape
2.	Test point and ADJ. part
3.	Result and Remarks

ADJ. point
Test point

Note : 1. From this point forward, the structure of every adjustment is as follows.
2. See page 5-27 for the location of test points and adjustments.

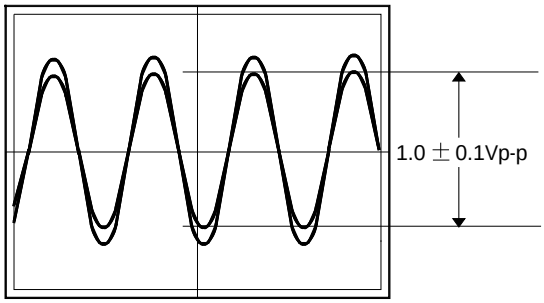
1. Audio BPF

1) PB, color bar signal.
2) Pin 49 of IC701 and EVR.
3) Confirm the "00 : AUDIO BPF" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to pin 49 of IC701.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control so that the output signal is minimized.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.



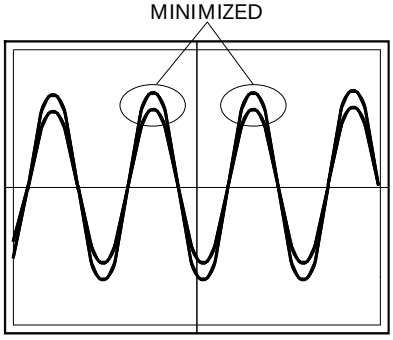
2. Audio 1.5MHz Deviation

1) PB, color bar signal.
2) Pin 49 of IC701 and EVR.
3) Confirm the "0B : AUDIO 1.5MHz" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to pin 49 of IC701.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button so that the output signal is 1.0 ± 0.1Vp-p.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.



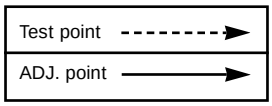
3. Audio 1.7MHz Deviation

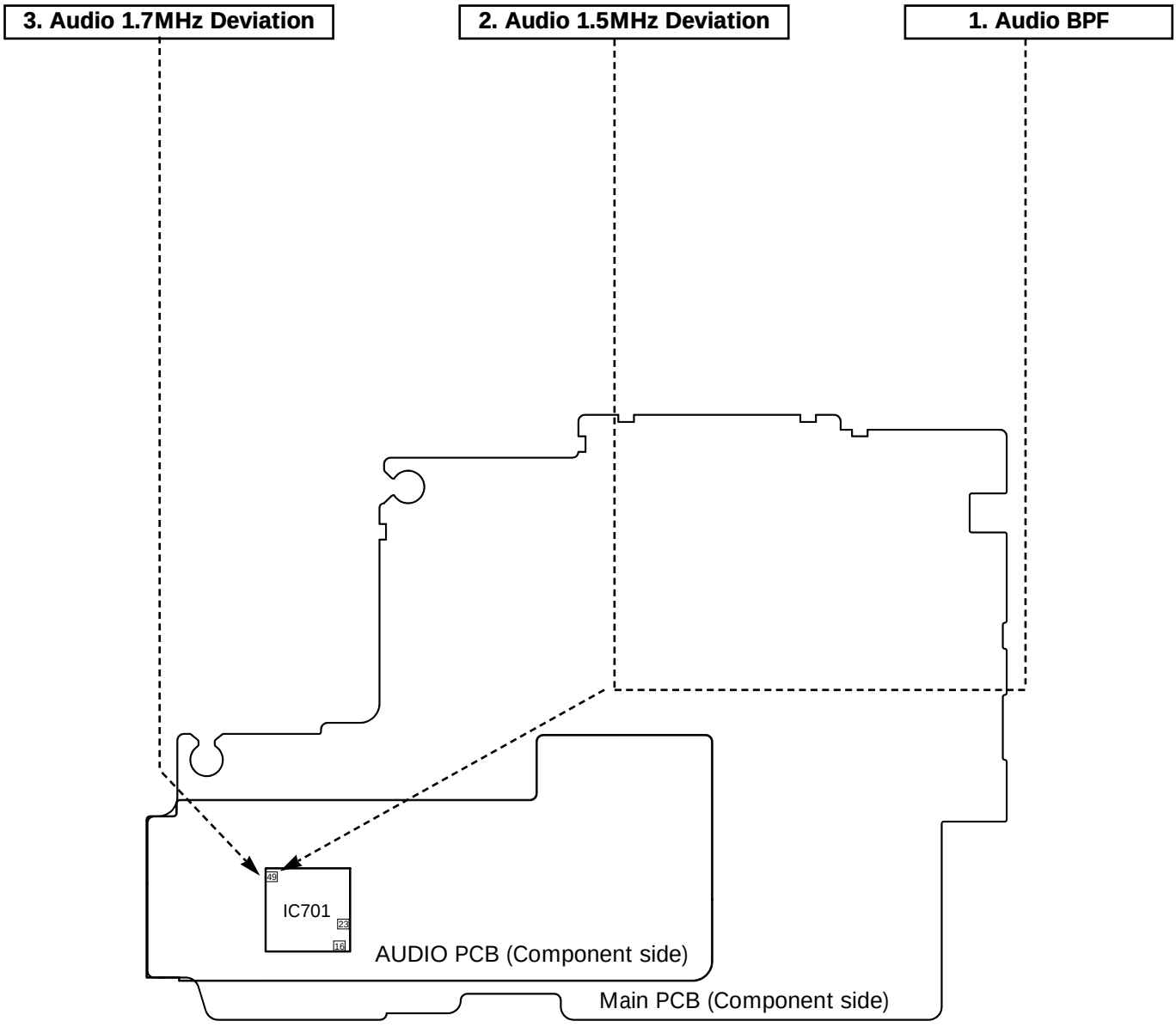
1) PB, color bar signal.
2) Pin 49 of IC701 and EVR.
3) Confirm the "0C : AUDIO 1.7MHz" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Connect an oscilloscope to pin 49 of IC701.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button so that the output signal is minimized.
6) Be sure to press the "DISPLAY (CONFIRM)" button on set or remote control to memorize setting.



◆ Test point and adjustment point

NO	ADDRESS	Adjustment name	Test point	Adjustment point	Spec.
1	00	Audio BPF	Pin 49 of IC701	EVR	-
2	0B	Audio 1.5MHz Deviation	Pin 49 of IC701	EVR	1.0 ± 0.1Vp-p
3	0C	Audio 1.7MHz Deviation	Pin 49 of IC701	EVR	-

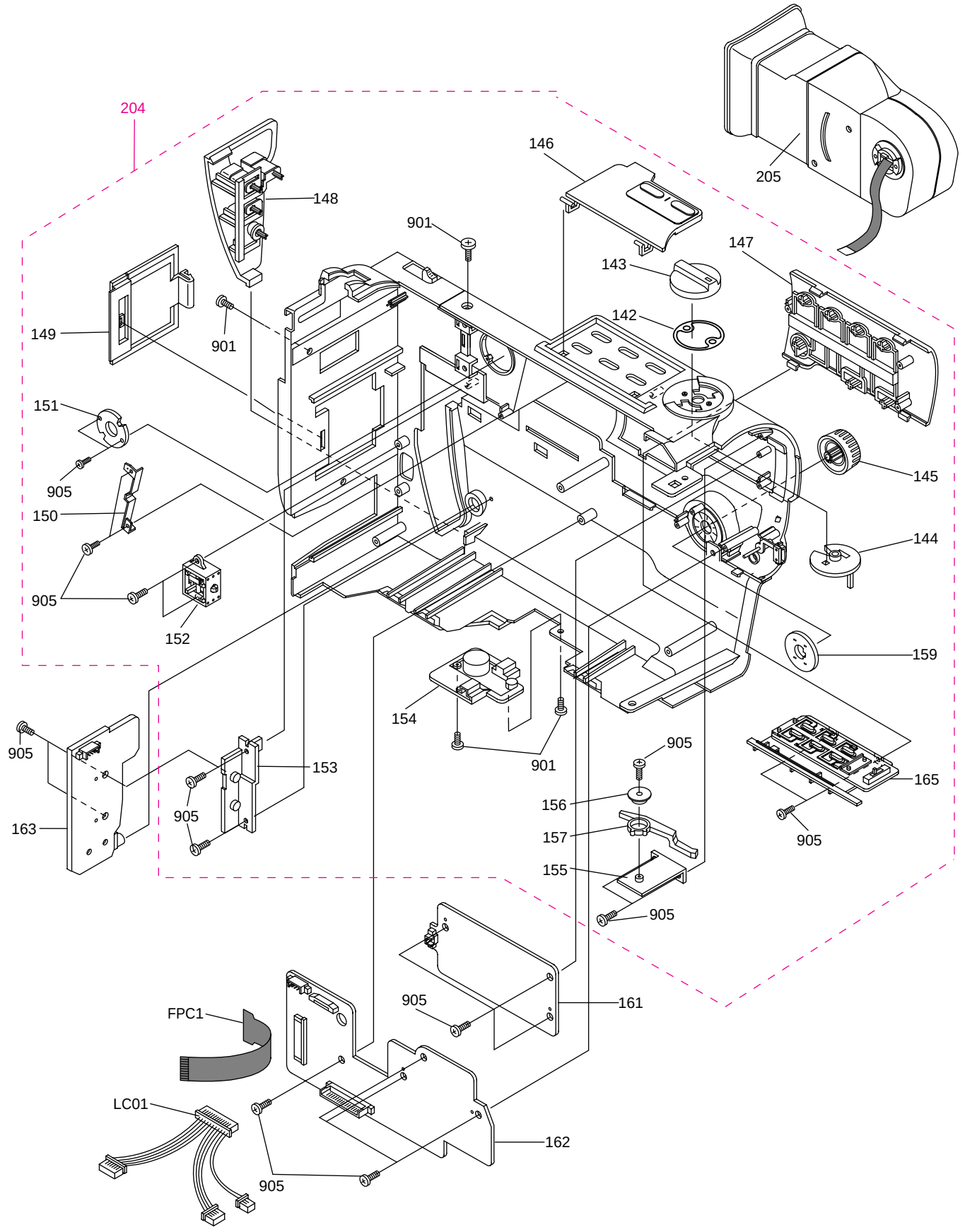




MEMO

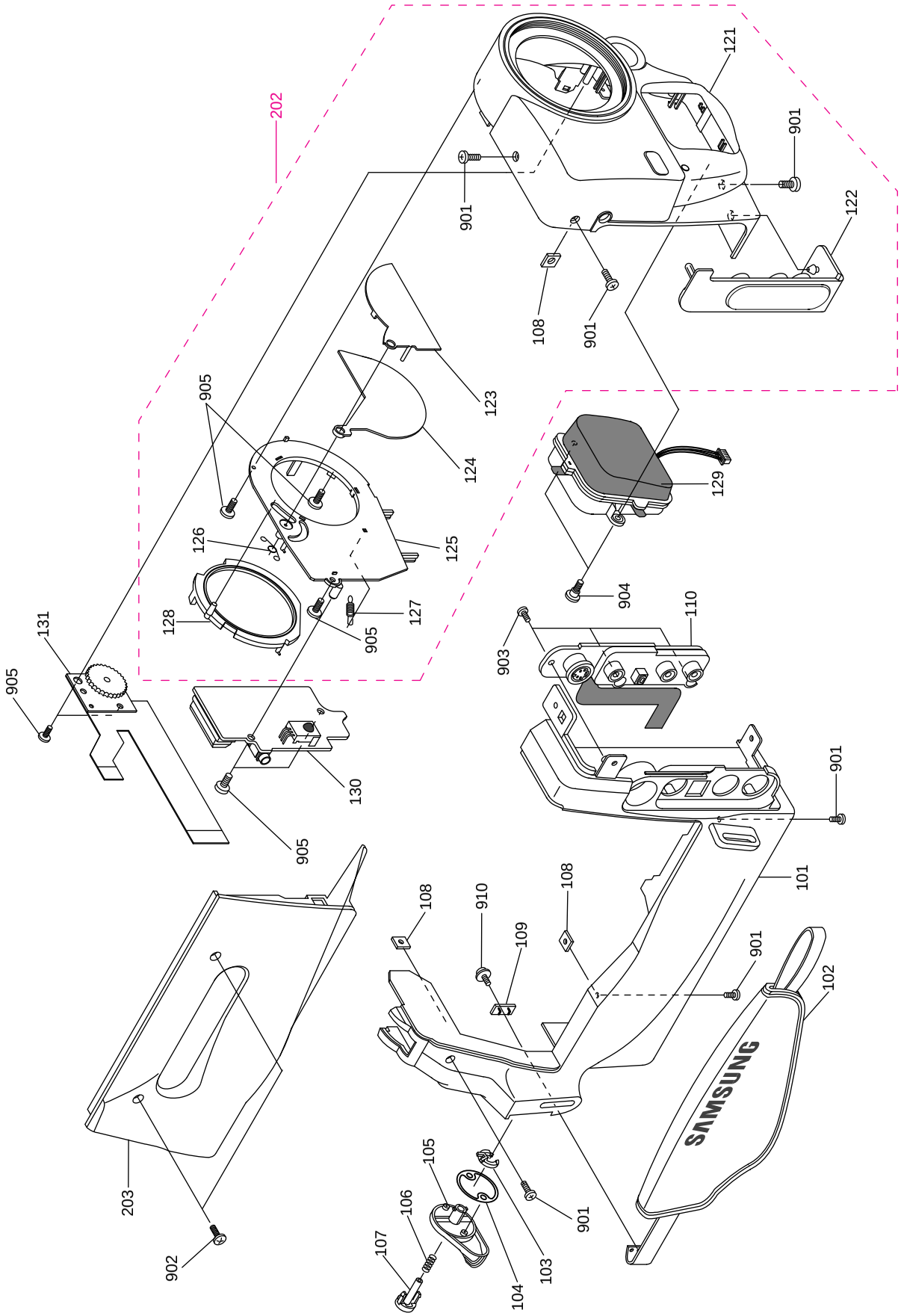
6. Exploded View and Parts List

6-1 Cabinet Assembly (1)



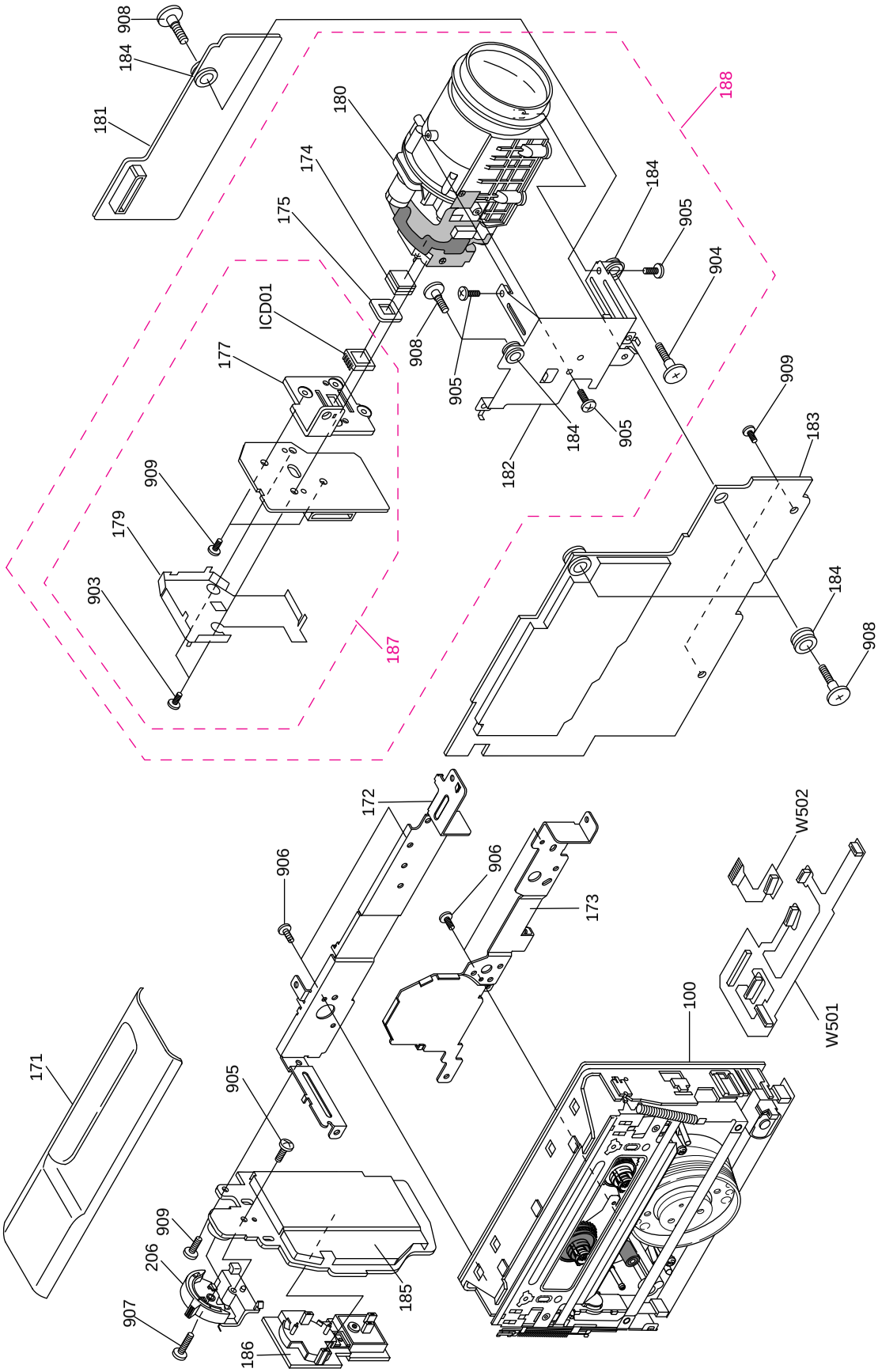
Loc. No	New Part No	Description and Specification	Remark
142	AD61-60545A	SPRING-POWER;-,-,STS301H,T0.2,-,-,VP-A57	
143	AD64-10771A	KNOB-POWER;-,ABS94,HB,D/GRAY,-,VP-A57	
144	AD61-20973A	HOLDER-POWER;-,ABS94,HB,BLK,-,VP-A57	
145	AD64-10772B	KNOB-ROTARY;VP-A50	
	AD64-10772A	KNOB-ROTARY;-,ABS94,HB,L/GRAY,-,VP-A52,VP-A55/VP-A57	
146	AD59-10355A	UNIT-COVER FUNCTION;VP-A57,-	
147	AD59-10342F	UNIT-CASE SIDE;VP-A50,VP-A52	
	AD59-10342A	UNIT-CASE SIDE;VP-A55/VP-A57	
	AD98-11221E	ASSY-CASE SIDE;VP-A55,VP-A57/SEMO(SMSC,SUSC,SALSC) ONLY	
148	AD59-10385A	UNIT-CASE BACK;VP-A50	
	AD59-10384A	UNIT-CASE BACK;VP-A52	
	AD59-10341A	UNIT-CASE BACK;VP-A55,VP-A57	
149	AD63-30526A	COVER-BATTERY;-,ABS94,V0,-,BLK,-,-,VP-A57	
150	AD61-60532A	SPRING-EVF;-,-,BE-CU,-,-,-,VP-A57	
151	AD61-20976A	HOLDER-EVF;-,POM,-,BLK,-,VP-A57	
152	AC59-90001L	UNIT-BATTERY EJECT;VP-K70,-,-	
153	AD61-20975A	HOLDER-PCB;-,ABS94,HB,BLK,-,VP-A57	
154	AD98-12002D	ASSY-TRIPOD;VP-A57,-	
155	AD61-20972A	HOLDER-LEVER;-,ABS94,HB,BLK,-,VP-A57	
156	AD61-50679A	BUSH-LEVER;-,ABS94,V0,-,-,-,-,VP-A57	
157	AD66-30493A	LEVER-BUILT;-,ABS 94HB,-,-,BLK,VP-A57	
159	AD61-20971A	HOLDER-ROTARY;-,POM,-,NTR,-,VP-A57	
161	AD59-10402A	UNIT-FUNCTION,BLC;A-PJ,BLC ASSY	
162	AD59-10398A	UNIT-FUNCTION,DSE;A-HI8(3V),DSE,CVF	
163	AD59-10403A	UNIT-FUNCTION,EAR;A-PJ,EAR ASSY	
165	AD98-11220K	ASSY-VTR FUNCTION	
204	AD98-11218R	ASSY-CASE LEFT;VP-A50	
	AD98-11220T	ASSY-CASE LEFT;VP-A50/SEMO(SMSC,SUSC,SALSC) ONLY	
	AD98-11219B	ASSY-CASE LEFT;VP-A52	
	AD98-11218Q	ASSY-CASE LEFT;VP-A55	
	AD98-11220R	ASSY-CASE LEFT;VP-A55/SEMO(SMSC,SUSC,SALSC) ONLY	
	AD98-11215B	ASSY-CASE LEFT;VP-A57	
	AD98-11220Q	ASSY-CASE LEFT;VP-A57/SEMO(SMSC,SUSC,SALSC) ONLY	
205	AD90-10806V	ASSY-CVF;VP-A52,VP-A57	
	AD90-10810G	ASSY-EVF;VP-A50,VP-A55	
901	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	
905	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
FPC1	AD41-20300W	FPC-FUNC;POLUWIDE,0.25,22P,VP-A57/SEG	
LC01	AD39-20825C	LEAD-CONNECTOR-ASS'Y;-,51021-11P,51021-05/04/02P	

6-2 Cabinet Assembly (2)



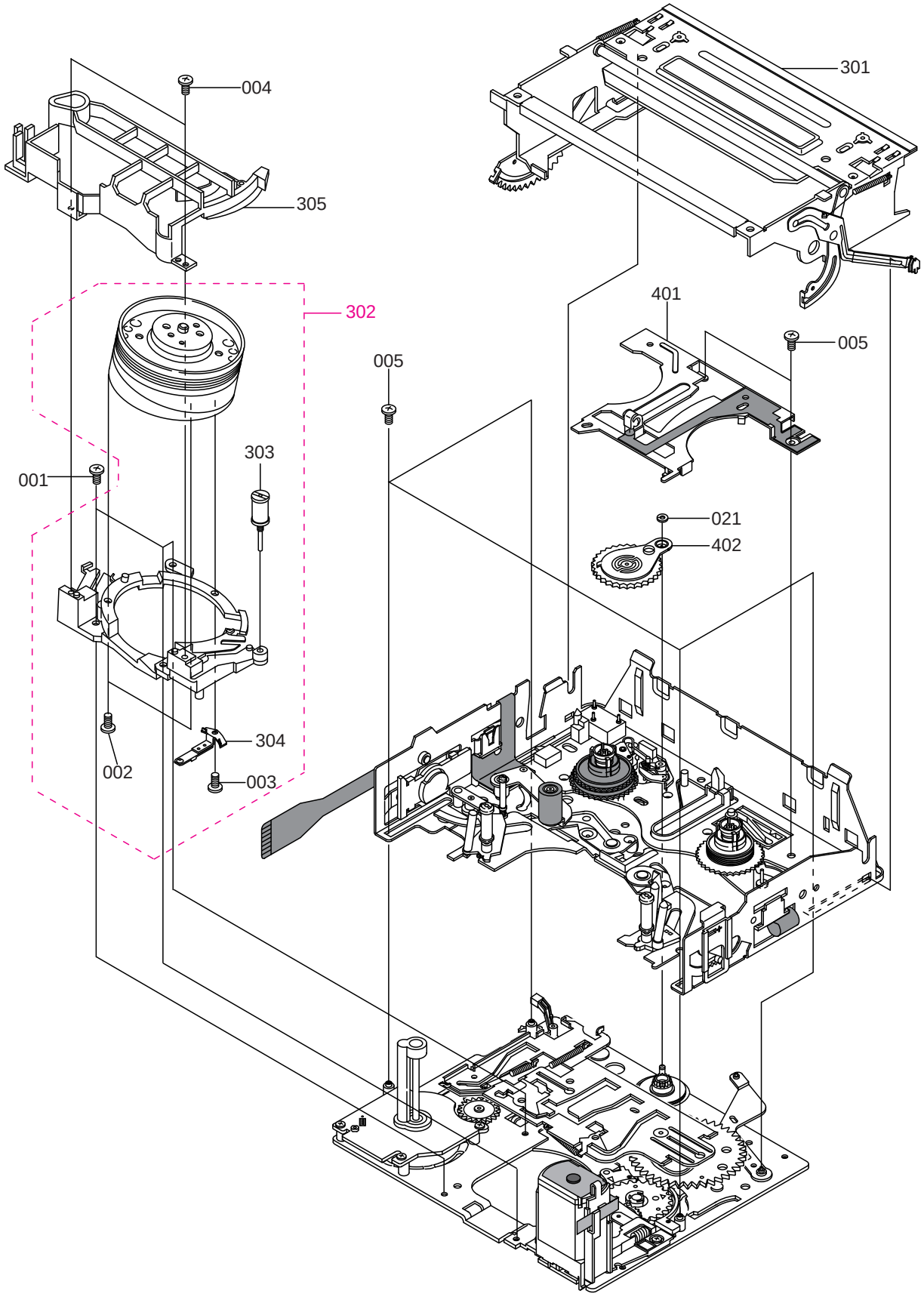
Loc. No	New Part No	Description and Specification	Remark
101	AD64-30840A	CASE-RIGHT;-,ABS 94,HB,-,-,D/GRAY,-,VP-A5	
102	AC63-10007A	GRIP-BELT ASSY;LEATHER,BLK,T1.5,-,SV-H66,-,-	
103	AD61-20978A	HOLDER-STAND/BY;-,POM,-,NTR,-,VP-A57	
104	AD61-60533A	SPRING-REC STOP;-,-,STS,T0.2,-,-,VP-A57	
105	AD64-10774A	KNOB-STAND/BY;-,ABS,HB,BLK,-,VP-A57	
106	AC61-60068A	SPRING-BUTTON;CS,STS304 WPB,P0.2,D4,L7,-,-	
107	AD64-10783A	BUTTON-REC;-,ABS94,HB,RED,-,VP-A57	
108	AC61-20223A	HOLDER-LOCK;SECC,T1.0,NAT,-,-,-	
109	AD61-20977A	HOLDER-GRIP;-,PBT,-,BLK,-,VP-A57	
110	AD90-10805G	ASSY-A/V JACK BOARD;VP-A57/SEG,PAL	
121	AD64-30842B	CASE-FRONT;VP-A50	
	AD64-30842C	CASE-FRONT;VP-A52	
	AD64-30842A	CASE-FRONT;-,ABS 94,HB,-,-,D/GRAY,-,VP-A55,VP-A57	
122	AD63-30527A	COVER-JACK;-,PE,-,-,BLK,-,-,VP-A57	
123	AD63-30523A	COVER-LENS A;-,ABS94,HB,-,BLK,-,-,VP-A57	
124	AD63-30524A	COVER-LENS B;-,ABS94,HB,-,BLK,-,-,VP-A57	
125	AD61-20979A	HOLDER-LENS COVER;-,ABS 94,HB,BLK,-,VP-A57	
126	AD61-60534A	SPRING-COVER;-,-,SUS304,PI0.5,-,-,VP-A57	
127	AD61-60542A	SPRING-COVER(2);-,-,SUS304,PI0.18,OD2.2,-,VP-A	
128	AD63-30529A	COVER-ROTATE;-,ABS94,HB,-,-,-,-,VP-A57	
129	AD98-11213A	ASSY-MIC;VP-A57,-	
130	AD90-10805C	ASSY-MIC BOARD;VP-A57/SEG,PAL	
131	AD90-10808E	ASSY-FPC MIC;VP-A57/SEG,MIC	
202	AD59-10410A	UNIT-CASE FRONT;VP-A50	
	AD59-10387A	UNIT-CASE FRONT;VP-A52	
	AD59-10340A	UNIT-CASE FRONT;VP-A55,VP-A57	
203	AD98-11206A	ASSY-COVER HOUSING;VP-A57,-	
901	AC60-10019A	SCREW-MACHINE;BH,+,M2,X4,FZB,FE,UP,-,-	
902	AD60-10001A	SCREW-MACHINE;BH,B,1.7*5.5,-,FE,BLACK,-,VP-K	
903	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	
904	AC60-12119A	SCREW-TAP TITE;-,BH,+,-,-,SWRCH18A2P4	
905	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
910	AD60-10509A	SCREW-TAP TITE;-,PWH,+,-,M2X5,5,-	

6-3 Cabinet Assembly (3)



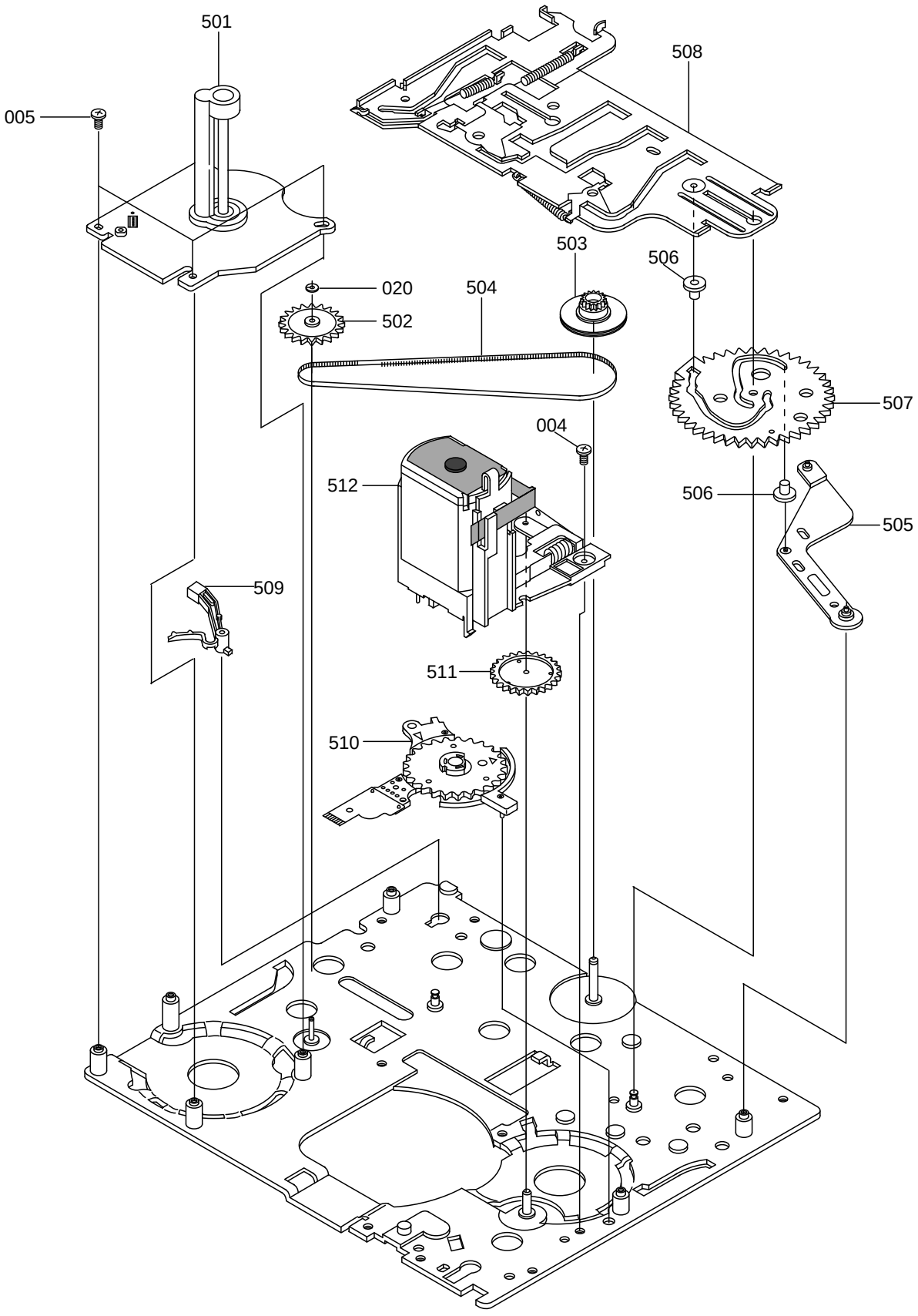
Loc. No	New Part No	Description and Specification	Remark
100	AD96-10470S	ASSY-8MM DECK;DE-6APH,-	
171	AD98-11205B	ASSY-CASE TOP;VP-A57,-	
172	AD61-10985A	BRACKET-DECK A;-,STS301,-,T0.5,-,-,VP-A57	
173	AD61-10986A	BRACKET-DECK B;-,STS301,-,T0.5,-,-,VP-A57	
174	AD29-90200E	FILTER-OPTICAL;DP,SV-3C20MM,LP,3.68MHZ,T	
175	AD63-62002A	SPACER-CCD;-,SILICONE,T1,BLK,-,VP-A57	
177	AD61-30171A	PLATE-CCD;-,AL,T1.2,-,VP-A57	
179	AD63-40839A	SHIELD-CASE CCD;-,SPTE,T0.2,-,VP-A57	
180	AD90-10809R	ASSY-LENS ZOOM;SV-A57,SEC 16X ZOOM	
181	AD90-10809P	ASSY-AUDIO BOARD;VP-A50	
	AD90-10805E	ASSY-AUDIO BOARD;VP-A52,VP-A55,VP-A57	
182	AD61-10990A	BRACKET-LENS;-,STS301,-,0.5,-,-,VP-A57	
183	AD90-10809N	ASSY-MAIN BOARD;VP-A50	
	AD90-10812D	ASSY-MAIN BOARD;VP-A52	
	AD90-10805F	ASSY-MAIN BOARD;VP-A55,VP-A57	
184	AC64-10176A	KNOB-RUBBER-LENS;NR,-,BLK,-,VP-K70,-	
186	AD59-10331A	UNIT-BATT TERMINAL;VP-A57,-	
187	AD90-10809M	ASSY-CCD BOARD;VP-A50	
	AD90-10804Z	ASSY-CCD BOARD;VP-A52,VP-A55,VP-A57	
188	AD90-10813R	ASSY-CAMERA BOARD;VP-A50	
	AD90-10813M	ASSY-CAMERA BOARD;VP-A52,VP-A55,VP-A57	
206	AD59-10343A	UNIT-KNOB T/W;VP-A57,-	
903	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	
904	AC60-12119A	SCREW-TAP TITE;-,BH,+,-,-,SWRCH18A2P4	
905	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
906	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1018,	
907	AD60-10510A	SCREW-MACHINE;-,PLAN,+,-,M1.4X5,5,BLK,FE-ZN,	
908	AD60-10507A	SCREW-SPACER;-,PLAN,+,-,M2.0X0.35,8.2,BLK,M	
909	AC60-10024A	SCREW-MACHINE;BH,+,M2,X3,FZW,FE,-,-,-	
ICD01	0605-001004	CCD;VP-A50	
	0605-001005	CCD;COLOR,DIP,14P,400MIL,570K,4.85 VP-A52,VP-A55,VP-A57	
W501	AD90-10808C	ASSY-FPC DECK;VP-A57/SEG,DECK	
W502	AD90-10808D	ASSY-FPC PRE-AMP;VP-A57/SEG,VCR-MAIN	

6-4 Mechanical Parts (1)



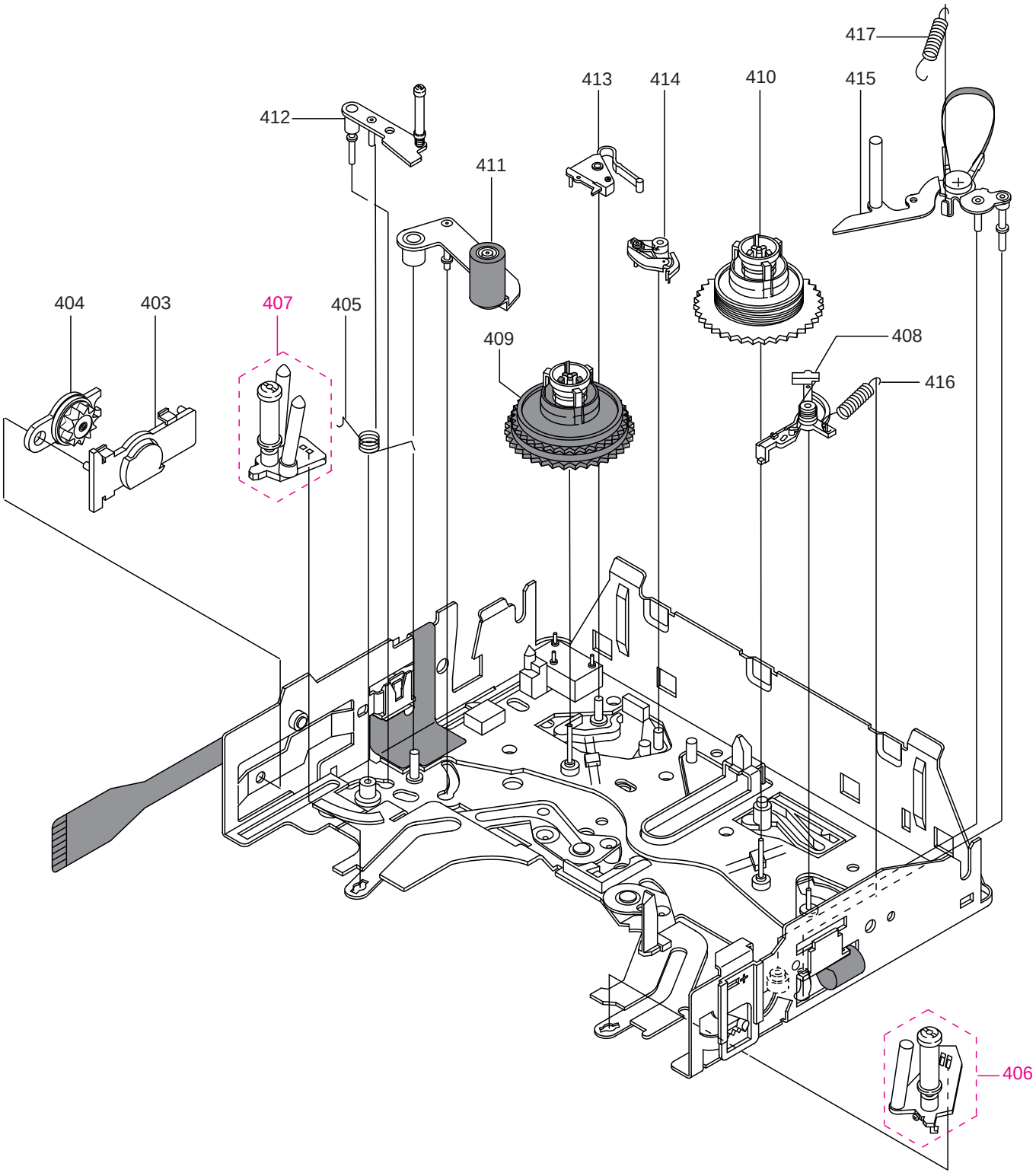
Loc. No	New Part No	Description and Specification	Remark
001	AC60-12115A	SCREW;UP,BH,-,M2,L9,SWRCH10A HDZ45	
002	AC60-10500E	SCREW-MACHINE;-,BWSH,+UP,M2,L5,ZPCNYLOCK,SWR	
003	AC60-10500E	SCREW-MACHINE;-,BWSH,+UP,M2,L5,ZPCNYLOCK,SWR	
004	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1018,	
005	AC60-12112A	SCREW-BH;-,BH,+,M1.4,L2,-	
021	AC60-30015A	WASHER-SLIT;ID 1.1,OD 2.6,T 0.4,POLYSLIDER	
301	AC61-82004A	HOUSING-ASSY;-,-,-,DE-6,-	
302	AC96-10005X	ASSY-DRUM;DE5-6PH-SS,-	
303	AC66-40153A	ROLLER-IMP ASSY;-,YF-10,OD7,-,DE-6	
304	AC61-72009A	CONTACT-EARTH BRUSH;SECC/PBSP/CR/C,-,-,-,-,DE-5,-	
305	AC63-32091A	COVER-DRUM;DURACON(M90-44),-,-,-,-,-,DE-6	
401	AC63-30009A	COVER-REEL ASSY;ABS 95,HB,-,-,-,-,DE-6,-	
402	AC66-12035A	IDLER-ASSY;-,-,DE-6	

6-5 Mechanical Parts (2)



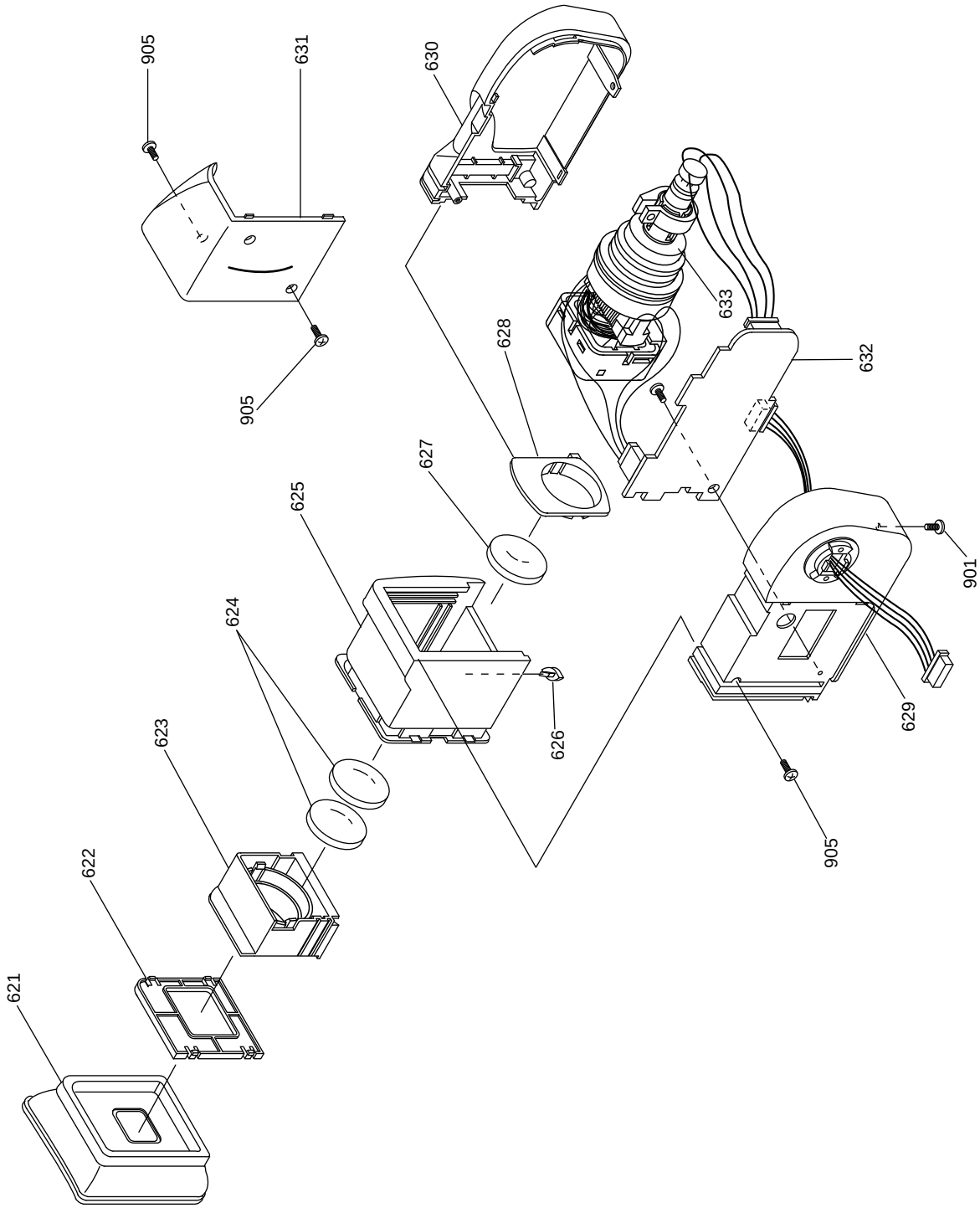
Loc. No	New Part No	Description and Specification	Reamrk
004	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1018,	
005	AC60-12112A	SCREW-BH;-,BH,+,M1.4,L2,-	
020	AC60-30017A	WASHER-SLIT;ID 1,OD 2.6,T 0.4,POLYSLIDER,-	
501	AD31-12002A	MOTOR-CAPSTAN;DMCCHL06B,-,-	
502	AC66-22123A	GEAR-CAPSTAN(ASSY);-,-,-,-,-,DE-6	
503	AC66-22124A	GEAR-PULLEY(ASSY);-,-,-,-,-,DE-6	
504	AC66-62001A	BELT-TIMMING;POLYURETHAN,L137 T0.4,-,-,-,-	
505	AC66-32197A	LEVER-CAM;SUS430-CP,T0.6,-,-,DE-6,-	
506	AC66-42005A	ROLLER-CAM MAIN;SUS303,-,-,PI3.5X1.1	
507	AC66-22092A	GEAR-CAM MAIN;SUS304-CSP,M0.5,Z64,-,-,-	
508	AC66-82055A	SLIDER-MAIN(ASSY);-,-,-,-,DE-6	
509	AC66-32198A	LEVER-EJECT;DURANEX #3300,-,-,-,DE-6,-	
510	AC34-22001C	SWITCH-MODE ASSY;HMW0484-01WA,DE-6,-,-,-,-,-,-	
511	AC66-22126A	GEAR-LOADING;DURACON(99-44),M0.4,Z37 WO,-,-	
512	AC31-12001P	MOTOR-LOADING ASSY;DE-6,-,-	

6-6 Mechanical Parts (3)



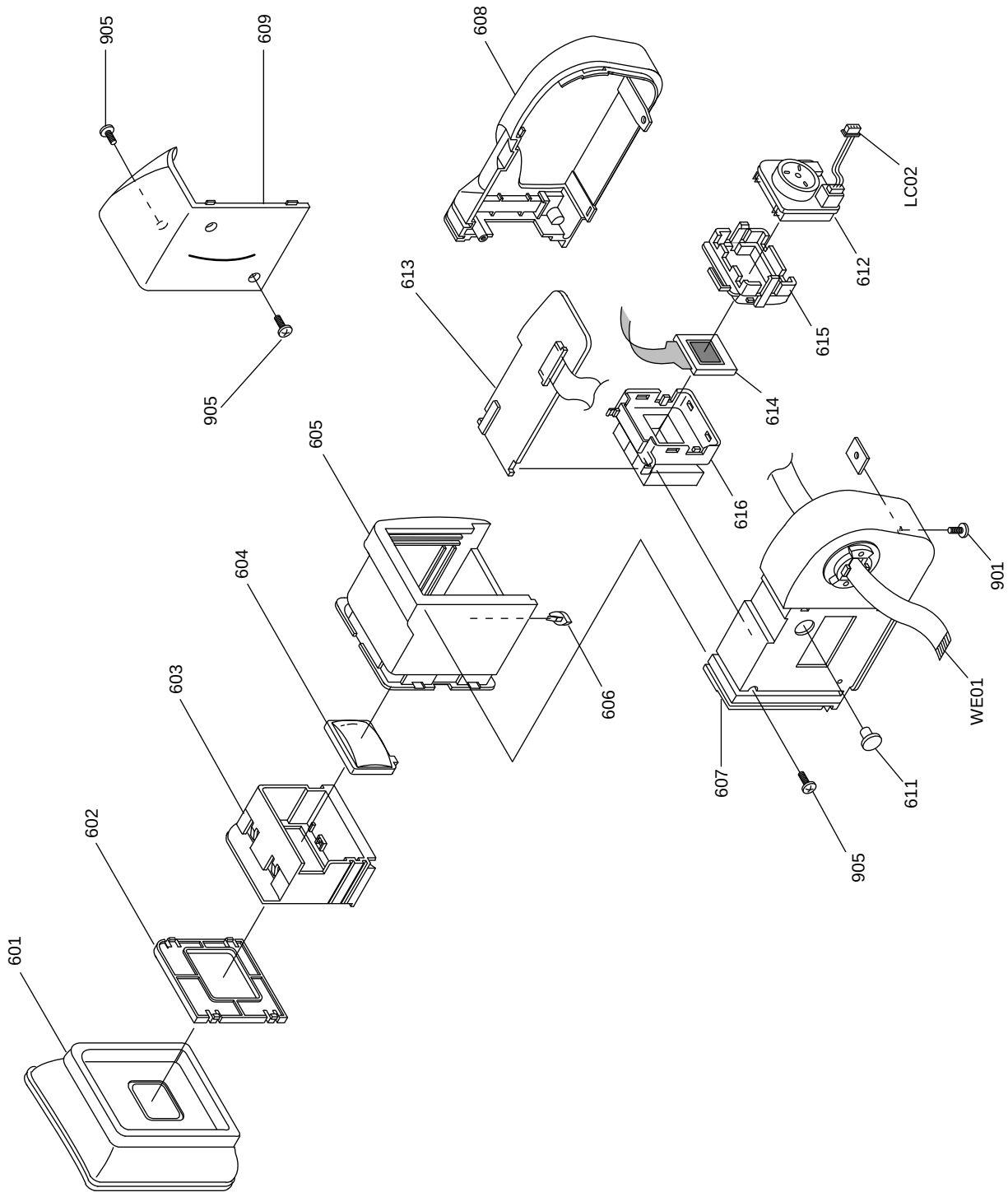
Loc. No	New Part No	Description and Specification	Remark
403	63313-0198-00	COVER-DAMPER;DURACON(M90-44) NTR DE-6	
404	AC61-82002A	DAMPER-HOUSING;Y29TO-E,-,14G,-,-,DE-6,-	
405	62724-0278-00	SPRING-REVIEW ARM;PS SUS304-WPB PI0.3	
406	AC61-52014A	POLE-BASE S(ASSY);ZDC2/SUS303,-,-,-,-,DE-6,-	
407	AC61-52015A	POLE-BASE T(ASSY);ZDC2/SUS303,-,-,-,-,DE-6,-	
408	AC66-32221A	BRAKE-SUB S(ASSY);-,-,-,-,DE-6,-	
409	AC66-12042A	REEL-T(ASSY);-,-,-,DE-6	
410	AC66-12041A	REEL-S(ASSY);-,-,-,DE-6	
411	AC66-32217A	ARM-PINCH ROLLER(ASS;-,-,-,-,DE-6	
412	AC66-32213A	ARM-REVIEW ASSY;-,-,-,-,DE-6	
413	AC66-32223A	BRAKE-MAIN(T);DURACON(M904-44),-,-,-,-,-	
414	AC66-30120A	BRAKE-SOFT T (ASSY);-,-,-,-,DE-6,-	
415	AC66-30093A	ARM-TENSION (ASSY);SUS304-CSP POM FELT,-,-,-,DE-	
416	AC61-62022A	SPRING-SOFT BRAKE(S);-,SUS304,-,-,-,-,-	
417	AC61-62023A	SPRING-TENSION;-,SUS304-WPB,-,-,-,-,-	

6-7 EVF (VP-A50/VP-A55)



Loc. No	New Part No	Description and Specification	Remark
621	AD73-10014A	RUBBER-EYE CUP;SILICON,-,VP-A57,-	
622	AD61-40376A	STOPPER-LENS;-,ABS94,HB,-,-,VP-A57	
623	AD61-20990A	HOLDER-LENS(B/W);-,ABS 94,HB,-,-,VP-A57	
624	AC67-12070A	LENS-EVF(MD);PMMA D19.1 ASP,-,-,-,-	
625	AD61-11007B	BODY-LENS;-,ABS94,HB,-,-,-,VP-A17	
626	AD64-10777A	KNOB-SLIDE;-,ABS,HB,-,-,VP-A57	
627	AC67-10066A	LENS-EVF GJ;-,OPT,GRASS -F1,D11.5,-,CS 96,-	
628	AC61-20260A	HOLDER- EYE LENS B;ABS 94,HB,BLK,-,-,VP-A57	
629	AD59-10363A	UNIT-EVF R (B/W);VP-A57,-	
630	AD64-30843A	CASE-EVF L;-,ABS 94,V0,-,-,-,-,VP-A57	
631	AD63-30538A	COVER-CASE EVF;-,ABS94,HB,-,BLK,-,-,VP-A57	
632	AD90-10803R	ASSY-EVF BOARD;CS97A,PAL	
633	AC90-10012V	ASSY-CRT;CS96(SPORTS),-	
901	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	
905	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
WE02	AD39-20825F	LEAD CONNECTOR-ASSY;-,51021,51021,5P,110MM,1061#	

6-8 CVF (VP-A52/VP-A57)



Loc. No	New Part No	Description and Specification	Remark
601	AD73-10014A	RUBBER-EYE CUP;SILICON,-,VP-A57,-	
602	AD61-40376A	STOPPER-LENS;-,ABS94,HB,-,-,VP-A57	
603	AD61-20989A	HOLDER-LENS(COLOR);-,ABS 94,HB,-,-,VP-A57	
604	AC67-12071A	LENS-EVF;PMMA D22.8 SQ,-,-,-,-,-	
605	AD61-11007A	BODY-LENS;-,ABS94,HB,-,BLK,-,-,VP-A57	
606	AD64-10777A	KNOB-SLIDE;-,ABS,HB,-,-,VP-A57	
607	AD59-10361A	UNIT-EVF R;VP-A57,-	
608	AD64-30843A	CASE-EVF L;-,ABS 94,V0,-,-,-,-,VP-A57	
609	AD63-30538A	COVER-CASE EVF;-,ABS94,HB,-,BLK,-,-,VP-A57	
611	AD61-20918A	CAP-FOCUS;-,MBR,-,BLK,-,VP-K70	
612	AD90-10806T	ASSY-B/L BOARD;VP-A57,PAL	
613	AD90-10806U	ASSY-CVF BOARD;VP-A57,PAL	
614	AC07-10001L	LCD DISPLAY;LCX005BKB,COLOR,537*222,0.5 IN	
615	AC61-20173A	HOLDER-LIGHT;ABS 94,HB,BLK,-,VP-K75,-	
616	AD61-22009A	HOLDER-LCD;-,ABS 94,HB,-,-,CS97	
901	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	
905	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
WE01	AD41-20301B	FPC-CVF;POLYMIDE,T0.18,12P,VP-A57	
WE02	AC39-20017C	LEAD CONNECTOR-ASSY;75MM,51021-03,1.5/1.25MM,CGP	

MEMO

7. Electrical Parts List

Note : 1. According to the change of Part-No system, old and new parts are listed in this service manual together. When ordering a service part, be sure to use the only new part.

Loc. No	New Part No	Description and Specification	Remark
185	**AD90-10805H**	**ASSY-DC/DC BOARD**	
C901	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,1608,-,TP	
C902	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C903	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C904	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,1608,-,TP	
C905	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,1608,-,TP	
C906	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C907	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C908	2203-001585	C-CERAMIC,CHIP;180PF,5%,50V,CH,1608,1.6MM,TP	
C909	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C910	2203-001693	C-CERAMIC,CHIP;820PF,10%,50V,X7R,1608,1.6MM,T	
C911	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,1608,1.6MM,TP	
C912	2203-001693	C-CERAMIC,CHIP;820PF,10%,50V,X7R,1608,1.6MM,T	
C913	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,1608,1.6MM,TP	
C914	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,1608,1.6MM,TP	
C915	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,1608,1.6MM,TP	
C916	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,CH,1608,-,TP	
C917	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C918	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C919	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C920	2203-001724	C-CERAMIC,CHIP;4.7UF,+80-20%,16V,Y5V,3216,-,T	
C921	2203-001724	C-CERAMIC,CHIP;4.7UF,+80-20%,16V,Y5V,3216,-,T	
C922	2203-001724	C-CERAMIC,CHIP;4.7UF,+80-20%,16V,Y5V,3216,-,T	
CN901	3711-002137	CONNECTOR-HEADER;BOX,44P,2R,0.8,ANGLE,SN	
CN902	B6012-0249	CONNECTOR-HOUSING;SD-52365-0891 WHT MOLEX	
CT901	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT902	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT906	2203-001724	C-CERAMIC,CHIP;4.7UF,+80-20%,16V,Y5V,3216,-,T	
CT907	2203-001724	C-CERAMIC,CHIP;4.7UF,+80-20%,16V,Y5V,3216,-,T	
CT908	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT909	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT910	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT911	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT912	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT913	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT914	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CT915	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT916	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT917	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT918	2404-000187	C-TA,CHIP;22UF,20%,10V,-,6032,-,TP	
CT919	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CT920	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CT921	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CT924	2203-001724	C-CERAMIC,CHIP;4.7UF,+80-20%,16V,Y5V,3216,-,T	
D903	0407-001013	DIODE-ARRAY;MA160A,80V,100MA,CX2,SOT-143,T	
D904	0403-000645	DIODE-ZENER;RD-12M,12V,11.42-11.9V,200MW,S	
IC901	AC14-12009V	IC-S/W REGU;TL1455C,5CH,DIP	
L901	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	

Loc. No	New Part No		Description and Specification	Remark
L902	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L903	2703-000402		INDUCTOR-SMD;1UH,20%,3.2X2.5X2.2MM	
L904	2703-000408		INDUCTOR-SMD;3.3UH,20%,3.2X2.5X2.2MM	
L905	2703-000408		INDUCTOR-SMD;3.3UH,20%,3.2X2.5X2.2MM	
L906	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L907	2703-001020		INDUCTOR-SMD;47UH,20%,7X7X3.2MM	
L908	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L909	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L910	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L911	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L912	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L913	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L914	2703-001194		INDUCTOR-SMD;100UH,20%,7X7X3.2MM	
L915	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L916	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L917	2703-000398		INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L918	2703-001196		INDUCTOR-SMD;150UH,20%,7X7X3.2MM	
L919	2703-000351		INDUCTOR-SMD;100UH,20%,7.3X7.3X4.75MM	
L920	2703-000399		INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L922	2703-000407		INDUCTOR-SMD;330UH,10%,3.2X2.5X2.2MM	
PS901	B3065-0167	⚠	FUSE;FSF 125V 2.0A 6.1MM UL/CSA 451002 C	
Q901	0501-000218		TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q902	0501-000681		TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,140-560	
Q903	0504-000113		TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q904	0501-000172		TR-SMALL SIGNAL;2SB1121,PNP,500MW,PCP,TP,100-5	
Q905	0501-000218		TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q906	0501-000681		TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,140-560	
Q907	0501-000218		TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q908	0501-000681		TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,140-560	
Q909	0501-000218		TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q910	0501-000681		TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,140-560	
Q911	0501-000218		TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q912	0501-000172		TR-SMALL SIGNAL;2SB1121,PNP,500MW,PCP,TP,100-5	
Q917	0504-000113		TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q918	0504-000107		TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
Q919	0504-000194		TR-DIGITAL;DTC124EU,NPN,200MW,22K-22K,SC-	
Q921	0504-000194		TR-DIGITAL;DTC124EU,NPN,200MW,22K-22K,SC-	
Q922	0504-000107		TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
R901	2007-000078		R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R902	2007-000103		R-CHIP;120KOHM,5%,1/16W,DA,TP,1608	
R903	2007-001649		R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R904	2007-001649		R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R905	2007-000078		R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R906	2007-000103		R-CHIP;120KOHM,5%,1/16W,DA,TP,1608	
R907	2007-001649		R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R908	2007-001649		R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R909	2007-000078		R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R910	2007-000103		R-CHIP;120KOHM,5%,1/16W,DA,TP,1608	
R911	2007-001649		R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R912	2007-001649		R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R913	2007-001650		R-CHIP;8.2KOHM,0.5%,1/16W,DA,TP,1608	
R914	2007-000075		R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R915	2007-000093		R-CHIP;20KOHM,5%,1/16W,DA,TP,1608	
R916	2007-000090		R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R917	2007-000766		R-CHIP;330OHM,5%,1/10W,DA,TP,2012	

Loc. No	New Part No		Description and Specification	Remark
R918	2007-000090		R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R919	2007-000081		R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R920	2007-000572		R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R921	2007-000572		R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R922	2007-000094		R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R923	2007-000090		R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R924	2007-000086		R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R925	2007-000766		R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R926	2007-000090		R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R927	2007-000086		R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R928	2007-000124		R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R929	2007-000458		R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R930	2007-001118		R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
R931	2007-000086		R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R932	2007-000079		R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R933	2007-000124		R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R934	2007-000458		R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R935	2007-001118		R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
R936	2007-000086		R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R937	2007-000079		R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R938	2007-001179		R-CHIP;8.2KOHM,5%,1/16W,DA,TP,1608	
R939	2007-000468		R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R940	2007-001691		R-CHIP;33KOHM,0.5%,1/16W,DA,TP,1608	
R941	2007-001645		R-CHIP;2.7KOHM,0.5%,1/16W,DA,TP,1608	
R942	2007-000097		R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R943	2007-000070		R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R945	2007-000070		R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R946	2007-000084		R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R947	2007-000094		R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R948	2007-000129		R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R949	2007-000075		R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R952	2007-000077		R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R953	2007-000077		R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R954	2007-000070		R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
SW901	3404-000119		SWITCH-TACT;12V,50MA,-,-,-	
SW902	3408-000296		SWITCH-SLIDE;5V,1A,-,-	
T901	AD26-20120E	⚠	TRANS-CONVERTOR;REEL,-,CMS64(480UH);VP-A57	
VR901	2104-000115		VR-SMD;1KOHM,25%,0.15W,TOP	
VR902	2104-000115		VR-SMD;1KOHM,25%,0.15W,TOP	
VR903	2104-000115		VR-SMD;1KOHM,25%,0.15W,TOP	
VR904	2101-001018		VR-ROTARY;50KOHM,30%,0.03W,TOP	

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	AD90-10809N	VP-A50
	AD90-10812D	VP-A52
	AD90-10805F	VP-A55/VP-A57

VCR BLOCK

SYSTEM CONTROL/SERVO PARTS

C502	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP
C503	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP
C504	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP
C505	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP
C506	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,1608,1.6MM,TP

Loc. No	New Part No	Description and Specification	Remark
C507	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,1608,1.6MM,TP	
C508	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C509	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C510	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C511	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C512	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C513	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C514	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C515	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,1608,-,TP	
C516	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,1608,-,TP	
C517	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C518	2203-001607	C-CERAMIC,CHIP;220PF,5%,50V,CH,1608,1.6MM,TP	
C519	2203-001607	C-CERAMIC,CHIP;220PF,5%,50V,CH,1608,1.6MM,TP	
C520	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C521	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C522	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C523	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
C524	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C525	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C526	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C527	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
C528	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C529	2404-000130	C-TA,CHIP;10UF,20%,20V,-,6032,-,TP	
C531	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C532	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C533	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
C534	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C535	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
C536	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C537	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C538	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C539	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C540	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C541	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C542	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C543	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C544	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,1608,-,TP	
C545	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,1608,-,TP	
C546	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,1608,-,TP	
C547	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C548	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C549	B1100-0916	C-CERAMIC,CHIP;CK 73 Y5V 16V T 334-Z C2012 GRM40	
C550	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
C551	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C552	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C553	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C554	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C555	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C556	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C557	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C558	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C559	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C560	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C561	61454-160-154	C-CERAMIC CHIP;C1608 F1C 154T-Z	
C562	61454-160-154	C-CERAMIC CHIP;C1608 F1C 154T-Z	

Loc. No	New Part No	Description and Specification	Remark
C563	61454-160-154	C-CERAMIC CHIP;C1608 F1C 154T-Z	
C564	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C566	2404-000190	C-TA,CHIP;22UF,20%,16V,-,5832,-,TP	
C567	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C569	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C570	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C571	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CN501	3711-002130	CONNECTOR-HEADER;BOX,48P,2R,0.8,ANGLE,SN	
CN502	3708-000403	CONNECTOR-FPC/FC/PIC;22P,0.5MM,STRAIGHT,SN	
CN503	3710-000409	CONNECTOR-SOCKET;44P,2R,0.8MM,-,	
CTP01	3710-000396	CONNECTOR-SOCKET;30P,2R,0.8MM,STRAIGHT,SN	
IC501	AD11-10020A	MASK-ROM;CXP871P40,100P,QFP,VP-N55,8BIT	
IC502	1204-001124	IC-VIDEO SYSTEM;CXA1814N,SOP,30P,-,PLASTIC,7V,	
IC503	1003-001015	IC-MOTOR DRIVER;LB8112,SOP,30P,220MIL,SINGLE,6	
IC504	1003-001012	IC-MOTOR DRIVER;LB1950,SOP,30P,300MIL,SINGLE,0	
IC505	1003-001020	IC-MOTOR DRIVER;LB1951,SOP,24P,-,SINGLE,1MA,ST	
IC506	AC14-12012T	IC-OP AMP;TA75S01F(TE85L),QFP,-	
IC507	1102-001043	IC-EPROM;29194,1KX16BIT,SOP,8P,150MIL,2	
L504	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L505	B1160-0052	INDUCTOR,CHIP;47UH-K 73 NLC322522T-470K C3225	
L506	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L507	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L508	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L509	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
Q501	0502-000432	TR-POWER;2SB1302,PNP,1.3W,SC-62,TP,100-	
Q502	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q503	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
R501	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R502	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R504	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R505	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R506	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R507	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R508	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R510	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R511	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R512	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R513	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R514	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R515	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R516	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R517	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R518	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R519	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R520	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R521	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R522	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R523	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R524	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R525	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R526	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R528	2007-000052	R-CHIP;10KOHM,1%,1/16W,DA,TP,1608	
R529	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R530	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R531	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
R532	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R533	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R544	2007-000755	R-CHIP;330KOHM,1%,1/16W,DA,TP,1608	
R545	2007-000772	R-CHIP;33KOHM,1%,1/16W,DA,TP,1608	
R546	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R547	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R548	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R549	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R550	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R551	2007-000067	R-CHIP;15KOHM,1%,1/16W,DA,TP,1608	
R552	2007-000067	R-CHIP;15KOHM,1%,1/16W,DA,TP,1608	
R553	2007-000067	R-CHIP;15KOHM,1%,1/16W,DA,TP,1608	
R554	2007-000939	R-CHIP;47KOHM,1%,1/16W,DA,TP,1608	
R555	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
R556	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R557	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R558	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R559	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R560	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R561	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R562	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R563	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R564	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R565	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R566	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R567	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R568	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R569	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R570	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R571	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R572	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R573	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R574	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R575	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R576	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R578	2007-000755	R-CHIP;330KOHM,1%,1/16W,DA,TP,1608	
R579	2007-000755	R-CHIP;330KOHM,1%,1/16W,DA,TP,1608	
R580	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R581	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R582	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R583	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R584	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R585	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R586	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R587	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R588	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R589	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R590	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R591	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R592	2007-000093	R-CHIP;20KOHM,5%,1/16W,DA,TP,1608	
R593	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R594	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R595	2007-000503	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1608	
R596	2007-000503	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1608	
R597	2007-000503	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
R599	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R602	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R604	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R605	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R608	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R609	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R610	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R611	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R612	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R613	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R614	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R615	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R616	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R617	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R618	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R619	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R621	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R622	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R625	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R626	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R627	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R628	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R629	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R630	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R631	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R632	2007-000065	R-CHIP;2.2MOHM,5%,1/16W,DA,TP,1608	
R637	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R638	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R639	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R640	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R642	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R643	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R644	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R645	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R646	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
S501	3408-000297	SWITCH-SLIDE;5V,1A,-,-	
X501	2801-003239	CRYSTAL-SMD;11.71875MHZ,50PPM,28-ABL,13PF,	
PRE-AMP PARTS			
C101	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
C102	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,CH,1608,-,TP	
C103	2203-001679	C-CERAMIC,CHIP;68NF,+80-20%,25V,Y5V,2012,2MM,	
C104	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C105	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
C106	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C107	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C108	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C109	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,CH,1608,-,TP	
C110	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C111	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C112	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,CH,1608,-,TP	
C113	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C114	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C115	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C116	2203-001632	C-CERAMIC,CHIP;330PF,5%,50V,CH,1608,1.6MM,TP	

Loc. No	New Part No	Description and Specification	Remark
C117	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C118	2203-001632	C-CERAMIC,CHIP;330PF,5%,50V,CH,1608,1.6MM,TP	
C119	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C120	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C121	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C122	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C123	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C124	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
C125	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C126	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C127	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C128	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C129	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C130	2203-001616	C-CERAMIC,CHIP;270PF,5%,50V,CH,1608,1.6MM,TP	
C131	2203-001616	C-CERAMIC,CHIP;270PF,5%,50V,CH,1608,1.6MM,TP	
C132	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,CH,1608,1.6MM,TP	
C133	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,1608,-,TP	
C134	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,1608,1.6MM,T	
C135	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,CH,1608,1.6MM,TP	
C136	2203-001658	C-CERAMIC,CHIP;47PF,5%,50V,CH,1608,1.6MM,TP	
C138	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,1608,1.6MM,T	
C139	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C140	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,1608,-,TP	
C141	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C142	2203-001588	C-CERAMIC,CHIP;18PF,5%,50V,CH,1608,1.6MM,TP	
C143	2203-001588	C-CERAMIC,CHIP;18PF,5%,50V,CH,1608,1.6MM,TP	
C144	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C145	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C146	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C147	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C148	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,CH,1608,-,TP	
C149	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,CH,1608,-,TP	
C150	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C151	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C152	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,1608,-,TP	
C153	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C154	2203-000851	C-CERAMIC,CHIP;39PF,5%,50V,CH,1608,-,TP	
C155	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C156	2203-001083	C-CERAMIC,CHIP;5PF,0.1PF,50V,NPO,1608,-,TP	
C157	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C158	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,CH,1608,-,TP	
C159	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,CH,1608,-,TP	
C160	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C161	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C162	2203-001688	C-CERAMIC,CHIP;7PF,0.5PF,50V,CH,1608,1.6MM,TP	
C163	2203-001699	C-CERAMIC,CHIP;8PF,0.5PF,50V,CH,1608,1.6MM,TP	
C164	2203-001588	C-CERAMIC,CHIP;18PF,5%,50V,CH,1608,1.6MM,TP	
C165	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,CH,1608,-,TP	
C166	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C167	2203-001083	C-CERAMIC,CHIP;5PF,0.1PF,50V,NPO,1608,-,TP	
C168	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,1608,1.6MM,T	
C170	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C171	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C172	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,CH,1608,-,TP	
C173	2203-001658	C-CERAMIC,CHIP;47PF,5%,50V,CH,1608,1.6MM,TP	

Loc. No	New Part No	Description and Specification	Remark
C174	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,1608,-,TP	
C175	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,CH,1608,1.6MM,TP	
C176	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C177	2203-001585	C-CERAMIC,CHIP;180PF,5%,50V,CH,1608,1.6MM,TP	
C178	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C179	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,CH,1608,-,TP	
C180	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C181	2203-001683	C-CERAMIC,CHIP;68PF,5%,50V,CH,1608,1.6MM,TP	
C182	2203-001676	C-CERAMIC,CHIP;62PF,5%,50V,CH,1608,1.6MM,TP	
C183	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C184	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C185	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C186	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C187	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C188	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE101	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CE102	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CE103	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE104	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE105	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE106	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CE107	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE108	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE201	2402-000133	C-AL,SMD;220UF,20%,4V,GP,6.6*6.6*6.3,-,	
CE202	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE203	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE204	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE205	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CE206	2402-000133	C-AL,SMD;220UF,20%,4V,GP,6.6*6.6*6.3,-,	
CE207	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE208	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE209	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE210	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE211	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CE212	2404-000218	C-TA,CHIP;330NF,20%,35V,-,3216,-,TP	
CE213	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE214	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE215	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CE216	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE217	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE218	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE219	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CE220	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE221	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE222	2404-000204	C-TA,CHIP;3.3UF,20%,10V,-,3216,-,TP	
CE223	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE224	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CE225	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CE238	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CN101	AC41-22065A	FPC-CONNECTOR;00-6200-511-130-000,-,-,-	
D101	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
IC101	1201-001091	IC-PREAMP;2002,QFP,48P,-,SINGLE,1000MV/V	
IC102	1201-001092	IC-RF AMP;1509,QFP,48P,-,SINGLE,-,PLASTI	
L101	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L102	2703-000363	INDUCTOR-SMD;10UH,5%,2.5X2X1.8MM	

Loc. No	New Part No	Description and Specification	Remark
L103	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L104	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L105	2703-000399	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L106	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
L107	2703-000381	INDUCTOR-SMD;180UH,5%,3.2X2.5X2.2MM	
L108	2703-000385	INDUCTOR-SMD;330UH,5%,3.2X2.5X2.2MM	
L109	2703-000388	INDUCTOR-SMD;470UH,5%,3.2X2.5X2.2MM	
L110	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L111	2703-000374	INDUCTOR-SMD;6.8UH,5%,2.5X2X1.8MM	
L112	2703-000363	INDUCTOR-SMD;10UH,5%,2.5X2X1.8MM	
L113	2703-000399	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L114	2703-000427	INDUCTOR-SMD;5.6UH,5%,2X2.5X1.8MM	
L115	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L116	2703-000380	INDUCTOR-SMD;18UH,5%,3.2X2.5X2.2MM	
L117	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L118	2703-000380	INDUCTOR-SMD;18UH,5%,3.2X2.5X2.2MM	
L119	2703-000349	INDUCTOR-SMD;120UH,5%,3.2X2.5X2.2MM	
L120	2703-000371	INDUCTOR-SMD;4.7UH,5%,2.5X2X1.8MM	
L121	2703-000371	INDUCTOR-SMD;4.7UH,5%,2.5X2X1.8MM	
L122	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L123	2703-000370	INDUCTOR-SMD;47UH,5%,2.5X2X1.8MM	
L124	2703-000187	INDUCTOR-SMD;3.3UH,5%,2X2.5X1.8MM	
L125	2703-000380	INDUCTOR-SMD;18UH,5%,3.2X2.5X2.2MM	
Q101	0506-000148	TR-ARRAY;UMT2N,PNP,2,-50V,-40V,-100MA,3	
Q102	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q103	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q104	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q105	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q106	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q107	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q108	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q109	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q110	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q111	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q112	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q113	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q114	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q115	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q116	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q117	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
R101	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
R102	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R103	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R104	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R105	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R106	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R107	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R108	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R109	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R110	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R111	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R112	2007-000118	R-CHIP;390OHM,5%,1/16W,DA,TP,1608	
R113	2007-000118	R-CHIP;390OHM,5%,1/16W,DA,TP,1608	
R114	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R115	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
R116	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R117	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R118	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R119	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R120	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R121	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R122	2007-000125	R-CHIP;3.9KOHM,5%,1/16W,DA,TP,1608	
R123	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R124	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R125	2007-000133	R-CHIP;330KOHM,5%,1/16W,DA,TP,1608	
R126	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R127	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R128	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R129	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R130	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R131	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R132	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R133	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608	
R134	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R135	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R136	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R137	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R138	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R140	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R141	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R142	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R143	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R144	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R145	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R146	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R147	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R148	2007-000125	R-CHIP;3.9KOHM,5%,1/16W,DA,TP,1608	
R149	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R150	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R151	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R152	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R153	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R154	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R155	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R156	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R157	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R158	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R159	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R160	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R161	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R162	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R163	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R164	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R165	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R166	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R167	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R168	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R169	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R171	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R172	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
R173	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R174	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R175	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R176	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R177	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R178	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R179	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R180	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R181	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R182	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R183	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R184	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R185	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R186	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R187	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R188	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R189	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R190	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R191	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R192	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R193	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R194	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
VIDEO PARTS			
C201	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C202	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C203	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	
C204	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C205	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C206	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	
C207	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C208	2203-001598	C-CERAMIC,CHIP;2.2UF,+80-20%,16V,Y5V,2012,-,T	
C209	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C210	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	
C211	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C212	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C213	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C214	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
C215	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C216	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C217	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C218	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C219	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C220	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C221	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,1608,-,TP	
C222	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C223	2203-001607	C-CERAMIC,CHIP;220PF,5%,50V,CH,1608,1.6MM,TP	
C224	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C225	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,1608,1.6MM,T	
C226	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,1608,1.6MM,T	
C227	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,CH,1608,-,TP	
C228	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,CH,1608,-,TP	
C230	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C231	2203-001607	C-CERAMIC,CHIP;220PF,5%,50V,CH,1608,1.6MM,TP	
C232	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	

Loc. No	New Part No	Description and Specification	Remark
C233	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	
C234	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C235	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,1608,1.6M	
C236	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C237	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C238	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C239	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C240	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	
C241	2203-001628	C-CERAMIC,CHIP;30PF,5%,50V,CH,1608,1.6MM,TP	
C242	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C243	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,1608,1.6MM,T	
C244	2203-000851	C-CERAMIC,CHIP;39PF,5%,50V,CH,1608,-,TP	
C245	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,1608,1.6MM,TP	
C246	2203-000851	C-CERAMIC,CHIP;39PF,5%,50V,CH,1608,-,TP	
C247	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C248	2203-000851	C-CERAMIC,CHIP;39PF,5%,50V,CH,1608,-,TP	
C249	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C251	2203-001585	C-CERAMIC,CHIP;180PF,5%,50V,CH,1608,1.6MM,TP	
C252	2203-001658	C-CERAMIC,CHIP;47PF,5%,50V,CH,1608,1.6MM,TP	
C253	2203-001607	C-CERAMIC,CHIP;220PF,5%,50V,CH,1608,1.6MM,TP	
C254	2203-000341	C-CERAMIC,CHIP;130PF,5%,50V,NPO,2012,-,TP	
C256	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,CH,1608,-,TP	
C257	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,1608,1.6MM,TP	
C258	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C259	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C260	2203-001568	C-CERAMIC,CHIP;110PF,5%,50V,CH,1608,1.6MM,TP	
C261	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	
C262	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	
C263	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,1608,1.6MM,T	
C264	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	
C265	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C266	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C267	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,1608,1.6MM,TP	
C268	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C269	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C270	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,1608,1.6MM,T	
C271	2203-001699	C-CERAMIC,CHIP;8PF,0.5PF,50V,CH,1608,1.6MM,TP	
C272	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C273	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C274	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C275	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C276	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C277	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C278	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C279	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C281	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C282	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C283	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CN201	3708-001140	CONNECTOR-FPC/FC/PIC;12P,0.8MM,SMD-A,SN	
CN202	3711-003393	CONNECTOR-HEADER;BOX,18P,2R,0.8MM,SMD-S,SN	
CN203	3711-002617	CONNECTOR-HEADER;NOWALL,40P,2R,0.8MM,SMD-S,SN	
D201	0407-000115	DIODE-ARRAY;DAN202U,80V,100MA,CA2-3,SC-70,	
D202	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
D203	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
FL201	AD29-90200F	FILTER-LC;TP,MXF3535L5R00T,LP,5.0MHZ,T	

Loc. No	New Part No	Description and Specification	Remark
FL202	2909-001034	FILTER-LC;5MHZ,-,0.5DB,2DB/5MHZ,25DB/8.5	
FL203	2909-001034	FILTER-LC;5MHZ,-,0.5DB,2DB/5MHZ,25DB/8.5	
IC201	1204-001121	IC-VIDEO PROCESS;CXA2080R,QFP,64P,-,EPOXY RESIN	
IC202	1204-001123	IC-VIDEO PROCESS;CXA1822Q,QFP,32P,-,PLASTIC,7V,	
IC203	1209-001052	IC-ETC, LINEAR;CXA2003N,SOP,24P,-,PLASTIC,7V,	
IC204	AC14-12009X	IC;MB88346B,VSOP,-	
IC205	1204-001146	IC-OSD PROCESSOR;BU6251FV,SOP,20P,240MIL,PLASTI	
L201	2703-000399	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L202	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L203	2703-000001	INDUCTOR-SMD;10UH,10%,2.5X3.2X2MM	
L204	2703-000001	INDUCTOR-SMD;10UH,10%,2.5X3.2X2MM	
L205	2703-000364	INDUCTOR-SMD;100UH,5%,2.5X2X1.8MM	
L206	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
L207	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L208	2703-000370	INDUCTOR-SMD;47UH,5%,2.5X2X1.8MM	
L209	2703-000380	INDUCTOR-SMD;18UH,5%,3.2X2.5X2.2MM	
L210	2703-000365	INDUCTOR-SMD;15UH,5%,2.5X2X1.8MM	
L211	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L212	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L213	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM	
L214	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM	
L215	2703-000372	INDUCTOR-SMD;56UH,5%,2.5X2X1.8MM	
L216	2703-000001	INDUCTOR-SMD;10UH,10%,2.5X3.2X2MM	
Q201	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q202	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q203	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q204	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,1,50V,40V,100MA,	
Q205	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q206	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q207	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q208	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q209	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q210	0506-000146	TR-ARRAY;UMH6N,NPN,2,150MW,UM6,TP,68	
Q212	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q214	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q215	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q216	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q217	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q218	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q219	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q220	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q221	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q222	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q223	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q224	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q225	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q226	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q227	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
Q228	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
Q229	0501-000596	TR-SMALL SIGNAL;2SB970R,PNP,200MW,SOT-23,TP,13	
Q230	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q231	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,1,50V,40V,100MA,	
Q232	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,1,50V,40V,100MA,	
Q233	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,1,50V,40V,100MA,	
Q234	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	

Loc. No	New Part No	Description and Specification	Remark
Q235	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q236	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q237	0506-000146	TR-ARRAY;UMH6N,NPN,2,150MW,UM6,TP,68	
Q238	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q239	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
Q240	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q241	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
Q242	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
R201	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608	
R202	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608	
R203	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R204	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608	
R205	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608	
R206	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R207	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608	
R208	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608	
R209	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R210	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R211	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R212	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R213	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R214	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R215	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R216	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R217	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R218	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R219	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R220	2007-000583	R-CHIP;22KOHM,1%,1/16W,DA,TP,1608	
R221	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R222	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R223	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R224	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R225	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R226	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R227	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R228	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R229	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R230	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R231	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R232	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608	
R233	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R234	2007-000118	R-CHIP;390OHM,5%,1/16W,DA,TP,1608	
R235	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R236	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R237	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R238	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R239	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R240	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R241	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R242	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R244	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R248	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R249	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R250	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R251	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
R252	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R253	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R254	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R255	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R256	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R257	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R258	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R259	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R260	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R261	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R262	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R263	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R264	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R265	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R266	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R267	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R268	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R269	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R270	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R271	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R272	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R273	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R274	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R275	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R276	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
R277	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R278	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R279	2007-000093	R-CHIP;20KOHM,5%,1/16W,DA,TP,1608	
R280	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R281	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R282	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R283	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R284	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R285	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R286	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R287	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R288	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R289	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R290	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R291	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R292	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R294	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R295	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R296	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R297	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R298	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R299	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R300	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R301	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R302	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R303	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R305	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R306	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R307	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R309	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
R310	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R311	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R312	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R313	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R314	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R315	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R316	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R317	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R318	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R319	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R320	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R321	2007-001157	R-CHIP;750OHM,5%,1/16W,DA,TP,1608	
R322	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R323	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R324	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R325	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R326	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R327	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R328	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R329	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R330	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R331	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R332	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R334	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R335	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R336	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R338	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R339	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R340	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R341	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R346	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	

CAMERA BLOCK

PROCESS PARTS

CNP01	3710-000408	CONNECTOR-SOCKET;40P,2R,0.8MM,-,	
CP01	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CP02	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CP03	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP04	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	
CP05	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	
CP06	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CP09	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,2012,-,T	
CP10	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP11	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP12	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CP13	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CP15	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CP16	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CP17	2203-001618	C-CERAMIC,CHIP;27PF,5%,50V,CH,1608,1.6MM,TP	
CP18	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP20	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP27	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CP28	2203-001083	C-CERAMIC,CHIP;5PF,0.1PF,50V,NPO,1608,-,TP	
CP29	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	

Loc. No	New Part No	Description and Specification	Remark
CP31	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CP32	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	D.ZOOM OPTION
CP33	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	D.ZOOM OPTION
CP34	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CP35	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CP37	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,1608,1.6MM,T	
CP38	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	
CP39	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CP40	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP41	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CP42	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CP43	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CP44	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CP45	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CP46	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP47	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP48	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CP49	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP50	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CP51	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CP54	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CP56	2203-001658	C-CERAMIC,CHIP;47PF,5%,50V,CH,1608,1.6MM,TP	
CP60	2203-001658	C-CERAMIC,CHIP;47PF,5%,50V,CH,1608,1.6MM,TP	
CP71	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CP72	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	
DP03	0405-000151	DIODE-VARACTOR;1T379,30V,10NA,USMD,TP	
DP04	0405-000145	DIODE-VARACTOR;1T363A,30V,10NA,M-235,TP	
ICP01	1201-001049	IC-AGC AMP;2006,QFP,32P,7.0MIL,SINGLE,500	
ICP02	1201-001086	IC-OP AMP;75S558,SOP,5P,62.9MIL,DUAL,100	
ICP03	1002-001019	IC-A/D CONVERTER;CXD2312R,9BIT,QFP,48P,-,1/2LSB	
ICP04	1204-001072	IC-VIDEO PROCESS;CXD2180R,QFP,100P,-,PLASTIC,7V	
ICP05	1204-001070	IC-VIDEO SYSTEM;CXD2153AR,QFP,64P,-,PLASTIC,6.	D.ZOOM OPTION
ICP06	1204-001071	IC-IF DETECTOR;CXD2418R,QFP,48P,-,PLASTIC,7V,	
ICP07	1205-001053	IC-GENERATOR;CXD2415R,QFP,48P,-,PLASTIC,7V,	
ICP08	1201-001086	IC-OP AMP;75S558,SOP,5P,62.9MIL,DUAL,100	
LP01	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP03	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP04	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP05	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP07	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	D.ZOOM OPTION
LP08	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP09	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP10	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP11	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
QP01	0501-000676	TR-SMALL SIGNAL;2SA1774-R,PNP,150MW,EM3,TP,180	
QP02	0501-000676	TR-SMALL SIGNAL;2SA1774-R,PNP,150MW,EM3,TP,180	
QP03	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,1,50V,40V,100MA,	
QP04	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
QP05	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
QP06	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
QP07	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
RP04	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RP05	2007-001134	R-CHIP;68OHM,5%,1/16W,DA,TP,1608	
RP08	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP09	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
RP10	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP11	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP15	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP17	2007-000819	R-CHIP;390KOHM,5%,1/16W,DA,TP,1608	
RP18	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RP19	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
RP20	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RP21	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RP22	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RP23	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RP24	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RP25	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RP26	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RP29	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RP30	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RP31	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RP32	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	VP-A52 ONLY
RP33	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	EIS OPTION
RP34	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	VP-A52 ONLY
RP35	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	EIS OPTION
RP36	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP42	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP43	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RP46	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP48	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP49	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP50	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RP52	2007-001056	R-CHIP;6.2KOHM,5%,1/16W,DA,TP,1608	
RP53	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
RP54	2007-001056	R-CHIP;6.2KOHM,5%,1/16W,DA,TP,1608	
RP55	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP56	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
RP90	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP91	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP92	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP94	2007-000683	R-CHIP;3.3KOHM,1%,1/16W,DA,TP,1608	
RP95	2007-001442	R-CHIP;10OHM,5%,1/16W,DA,TP,1608	
RP96	2007-001442	R-CHIP;10OHM,5%,1/16W,DA,TP,1608	
XP01	2801-003251	CRYSTAL-SMD;28.375MHZ,30PPM,28-ABL,8.0PF,5	
XP02	2801-003254	CRYSTAL-SMD;17.734475MHZ,20PPM,28-ABN,12.8	
DRIVE PARTS			
CC01	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,CH,1608,-,TP	
CC02	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,CH,1608,-,TP	
CC03	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC04	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC05	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC06	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
CC07	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,1608,-,TP	
CC08	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC13	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CC14	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CC15	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
CC17	2404-000187	C-TA,CHIP;22UF,20%,10V,-,6032,-,TP	
CC18	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	

Loc. No	New Part No	Description and Specification	Remark
CC19	2404-000232	C-TA,CHIP;4.7UF,20%,10V,-,3216,-,TP	
CC20	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC21	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CC22	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CC23	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CC24	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC25	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,CH,1608,1.6MM,TP	
CC26	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,CH,1608,-,TP	
CC28	2404-000141	C-TA,CHIP;10UF,20%,6.3V,-,3528,-,TP	
CC29	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC30	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC31	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,1608,1.6MM,TP	
CC32	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,1608,1.6MM,TP	
CC33	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC34	2404-000254	C-TA,CHIP;47UF,20%,10V,-,7343,-,TP	
CC35	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC36	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,1608,-,TP	
CC37	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CC38	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CC39	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CC40	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC41	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CC42	2203-002199	C-CERAMIC,CHIP;2.4NF,0.1,50V,X7R,1608,-,TP	
CC43	2203-002199	C-CERAMIC,CHIP;2.4NF,0.1,50V,X7R,1608,-,TP	
CC46	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CC47	2404-000187	C-TA,CHIP;22UF,20%,10V,-,6032,-,TP	
CC48	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
DC01	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DC02	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DC03	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DC04	0407-000143	DIODE-ARRAY;DAN235U,35V,-,CA2-3,EM3,TP	
DC05	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
ICC01	1201-000240	IC-OP AMP;2902,SOP,14P,173MIL,QUAD,15V/M	
ICC02	1002-001013	IC-D/A CONVERTER;MB88346L,8BIT,SOP,20P,-,+-1.5L	
ICC03	1203-001021	IC-VOLTAGE REGULATOR;8423,SOP,8P,251MIL,PLASTIC,	
ICC04	AD09-12001J	IC-AF MICOM;CXP81732,QFP,100	
ICC05	AD11-12001E	IC-EEPROM;XL24C02,SOP,8P	
ICC06	1003-001071	IC-MOTOR DRIVER;MPC17AT85VM,SOP,30P,206MIL,-,1	
ICC07	AC14-12008A	IC-LOGIC;TC7W08FU-TE12L,SOP,TAPE 8P	
ICC08	1201-000200	IC-OP AMP;3414,SOP,8P,173MIL,DUAL,-,PLAS	
LC01	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC02	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC03	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC04	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC05	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC06	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
QC02	0501-000676	TR-SMALL SIGNAL;2SA1774-R,PNP,150MW,EM3,TP,180	
QC11	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
QC12	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
QC13	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
QC14	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
QC15	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
RC01	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RC02	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RC03	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
RC04	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RC05	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RC06	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RC07	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RC08	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RC10	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC11	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC12	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RC13	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
RC14	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RC15	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC16	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RC19	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
RC21	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
RC22	2007-001442	R-CHIP;10OHM,5%,1/16W,DA,TP,1608	
RC24	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RC25	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC26	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RC29	2007-000133	R-CHIP;330KOHM,5%,1/16W,DA,TP,1608	
RC30	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
RC32	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RC36	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC37	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC38	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC40	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC41	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC52	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
RC53	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
RC54	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC55	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC56	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC57	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RC58	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RC59	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RC60	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RC61	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RC62	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC64	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC65	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC66	2007-000098	R-CHIP;56KOHM,5%,1/16W,DA,TP,1608	
RC67	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC68	2007-000098	R-CHIP;56KOHM,5%,1/16W,DA,TP,1608	
RC70	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RC71	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC72	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC73	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RC79	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC80	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RC81	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
RC82	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC83	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC90	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC91	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC93	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC94	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
RC95	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC98	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
XC01	2801-001449	CRYSTAL-SMD;32.768KHZ,20PPM,28-AAW,12.5PF,	
XC02	2801-001417	CRYSTAL-SMD;12MHZ,50PPM,26-AAE,12PF,70OHM,	
EIS 2 PARTS (VP-A55/VP-A57 ONLY)			**EIS OPTION**
CE25	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE26	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE27	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
CE28	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
CE29	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
CE30	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
DE01	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DE02	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DE03	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DE04	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
ICE01	AD09-12001H	IC-EIS MICOM;CXP81120,QFP,64	
LE02	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
RE28	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE29	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE30	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE32	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE35	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RE38	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
181		**ASSY-AUDIO BOARD**	
	AD90-10809P	VP-A50/VP-A52	
	AD90-10805E	VP-A55,VP-A57	EIS OPTION
AUDIO PARTS			
C701	2404-000250	C-TA,CHIP;470NF,20%,25V,-,3216,-,TP	
C702	2404-000250	C-TA,CHIP;470NF,20%,25V,-,3216,-,TP	
C703	2402-001016	C-AL,SMD;33UF,20%,6.3V,-,4.3X4.3X5.8MM,	
C704	2402-000187	C-AL,SMD;220NF,20%,50V,-,3X5.5MM,-,TP	
C705	2402-000187	C-AL,SMD;220NF,20%,50V,-,3X5.5MM,-,TP	
C706	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,5.3X1.5X5.4,1	
C707	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
C708	2402-000187	C-AL,SMD;220NF,20%,50V,-,3X5.5MM,-,TP	
C711	2402-000187	C-AL,SMD;220NF,20%,50V,-,3X5.5MM,-,TP	
C712	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
C713	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C716	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,5.3X1.5X5.4,1	
C717	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C718	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C721	2203-001652	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,1608,1.6	
C722	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C723	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C725	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
C726	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,1608,-,TP	
C727	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C728	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C729	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C731	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C732	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
C733	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	

Loc. No	New Part No	Description and Specification	Remark
C734	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
C736	2404-000166	C-TA,CHIP;2.2UF,20%,10V,-,3216,-,TP	
C737	2404-000166	C-TA,CHIP;2.2UF,20%,10V,-,3216,-,TP	
C738	2203-001652	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,1608,1.6	
C741	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C742	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C743	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,5.3X1.5X5.4,1	
C746	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
C747	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
C748	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C749	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C750	2402-001016	C-AL,SMD;33UF,20%,6.3V,-,4.3X4.3X5.8MM,	
C751	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
C752	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
C780	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C781	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
C782	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C783	2402-001009	C-AL,SMD;100UF,20%,6.3V,GP,5.3X5.3X5.4M	
C785	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C786	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CN701	3710-001129	CONNECTOR-SOCKET;40P,2R,0.8MM,SMD-S,SN	
CN702	3708-001141	CONNECTOR-FPC/FC/PIC;18P,0.8MM,SMD-A,SN	
CN703	3708-001022	CONNECTOR-FPC/FC/PIC;18P,0.5MM,ANGLE,SN	
IC701	1204-001118	IC-AUDIO PROCESSOR;AN2980FH,QFP,64P,-,PLASTIC,3V	
L701	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM	
L702	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM	
Q707	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q708	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q709	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q710	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q711	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q712	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q719	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
R701	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R702	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R703	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R705	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R706	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608	
R707	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R708	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R712	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R713	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608	
R714	2007-001649	R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R715	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R717	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R718	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R720	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R721	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R722	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R723	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R725	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R726	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R727	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
R728	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R731	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
R732	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R733	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R735	2007-000402	R-CHIP;150OHM,5%,1/16W,DA,TP,1608	
R736	2007-000402	R-CHIP;150OHM,5%,1/16W,DA,TP,1608	
R737	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R738	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R740	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R770	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R771	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R772	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R773	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R774	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R775	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R776	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R780	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R781	2007-000819	R-CHIP;390KOHM,5%,1/16W,DA,TP,1608	
R783	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R784	2007-000819	R-CHIP;390KOHM,5%,1/16W,DA,TP,1608	
R785	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R786	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R787	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R789	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R790	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608	
R791	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608	
EIS 1 PARTS (VP-A55/VP-A57 ONLY)			
CE01	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CE02	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE03	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CE04	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE05	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE06	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE07	2203-001402	C-CERAMIC,CHIP;220NF,+80-20%,16V,Y5V,1608,1.6	
CE08	2203-000054	C-CERAMIC,CHIP;15NF,0.1,50V,X7R,1608,-,TP	
CE09	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE10	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CE11	B1100-0779	C-CERAMIC-CHIP;CK 73 Y5V 16V T 334-Z C1608 GRM39	
CE12	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
CE13	2404-000120	C-TA,CHIP;10UF,20%,10V,-,3528,-,TP	
CE14	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE17	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE18	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE19	2203-001402	C-CERAMIC,CHIP;220NF,+80-20%,16V,Y5V,1608,1.6	
CE20	2203-000054	C-CERAMIC,CHIP;15NF,0.1,50V,X7R,1608,-,TP	
CE21	2402-000237	C-AL,SMD;33UF,0.1,10V,GP,5X5.4,1.5MM,TP	
CE22	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
CE23	B1100-0779	C-CERAMIC-CHIP;CK 73 Y5V 16V T 334-Z C1608 GRM39	
CE24	2402-000237	C-AL,SMD;33UF,0.1,10V,GP,5X5.4,1.5MM,TP	
ICE02	1201-000246	IC-OP AMP;3403,SOP,14P,173MIL,QUAD,20V/M	
ICE03	1201-000246	IC-OP AMP;3403,SOP,14P,173MIL,QUAD,20V/M	
ICE04	AC14-12007X	IC-LOGIC;TC4S66F,SSOP-5,5P	
ICE05	AC14-12007X	IC-LOGIC;TC4S66F,SSOP-5,5P	
LE01	2703-000127	INDUCTOR-SMD;10UH,5%,2.5X3.2X2.2MM	
RE01	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
RE02	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
RE03	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE04	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE05	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE06	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE07	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RE08	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE09	2007-001026	R-CHIP;560KOHM,5%,1/16W,DA,TP,1608	
RE10	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE11	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RE12	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RE14	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE15	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE16	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE17	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE18	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE19	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE20	2007-001026	R-CHIP;560KOHM,5%,1/16W,DA,TP,1608	
RE21	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE22	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RE23	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RE24	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE25	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RE90	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE91	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
130	**AD90-10805C**	**ASSY-MIC BOARD**	
C761	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C762	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
C763	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C764	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C765	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C766	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
C767	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,1608,-,TP	
C768	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,1608,1.6MM,TP	
C769	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,1608,-,TP	
C770	2203-001143	C-CERAMIC,CHIP;68NF,10%,50V,X7R,1608,2MM,TP	
C771	2203-000140	C-CERAMIC,CHIP;1.5NF,10%,50V,X7R,1608,-,TP	
C772	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C773	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C774	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,1608,-,TP	
C775	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C776	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	
C777	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C778	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
C779	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	
C780	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,1608,-,TP	
C781	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C782	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C783	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,1608,-,TP	
C784	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
C785	2203-001143	C-CERAMIC,CHIP;68NF,10%,50V,X7R,1608,2MM,TP	
C786	2203-000140	C-CERAMIC,CHIP;1.5NF,10%,50V,X7R,1608,-,TP	
C787	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,1608,1.6MM,TP	
C788	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,1608,-,TP	

Loc. No	New Part No	Description and Specification	Remark
C789	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,1608,-,TP	
C790	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,1608,1.6MM,TP	
C791	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,6032,-,TP	
CN761	3708-001132	CONNECTOR-FPC/FC/PIC;15P,0.5MM,SMD-A,SN	
CN763	3711-000456	CONNECTOR-HEADER;3WALL,4P,1R,1.25MM,SMD-S,SN	
GY01	AC39-22018S	SENSOR;-,-,-,ENC-05DA,-	
GY02	AC39-22018T	SENSOR;-,-,-,ENC-05DB,-	
IC761	1201-001108	IC-AUDIO AMP;7471,QFP,36P,-,SINGLE,-,PLASTI	
JA761	AD37-20001A	JACK-PHONE;HSJ1456-012220,AU	
L761	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L762	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L763	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L764	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
LE761	0601-000208	LED;CHIP,RED,1.5X2MM,660NM	
Q761	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
R760	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R761	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R762	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R763	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R764	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R765	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R766	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R767	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R768	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R769	2007-000099	R-CHIP;62KOHM,5%,1/16W,DA,TP,1608	
R770	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R771	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R772	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R773	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R774	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R775	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
R776	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
R777	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R778	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R779	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R780	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R781	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R782	2007-000099	R-CHIP;62KOHM,5%,1/16W,DA,TP,1608	
R783	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R784	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R785	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R786	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
R798	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R799	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE761	AD59-60060E	MODULE-REMOCON;DP,PNA4612M00XC,38KHZ,940NM,ME	
187		**ASSY-CCD BOARD**	
	AD90-10809M	VP-A50	
	AD90-10804Z	VP-A52/VP-A55/VP-A57	
CD01	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CD02	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,1608,1.6MM,T	
CD03	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,1608,1.6MM,T	
CD04	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CD05	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	

Loc. No	New Part No	Description and Specification	Remark
CD06	2203-000054	C-CERAMIC,CHIP;15NF,0.1,50V,X7R,1608,-,TP	
CD07	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CD08	2404-000159	C-TA,CHIP;1UF,20%,35V,-,3528,-,TP	
CD09	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CD20	2404-000212	C-TA,CHIP;3.3UF,20%,25V,-,3528,-,TP	
CD21	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CD22	2404-000241	C-TA,CHIP;4.7UF,20%,25V,-,6032,-,TP	
CD23	2404-000190	C-TA,CHIP;22UF,20%,16V,-,5832,-,TP	
CD24	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CD25	2404-000208	C-TA,CHIP;3.3UF,20%,16V,-,3528,-,TP	
CD26	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CD27	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CD30	2404-000187	C-TA,CHIP;22UF,20%,10V,-,6032,-,TP	
CD31	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CD32	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CD33	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CD34	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,1608,-,TP	
CD35	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,1608,-,TP	
CD36	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,1608,-,TP	
CD37	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CD38	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CD39	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CND01	3708-001146	CONNECTOR-FPC/FC/PIC;22P,0.5MM,SMD-A,SN	
CND02	B6010-1815	CONNECTOR-WAFER;IL-WAA-40P-HF-HD-A1-E1000 WHT JA	
DD01	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DD02	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
ICD01	0605-001004	CCD;COLOR,DIP,14P,400MIL,470K,4.85	VP-A50/A52 ONLY
	0605-001005	CCD;COLOR,DIP,14P,400MIL,570K,4.85	VP-A55/A57 ONLY
ICD02	1003-001056	IC-CLOCK DRIVER;CXD1267AN,SOP,20P,173MIL,SINGL	
ICD03	1003-001071	IC-MOTOR DRIVER;MPC17AT85VM,SOP,30P,206MIL,-,1	
LD20	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LD21	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LD30	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LD31	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
QD01	0505-000180	FET-SILICON;2SK1070,N,-,50MA,-,150MW,SOT-2	
QD43	0504-000113	TR-DIGITAL;DTC144EU,NPN,200MW,47K-47K,SC-	
RD01	2007-000125	R-CHIP;3.9KOHM,5%,1/16W,DA,TP,1608	
RD02	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
RD03	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
RD04	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RD05	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RD30	2007-000100	R-CHIP;68KOHM,5%,1/16W,DA,TP,1608	
RD31	2007-000100	R-CHIP;68KOHM,5%,1/16W,DA,TP,1608	
RD32	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RD36	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RD37	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RD46	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
RD47	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
161	**AD59-10402A**	**UNIT-FUNCTION,BLC;A-PJ,BLC ASSY**	
CN802	3711-002162	CONNECTOR-HEADER;3WALL,2P,1R,1.25,STRAIGHT,SN	
R807	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R808	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R809	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	

Loc. No	New Part No	Description and Specification	Remark
R810	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R811	2007-001124	R-CHIP;68KOHM,1%,1/10W,DA,TP,2012	
R812	2007-000277	R-CHIP;100KOHM,1%,1/10W,DA,TP,2012	
R813	2007-000754	R-CHIP;330KOHM,1%,1/10W,DA,TP,2012	
SW808	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW809	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW810	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW811	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW812	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW813	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW814	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
162		**UNIT-FUNCTION,DSE**	
	AD59-10397A	VP-A50,VP-A55 (EVF)	
	AD59-10398A	VP-A52,VP-A57 (CVF)	
C840	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,CH,1608,1.6MM,TP	
CN804	3711-000475	CONNECTOR-HEADER;3WALL,5P,1R,1.25MM,SMD-S	EVF OPTION
CN805	3708-001169	CONNECTOR-FPC/FC/PIC;22P,1MM,SMD-A,SN	CVF OPTION
CN806	3708-001134	CONNECTOR-FPC/FC/PIC;11P,0.5MM,SMD-A,SN	
CN807	3708-001130	CONNECTOR-FPC/FC/PIC;12P,0.5MM,SMD-S,SN	
D801	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
R814	2007-000277	R-CHIP;100KOHM,1%,1/10W,DA,TP,2012	
R815	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R816	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R817	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R818	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R819	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R820	2007-001124	R-CHIP;68KOHM,1%,1/10W,DA,TP,2012	
R821	2007-000277	R-CHIP;100KOHM,1%,1/10W,DA,TP,2012	
R840	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
SW815	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW816	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW817	3406-000173	SWITCH-ROTARY;16VDC,100MA,10P10T,5.4MM	
163	**AD59-10403A**	**UNIT-FUNCTION,EAR;A-PJ,EAR ASSY**	
CN808	3711-000475	CONNECTOR-HEADER;3WALL,5P,1R,1.25MM,SMD-S,SN	
PH801	3722-000466	JACK-PHONE;1P/1C,PI3.5,AG,BLK,-	
R822	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R823	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R824	2007-001124	R-CHIP;68KOHM,1%,1/10W,DA,TP,2012	
R825	2007-000277	R-CHIP;100KOHM,1%,1/10W,DA,TP,2012	
SW818	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW819	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW820	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW821	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
		UNIT-FUNCTION,VCR	
CN801	3711-000456	CONNECTOR-HEADER;3WALL,4P,1R,1.25MM,SMD-S,SN	
R801	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R802	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R803	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R804	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	

Loc. No	New Part No	Description and Specification	Remark
R805	2007-001124	R-CHIP;68KOHM,1%,1/10W,DA,TP,2012	
R806	2007-000277	R-CHIP;100KOHM,1%,1/10W,DA,TP,2012	
SW801	AD34-20100B	SWITCH-MODE;8EA,13MM/6.5MM,REEL,3V	
SW802	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW803	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW804	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW805	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW806	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW807	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
205	**AD90-10810G**	**ASSY-EVF;VP-A50/VP-A55**	
632	**AD90-10803R**	**ASSY-EVF BOARD**	
CE01	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,1608,-,TP	
CE02	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CE03	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,7343,-,TP	
CE04	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,1608,-,TP	
CE05	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE06	2309-001001	C-FILM,CHIP;100NF,5%,16V,3.2X2.5X2.0MM,-,T	
CE07	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE08	2404-000128	C-TA,CHIP;10UF,20%,16V,-,6032,-,TP	
CE09	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,CH,1608,-,TP	
CE10	2402-000144	C-AL,SMD;3.3UF,20%,50V,GP,4X5.4MM,-,TP	
CE11	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CE12	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,7343,-,TP	
CE13	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,7343,-,TP	
CE14	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,7343,-,TP	
CE15	2309-000143	C-FILM,CHIP;3.9NF,5%,100V,-,-,TP	
CE16	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE17	2402-000144	C-AL,SMD;3.3UF,20%,50V,GP,4X5.4MM,-,TP	
CE18	2201-000911	C-CERAMIC,DISC;1.2NF,10%,1KV,Y5P,10X5,5,TP	
CNE01	3711-002612	CONNECTOR-HEADER;3WALL,5P,1R,1.25MM,SMD-S,SN	
CNE02	3711-002173	CONNECTOR-HEADER;BOX,4P,1R,1.5,STRAIGHT,SN	
CNE03	AC03-12001B	SOCKET-CRT;SOCKET FINDER,PI10 40MM,-,-,-	
DE01	0407-000151	DIODE-ARRAY;MA153,40V,100MA,C2-3,SOT-23,TP	
DE02	0401-000173	DIODE-SWITCHING;MA151K,40V,100MA,-,3NS,SOT-23	
DE03	0401-000166	DIODE-SWITCHING;MA158-TX,200V,100MA,-,-,CHIP	
FTB01	AC26-32001B	TRANS-FLYBACK;ECX-C2806D,0.6INCH,4.8V	
ICE01	AC14-12006W	IC-LINEAR;KA7007,SOP,-	
LE01	2703-000409	INDUCTOR-SMD;47UH,10%,3.2X2.5X2.2MM	
LE02	AC27-32001B	COIL-LINEARITY;230UH-15%,PI0.12,T,-,-	
QE01	0501-000674	TR-SMALL SIGNAL;2SA1179,PNP,200MW,SOT-23,TP,90	
QE02	0501-000238	TR-SMALL SIGNAL;2SD968A,NPN,1W,SC-62,-,130-220	
QE03	0501-000674	TR-SMALL SIGNAL;2SA1179,PNP,200MW,SOT-23,TP,90	
QE04	0501-000674	TR-SMALL SIGNAL;2SA1179,PNP,200MW,SOT-23,TP,90	
RE01	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
RE02	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608	
RE03	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RE04	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE05	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE06	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE07	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RE08	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
RE09	2007-000695	R-CHIP;3.3OHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
RE10	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
RE11	B1335-0002	THERMISTOR-CHIP;NTC CS 3216 3BH 471KC 470OHM/20D	
RE12	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RE13	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE14	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
RE15	2007-000965	R-CHIP;5.1KOHM,5%,1/16W,DA,TP,1608	
RE16	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE17	2007-001056	R-CHIP;6.2KOHM,5%,1/16W,DA,TP,1608	
RE18	2007-000101	R-CHIP;82KOHM,5%,1/16W,DA,TP,1608	
RE19	2007-001179	R-CHIP;8.2KOHM,5%,1/16W,DA,TP,1608	
RE20	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
RE21	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RE22	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RE23	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RE24	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RE25	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	
RE26	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	
RE27	2007-000462	R-CHIP;18OHM,5%,1/10W,DA,TP,2012	
RE31	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE32	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
VRE01	2104-001014	VR-SMD;50KOHM,25%,0.15W,TOP	
VRE02	2104-001013	VR-SMD;220OHM,25%,0.15W,TOP	
VRE03	2104-000178	VR-SMD;1MOHM,30%,1/20W,TOP	
205	**AD90-10806V**	**ASSY-CVF;VP-A52/VP-A57**	
612	**AD90-10806T**	**ASSY-B/L BOARD**	
CNE01	3711-002172	CONNECTOR-HEADER;BOX,3P,1R,1.5,STRAIGHT,SN	
FLE01	B4158-0033	LAMP;3AE4T4KL0502Y 5V 0.3W WHT	
LE01	AC40-22002F	CONVERTER-COIL;-,-	
QE01	B4054-0053	FET;2SK1474-Z 20W 8A 100V MOS/N-CHANNEL T TL	
613	**AD90-10806U**	**ASSY-CVF BOARD**	
CE01	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE02	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE05	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE06	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE07	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE09	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE10	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE11	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE12	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CE13	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CE14	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE15	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE16	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE17	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE18	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,CH,1608,1.6MM,TP	
CE20	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE22	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,7343,-,TP	
CE23	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE24	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CE25	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	

Loc. No	New Part No	Description and Specification	Remark
CE26	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CE27	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,1608,-,TP	
CE28	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,1608,1.6MM,TP	
CE29	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,1608,-,TP	
CE30	2404-000204	C-TA,CHIP;3.3UF,20%,10V,-,3216,-,TP	
CE31	2203-001607	C-CERAMIC,CHIP;220PF,5%,50V,CH,1608,1.6MM,TP	
CE32	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,CH,1608,1.6MM,TP	
CE33	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE34	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CE35	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE36	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE37	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,1608,1.6	
CE38	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,2012,-,TP	
CE40	2404-000153	C-TA,CHIP;1UF,20%,20V,-,3216,-,TP	
CE41	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CE42	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,3528,-,TP	
CE43	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE44	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,3216,-,TP	
CE45	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE46	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE47	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CE48	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,1608,-,TP	
CNE01	3708-001143	CONNECTOR-FPC/FC/PIC;12P,0.8MM,SMD-A,SN	
CNE02	3708-000514	CONNECTOR-FPC/FC/PIC;16P,0.5MM,SMD-S,SN	
CNE03	3711-002613	CONNECTOR-HEADER;3WALL,3P,1R,1.25MM,SMD-S,SN	
DE02	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DE03	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DE04	0405-000123	DIODE-VARACTOR;1T369,34V,10NA,DSM,TP	
ICE01	1003-000259	IC-LCD DRIVER;CXA1854AR,QFP,64P,-,SINGLE,53M	
ICE02	B4012-0434	IC-LINEAR;MB88E347APFV-EL SSOP TAPE	
ICE03	AD14-10001C	IC-AMP;NJM2904V,SSOP,OP-AMP	
ICE04	B4004-0340	IC-LOGIC;TC7W04FU-TE12L SSOP TAPE 8P	
LE01	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LE02	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LE03	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LE04	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LE06	2703-000363	INDUCTOR-SMD;10UH,5%,2.5X2X1.8MM	
QE01	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
QE02	0504-000211	TR-DIGITAL;DTC143TU,NPN,200MW,4.7K,SC-70,	
QE03	0504-000211	TR-DIGITAL;DTC143TU,NPN,200MW,4.7K,SC-70,	
QE04	0504-000211	TR-DIGITAL;DTC143TU,NPN,200MW,4.7K,SC-70,	
QE05	0506-000138	TR-ARRAY;IMZ1,NPN/PNP,1,50V,40V,100MA,3	
QE06	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
RE05	2007-000098	R-CHIP;56KOHM,5%,1/16W,DA,TP,1608	
RE06	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
RE07	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE08	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE09	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE10	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE13	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE14	2007-000100	R-CHIP;68KOHM,5%,1/16W,DA,TP,1608	
RE15	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
RE16	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
RE17	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
RE18	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	

Loc. No	New Part No	Description and Specification	Remark
RE19	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
RE20	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
RE21	2007-000133	R-CHIP;330KOHM,5%,1/16W,DA,TP,1608	
RE22	2007-000133	R-CHIP;330KOHM,5%,1/16W,DA,TP,1608	
RE23	2007-000133	R-CHIP;330KOHM,5%,1/16W,DA,TP,1608	
RE24	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
RE25	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE26	2007-000491	R-CHIP;2.2KOHM,1%,1/16W,DA,TP,1608	
RE27	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
RE28	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RE30	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
RE31	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
RE32	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
RE34	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RE35	2007-000239	R-CHIP;1.5KOHM,1%,1/16W,DA,TP,1608	
RE37	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE38	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RE39	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RE40	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RE41	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RE42	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
RE43	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE44	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE45	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE46	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
RE47	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE48	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE49	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
RE50	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RE51	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
RE52	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
RE52	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
RE53	2007-000614	R-CHIP;24KOHM,1%,1/16W,DA,TP,1608	
RE54	2007-000455	R-CHIP;18KOHM,1%,1/16W,DA,TP,1608	
RE55	2007-000683	R-CHIP;3.3KOHM,1%,1/16W,DA,TP,1608	
RE56	2007-000614	R-CHIP;24KOHM,1%,1/16W,DA,TP,1608	
RE57	2007-000067	R-CHIP;15KOHM,1%,1/16W,DA,TP,1608	
RE58	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE59	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE60	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RE60	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
VRE01	2104-000135	VR-SMD;22KOHM,25%,0.15W,TOP	
XE01	2801-003126	CRYSTAL-SMD;4.433619MHZ,30PPM,28-ABN,16PF,	

Loc. No	New Part No		Description and Specification	Remark
			ACCESSORY	
1			**ADAPTER-AC POWER**	
	AD44-30100J		AA-E4P;SEAU ONLY	
	AD44-30100H		AA-E4P;SEUK(SESC) ONLY	
	AD44-30100D		AA-E4P;ALL BUYER EXCEPT SEAU,SEUK(SESC)	
C10	2306-000298		C-FILM,MPPF;220NF,20%,250V,6.5X5.5X3MM,5MM	
C11	2201-000808		C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,12X7.5,7.5,	
C12	2201-000808		C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,12X7.5,7.5,	
C13	2401-001567		C-AL;47UF,20%,400V,WT,18X20,10MM,	
C14	2201-000808		C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,12X7.5,7.5,	
C15	2201-000808		C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,12X7.5,7.5,	
C16	2301-000140		C-FILM,PEF;10NF,10%,630V,16.5X9.5X5.7X,12	
C17	2203-001537		C-CERAMIC,CHIP;1NF,10%,50V,X7R,2012,-,TP	
C18	2401-002180		C-AL;2.2UF,0.2,50V,GP,5X11,5MM,TP	
C19	2203-000840		C-CERAMIC,CHIP;390PF,5%,50V,NPO,2012,-,TP	
C20	2203-001576		C-CERAMIC,CHIP;150NF,+80-20%,50V,Z5U,2012,2MM	
C21	2401-001184		C-AL;33UF,20%,35V,GP,6X11,5MM,-	
C22	2401-002168		C-AL;100UF,0.2,50V,GP,10X12.5,5MM,TP	
C23	2203-000199		C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,2012,-,T	
C50	2401-001591		C-AL;47UF,20%,6.3V,GP,5X7,2.5MM,	
C51	2203-001537		C-CERAMIC,CHIP;1NF,10%,50V,X7R,2012,-,TP	
C52	2203-001537		C-CERAMIC,CHIP;1NF,10%,50V,X7R,2012,-,TP	
C53	2401-001878		C-AL;1000UF,20%,16V,GP,10X20MM,5MM	
C54	2401-001374		C-AL;470UF,20%,16V,WT,10X12.5,2.5MM	
C55	2203-000199		C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,2012,-,T	
C56	2203-000260		C-CERAMIC,CHIP;10NF,10%,50V,X7R,2012,-,TP	
C57	2401-001917		C-AL;1UF,20%,50V,-,5X7MM,5,TP	
C59	2401-001952		C-AL;4.7UF,20%,50V,-,4X7MM,5,TP	
C60	61453-131-105		C-CERAMIC.CHIP;GRM42-6Y5V105Z16 TAPG	
C61	2203-000199		C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,2012,-,T	
C62	B1100-0674		C-CERAMIC,CHIP;CK 73 Y5V 16V T 685-Z C3225	
C64	2201-000913		C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,8X3.5,5,	
C65	2202-000780		C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,3.5X19	
C66	2203-000199		C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,2012,-,T	
C67	2203-000199		C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,2012,-,T	
D10	0402-000386	⚠	DIODE-BRIDGE;S1WB60,600V,1A,DIP-4	
D11	0402-000391		DIODE-RECTIFIER;ERA22-10,1000V,500MA,MSR	
D12	0401-000170		DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
D13	0403-000646		DIODE-ZENER;RD20SB,20V,18.8-21.14V,200MW,M	
D14	0403-000648		DIODE-ZENER;RD4.7SB,4.7V,4.4-4.92,200MW,MI	
D15	0403-000647		DIODE-ZENER;RD24SB,24V,22.86-25.66V,200MW,	
D16	0402-000391		DIODE-RECTIFIER;ERA22-10,1000V,500MA,MSR	
D17	0402-000391		DIODE-RECTIFIER;ERA22-10,1000V,500MA,MSR	
D51	0404-000135		DIODE-SCHOTTKY;ESAC85M-009,90V,10A,TO-220,BK	
D52	0402-000165		DIODE-RECTIFIER;1N5819,40V,1A,DO-41,TP	
D53	0407-000114		DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT-23	
D54	0407-000116		DIODE-ARRAY;DAP202K,80V,100MA,CK2-3,SOT-23	
D55	0401-000170		DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
D57	0403-000649		DIODE-ZENER;RD5.1S,5.1V,4.96-5.22V,200MW,M	
F10	B3065-0202	⚠	FUSE;DEMKO FST 250V 1.25A 5X20MM S505 C HBC	
IC11	AC14-12011C	⚠	IC;FA5304S,SOP,8P TAPE	
IC12	B4161-0037	⚠	PHOTO-COUPLER;TLP621-GR ST	
IC51	1201-000203		IC-OP AMP;3414,SOP,8P,300MIL,DUAL,-,PLAS	

Loc. No	New Part No		Description and Specification	Remark
IC52	AC14-12006R		IC;TK11640N,TO-92S,3P TAPE	
IC53	AC09-12012P		IC-MICOM;TMP47C241NFF34,QFP,CS95	
IC53	AD09-12001F	⚠	IC-MICOM;TMP47C241N,STICK,28P	
J51	B3040-0068	⚠	JACK-DC;PI3 HEC0740-01-010 3P	
L10	AC27-32001F	⚠	COIL-LINE FILTER;BSF-2123,20MH,2OHM,ST,-	
L11	A1247-0053		FILTER-EMI BEAD;BFS3565A0L SB 100OHM/100MHZ-90OH	
L51	2702-000112		INDUCTOR-RADIAL;10UH,5%,6X6.4MM	
L52	AC27-12001F		COIL-CHOKE;100UH,J,-,-,-,100UH-J RA 1KHZ	
LED51	B4150-0287		LED-DISPLAY;LN086WP38 ORG/GRN PI1.8	
PWR01	AC39-12022M		POWER-CORD;CP2,KJ-0201,BLK,YH396-32V,1.83	
Q10	0505-001044	⚠	FET-SILICON;SSS3N80,N,800V,1.8A,5OHM,35W,T	
Q51	0502-000399		TR-POWER;2SB1127S,PNP,1W,TO-126,BK,140-	
Q52	62129-101-110		TRANSISTOR.CHIP;KSR 1102 (REEL)	
Q53	0502-000431		TR-POWER;2SB1203S,PNP,1W,IPAK,TP,140-28	
Q54	62129-101-110		TRANSISTOR.CHIP;KSR 1102 (REEL)	
Q55	0504-000158		TR-DIGITAL;KSR2104,PNP,200MW,47K-47K,SOT-	
Q56	0504-000158		TR-DIGITAL;KSR2104,PNP,200MW,47K-47K,SOT-	
Q57	0504-000158		TR-DIGITAL;KSR2104,PNP,200MW,47K-47K,SOT-	
R01	2007-000029		R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R02	2007-000029		R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R03	2007-000029		R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R04	2007-000029		R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R05	2007-000033		R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R06	2007-000033		R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R10	2001-000474		R-CARBON;2.7MOHM,5%,1/4W,AA,TP,2.4X6.4M	
R12	A1014-0079		R-CEMENT;RWC 2W I 3R3-J ST ABCO	
R13	2001-001000		R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R14	2001-001000		R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R15	2007-001212		R-CHIP;82KOHM,5%,1/8W,DA,TP,3216	
R16	2001-001000		R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R17	2003-000307		R-METAL OXIDE;47KOHM,5%,2W,AD,TP,6X16MM	
R19	2003-000111		R-METAL OXIDE;0.47OHM,5%,1W,AD,TP,4.3X12MM	
R20	2007-000572		R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R21	2007-000781		R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R22	2007-000248		R-CHIP;1.5MOHM,5%,1/10W,DA,TP,2012	
R24	2007-000781		R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R25	2007-001177		R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R51	2007-000312		R-CHIP;10OHM,5%,1/8W,DA,TP,3216	
R52	2007-000515		R-CHIP;2.7KOHM,1%,1/10W,DA,TP,2012	
R53	2007-000218		R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R54	2007-000639		R-CHIP;270OHM,1%,1/10W,DA,TP,2012	
R55	2007-000282		R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R56	2007-000572		R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R57	2007-000518		R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R58	2007-000282		R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R59	2007-000361		R-CHIP;12OHM,5%,1/10W,DA,TP,2012	
R60	2007-000928		R-CHIP;470OHM,1%,1/10W,DA,TP,2012	
R61	2007-000218		R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012	
R62	2007-000868		R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012	
R63	2007-000868		R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012	
R64	2007-000658		R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R65	2003-000102		R-METAL OXIDE;0.1OHM,5%,1W,AD,TP,4.3X12MM	
R66	2007-000355		R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R67	2007-000221		R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R68	2007-000493		R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	

Loc. No	New Part No	Description and Specification	Remark
R69	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R70	B1004-0442	R-METAL OXIDE;RS 3W N 43-J ERG3SJ430H	
R71	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R72	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R73	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R74	B1004-0442	R-METAL OXIDE;RS 3W N 43-J ERG3SJ430H	
R75	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R76	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R77	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R78	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R79	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R80	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
R81	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R82	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R83	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
R84	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R85	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R86	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R87	2003-000146	R-METAL OXIDE;100OHM,5%,1W,AD,TP,4.3X12MM	
R90	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
R91	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
R92	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
R93	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
R94	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R95	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R96	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R97	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SW51	3404-000239	SWITCH-TACT;15V,20MA,130+-40GF,6X6MM,-	
T10	AC26-80001F ⚠	TRANS-POWER;EI25X19,AC90/260V,50HZ,-	
W10	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96MM,STRAIGHT,SN	
XT51	64539-102-012	CERAMIC RESONATOR;FCR 4.0MC5	
2	**3722-001027**	**JACK-RCA;PI7.5,-,AU,BLK,-**	
3	**AC39-42001R**	**CABLE-A/V;PVC,-,-,3P,-,-,-**	
4	**AC39-42001Y**	**CABLE-DC;DC/OUT,-,DC-E1A,7.5V,-,-,-**	
5	**AC39-42001Z**	**CABLE-S-VHS;4P,-,1.5MT,75OHM,-,-,-**	
6	**AC98-10012L**	**ASSY-LITHUM BATTERY;CR2025,3V PACK 30X56**	
7	**AD59-10373A**	**UNIT-BATTERY PACK;NC-120P,6V 1200MAH(PAL)**	
8	**AD59-10379A**	**UNIT-REMOCON;RM-A1,(PAL)**	
9	**AD63-10210A**	**STRAP-SHOULDER;-,LEATHER,T1.5,1280X10,D-GRAT,**	
10	**AD59-10346A**	**Hi-8MM CASSETTE TAPE**	
11	**AC59-92002V**	**RF-E1P**	
12	**AC59-92003E**	**RF-E2P**	

ACCESSORY

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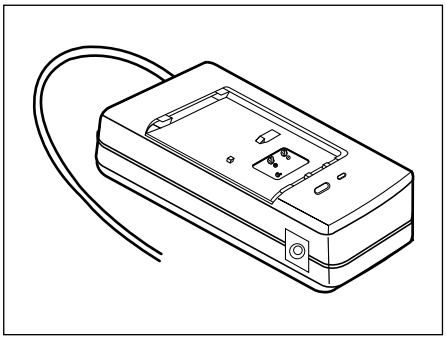

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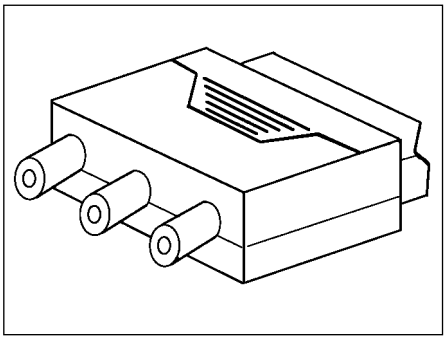
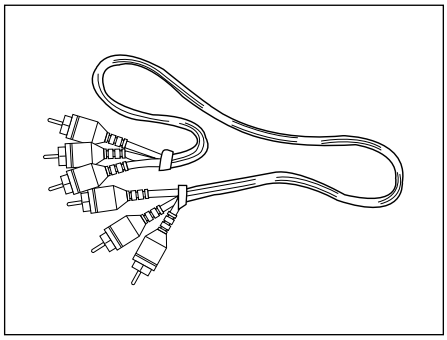
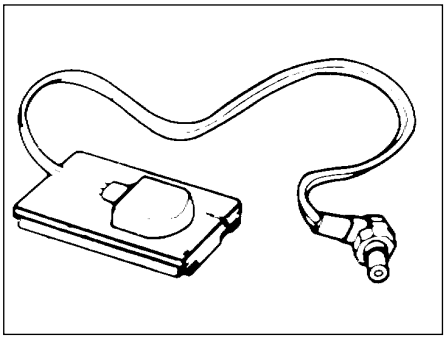


3



4



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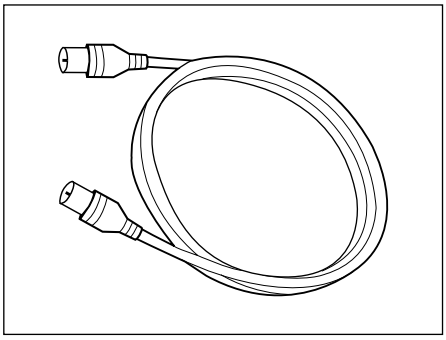

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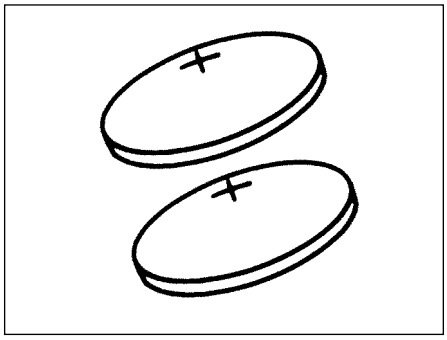

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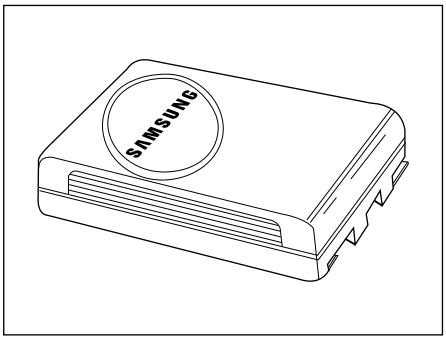

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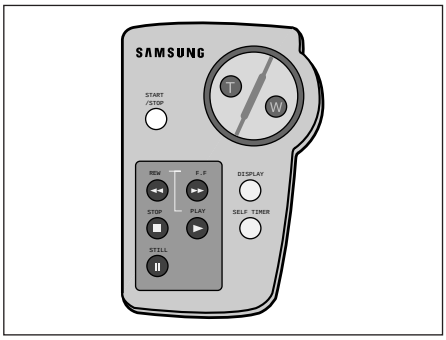
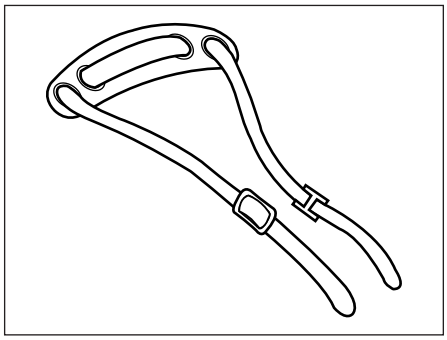


9



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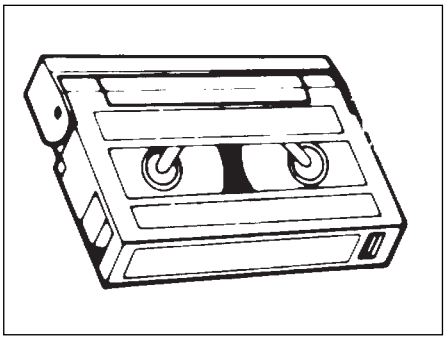

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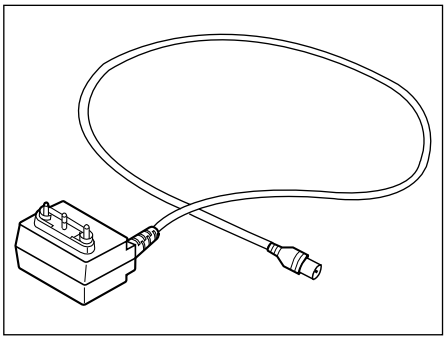

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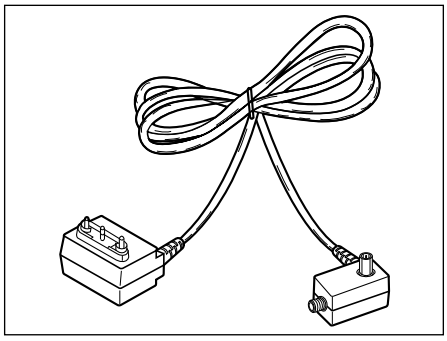
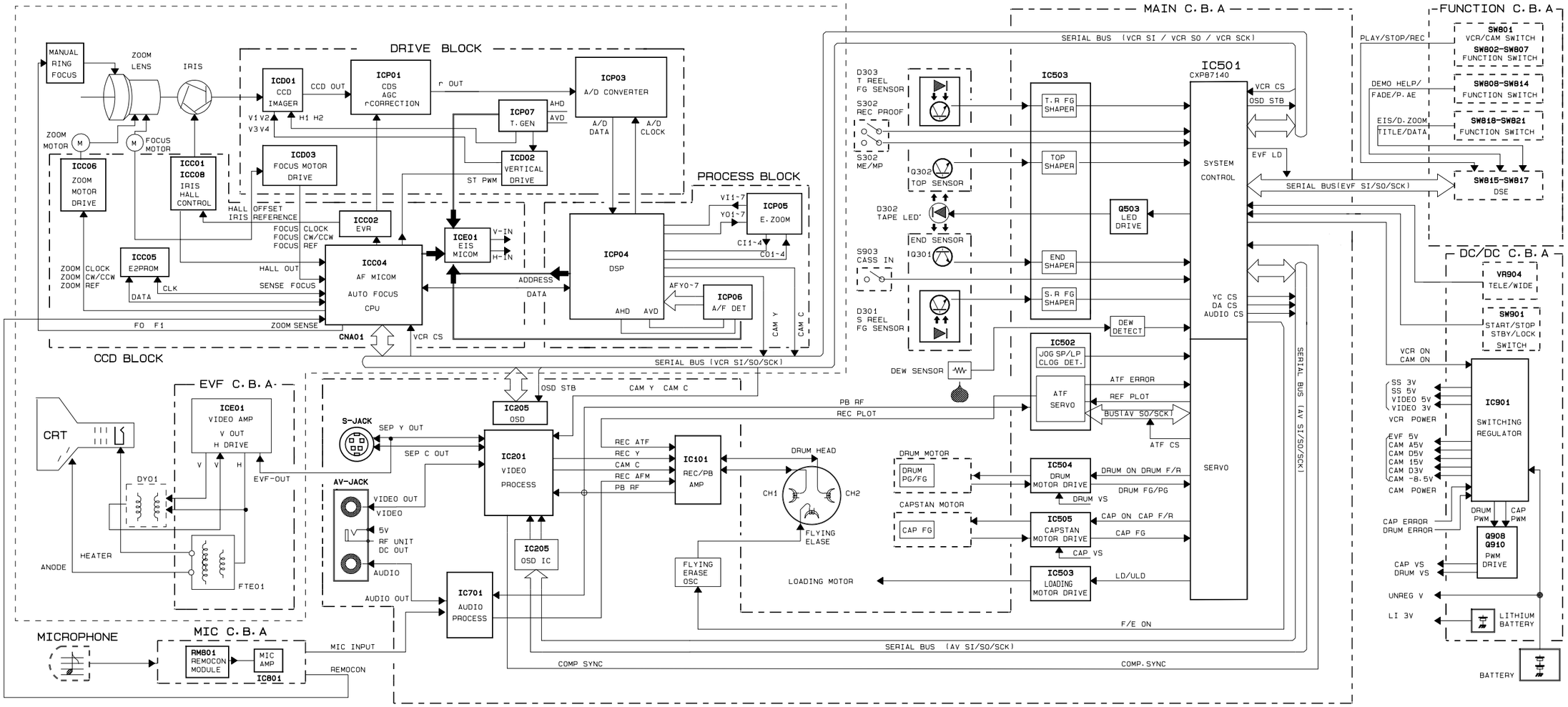


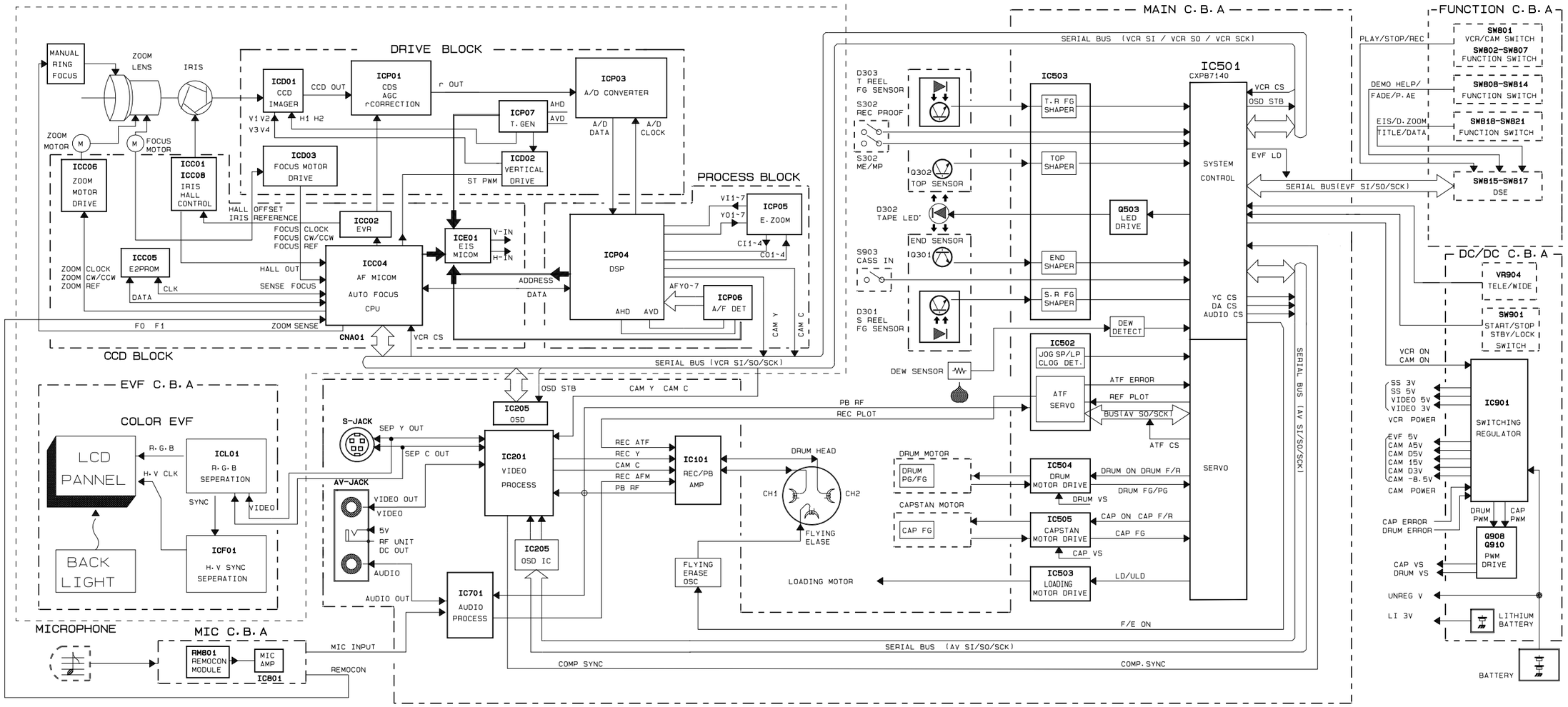
Note : The accessories may be different by buyer.

8. Block Diagrams

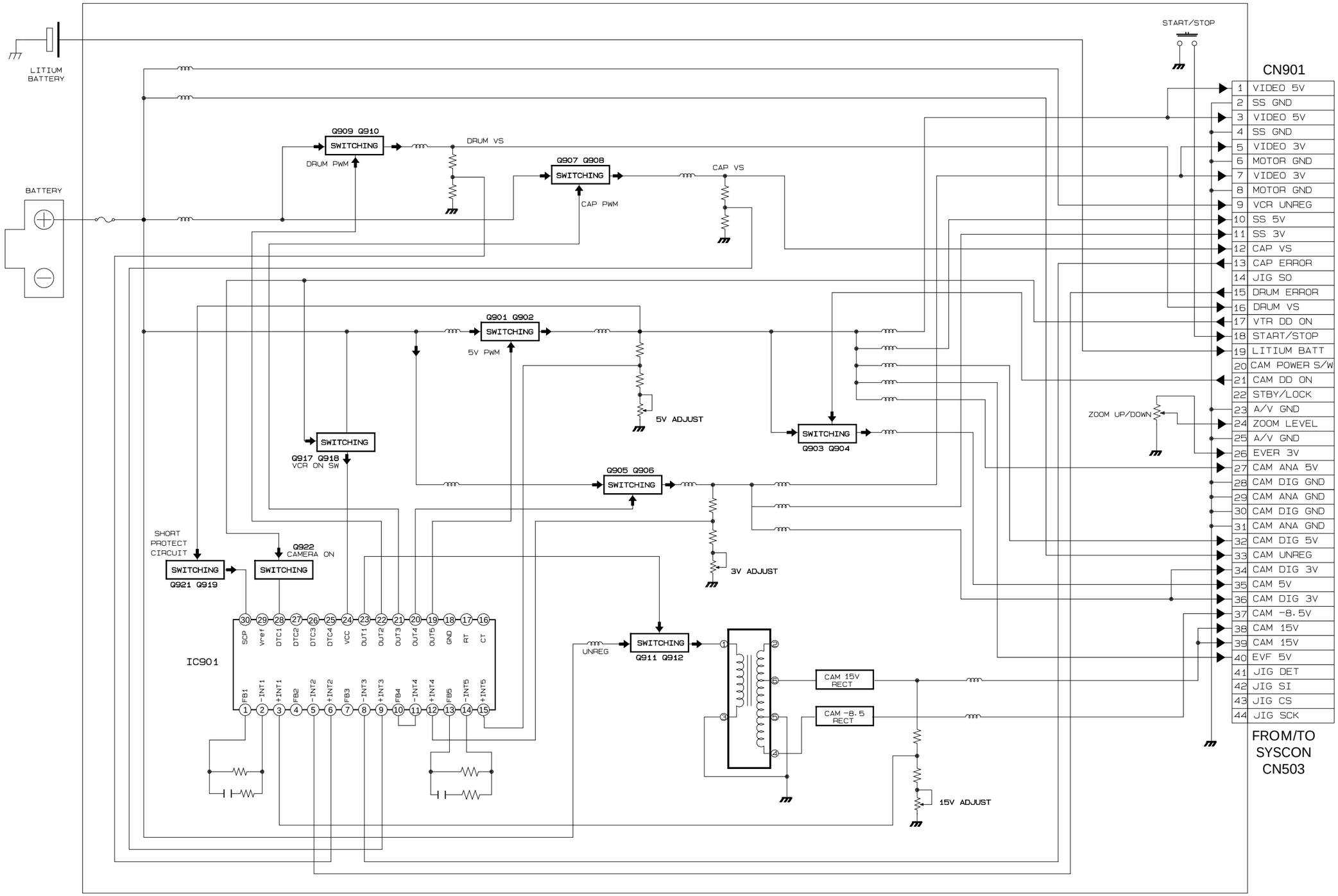
8-1 Overall Block Diagram (VP-A50/VP-A55)



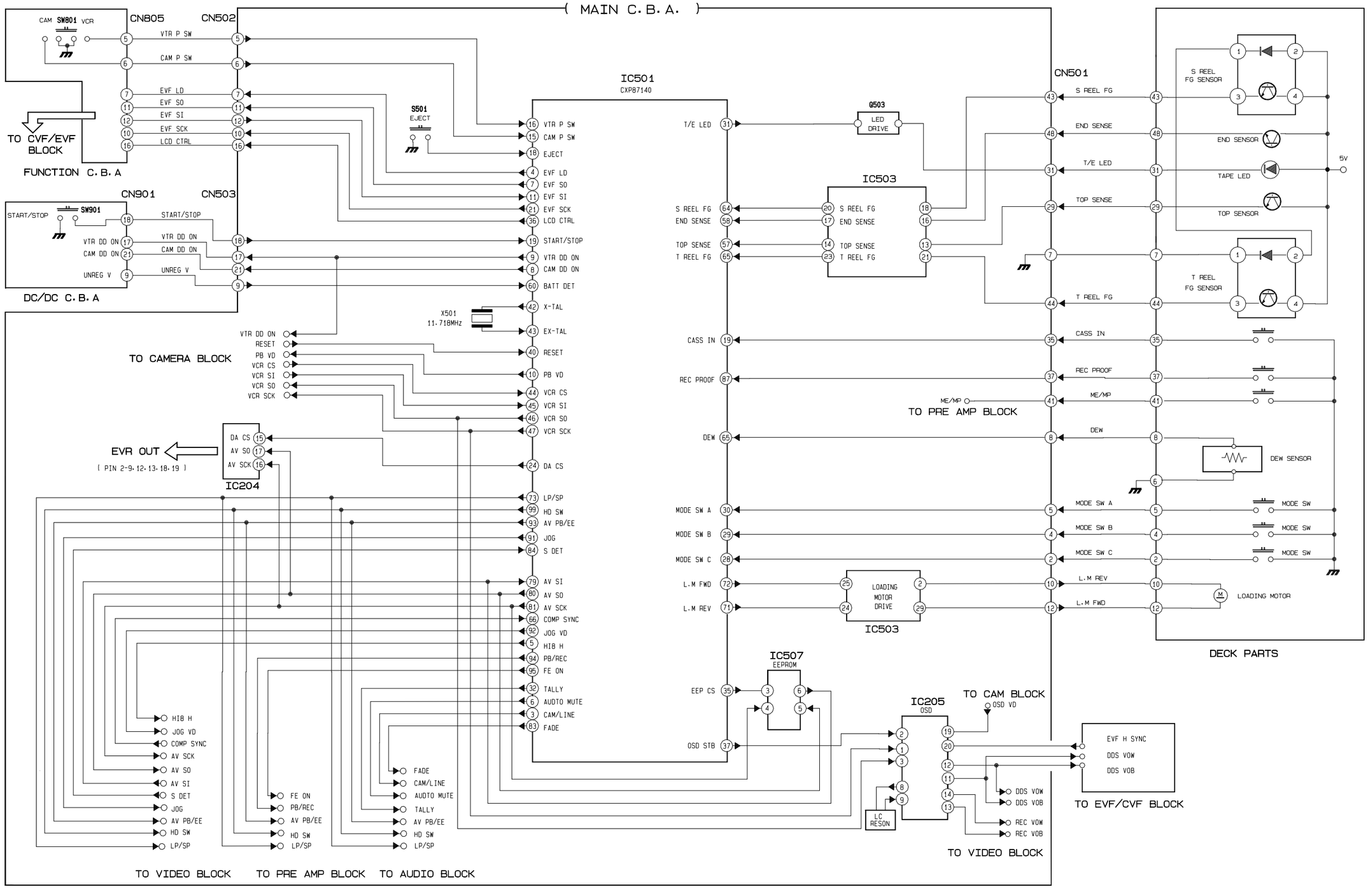
8-2 Overall Block Diagram (VP-A52/VP-A57)



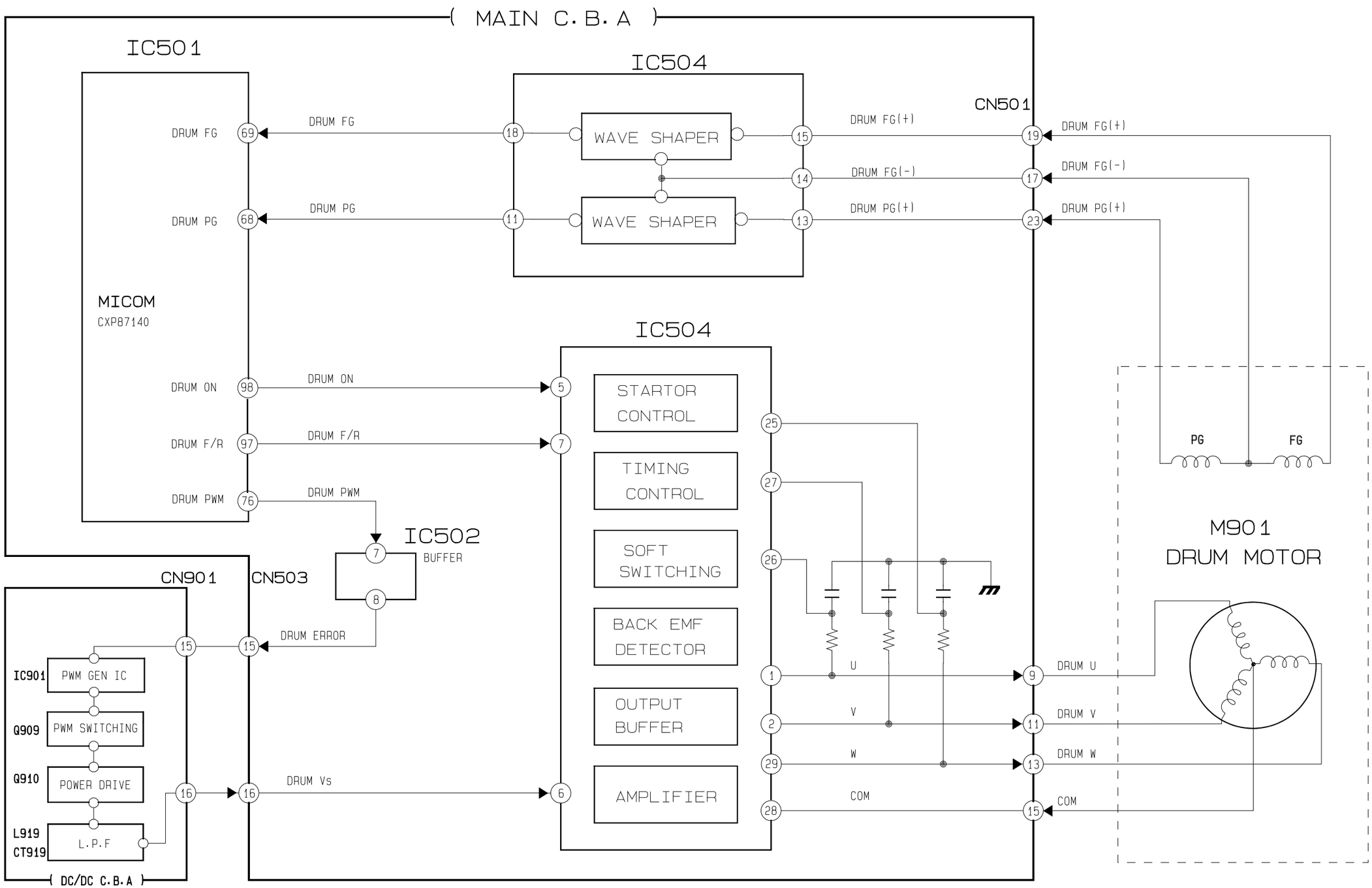
8-3 DC/DC Converter



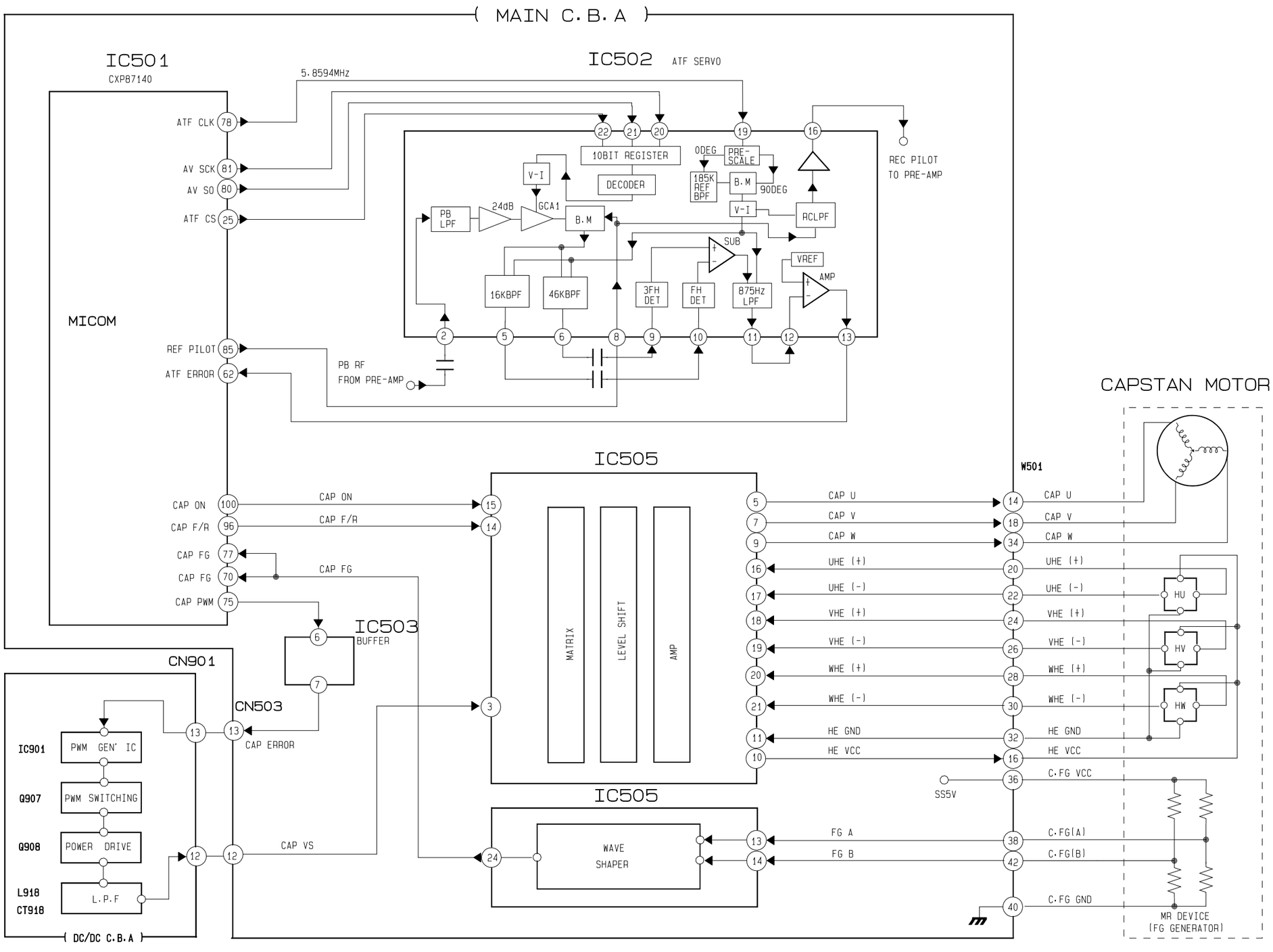
8-4 System Control



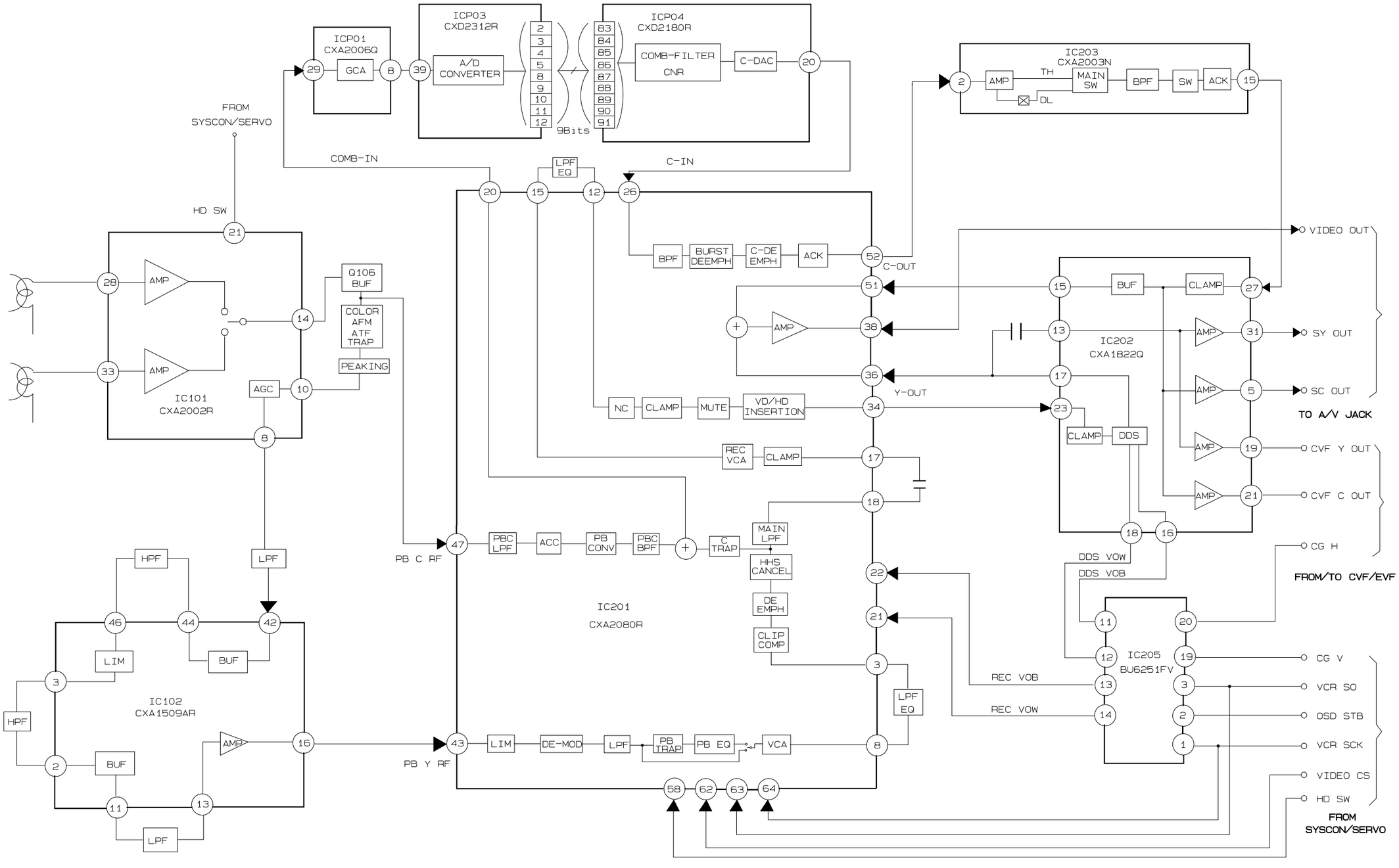
8-5 Drum Servo



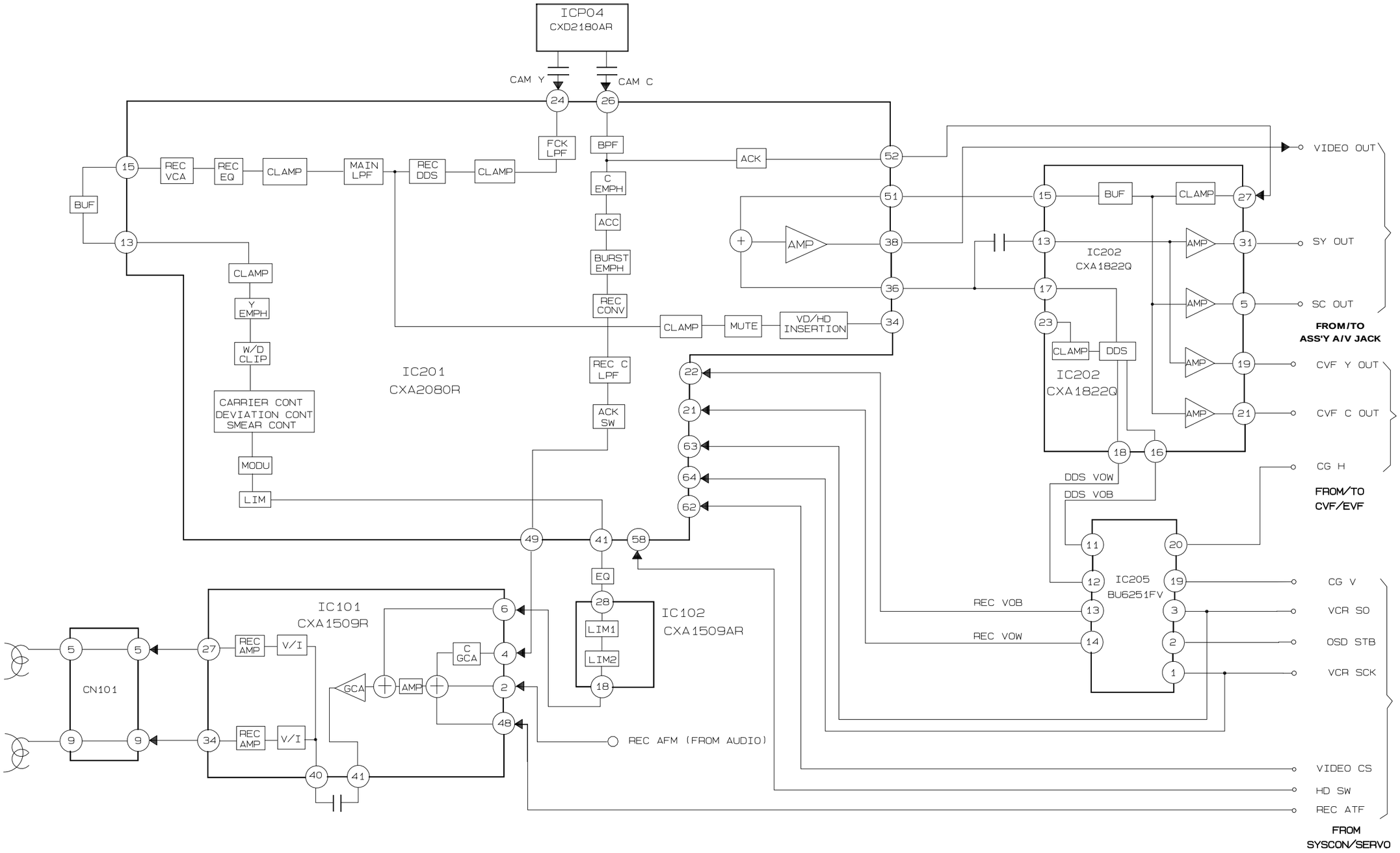
8-6 Capstan Servo



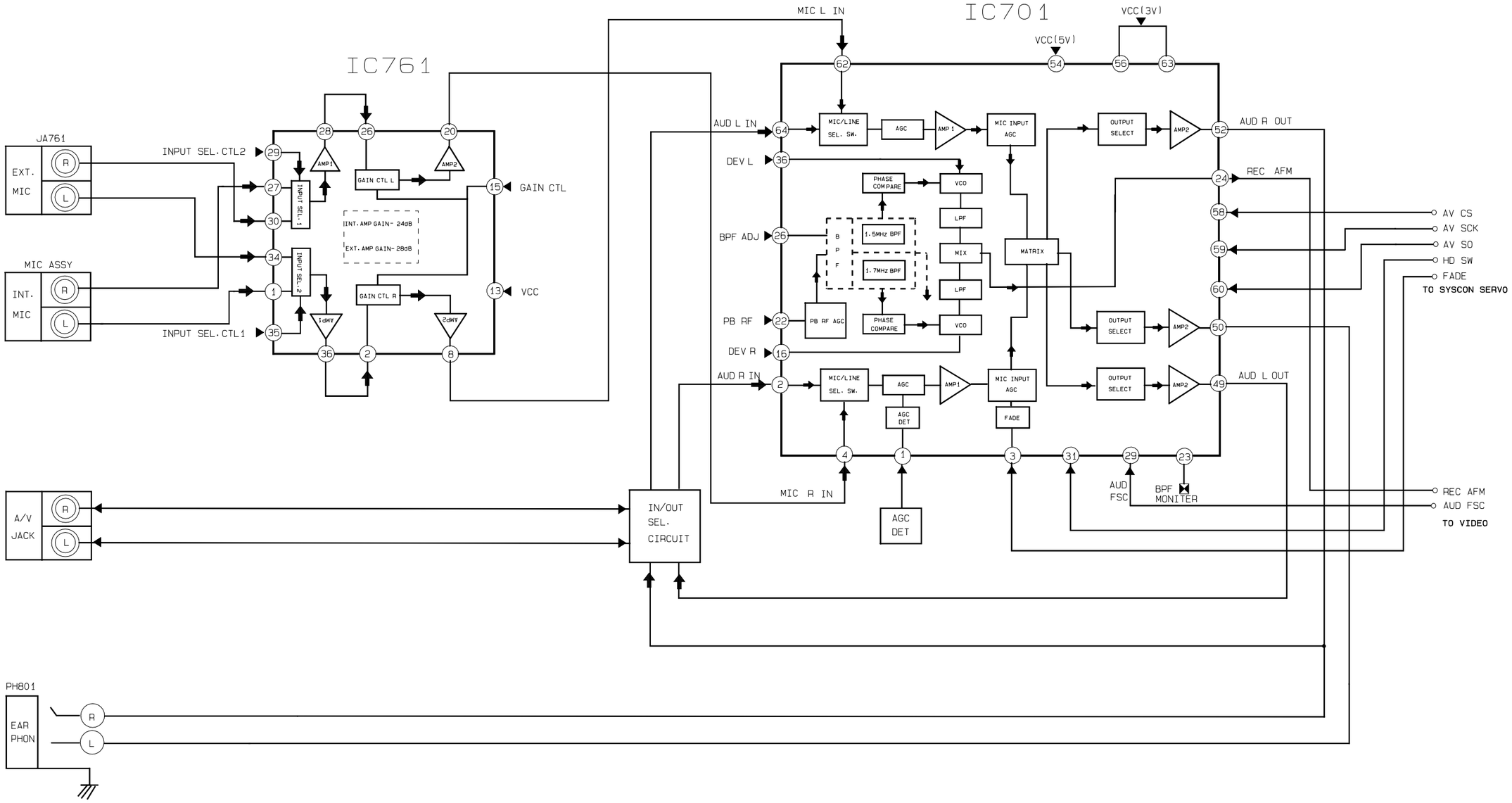
8-7 Video Playback



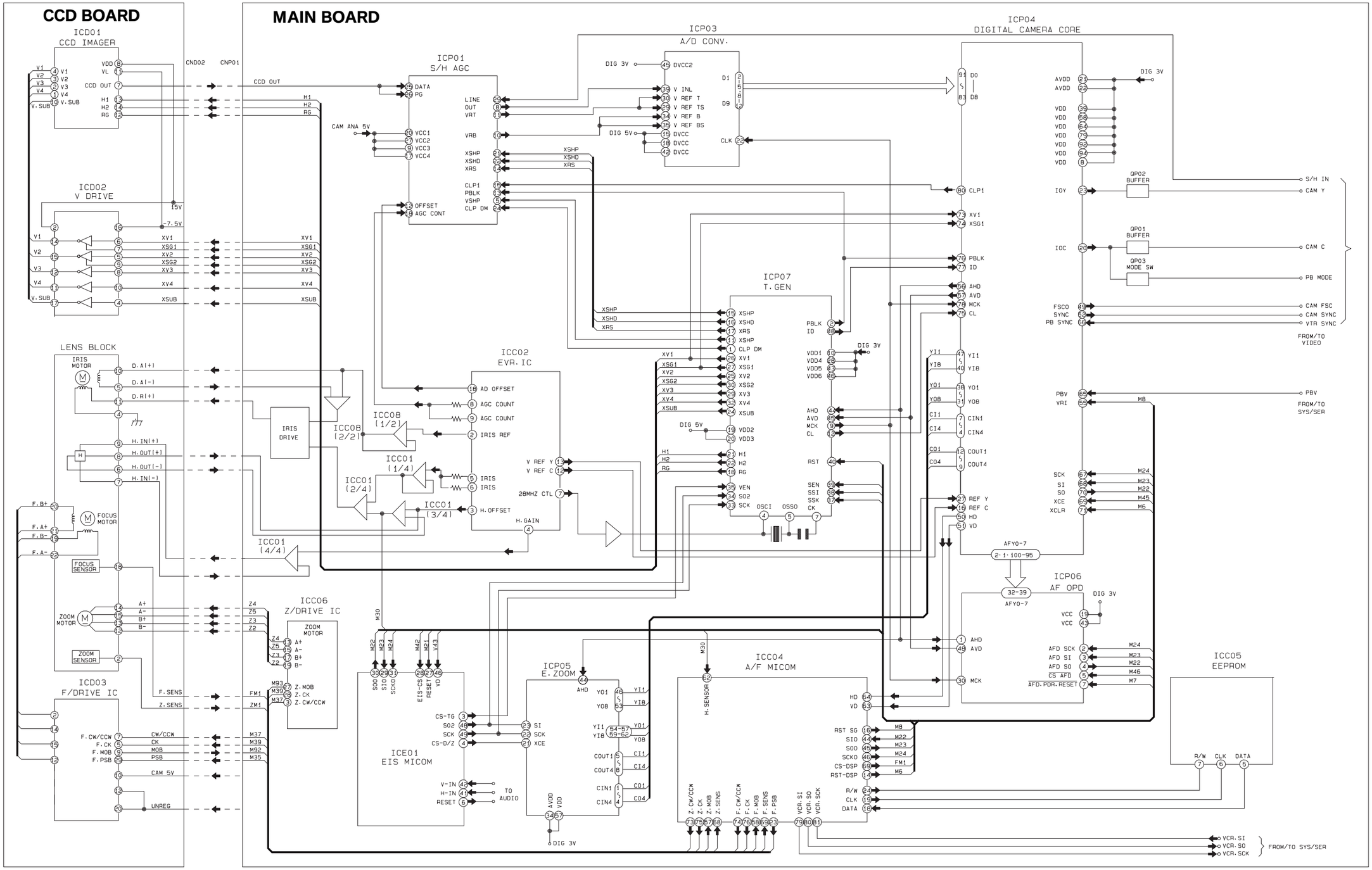
8-8 Camera Record



8-9 Mic/Audio

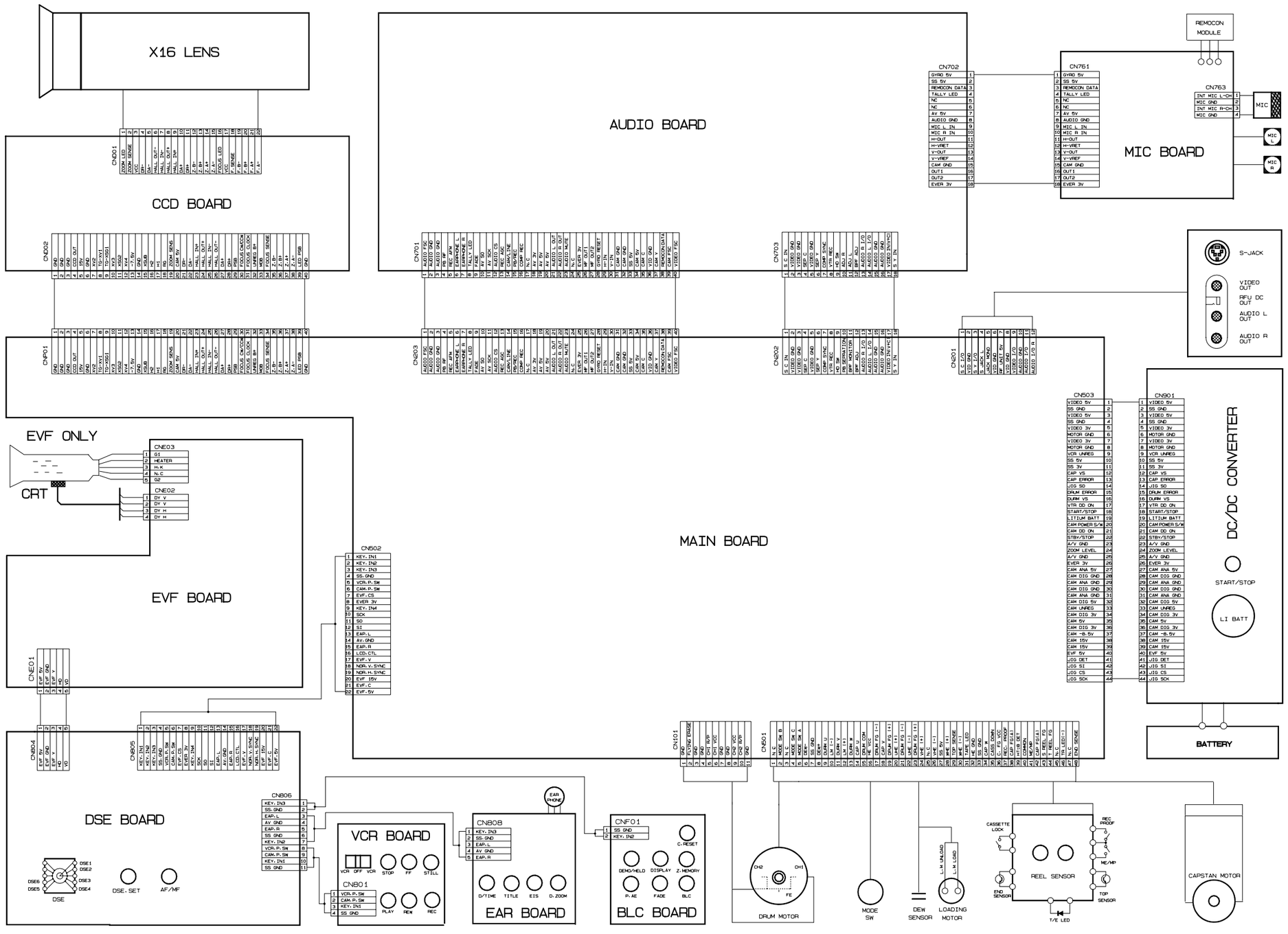

IC761
IC701
JA761
EXT. MIC
R
L
INPUT SEL.CTL2
INPUT SEL.CTL1
MIC ASSY
INT. MIC
INPUT SEL.1
INPUT SEL.2
AMP1
AMP2
GAIN CTL L
GAIN CTL R
INT.AMP GAIN- 24dB
EXT.AMP GAIN- 28dB
GAIN CTL
VCC
MIC L IN
MIC R IN
AUD L IN
AUD R IN
DEV L
DEV R
BPF ADJ
PB RF
MIC/LINE SEL. SW.
AGC
AGC DET
MIC INPUT AGC
FADE
PHASE COMPARE
VCO
LPF
BPF
1.5MHz BPF
1.7MHz BPF
MIX
MATRIX
PB RF AGC
OUTPUT SELECT
VCC(5V)
VCC(3V)
AUD R OUT
AUD L OUT
REC AFM
AV CS
AV SCK
AV SO
HD SW
FADE
TO SYSCON SERVO
AUD FSC
BPF MONITER
REC AFM
AUD FSC
TO VIDEO
A/V JACK
IN/OUT SEL. CIRCUIT
PH801
EAR PHON

8-10 Camera Main/CCD

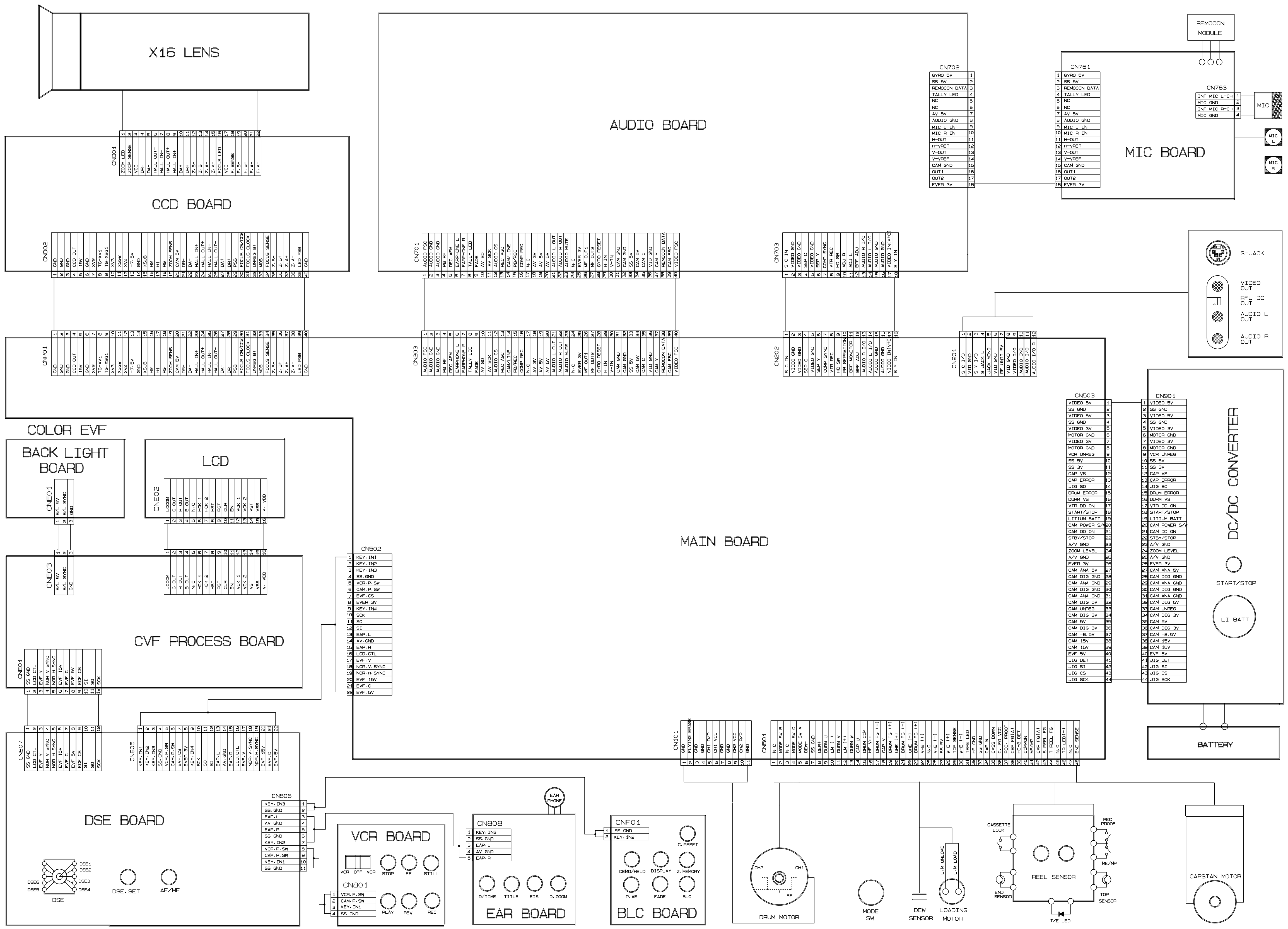


10. Wiring Diagram

VP-A50
VP-A55



VP-A52
VP-A57


X16 LENS
AUDIO BOARD
MIC BOARD
CCD BOARD
MAIN BOARD
COLOR EVF
BACK LIGHT BOARD
LCD
CVF PROCESS BOARD
DSE BOARD
VCR BOARD
EAR BOARD
BLC BOARD
DC/DC CONVERTER
BATTERY
START/STOP
LI BATT
REMOCON MODULE
S-JACK
DRUM MOTOR
MODE SW
DEW SENSOR
LOADING MOTOR
REEL SENSOR
CAPSTAN MOTOR

11. Schematic Diagrams

Note

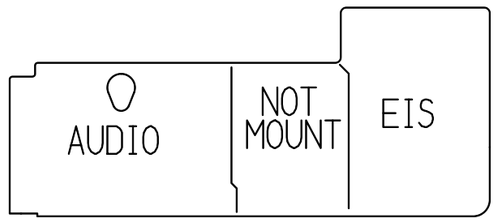
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.
- Circled numbers refer to waveforms.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the “electrostatically sensitive (ES) devices” section of this service manual.

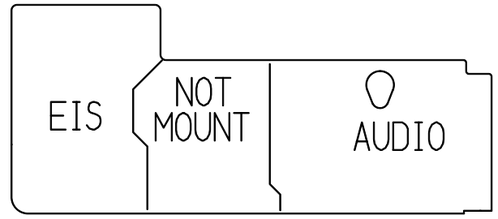
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

◆ Block Identification of Audio PCB

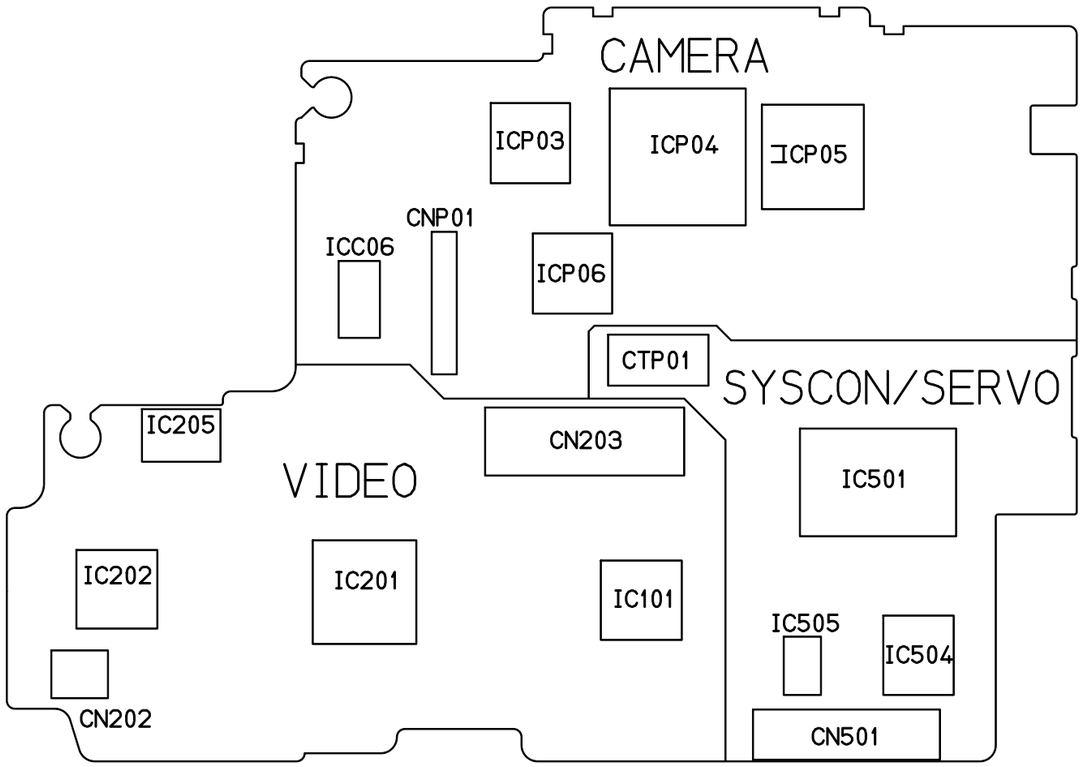


(Component Side)

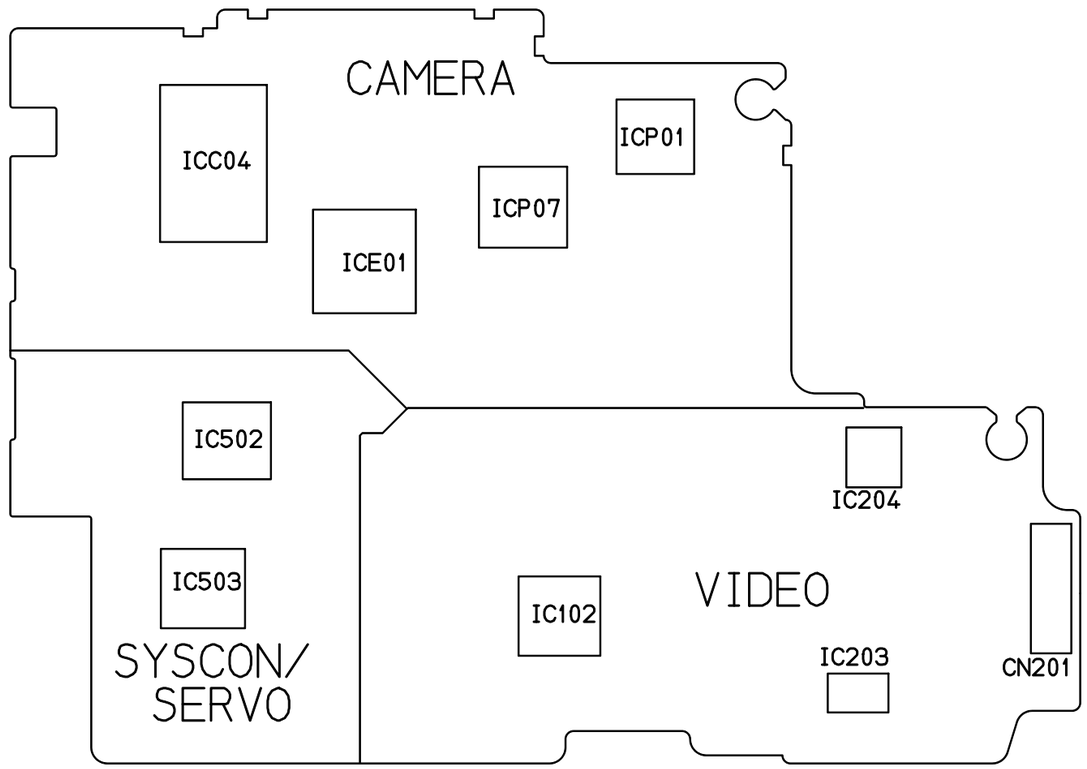


(Conductor Side)

◆ Block Identification of Main PCB

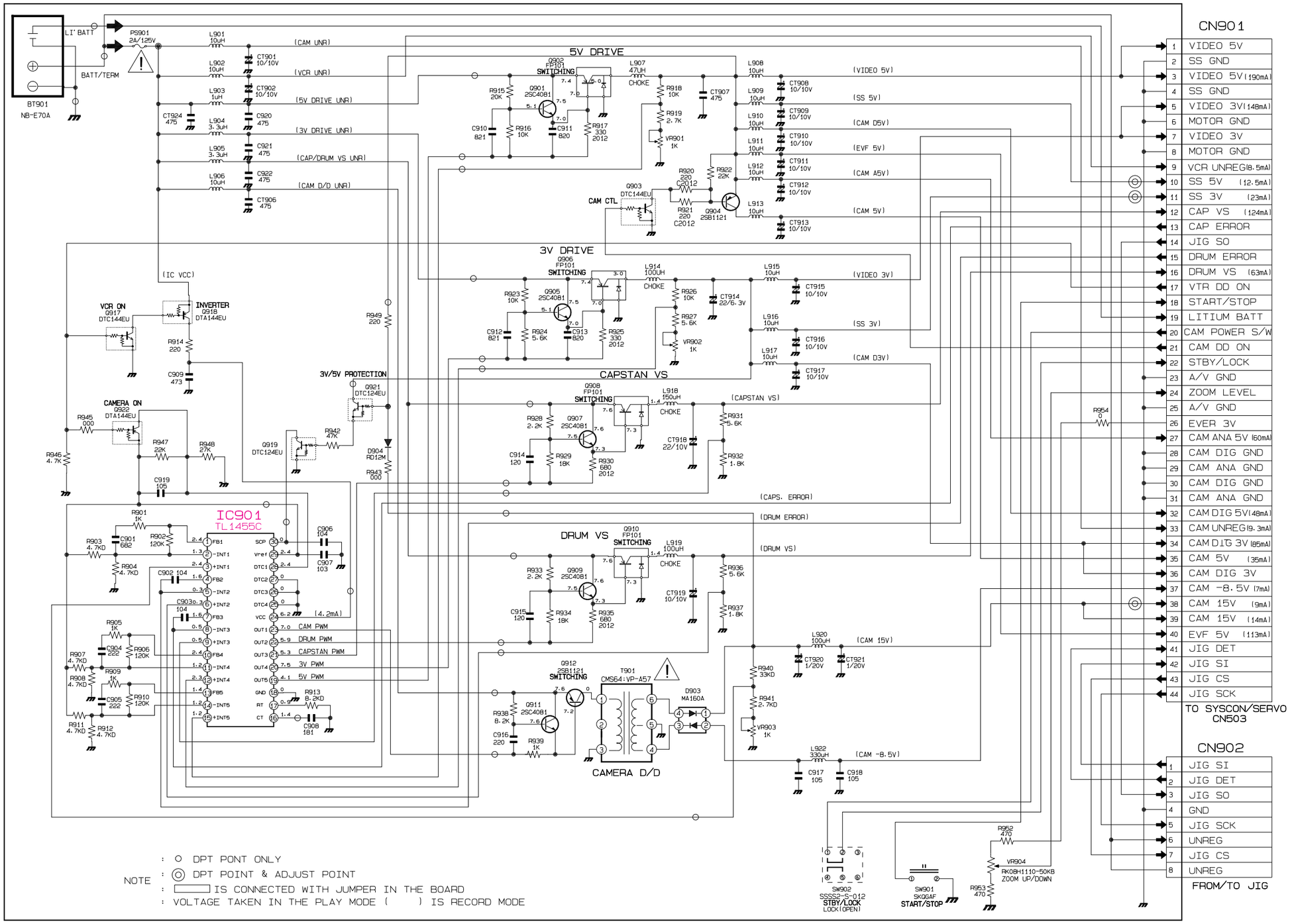


(Component Side)



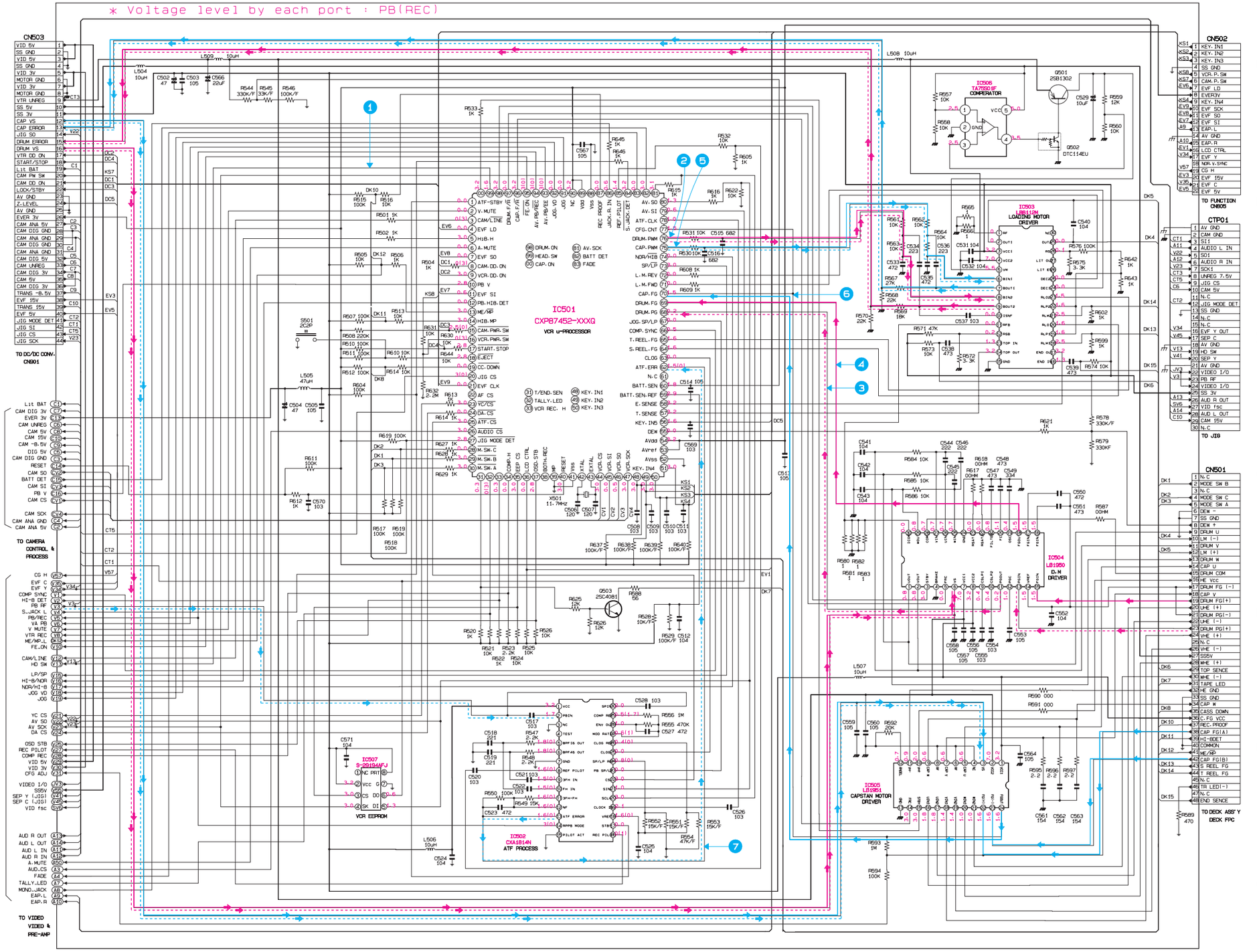
(Conductor Side)

11-1 DC/DC Converter



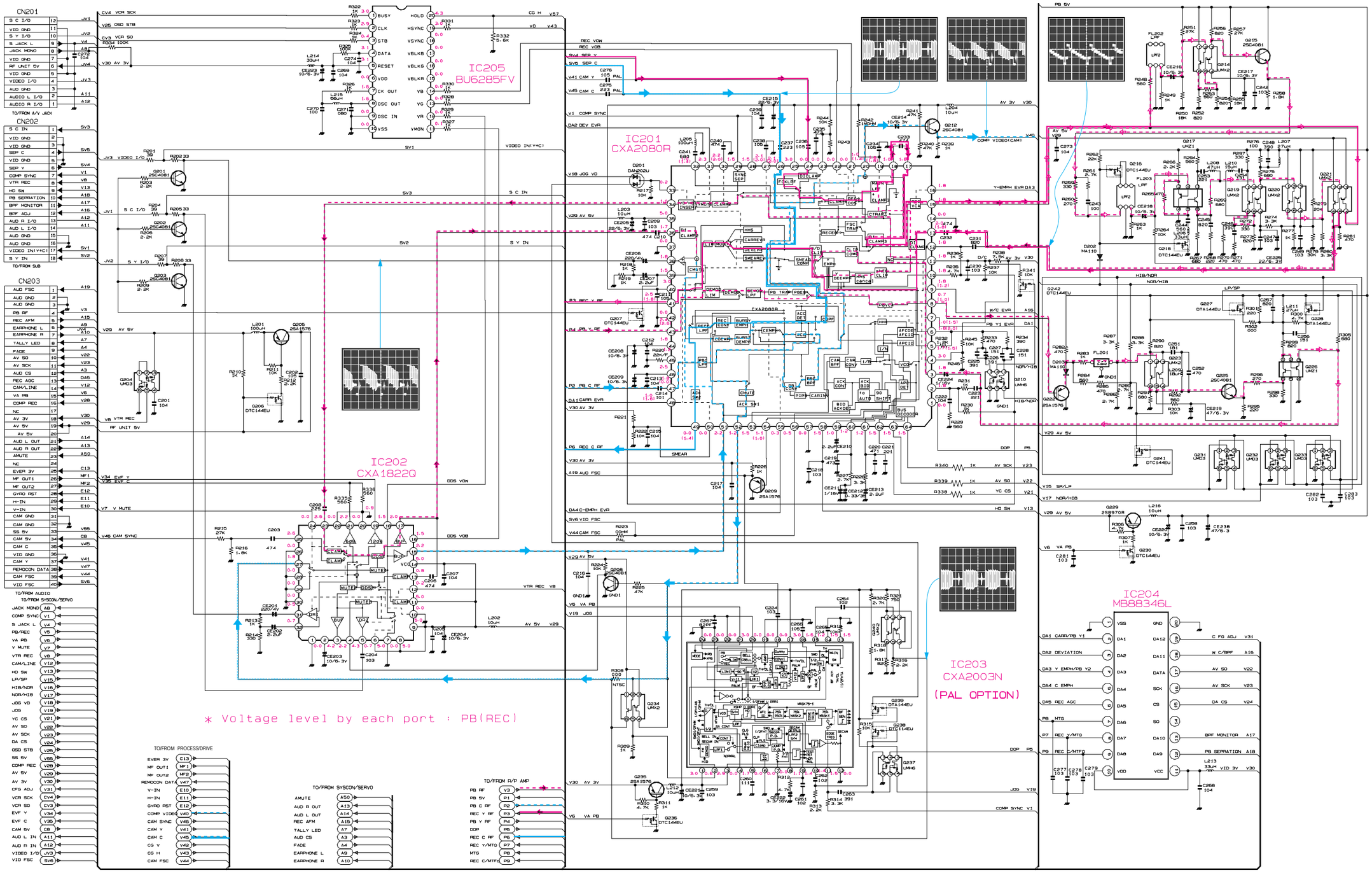
11-2 System Control/Servo

DRUM SPEED CONTROL
DRUM PHASE CONTROL
CAPSTAN SPEED CONTROL
CAPSTAN PHASE CONTROL



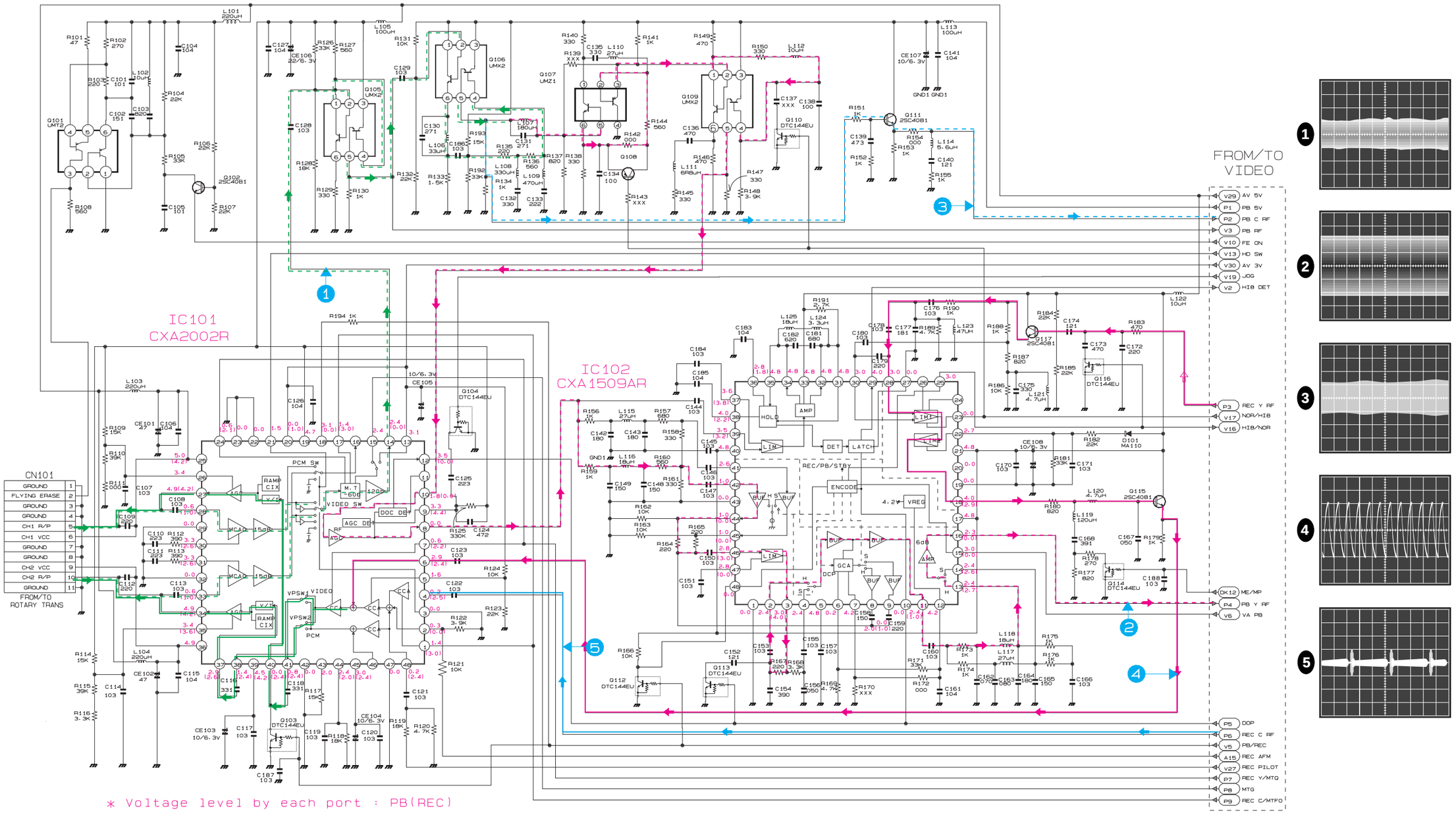
11-3 Video

REC Y PROCESS
PB Y PROCESS
REC C PROCESS
PB C PROCESS



11-4 Pre-Amp

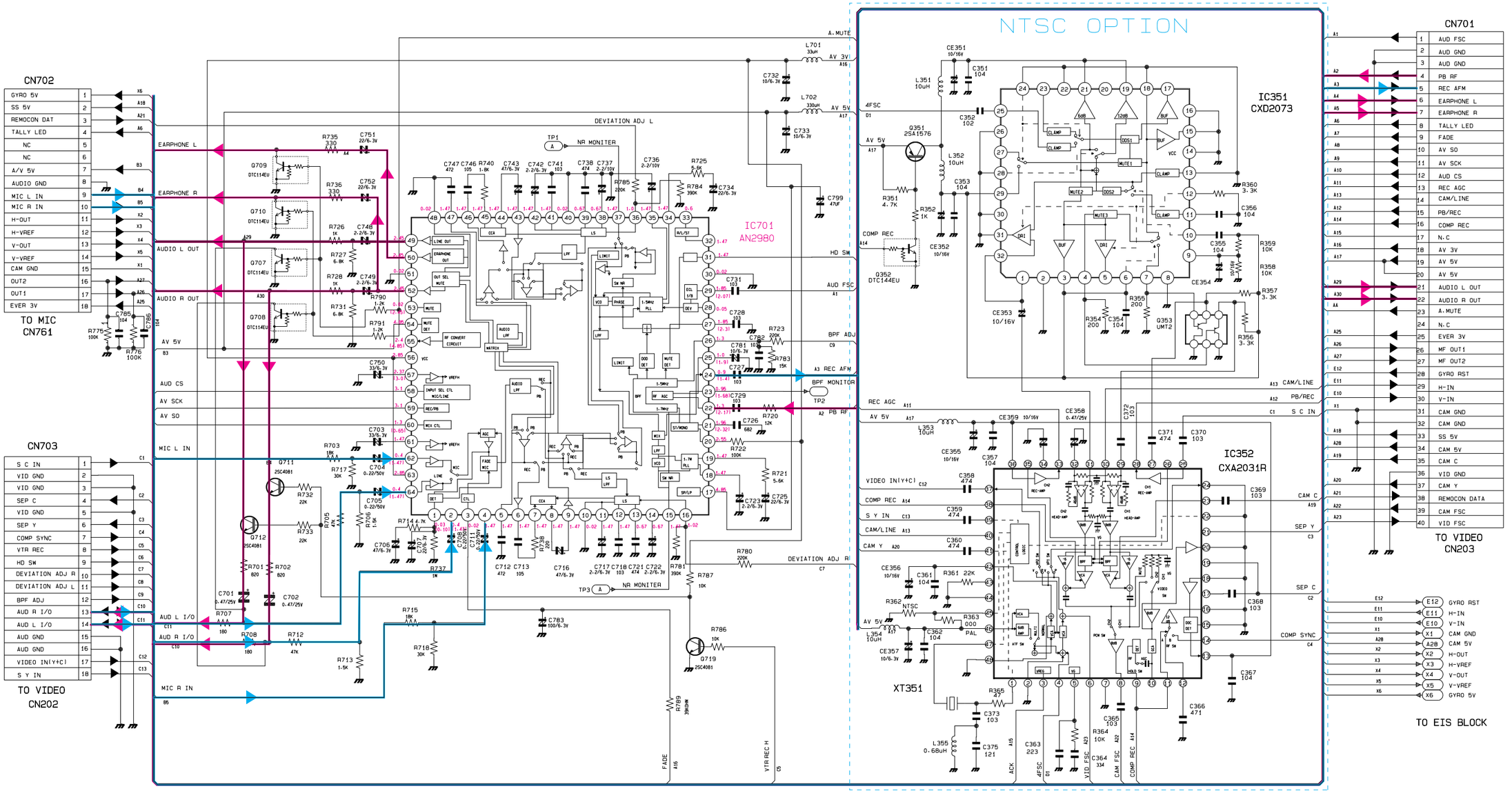
REC Y PROCESS
PB Y PROCESS
REC C PROCESS
PB C PROCESS
COMPOSITE VIDEO PB PROCESS
COMPOSITE VIDEO REC PROCESS



11-5 Audio

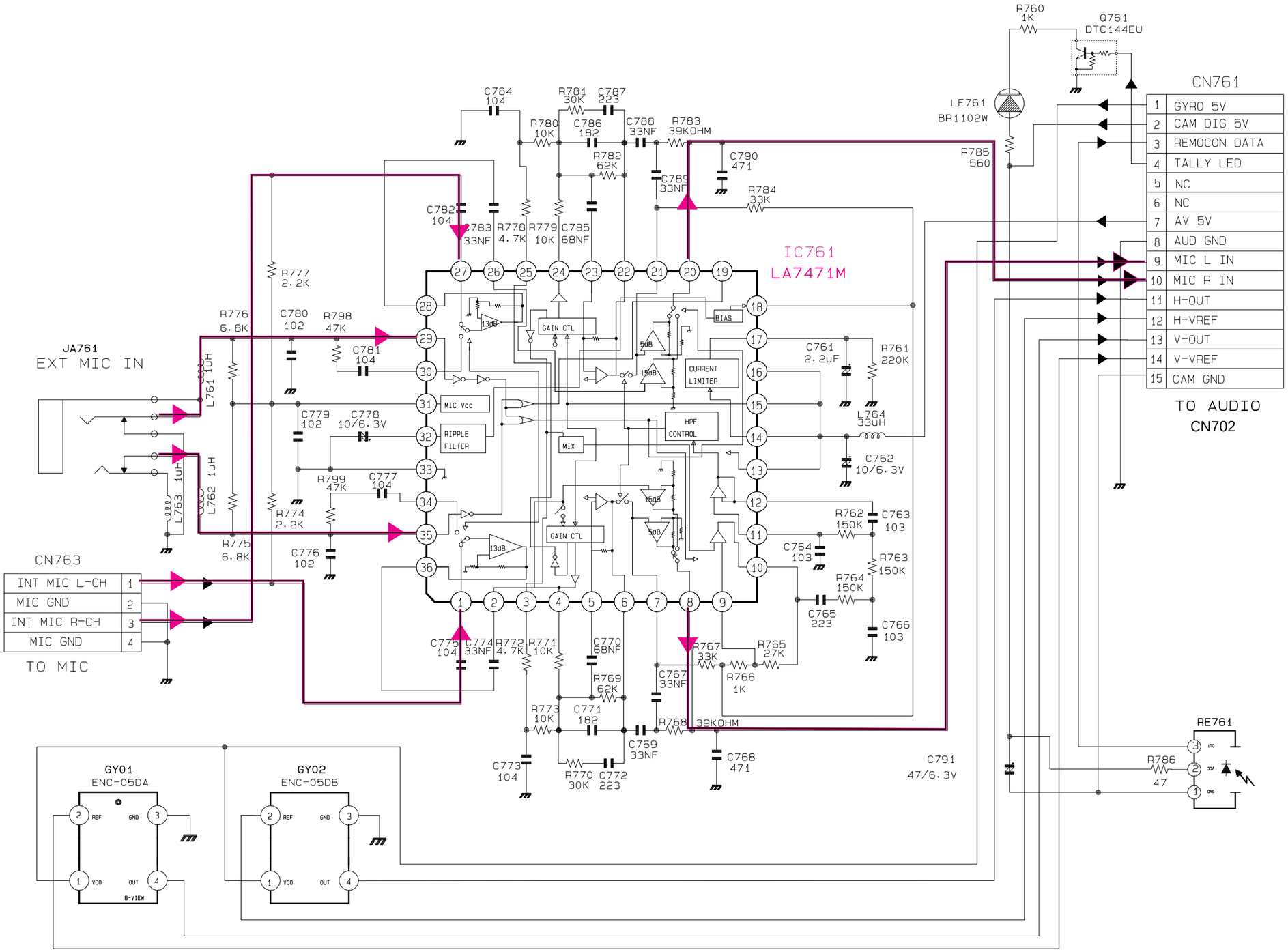
REC PROCESS

PB PROCESS



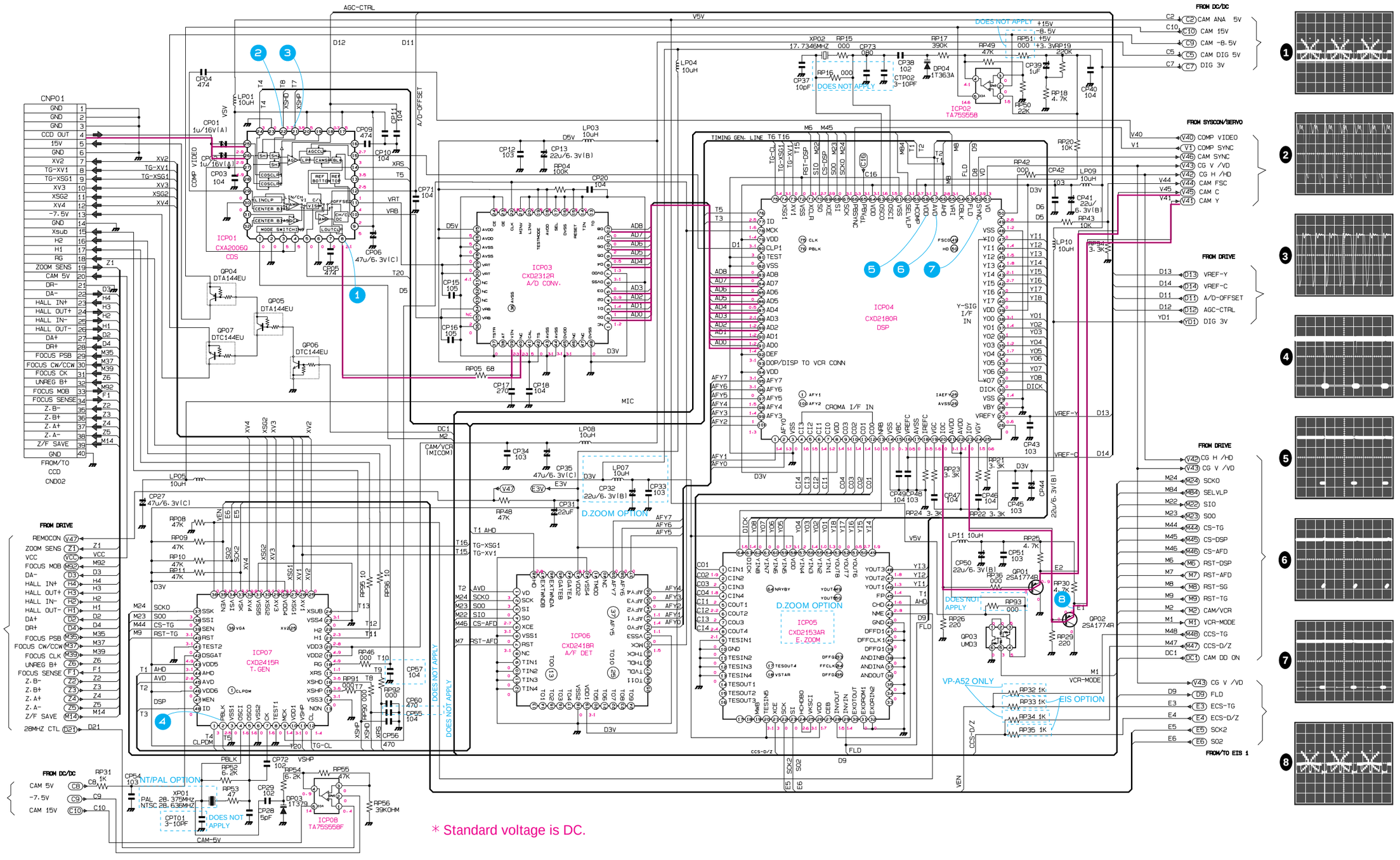
11-6 MIC

REC PROCESS

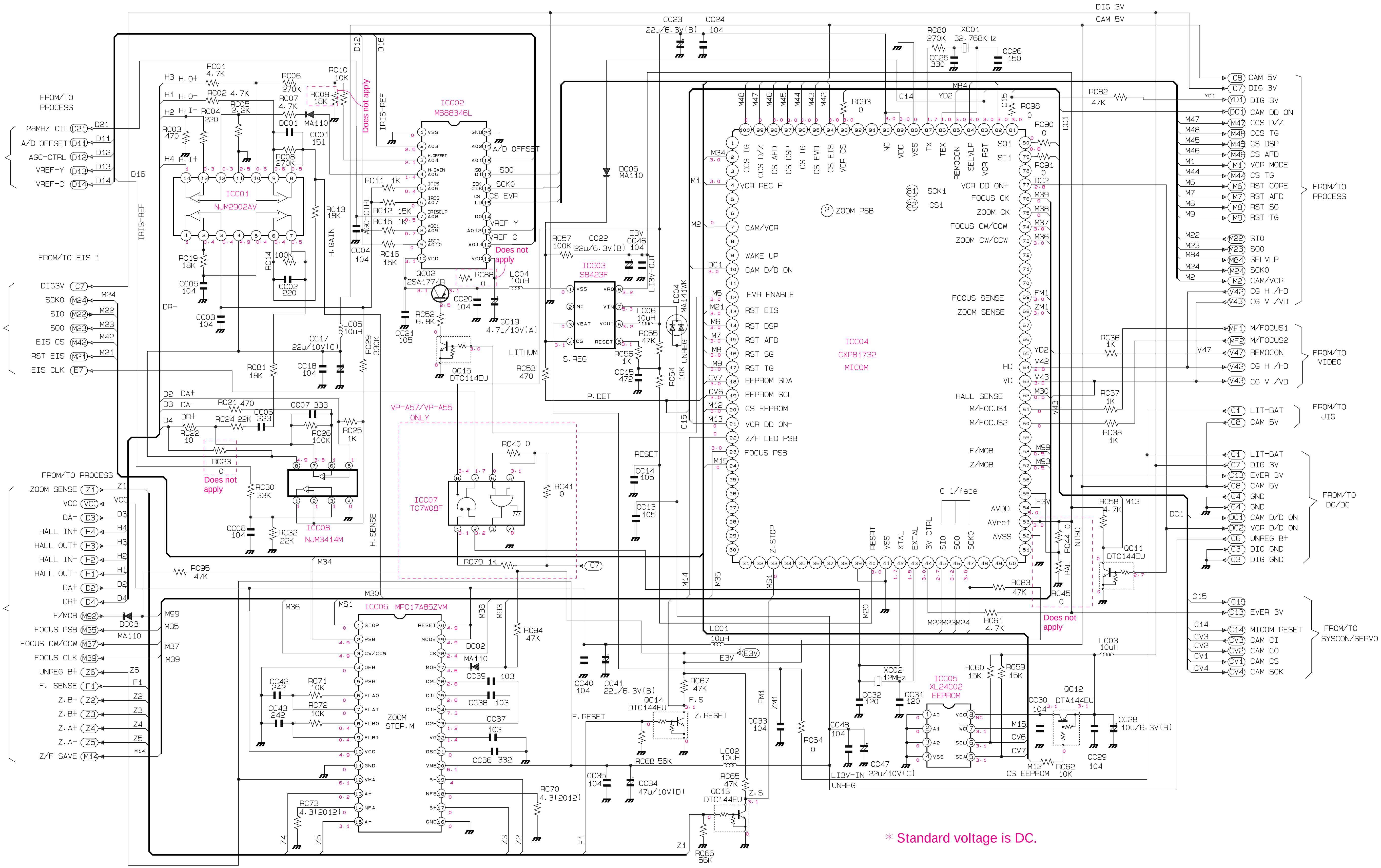


11-7 Process

CAMERA SIGNAL

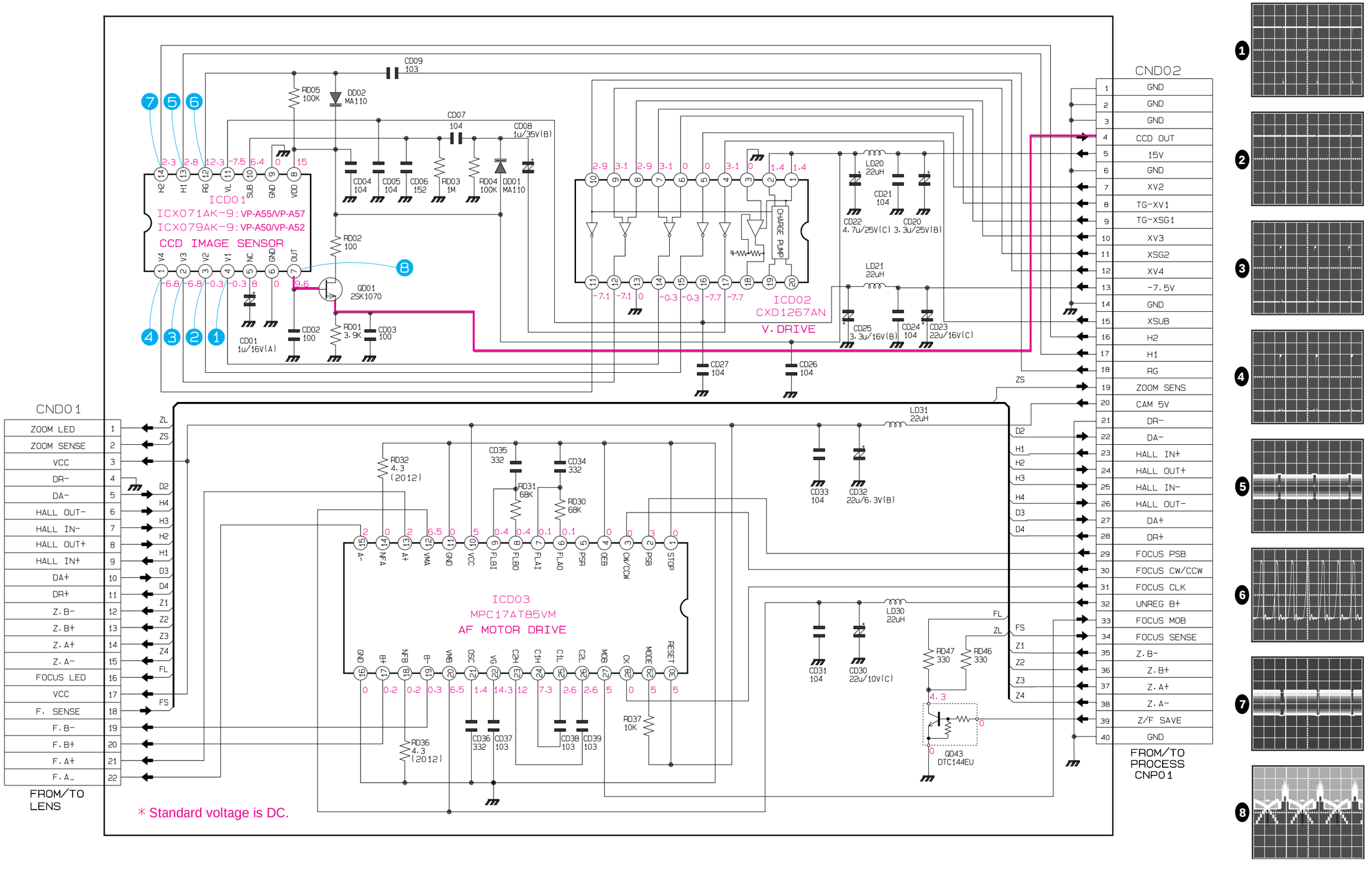


11-8 Drive

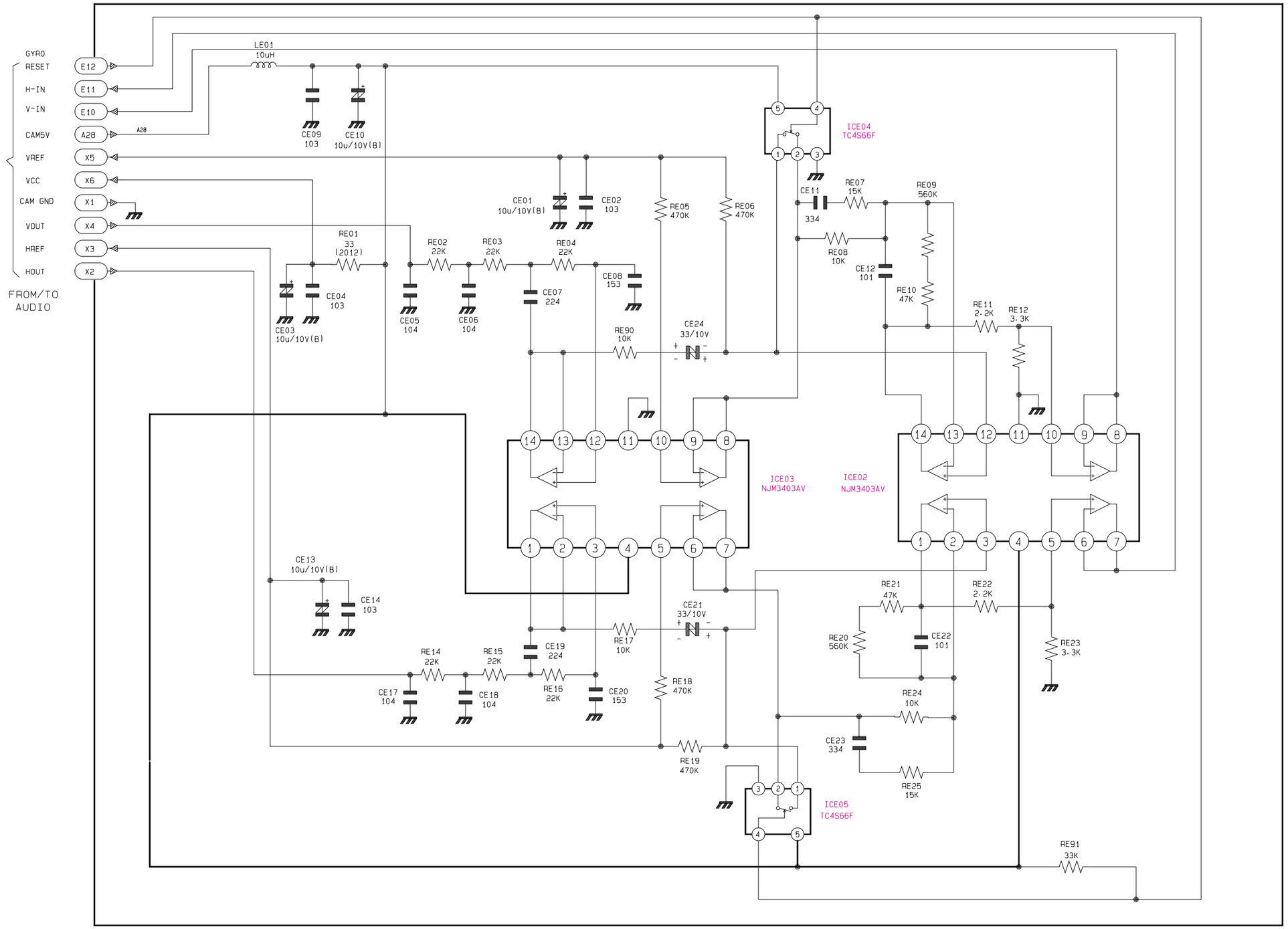

ICC01
NJM2902AV
ICC02
MB88346L
ICC03
S8423F
ICC04
CXP81732
MICOM
ICC05
XL24C02
EEPROM
ICC06 MPC17A85ZVM
ICC07
TC7W08F
ICC08
NJM3414M
FROM/TO PROCESS
FROM/TO EIS 1
FROM/TO VIDEO
FROM/TO JIG
FROM/TO DC/DC
FROM/TO SYSCON/SERVO
VP-A57/VP-A55 ONLY
Does not apply
DIG 3V
CAM 5V
LITHUM
S.REG
P.DET
RESET
F.RESET
Z.RESET
ZOOM STEP.M
* Standard voltage is DC.

11-9 CCD

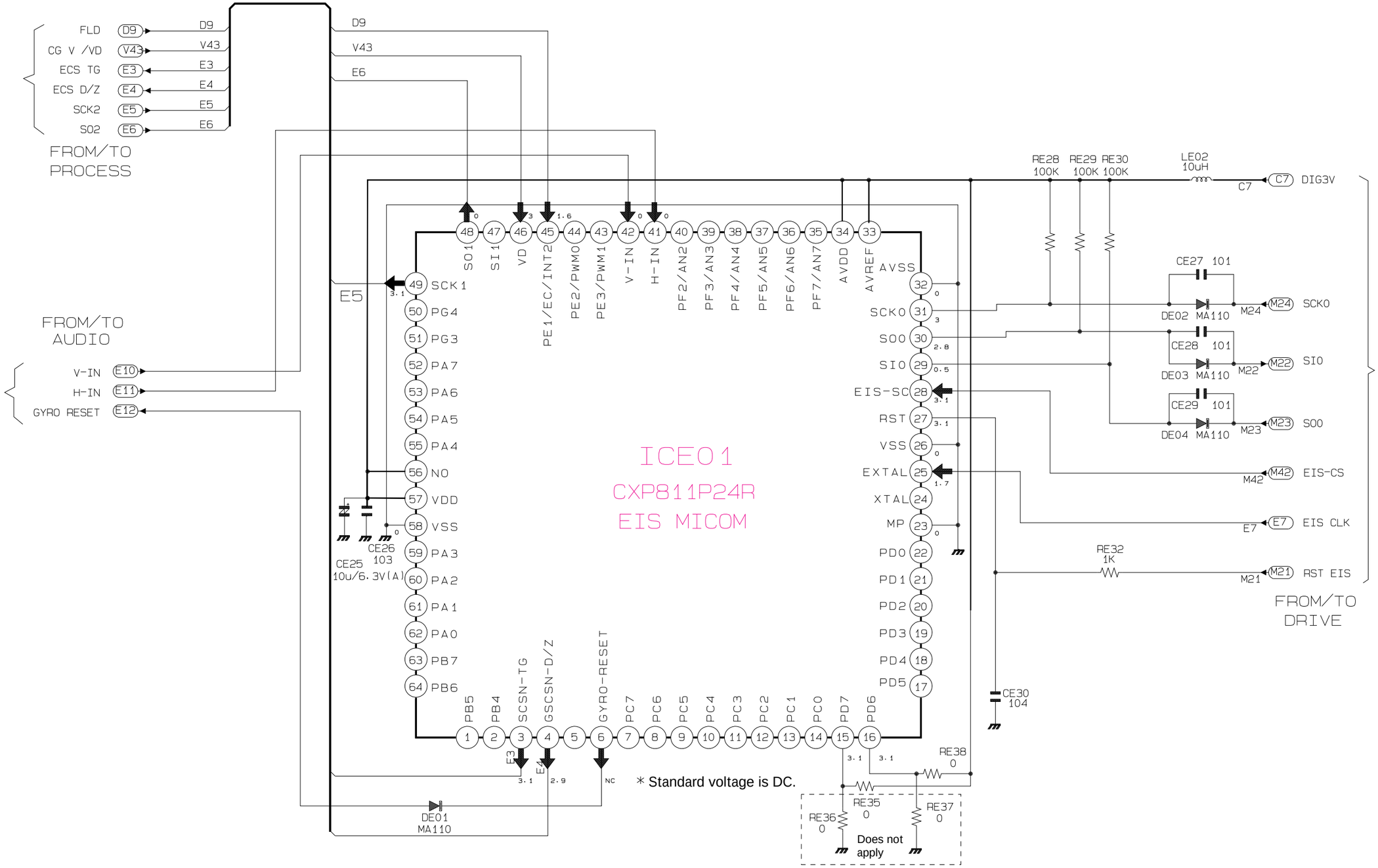
CAMERA SIGNAL



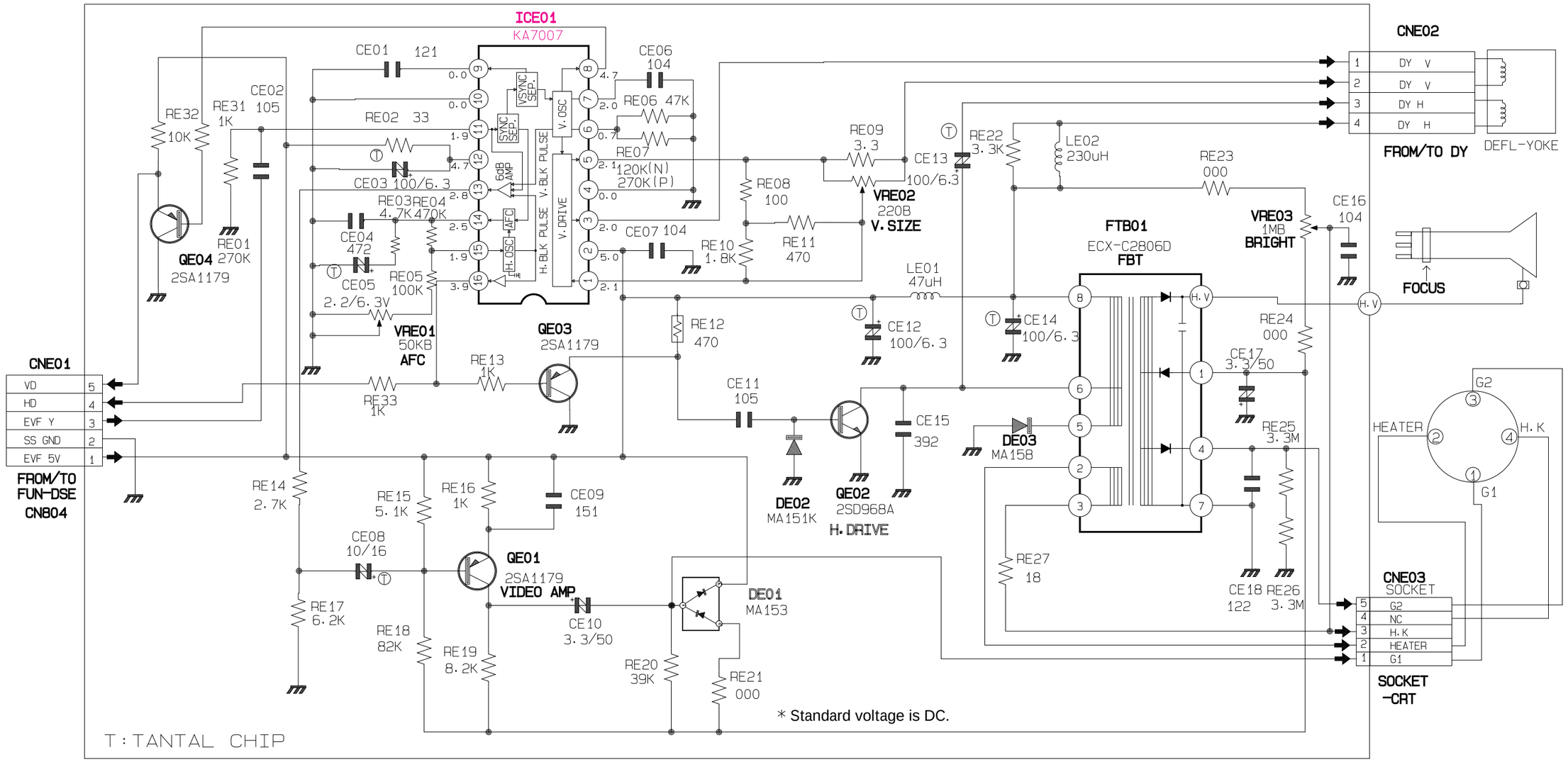
11-10 EIS 1(VP-A55/VP-A57)



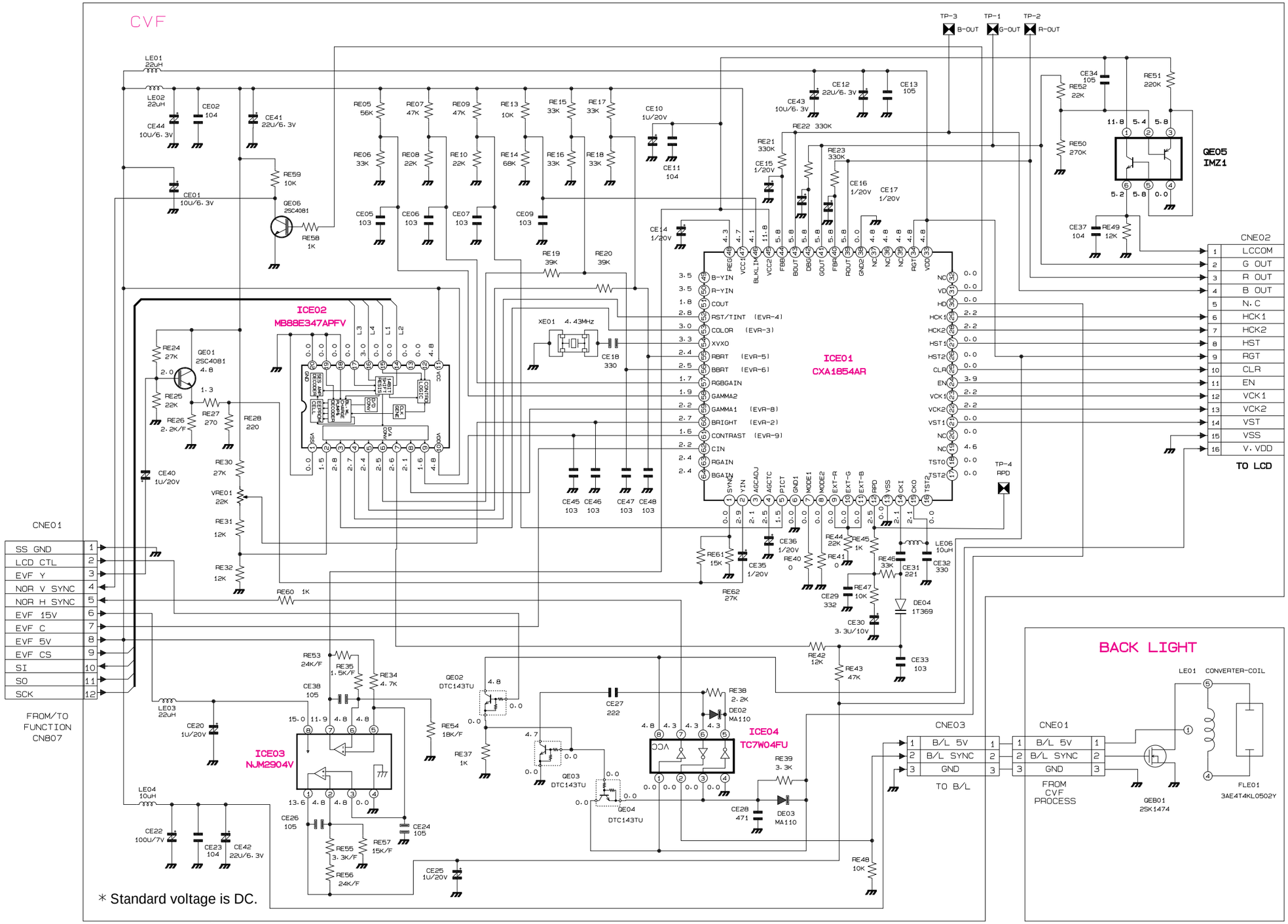
11-11 EIS 2(VP-A55/VP-A57)



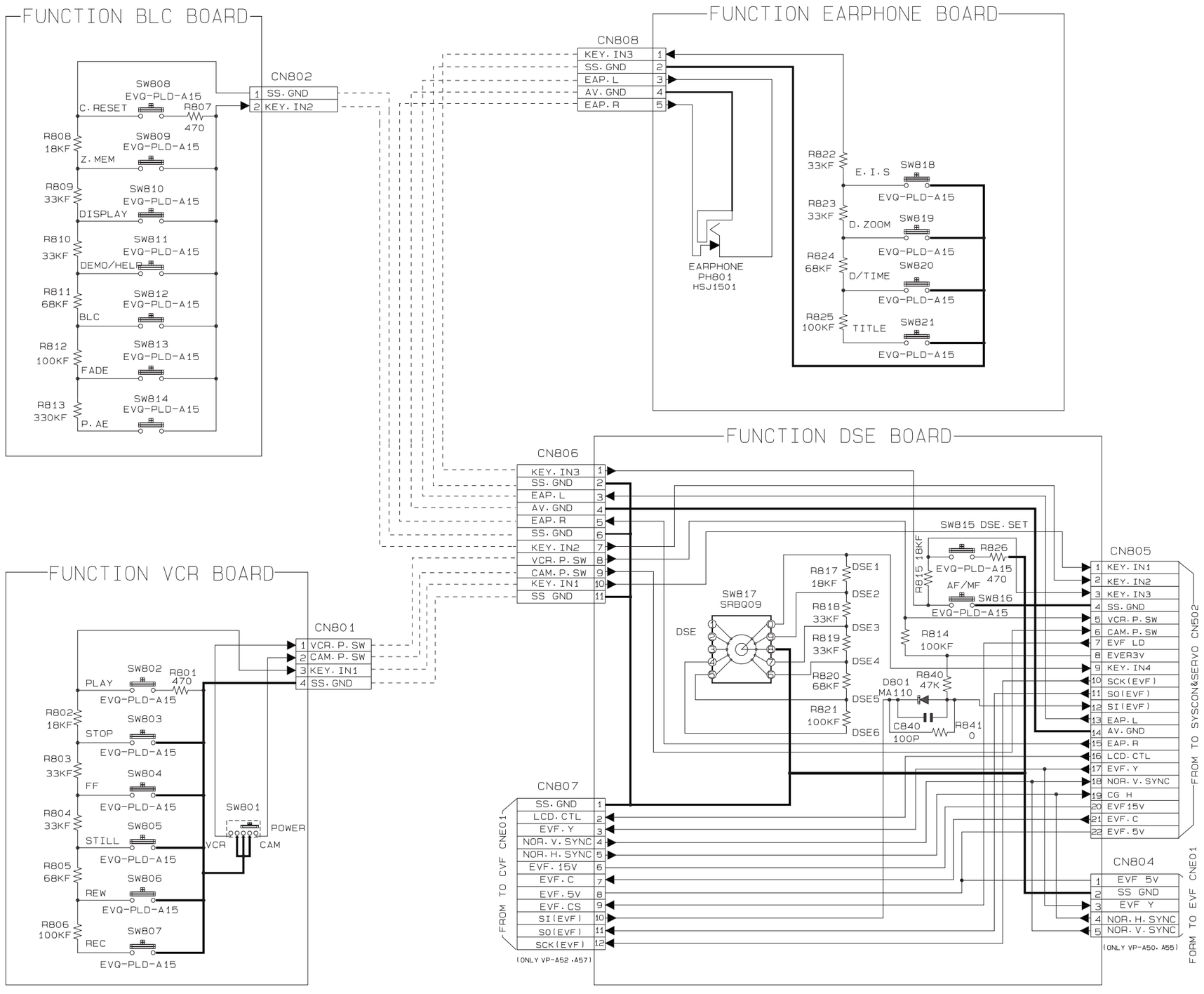
11-12 EVF(VP-A50/VP-A55)



11-13 CVF(VP-A52/VP-A57)



11-14 Function



11-15 Adaptor