

# MZ-NH600

## SERVICE MANUAL

Ver 1.0 2004.05

AEP Model  
E Model



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Model Name Using Similar Mechanism	NEW
MD Mechanism Type	MT-MZNH900-181
Optical Pick-up Name	ABX-U

### SPECIFICATIONS

#### Audio playing system

MiniDisc digital audio system

#### Laser diode properties

Material: GaAlAs

Wavelength:  $\lambda = 790 \text{ nm}$

Emission duration: continuous

Laser output: less than  $44.6 \mu\text{W}$

(This output is the value measured at a distance of 200 mm from the lens surface on the optical pick-up block with 7 mm aperture.)

#### Recording and playback time

When using HMD1G (1GB disc):

Maximum 34 hours in Hi-LP stereo

When using MDW-80 in Hi-MD mode:

Maximum 10 hours and 10 min. in Hi-LP stereo

When using MDW-80 in MD mode:

Maximum 160 min. in monaural

Maximum 320 min. in LP4 stereo

#### Revolutions

350 rpm to 3,000 rpm (CLV)

#### Error correction

Hi-MD:

LDC (Long Distance Code)/BIS (Burst Indicator Subcode)

MD:

ACIRC (Advanced Cross Interleave Reed Solomon Code)

#### Sampling frequency

44.1 kHz

#### Sampling rate converter

Input: 32 kHz/44.1 kHz/48 kHz

#### Coding

Hi-MD:

ATRAC3plus (Adaptive TRansform Acoustic Coding 3 plus)

MD:

ATRAC

ATRAC3 – LP2/LP4

#### Modulation system

Hi-MD:

1-7RLL (Run Length Limited)/PRML (Partial Response Maximum Likelihood)

MD:

EFM (Eight to Fourteen Modulation)

#### Frequency response

20 to 20,000 Hz  $\pm 3 \text{ dB}$

#### Inputs

LINE IN (OPT)<sup>1)</sup>:

stereo mini-jack for analog input (minimum input level 49 mV)

optical (digital) mini-jack for optical (digital) input

<sup>1)</sup>The LINE IN (OPT) jack is used to connect either a digital (optical) cable or a line (analog) cable.

#### Outputs

○: stereo mini-jack

#### Maximum output (DC)

Headphones:

3 mW + 3 mW (16  $\Omega$ ) (European models)

5 mW + 5 mW (16  $\Omega$ ) (Other models)

#### Power requirements

One LR6 (size AA) alkaline battery

AC power adaptor DC 3V

#### Operating temperature

+5°C (+41°F) to +35°C (+95°F)

Battery life<sup>2)</sup>

#### Hi-MD mode (When using a 1GB Hi-MD disc)

(Unit: approx.hours)(JEITA<sup>3)</sup>)

When	Linear PCM	Hi-SP	Hi-LP
Recording continuously	2.5	3.5	4.5
Playing continuously	11.0	18.5	21.5

<sup>2)</sup> When using a new Sony LR6 (size AA) alkaline dry battery (produced in Japan)

<sup>3)</sup> Measured in accordance with the JEITA (Japan Electronics and Information Technology Industries Association) standard.

– Continued on next page –

## PORTABLE MINIDISC RECORDER

9-877-840-01  
2004E05-1  
© 2004.05

Sony Corporation  
Personal Audio Company  
Published by Sony Engineering Corporation

SONY®

# MZ-NH600

## Hi-MD mode (When using a 60/74/80-minute standard disc)

(Unit: approx.hours)(JEITA)

When	Linear PCM	Hi-SP	Hi-LP
Recording continuously	5.0	8.0	9.5
Playing continuously	9.5	17.0	20.0

## MD mode

(Unit: approx.hours)(JEITA)

When	SP Stereo	LP2 Stereo	LP4 Stereo
Recording continuously	7.5	9.5	11.0
Playing continuously	20.5	24.0	26.0

## Dimensions

Approx. 83.6 × 28.9 × 77.0 mm (w/h/d)  
(3<sup>3</sup>/<sub>8</sub> × 1<sup>3</sup>/<sub>16</sub> × 3<sup>1</sup>/<sub>8</sub> in.) (excluding projecting parts and controls)

## Mass

Approx. 101 g (3.6 oz) (the recorder only)

## Supplid accessories

Headphones/earphones (1)

Dedicated USB cable (1)

Clamp filters for the AC power adaptor (2)

Attach the clamp filters when using the optional AC power adaptor <sup>4)</sup>

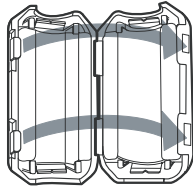
CD-ROM (SonicStage Ver. 2.0/MD Simple Burner Ver. 2.0) (1)\*

\*Do not play a CD-ROM on an audio CD player.

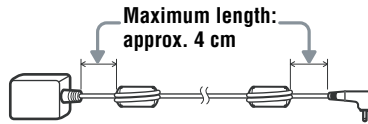
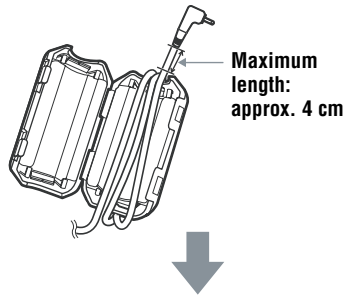
### <sup>4)</sup> When using the optional AC power adaptor AC-E30HG:

Before using the AC power adaptor AC-E30HG, do the following procedure to attach the clamp filters to the cord of the AC power adaptor. (You must affix the ferrite cores to comply with applicable EMC standards.)

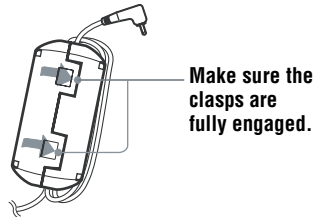
### ① Open the clamp filters.



### ② Wind the AC power cord into the clamp filters as shown below.



### ③ Close the clamp filters.



Design and specifications are subject to change without notice.

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**CAUTION**  
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**Notes on chip component replacement**

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

**Flexible Circuit Board Repairing**

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

**UNLEADED SOLDER**

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead. (Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

**LF : LEAD FREE MARK**

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.  
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.  
Soldering irons using a temperature regulator should be set to about 350 °C.  
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity  
Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder  
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

**SAFETY-RELATED COMPONENT WARNING!!**

COMPONENTS IDENTIFIED BY MARK  $\Delta$  OR DOTTED LINE WITH MARK  $\Delta$  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

## SECTION 1 SERVICING NOTES

### NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body. During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

### NOTES ON LASER DIODE EMISSION CHECK

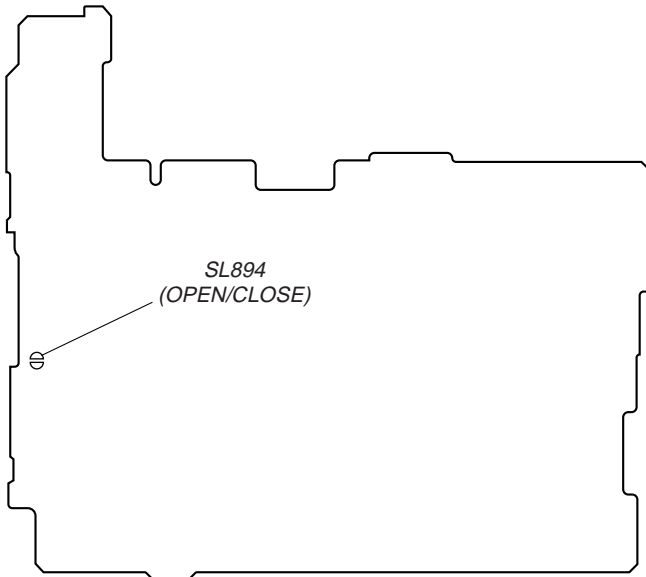
The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

### OPERATION CHECK WHEN THE LID IS OPEN

In performing the repair with the power supplied to the set, removing the MAIN board causes the set to be disabled.

In such a case, make a solder bridge to short SL894 (OPEN/CLOSE) on the MAIN board in advance.

#### – MAIN Board (Conductor Side) –



### Providing the required system environment

#### System requirements

The following system environment is required in order to use the SonicStage Ver. 2.0/MD Simple Burner Ver. 2.0 software for the MD Walkman.

Computer	IBM PC/AT or Compatible <ul style="list-style-type: none"> <li>• CPU: Pentium II 400 MHz or higher (Pentium III 450 MHz or higher is recommended.)</li> <li>• Hard disk drive space: 200 MB or more (1.5 GB or more is recommended) (The amount space will vary according to Windows version and the number of music files stored on the hard disk.)</li> <li>• RAM: 64 MB or more (128 MB or more is recommended)</li> </ul> Others <ul style="list-style-type: none"> <li>• CD drive (capable of digital playback by WDM)</li> <li>• Sound Board</li> <li>• USB port (supports USB (previously USB 1.1))</li> </ul>
Operating System	Factory installed: Windows XP Media Center Edition 2004/Windows XP Media Center Edition/Windows XP Professional/Windows XP Home Edition/Windows 2000 Professional/Windows Millennium Edition/Windows 98 Second Edition
Display	High Color (16bit) or higher, 800 × 600 dots or better (1024 × 768 dots or better is recommended)
Others	<ul style="list-style-type: none"> <li>• Internet access: for Web registration, EMD services and CDDB</li> <li>• Windows Media Player (version 7.0 or higher) installed for playing WMA files</li> </ul>

#### This software is not supported by the following environments:

- OSs other than the indicated above
- Personally constructed PCs or operating systems
- An environment that is an upgrade of the original manufacturer-installed operating system
- Multi-boot environment
- Multi-monitor environment
- Macintosh

#### Notes

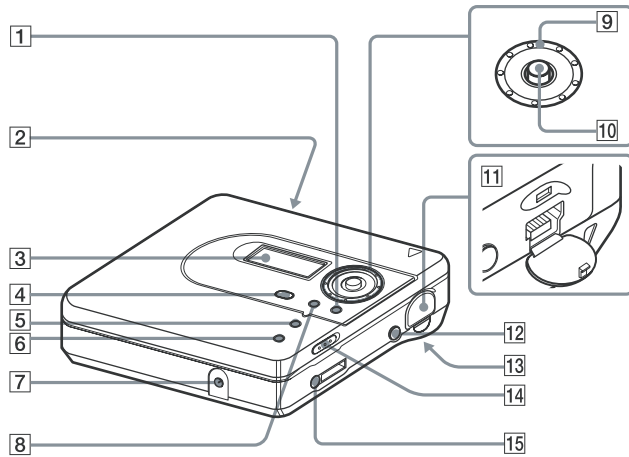
- We do not ensure trouble-free operation on all computers that satisfy the system requirements.
- The NTFS format of Windows XP/Windows 2000 Professional can be used only with the standard (factory) settings.
- We do not ensure trouble-free operation of the system suspend, sleep, or hibernation function on all computers.
- For Windows 2000 Professional users, install Service Pack 3 or later version before using the software.

**SECTION 2  
GENERAL**

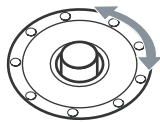
This section is extracted from instruction manual.

**Looking at controls**

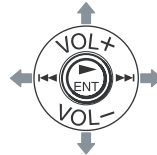
**The recorder**



- 1 ■ (stop) • CANCEL button
- 2 OPEN switch
- 3 Display window
- 4 T MARK/REC (+▶) button
- 5 •NAVI/ ●MENU button  
Press lightly to go to the NAVI (navigation) setting mode  
Press for 2 seconds or more to go to the MENU setting mode.
- 6 GROUP button
- 7 DC IN 3V jack  
When you use the optional AC power adaptor, connect it to this jack.
- 8 || (pause) button
- 9 Jog dial



10 5-way control key

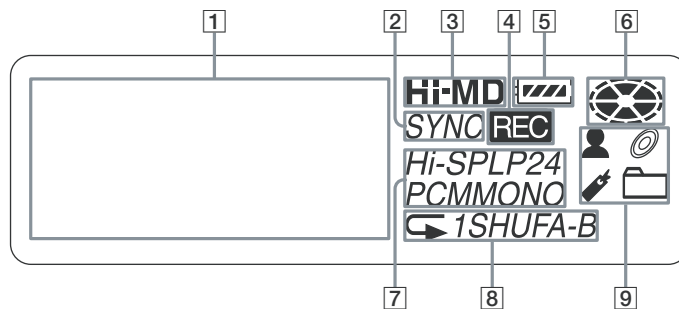


Operation	Function
Press ▶ENT <sup>1)</sup>	play, enter
Press towards ◀◀	find the beginning of the previous track, rewind
Press towards ▶▶	find the beginning of the next track, fast forward
Press towards VOL + <sup>1)</sup> or VOL -.	volume

<sup>1)</sup> There are tactile dots beside the ▶ENT and VOL + buttons.

- 11 USB cable connecting jack
- 12 LINE IN (OPT) jack
- 13 Battery compartment (at the bottom)
- 14 HOLD switch  
Slide the switch in the direction of the arrow to disable the buttons on the recorder. To prevent the buttons from being accidentally operated when you carry the recorder, use this function.
- 15 (headphones/earphones) jack

**The display window of the recorder**




- 1 Character information display  
Displays the disc and track names, date, error messages, track numbers, etc.
- 2 SYNC (synchro-recording) indication
- 3 Hi-MD/MD indication  
“Hi-MD” lights up when the operation mode of the recorder is in Hi-MD mode and “MD” lights up when the operation mode is in MD mode.
- 4 REC indication  
Lights up during recording or file transfers from the computer. When flashing, the recorder is in record standby mode.
- 5 Battery indication  
Shows the approximate remaining battery power. If the battery is weak, the indication becomes empty and starts flashing.
- 6 Disc indication  
Shows that the disc is rotating for recording or playing.
- 7 Track mode (PCM, Hi-SP, Hi-LP, SP, LP2, LP4, MONO) indication
- 8 Sub play mode/Repeat play indications  
Shows the selected Sub play mode (single-track play, shuffle play, etc.) or Repeat play.
- 9 Main play mode indications  
Shows the selected main play mode (group play, bookmark play, etc.).

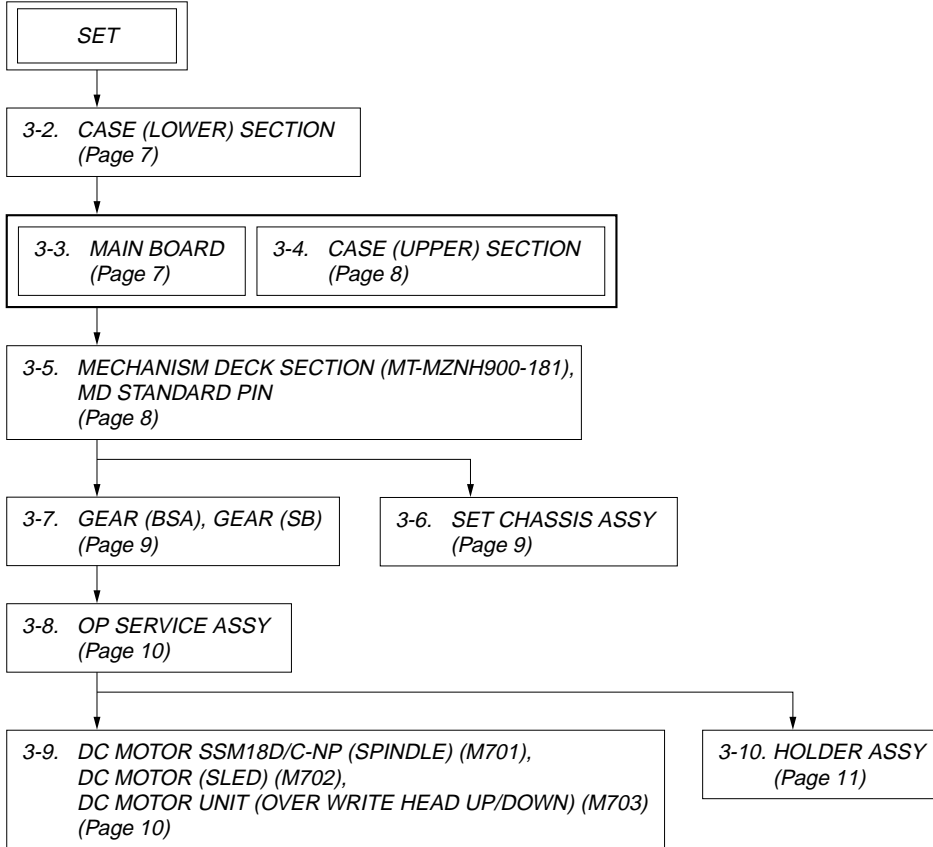
## SECTION 3 DISASSEMBLY

- This set can be disassembled in the order shown below.

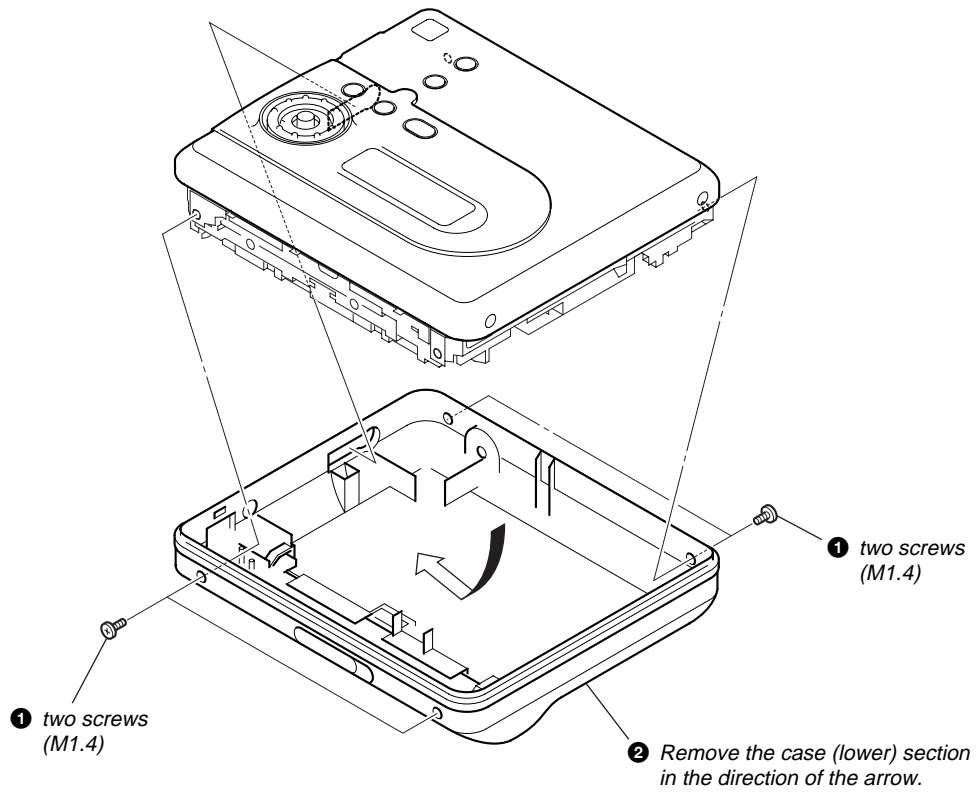
### 3-1. DISASSEMBLY FLOW

**Note 1:** The process described in  can be performed in any order.

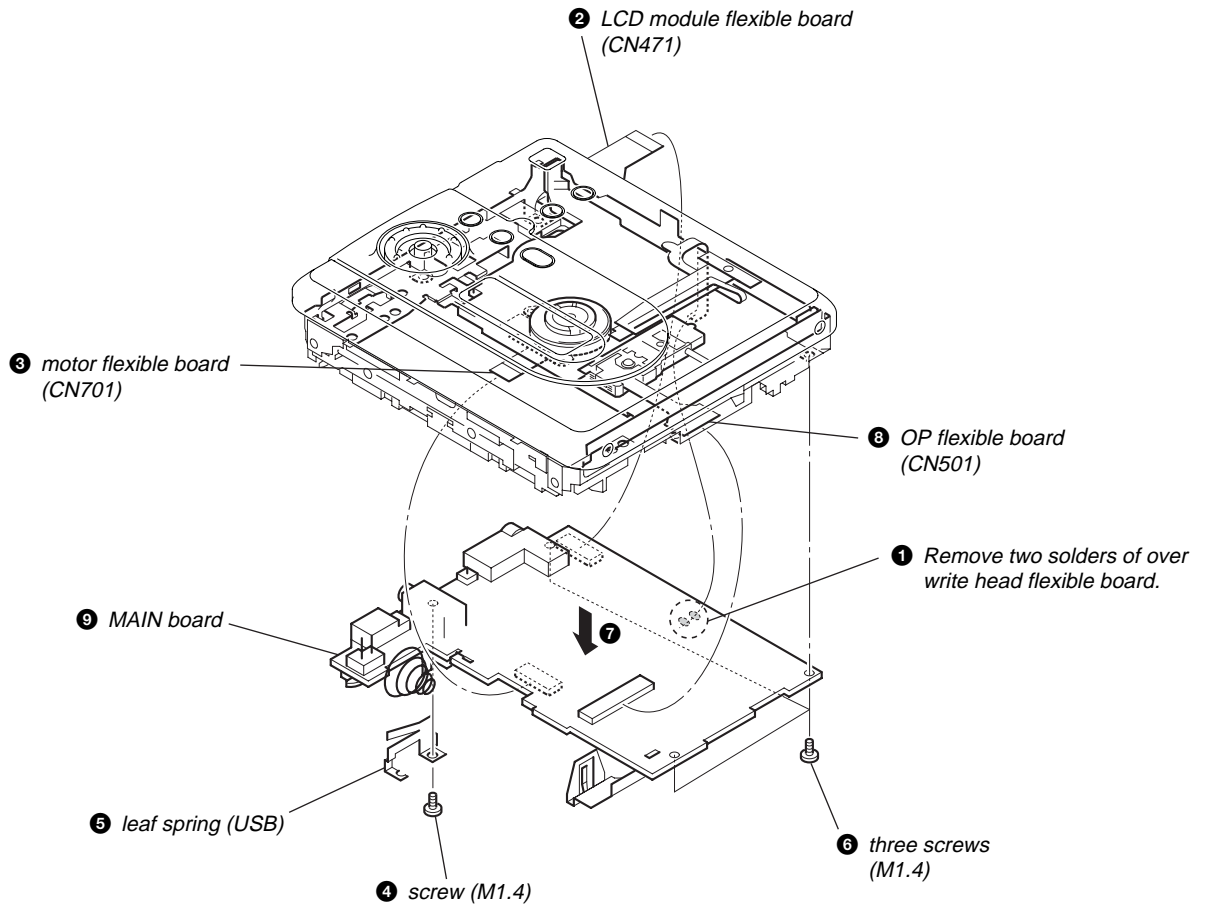
**Note 2:** Without completing the process described in , the next process can not be performed.



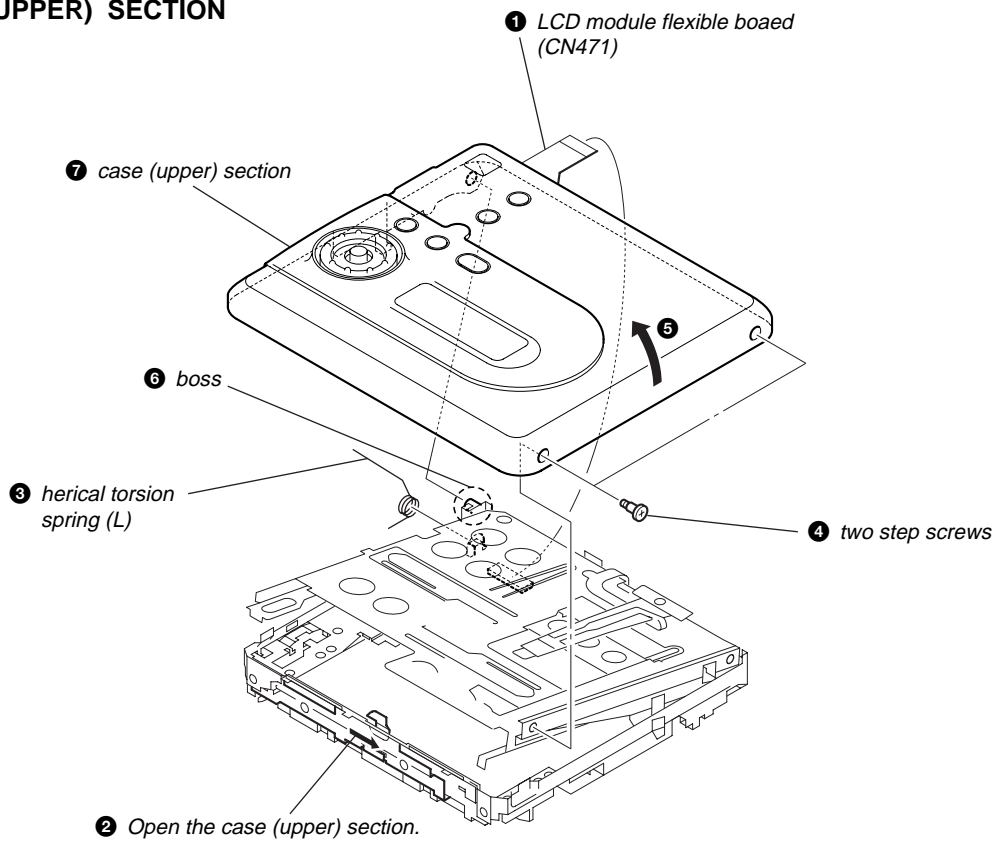
3-2. CASE (LOWER) SECTION



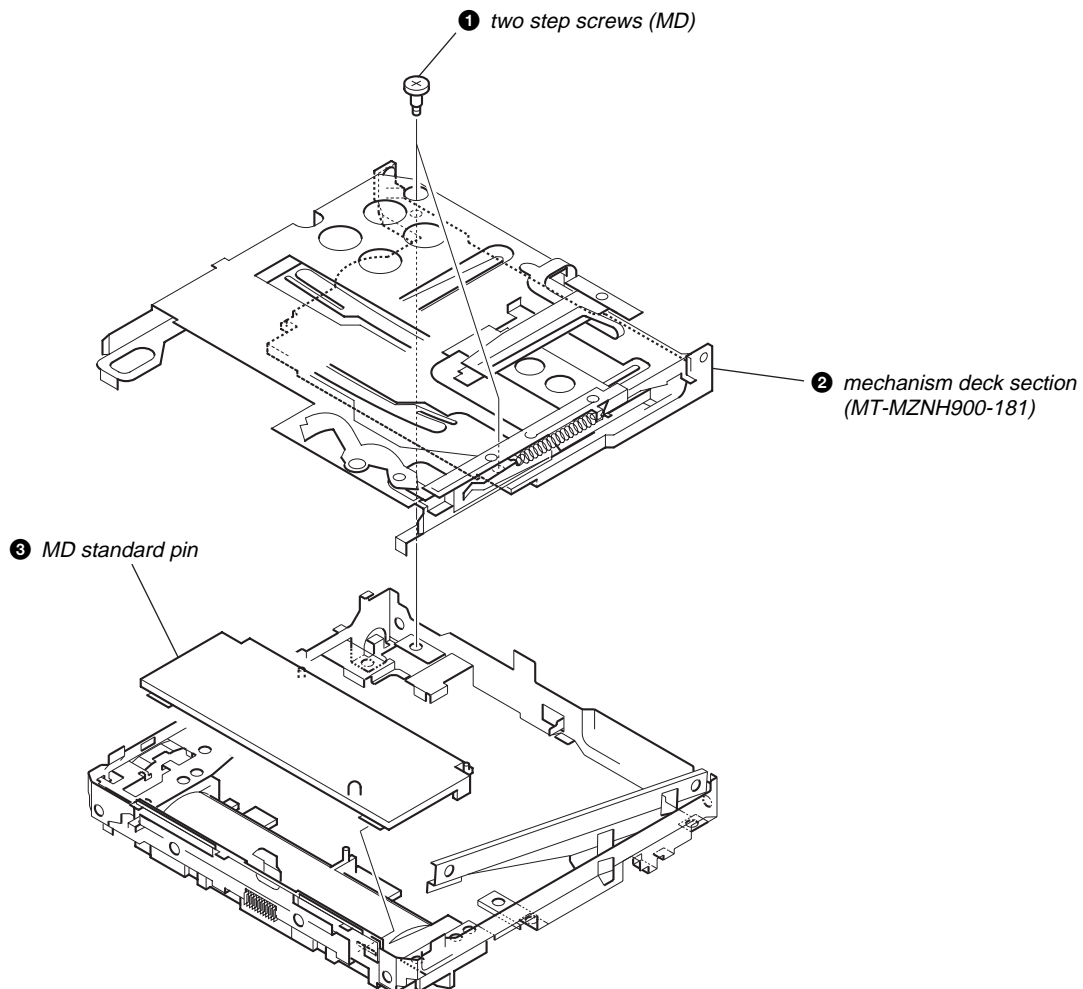
3-3. MAIN BOARD



**3-4. CASE (UPPER) SECTION**

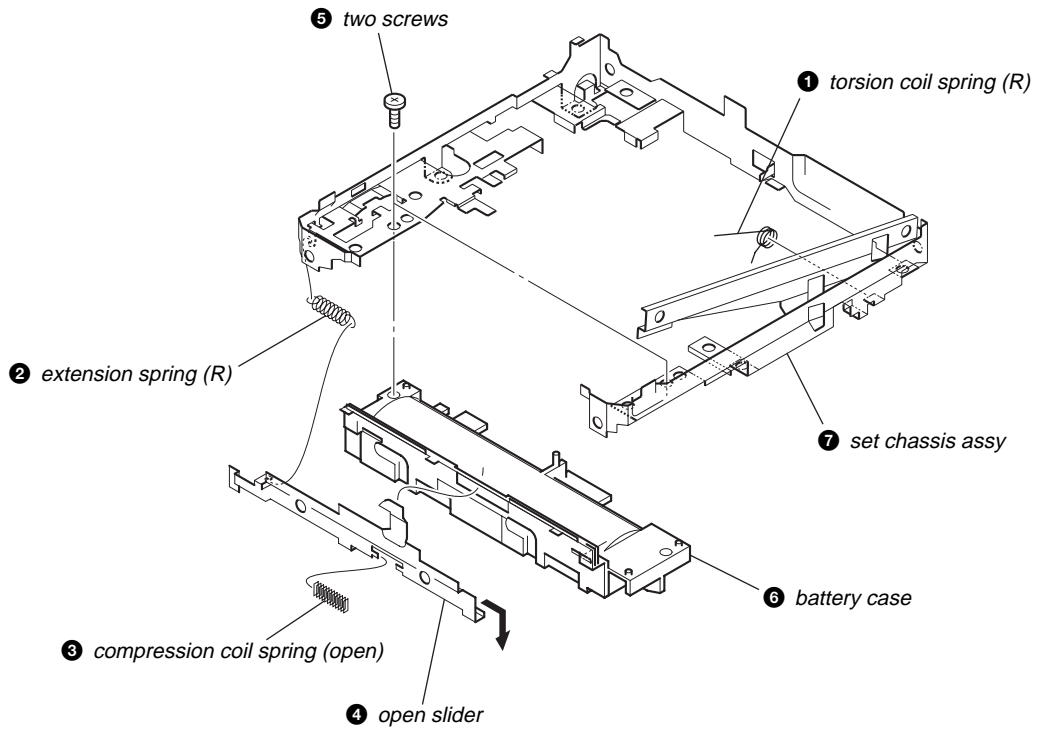


**3-5. MECHANISM DECK SECTION (MT-MZNH900-181), MD STANDARD PIN**

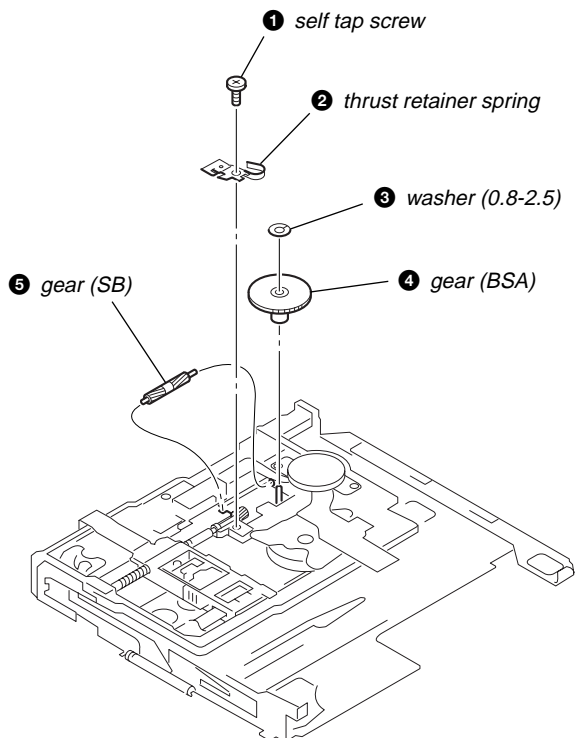




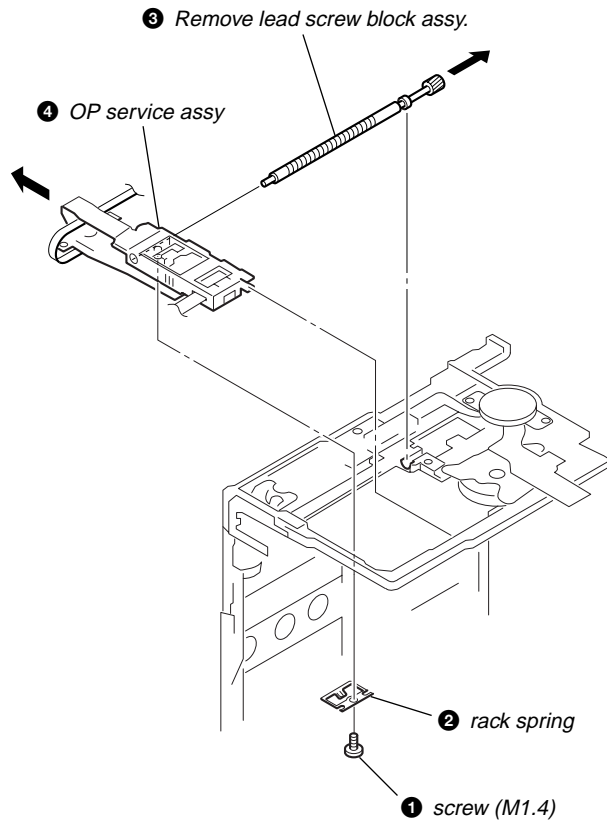
3-6. SET CHASSIS ASSY



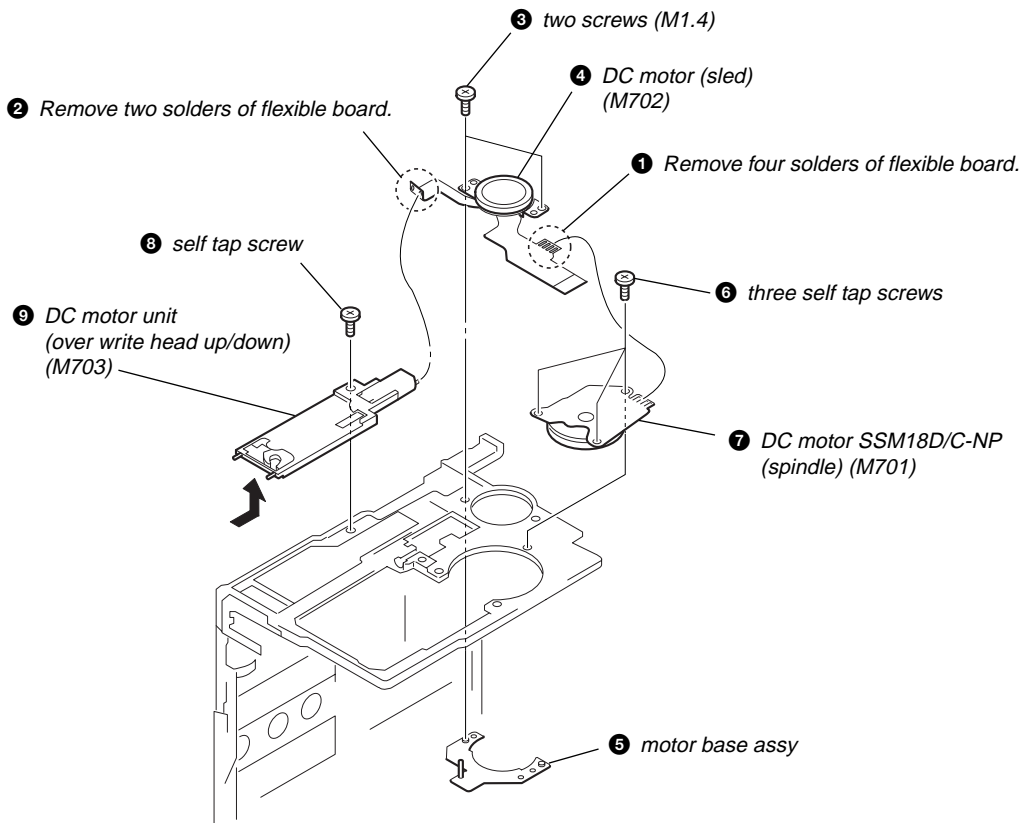
3-7. GEAR (BSA), GEAR (SB)



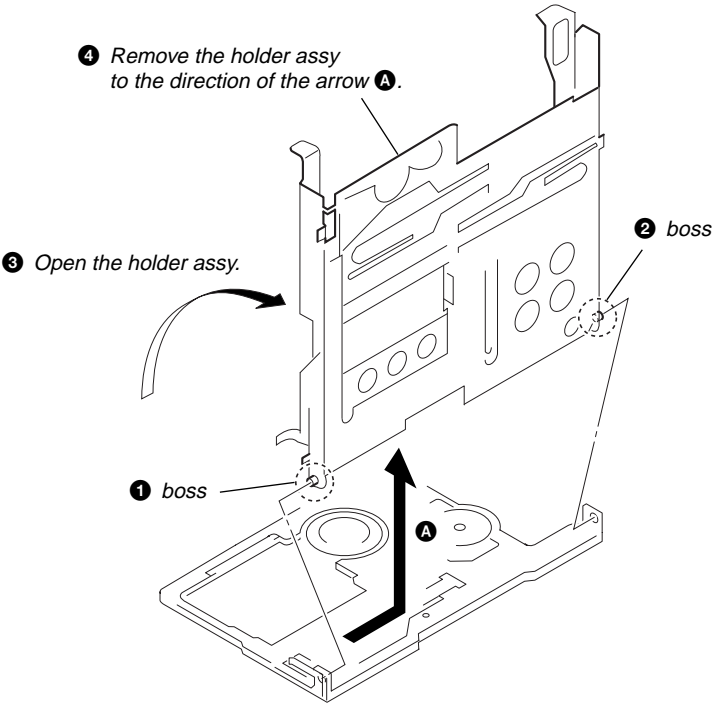
3-8. OP SERVICE ASSY



3-9. DC MOTOR SSM18D/C-NP (SPINDLE) (M701), DC MOTOR (SLED) (M702), DC MOTOR UNIT (OVER WRITE HEAD UP/DOWN) (M703)



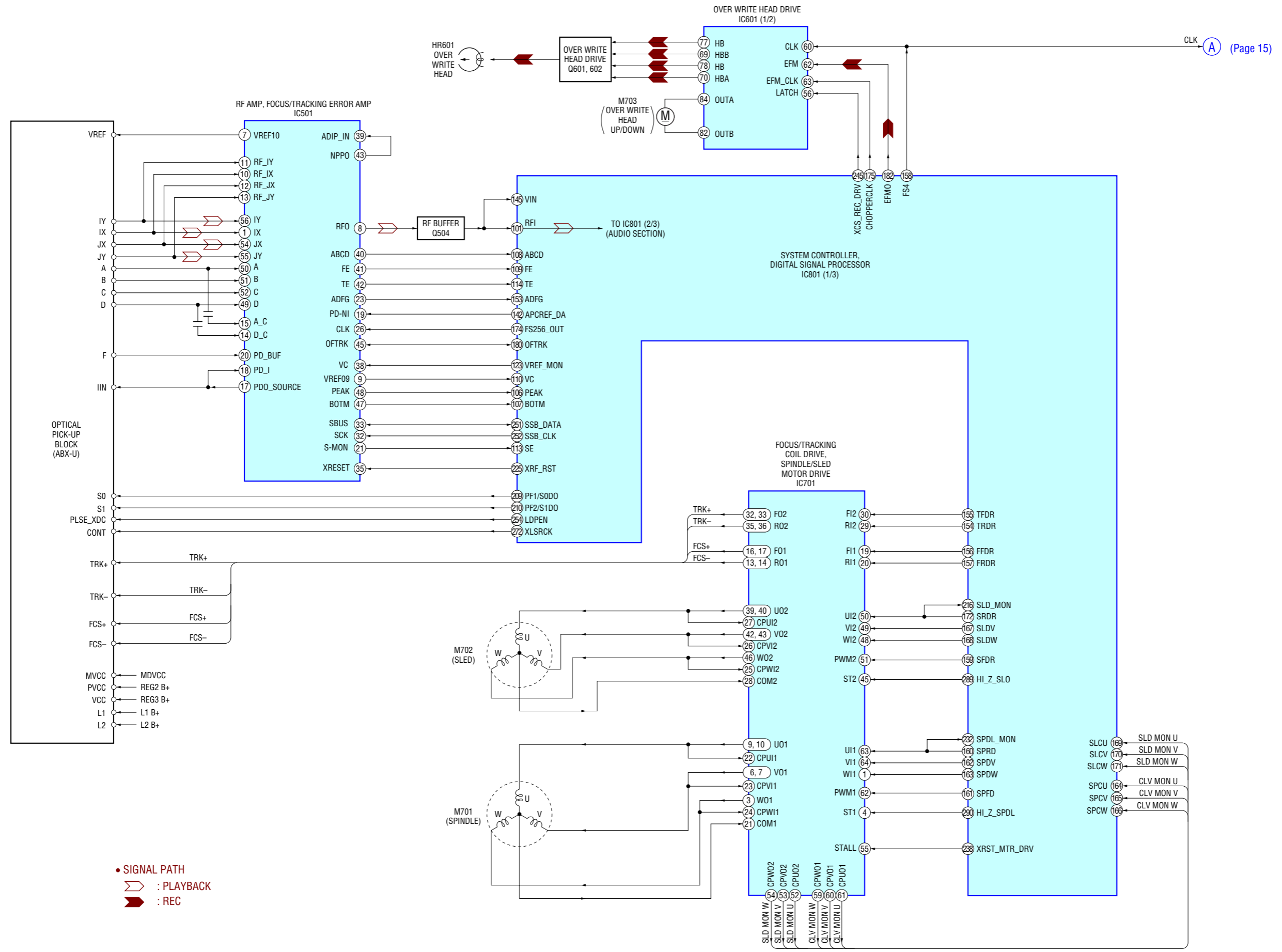
3-10. HOLDER ASSY



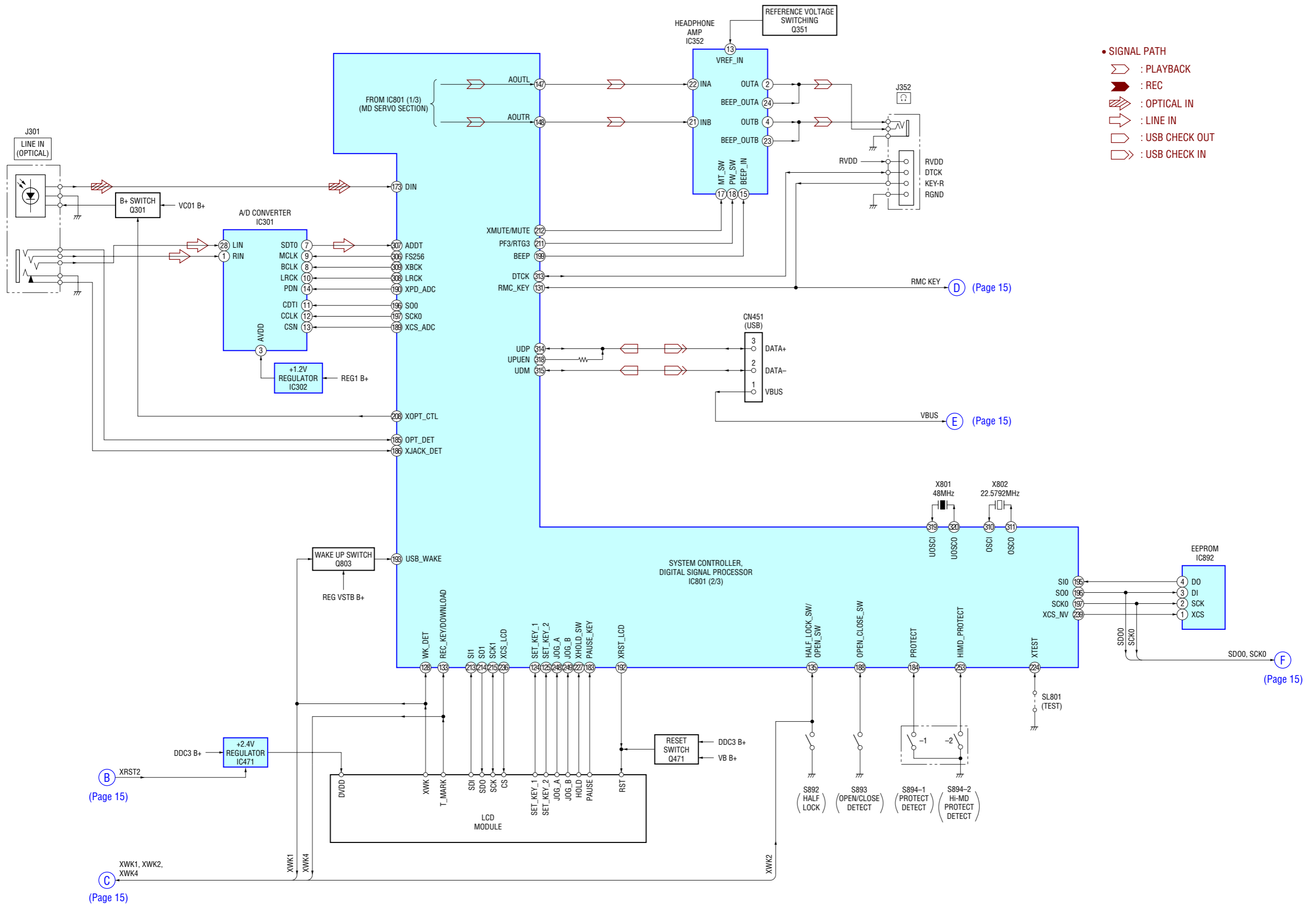
MEMO

## SECTION 4 DIAGRAMS

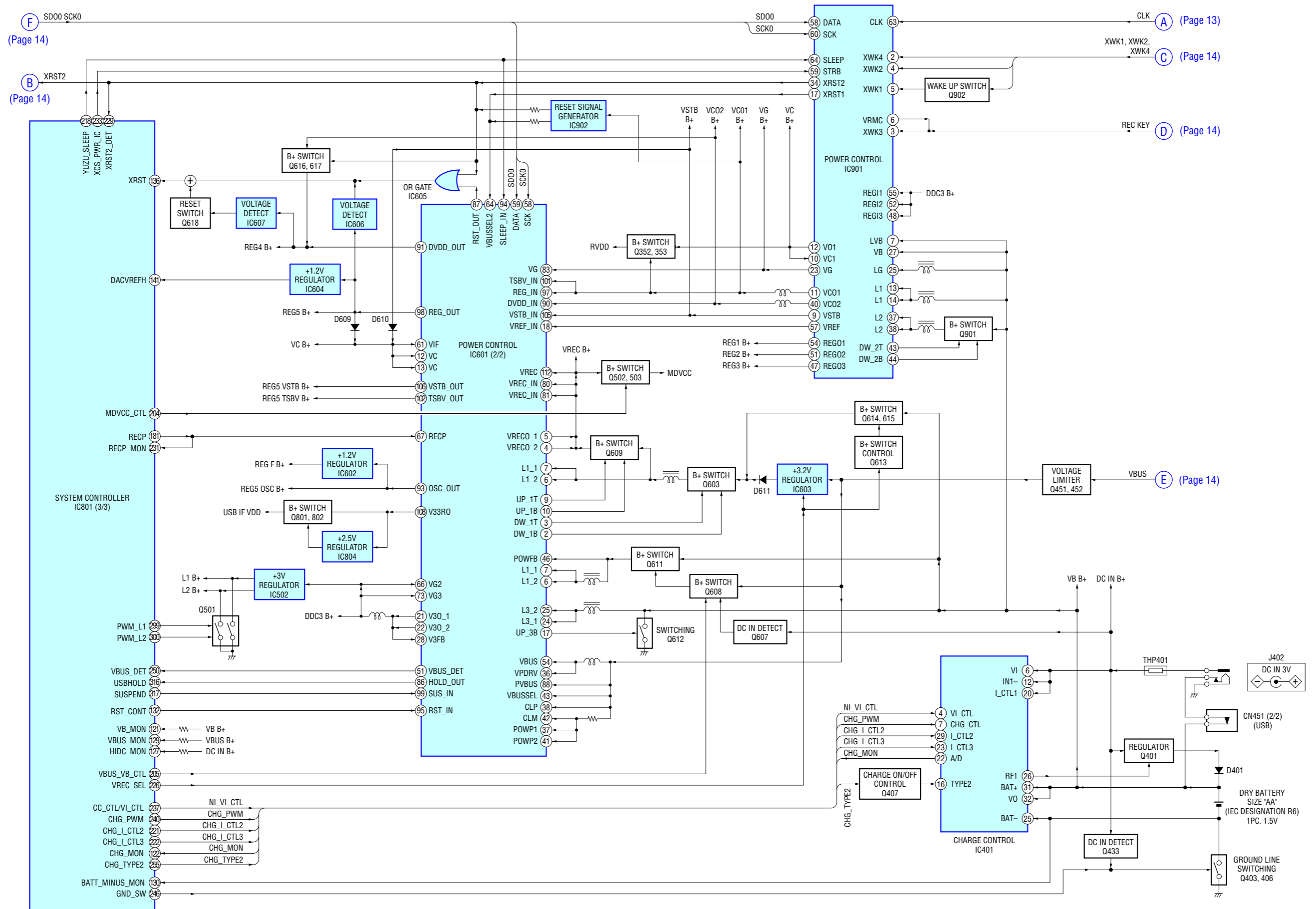
### 4-1. BLOCK DIAGRAM – MD SERVO Section –



4-2. BLOCK DIAGRAM – AUDIO Section –



4-3. BLOCK DIAGRAM – POWER SUPPLY Section –



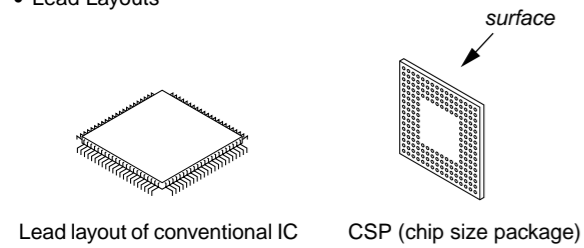
• Note For Printed Wiring Boards and Schematic Diagrams

Note on Printed Wiring Board:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : Pattern from the side which enables seeing. (The other layers' patterns are not indicated.)

Caution:  
 Pattern face side: Parts on the pattern face side seen from (Conductor Side) the pattern face are indicated.  
 Parts face side: Parts on the parts face side seen from (Component Side) the parts face are indicated.

- Main board is multi-layer printed board. However, the patterns of intermediate-layer have not been included in this diagrams.
- Lead Layouts



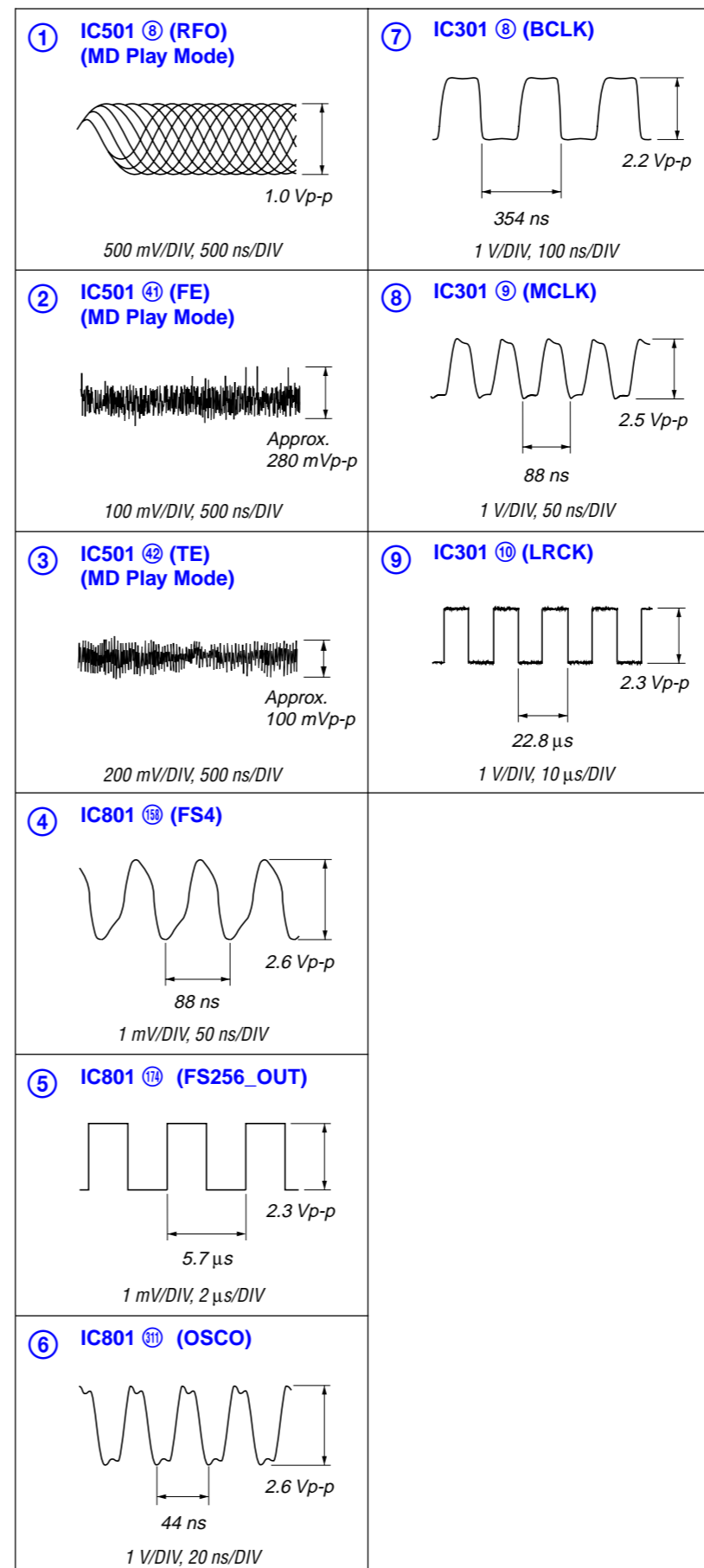
Note on Schematic Diagram:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}W$  or less unless otherwise specified.
- $\Delta$  : internal component.
- : panel designation.

Note: The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

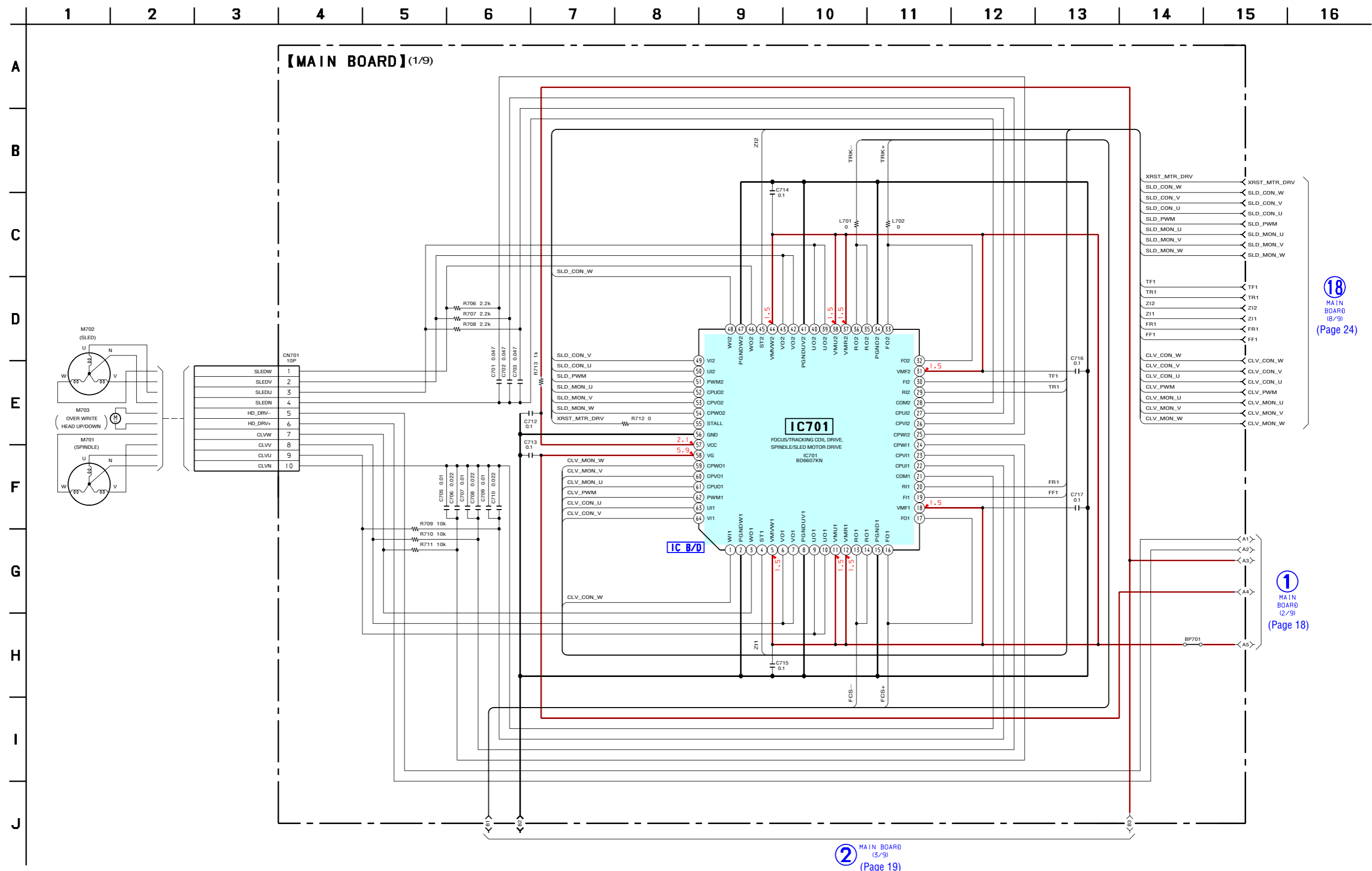
- : B+ Line.
- Total current is measured with MD installed.
- Power voltage is dc 1.5 V and fed with regulated dc power supply from battery terminal.
- Voltages and waveforms are dc with respect to ground in playback mode.
- no mark : PLAYBACK
- \* : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 M $\Omega$ ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
- ▷ : PLAYBACK
- ▶ : REC
- ◀ : OPTICAL IN
- ◁ : LINE IN
- ◻ : USB CHECK OUT
- ◻ : USB CHECK IN
- Abbreviation
- EE : East European model

• Waveforms





4-4. SCHEMATIC DIAGRAM – MAIN Section (1/9) – • See page 28 for IC Block Diagram.

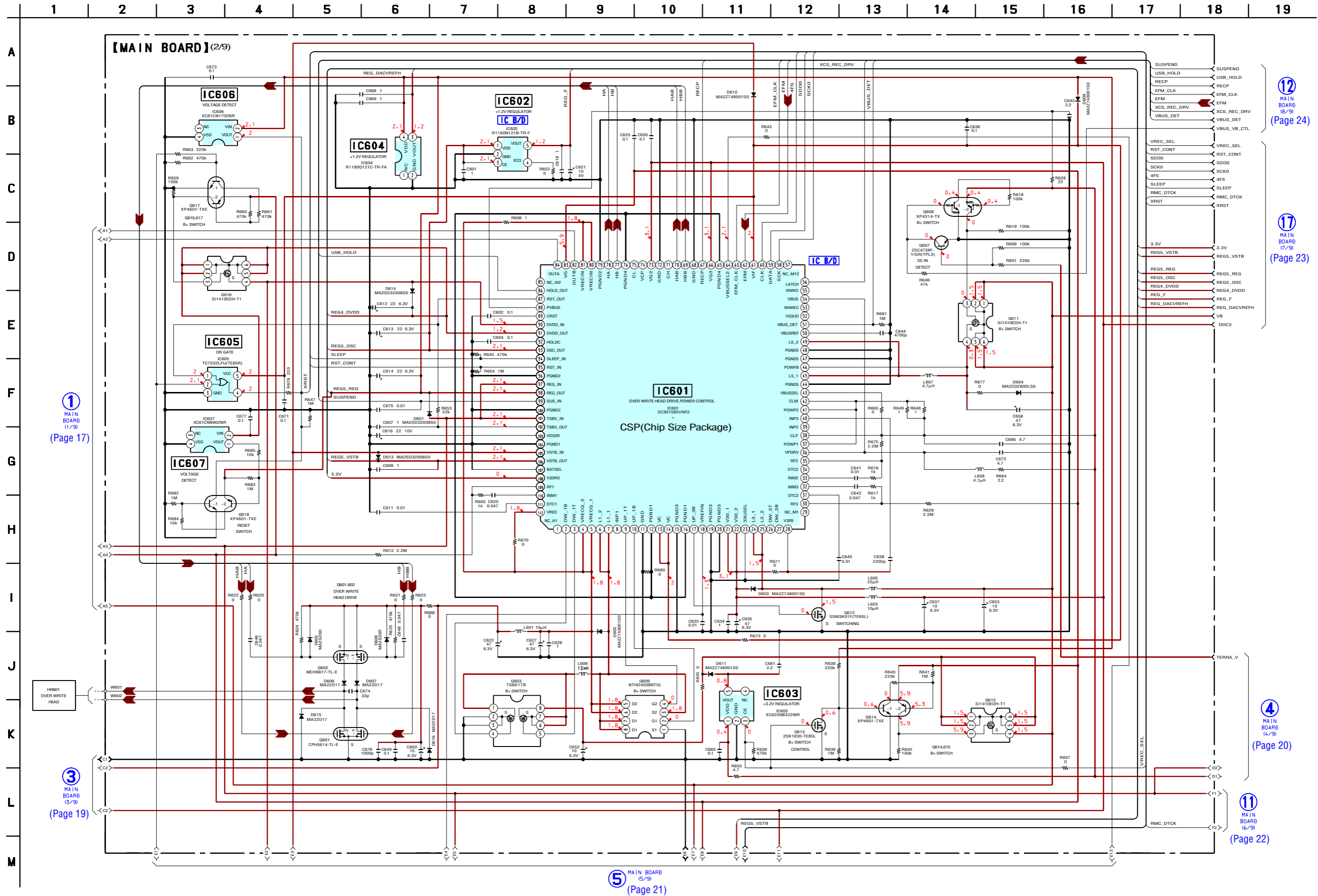


18 MAIN BOARD (8/9) (Page 24)

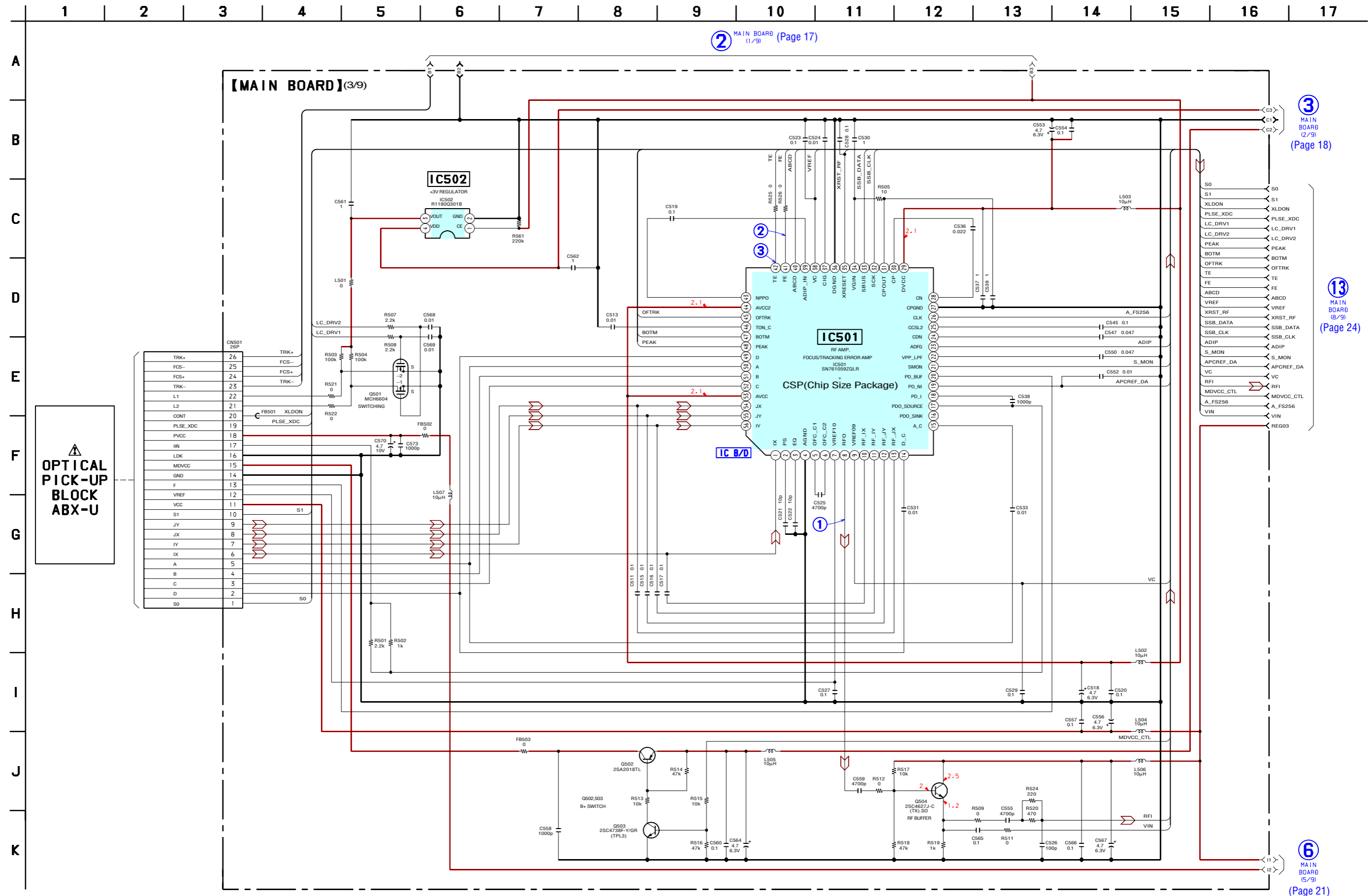
1 MAIN BOARD (2/9) (Page 18)

2 MAIN BOARD (3/9) (Page 19)

4-5. SCHEMATIC DIAGRAM – MAIN Section (2/9) – • See page 28 for IC Block Diagrams.

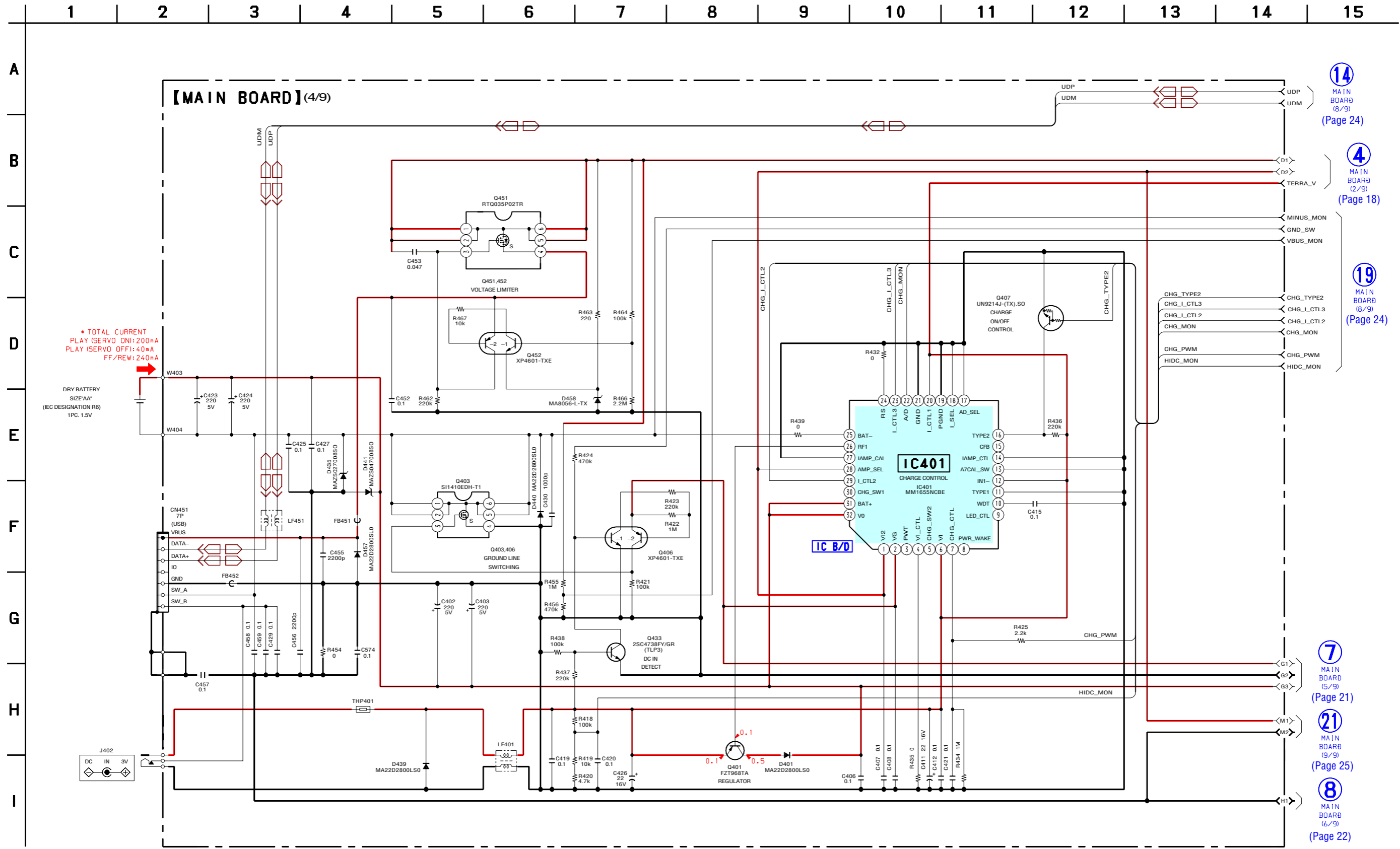


4-6. SCHEMATIC DIAGRAM – MAIN Section (3/9) – • See page 16 for Waveforms. • See page 28 for IC Block Diagram.



The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

4-7. SCHEMATIC DIAGRAM – MAIN Section (4/9) – • See page 28 for IC Block Diagram.



14 MAIN BOARD (8/9) (Page 24)

4 MAIN BOARD (2/9) (Page 18)

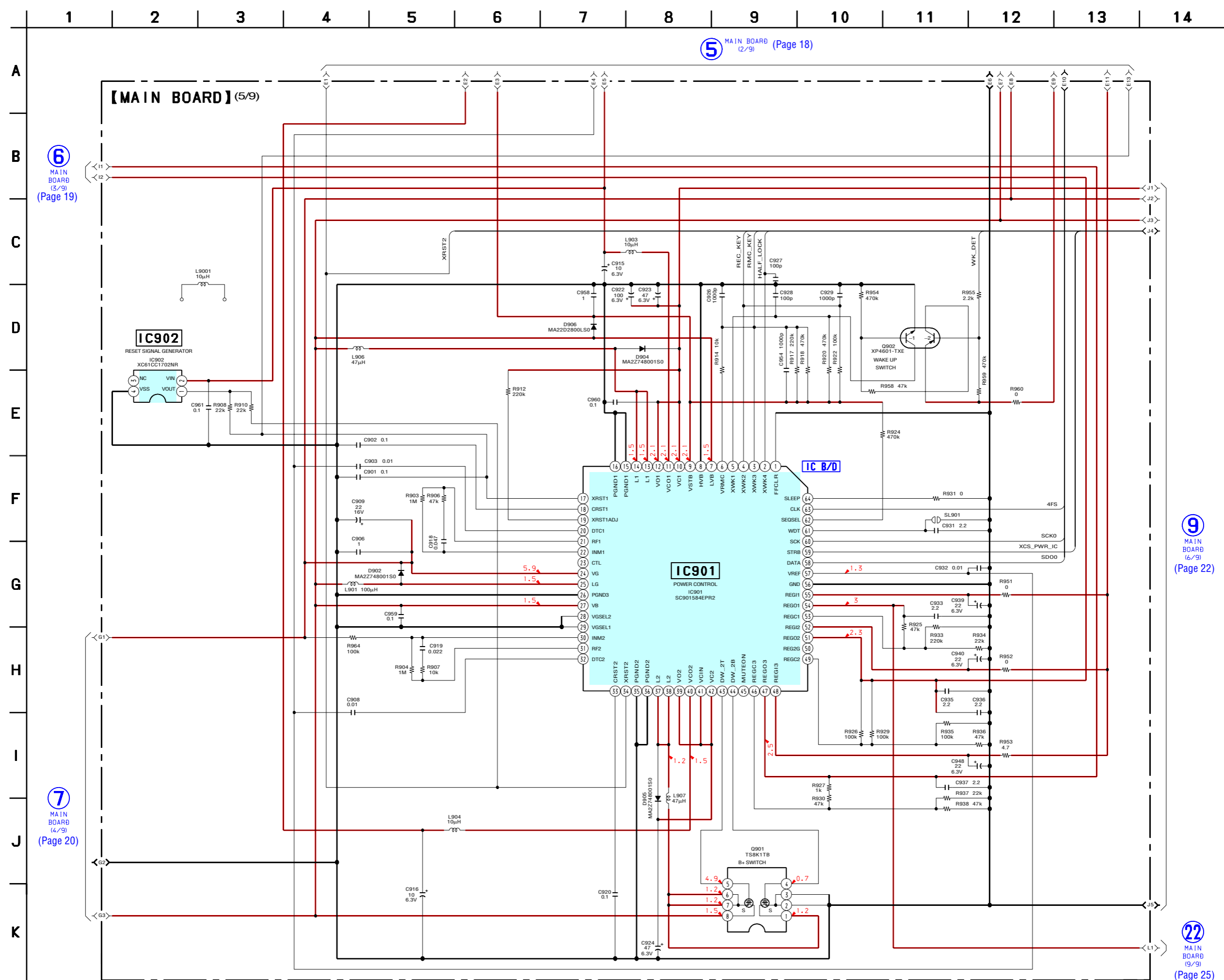
19 MAIN BOARD (8/9) (Page 24)

7 MAIN BOARD (5/9) (Page 21)

21 MAIN BOARD (9/9) (Page 25)

8 MAIN BOARD (6/9) (Page 22)

4-8. SCHEMATIC DIAGRAM – MAIN Section (5/9) – • See page 28 for IC Block Diagram.



5 MAIN BOARD (2/9) (Page 18)

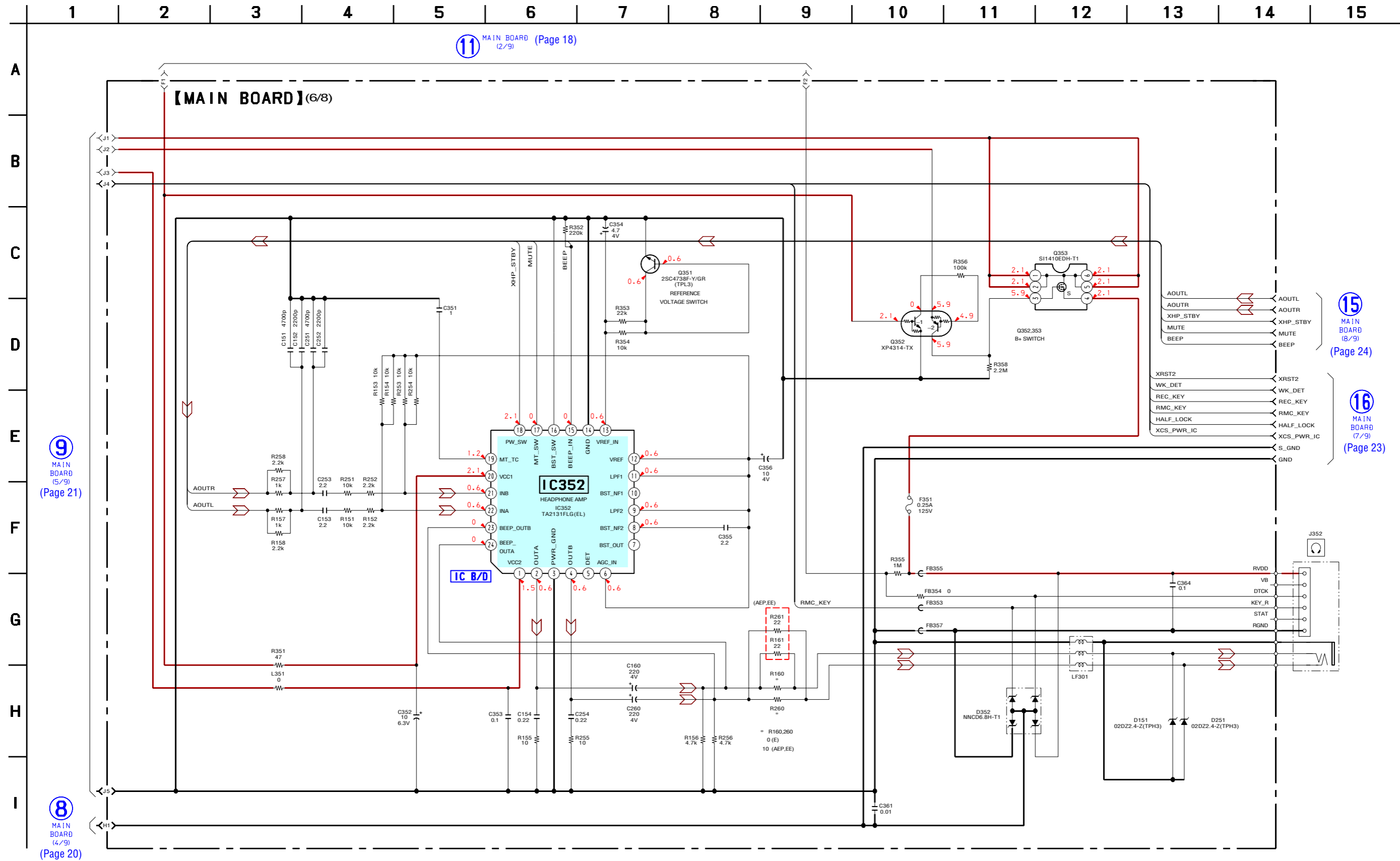
6 MAIN BOARD (3/9) (Page 19)

7 MAIN BOARD (4/9) (Page 20)

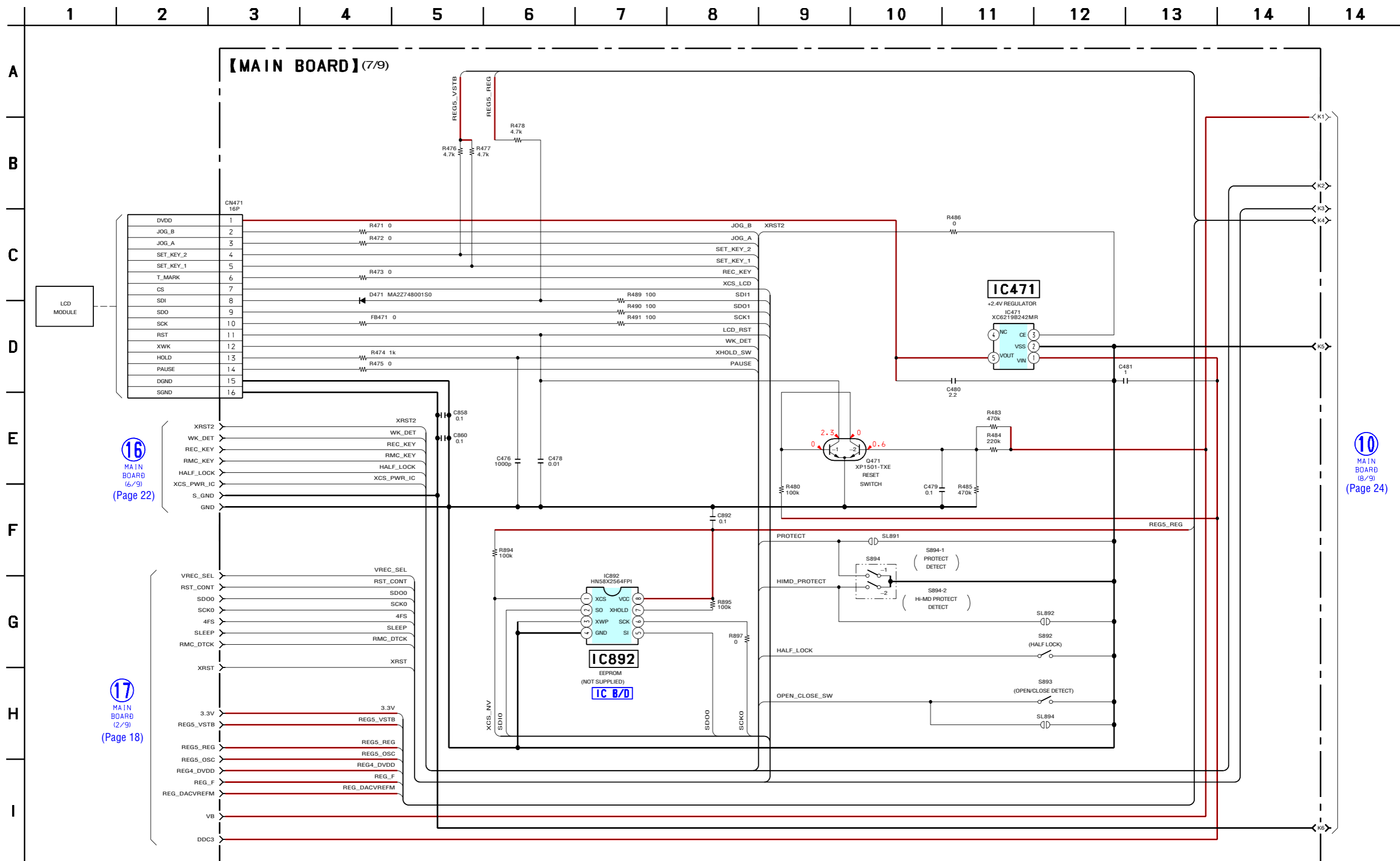
9 MAIN BOARD (6/9) (Page 22)

22 MAIN BOARD (9/9) (Page 25)

4-9. SCHEMATIC DIAGRAM – MAIN Section (6/9) – • See page 28 for IC Block Diagram.



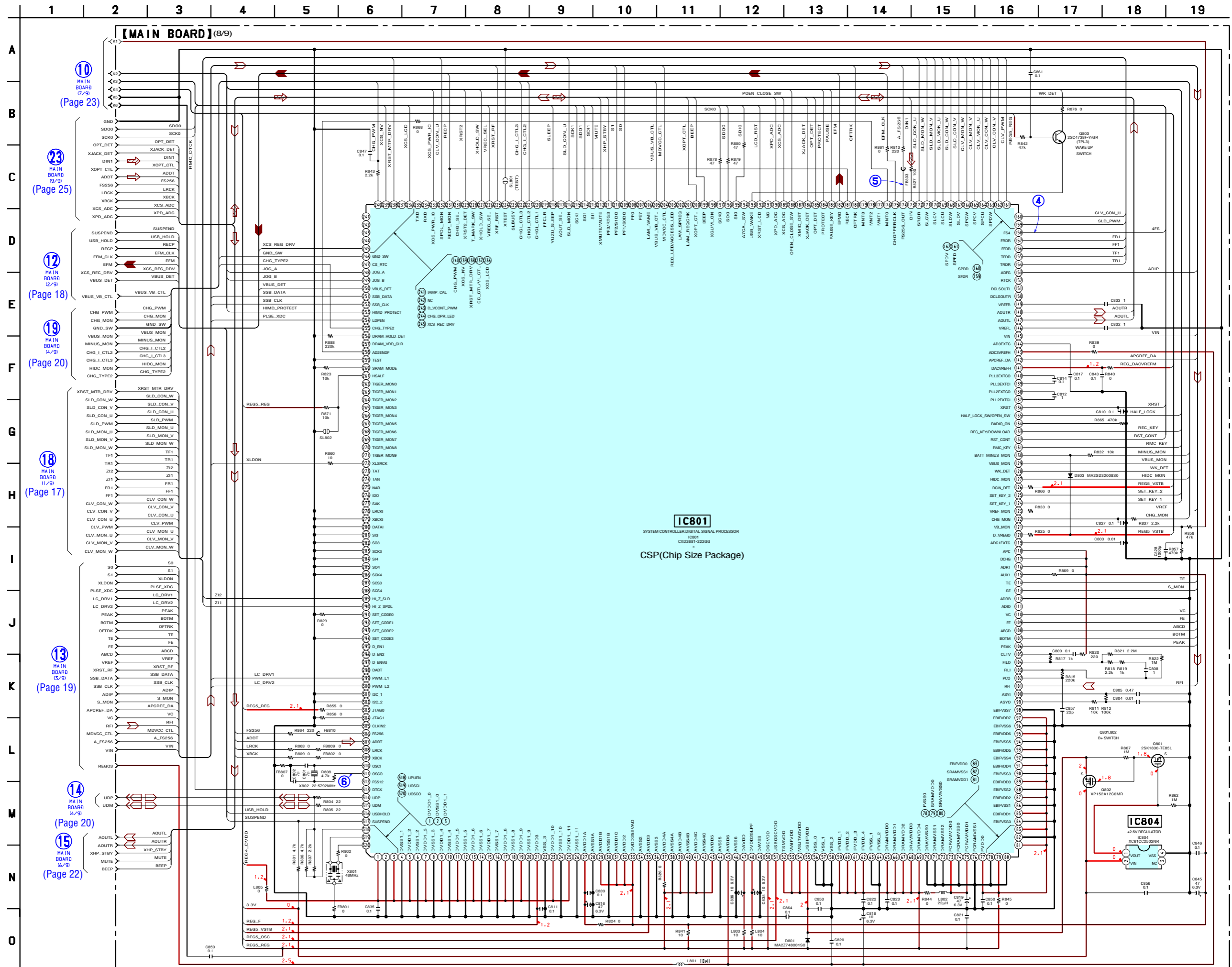
4-10. SCHEMATIC DIAGRAM – MAIN Section (7/9) – • See page 28 for IC Block Diagram.



16  
MAIN BOARD (6/9)  
(Page 22)

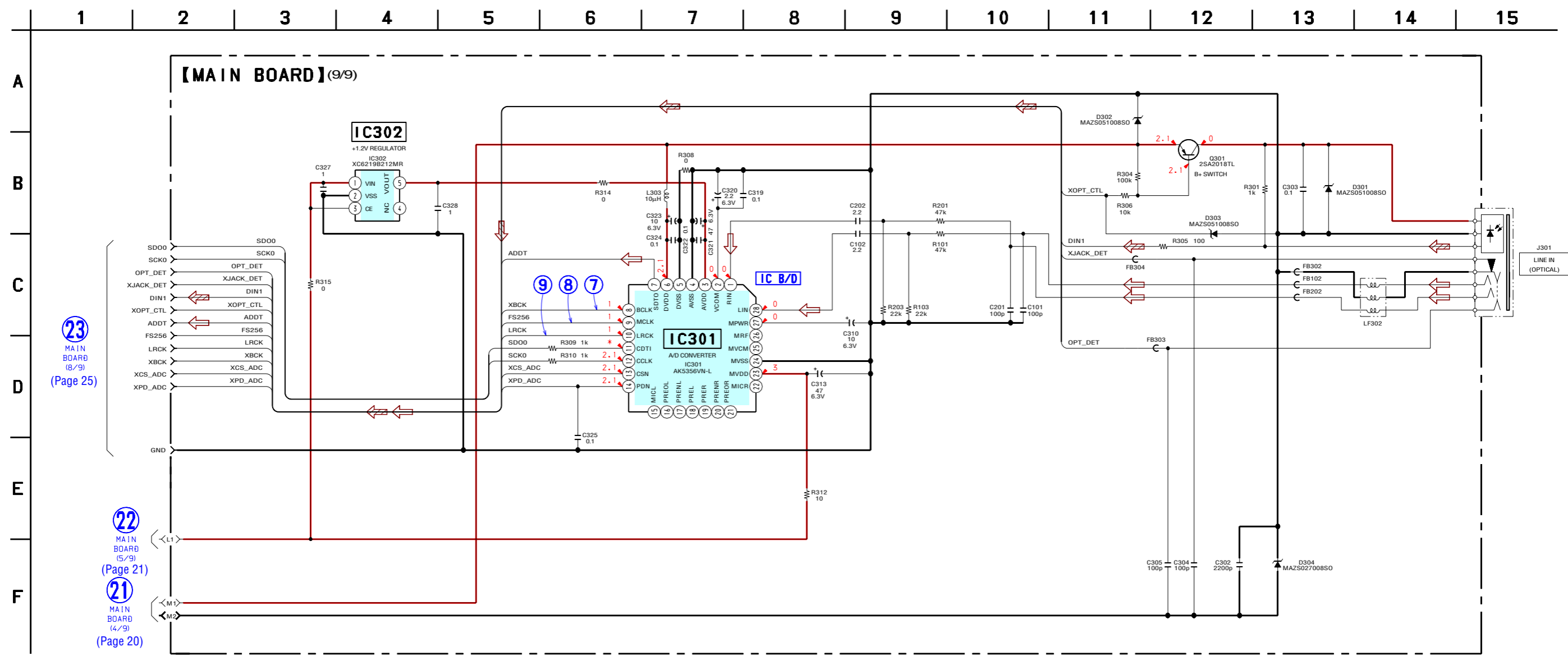
17  
MAIN BOARD (2/9)  
(Page 18)

10  
MAIN BOARD (8/9)  
(Page 24)





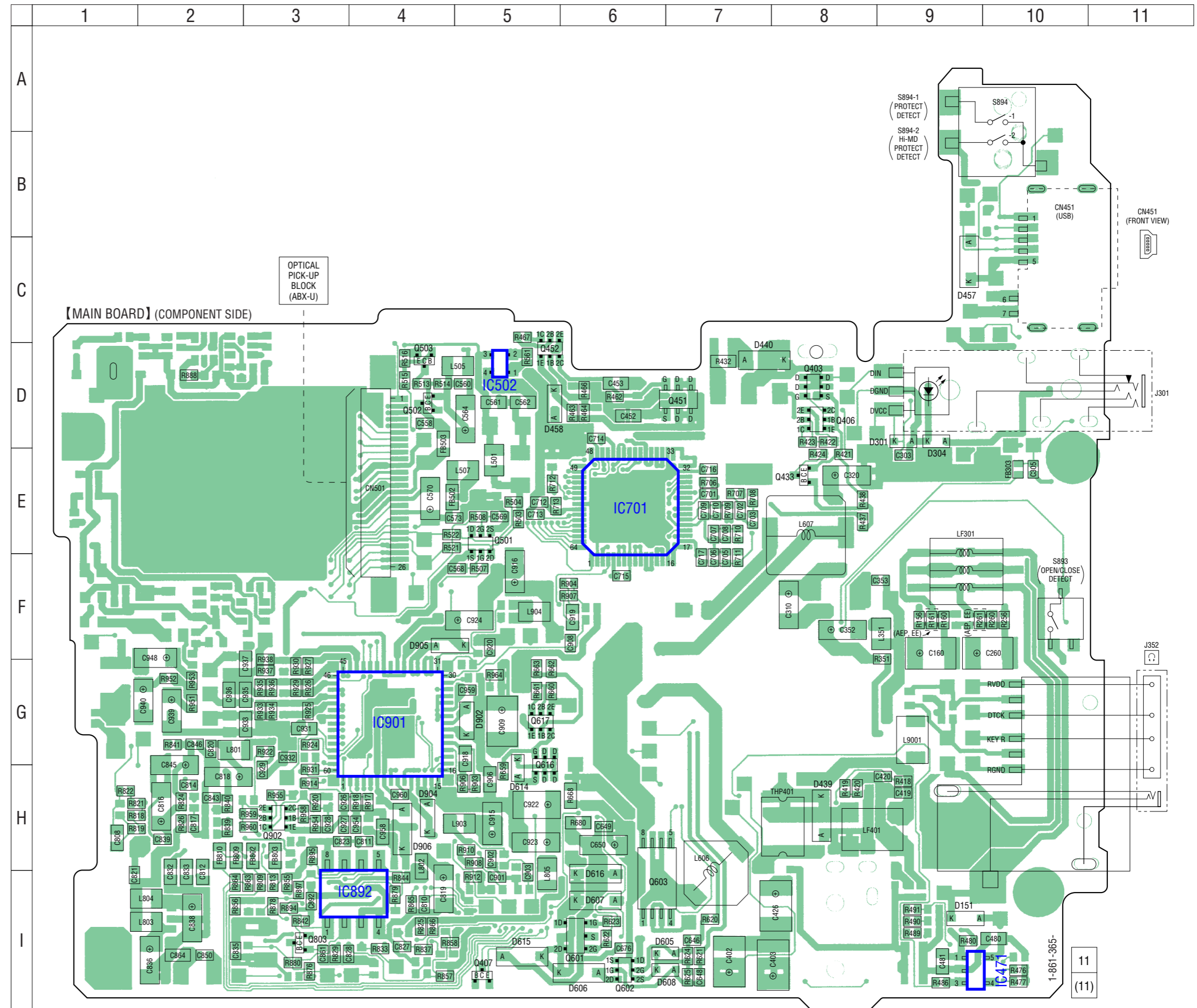
4-12. SCHEMATIC DIAGRAM – MAIN Section (9/9) – • See page 16 for Waveforms. • See page 28 for IC Block Diagram.



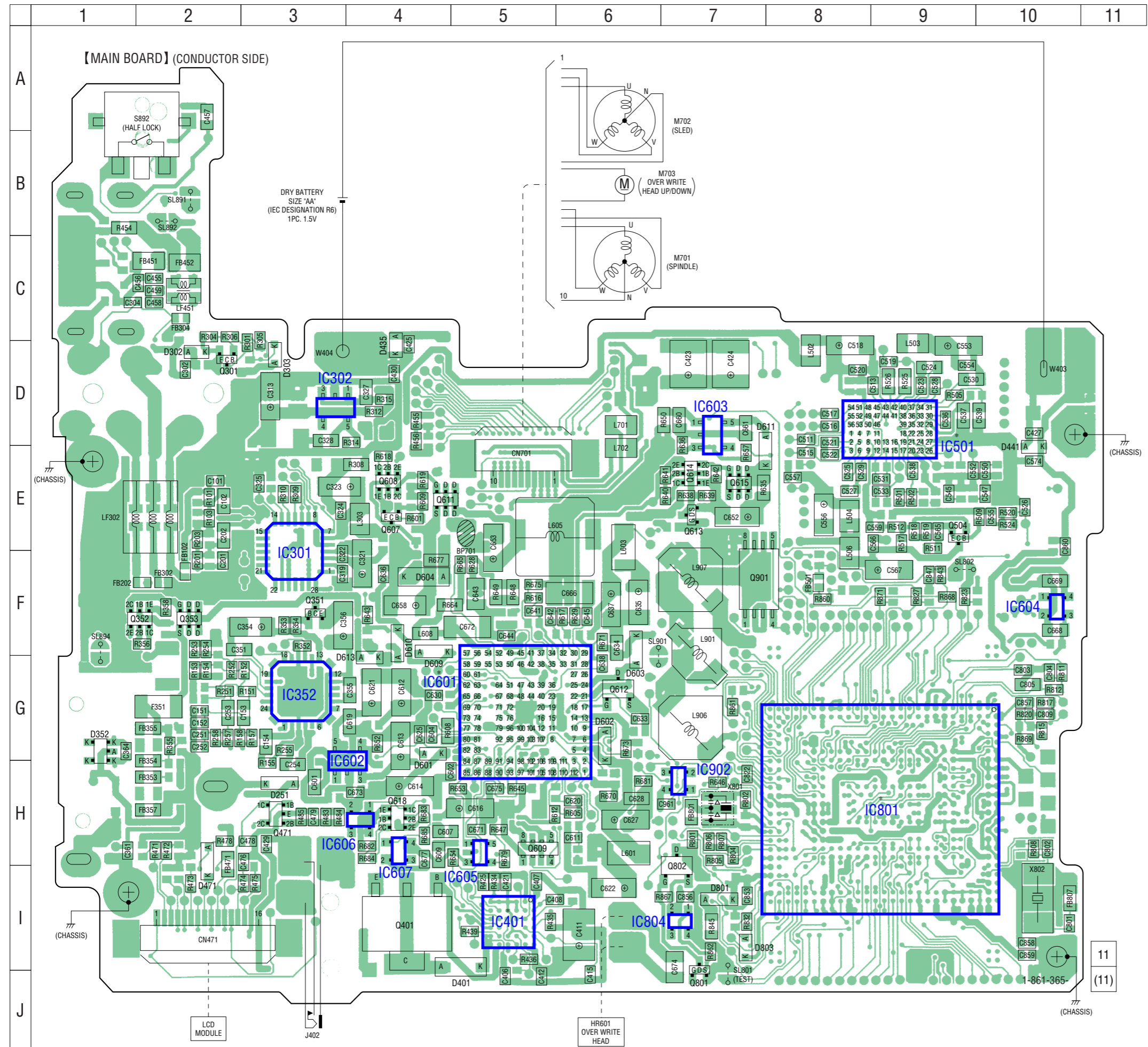
4-13. PRINTED WIRING BOARD – MAIN Section (1/2) –  : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D151	I-9
D301	D-9
D304	D-9
D439	H-8
D440	D-7
D457	C-9
D458	D-5
D605	I-6
D606	I-6
D607	I-6
D608	I-6
D614	H-5
D615	I-5
D616	I-6
D902	G-5
D904	H-4
D905	F-4
D906	H-4
IC471	I-9
IC502	D-5
IC701	E-6
IC892	I-4
IC901	G-4
Q403	D-8
Q406	D-8
Q407	I-5
Q433	E-8
Q451	D-7
Q452	D-5
Q501	E-5
Q502	D-4
Q503	D-4
Q601	I-6
Q602	I-6
Q603	I-6
Q616	G-5
Q617	G-5
Q803	I-3
Q902	H-3



4-14. PRINTED WIRING BOARD – MAIN Section (2/2) –  : Uses unleaded solder.



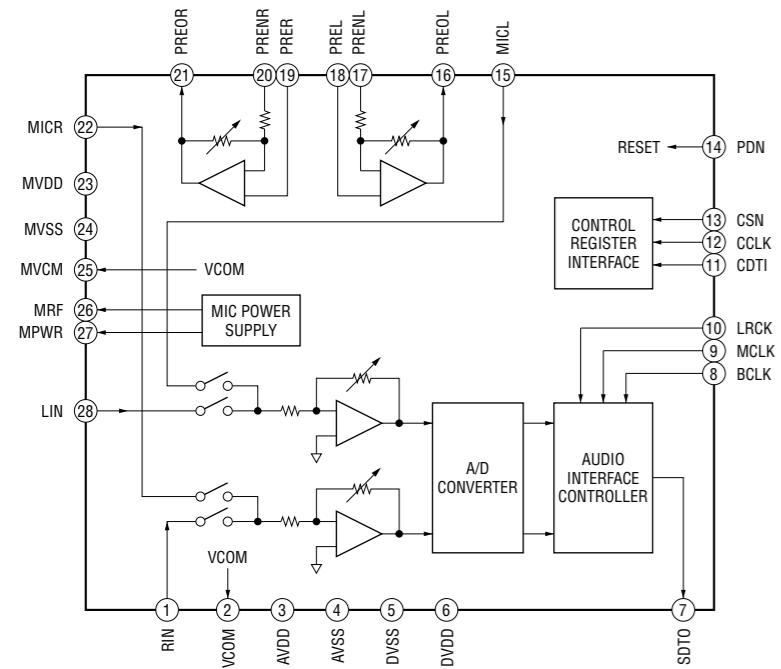
• Semiconductor Location

Ref. No.	Location
D251	H-3
D352	G-1
D401	I-5
D471	H-2
D601	G-4
D602	G-6
D603	F-6
D604	F-4
D609	F-4
D610	F-4
D611	E-7
D613	G-4
D801	I-7
D803	I-7
IC301	F-3
IC302	D-3
IC352	G-3
IC401	I-5
IC501	D-9
IC601	G-5
IC602	H-4
IC603	D-7
IC604	F-10
IC605	H-5
IC606	H-4
IC607	H-4
IC801	H-9
IC804	I-7
IC902	H-7
Q301	D-2
Q351	F-3
Q352	F-2
Q353	F-2
Q401	I-4
Q471	H-3
Q504	E-9
Q607	E-4
Q608	E-4
Q609	H-5
Q611	E-4
Q612	G-6
Q613	E-7
Q614	E-7
Q615	E-7
Q618	H-4
Q801	I-7
Q802	H-7
Q901	F-7

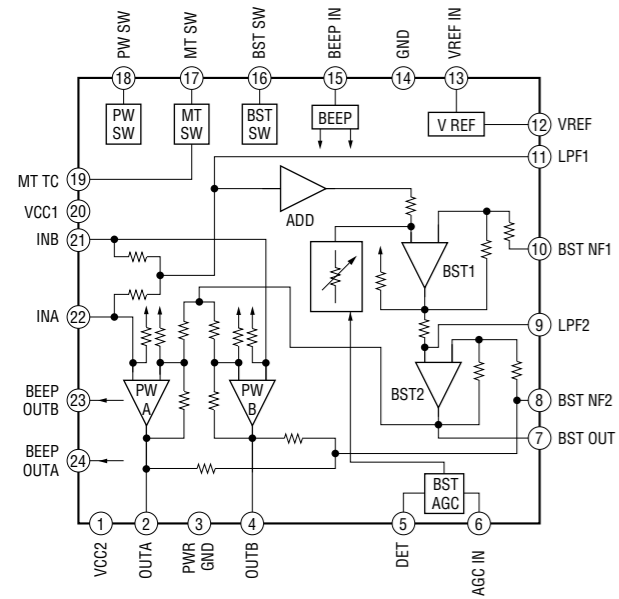
# MZ-NH600

## • IC Block Diagrams

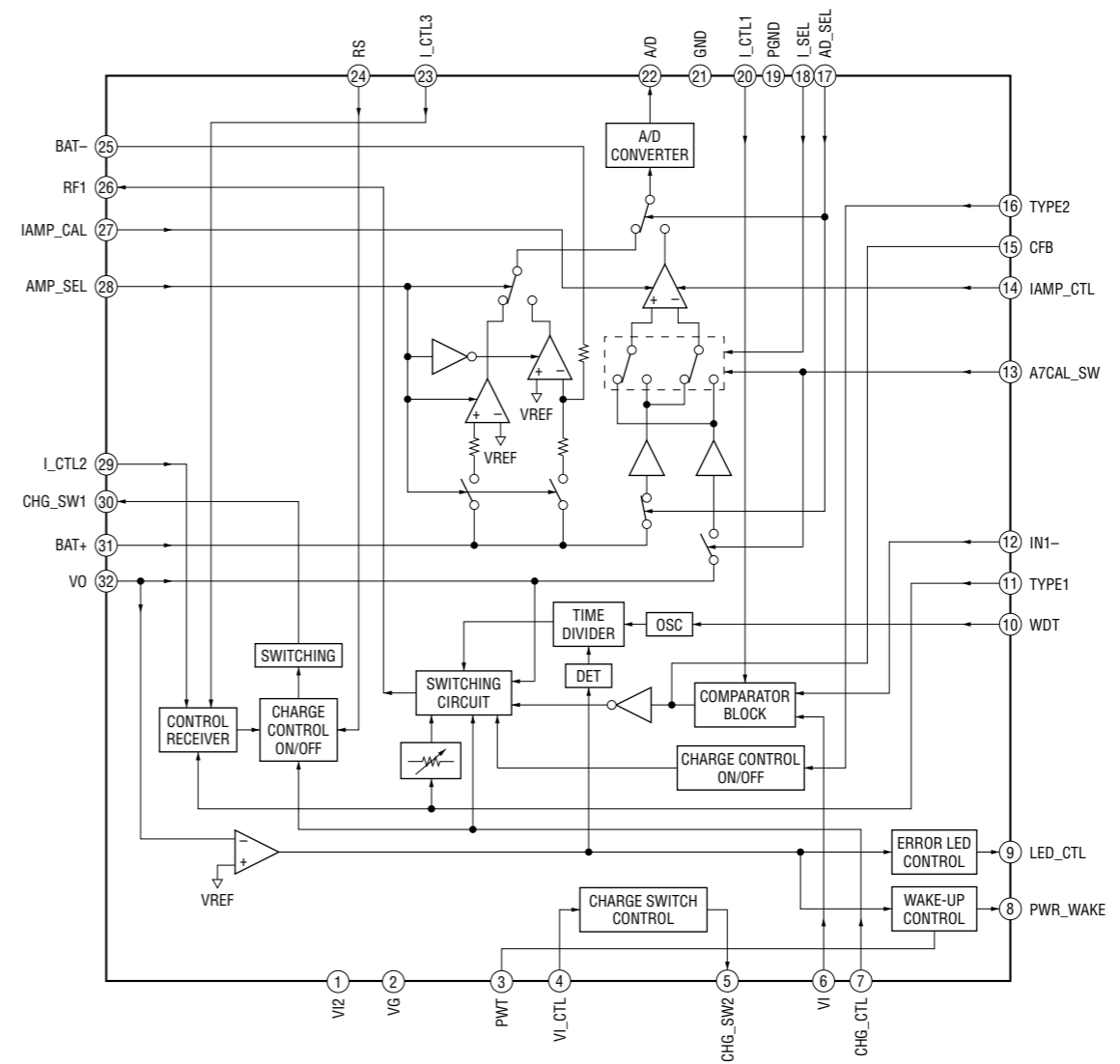
### IC301 AK5356VN-L



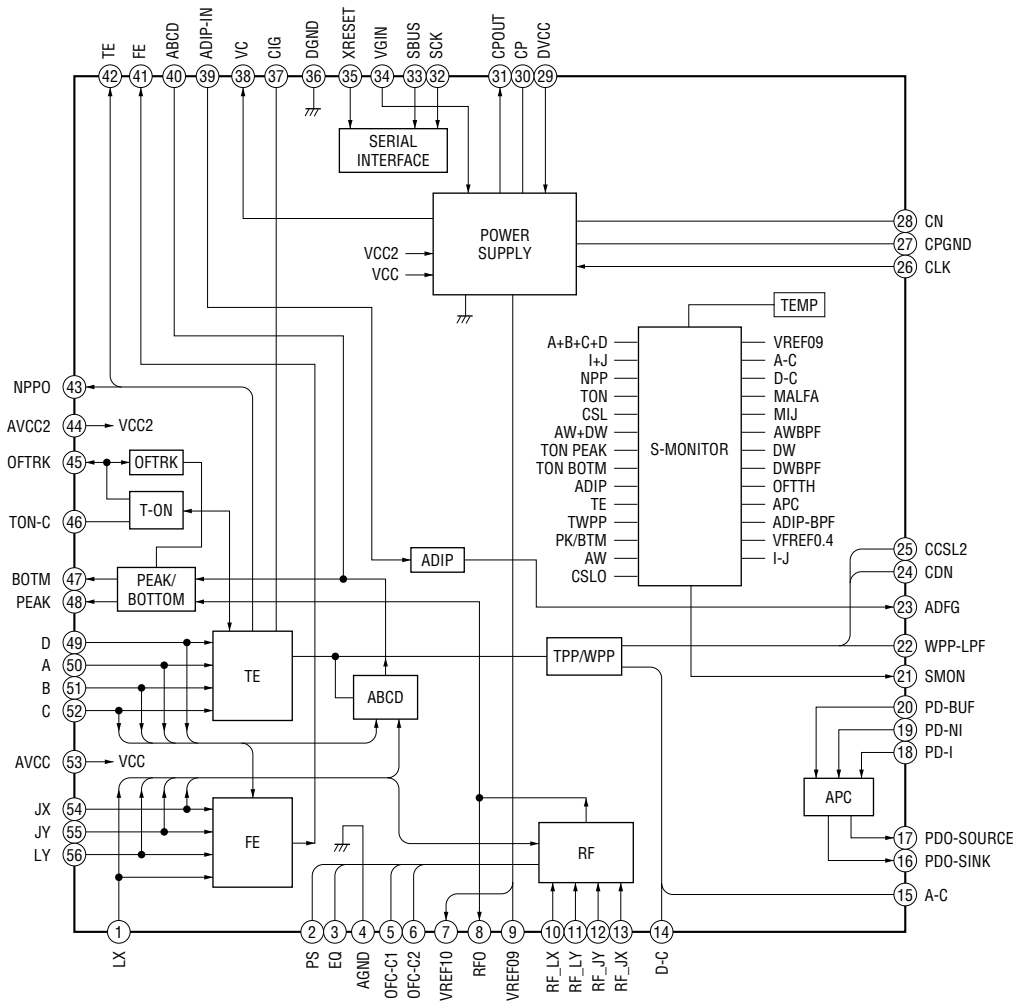
### C352 TA2131FLG (EL)



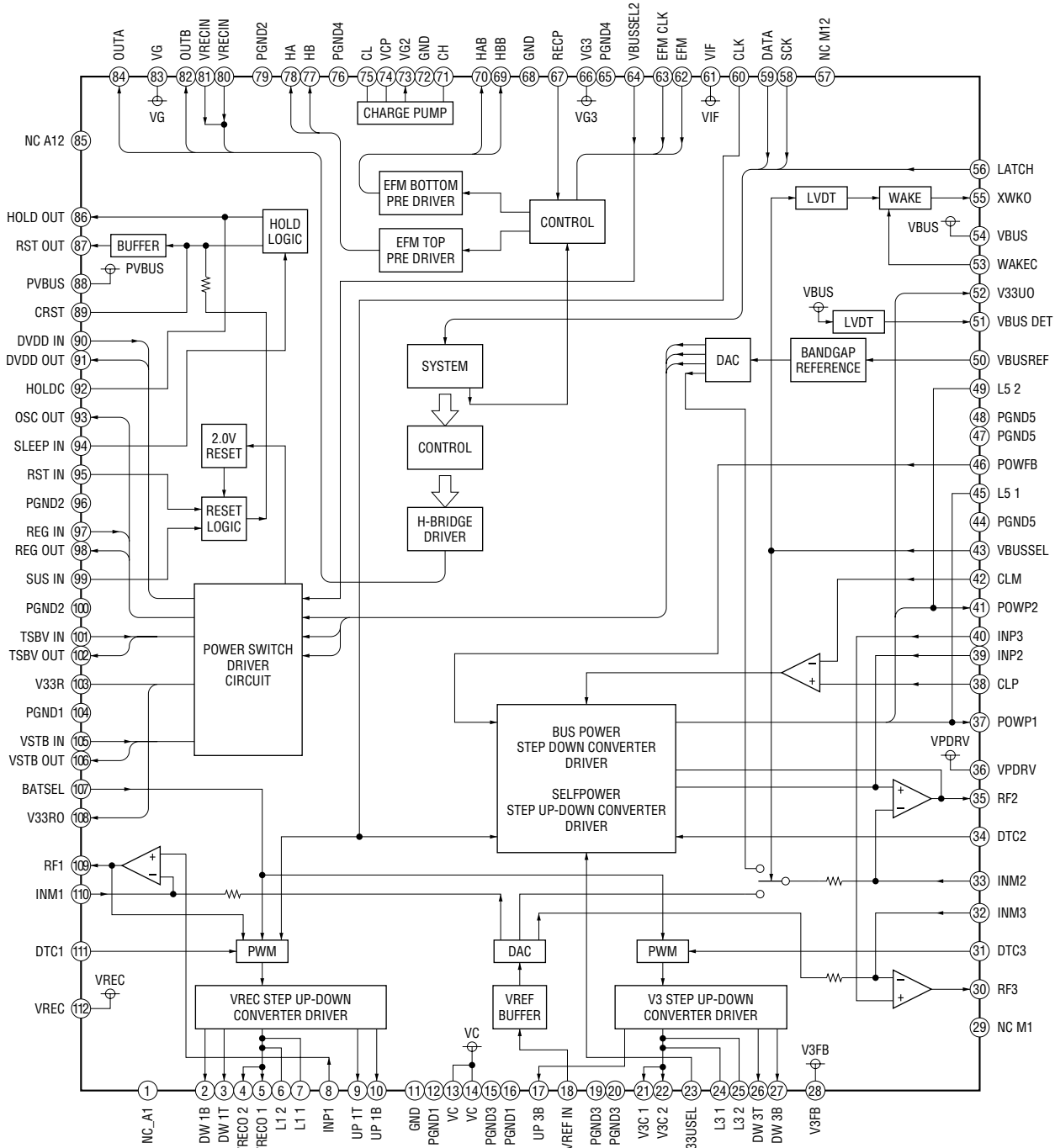
### IC401 MM1655NCBE



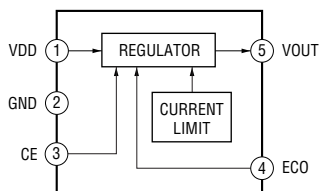
IC501 SN761059ZQLR



IC601 SC901585VAR2

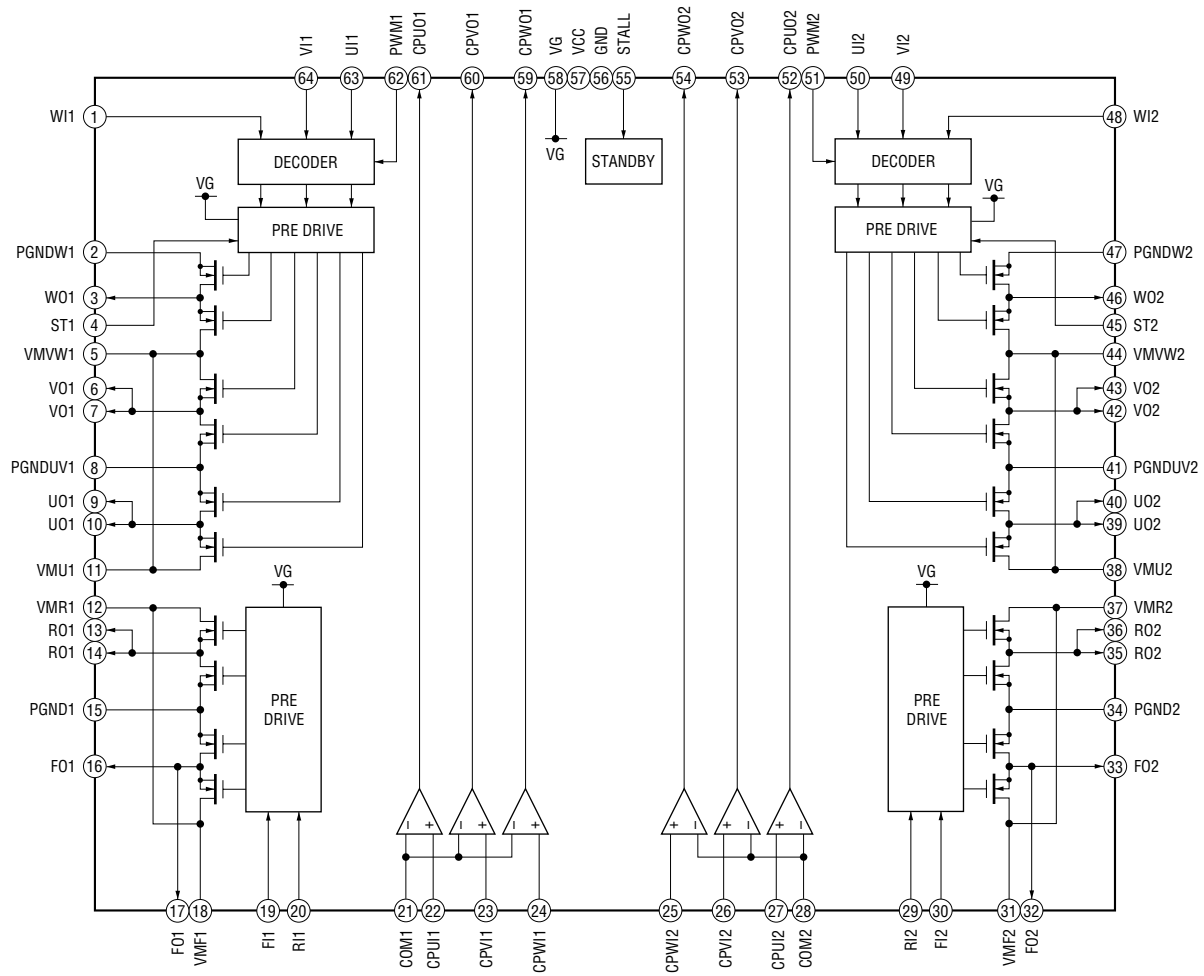


IC602 R1160N121B-TR-FA

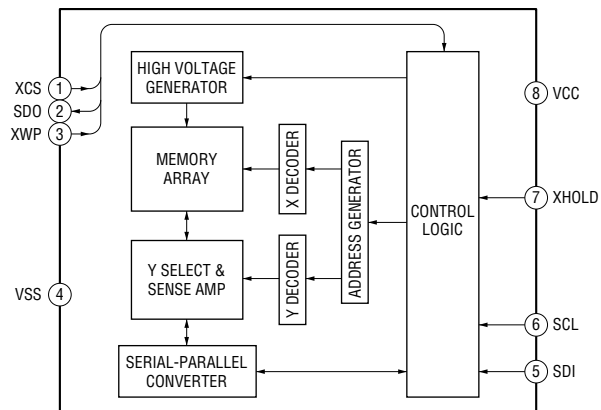


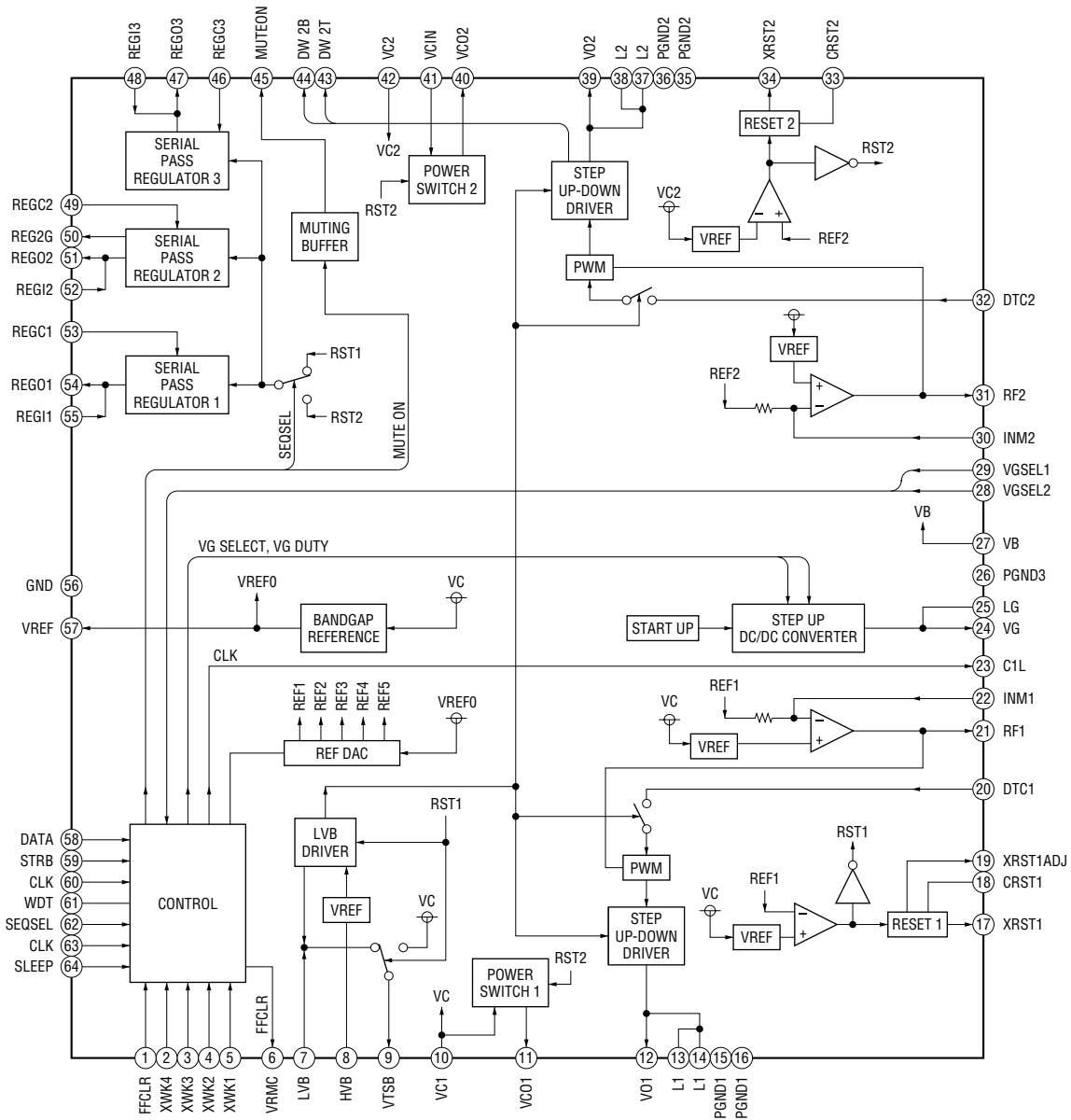


IC701 BD6607KN



IC892 HN58X2564FPIEZ







- IC Pin Function Description

**IC801 CXD2681-222GG (SYSTEM CONTROLLER, DIGITAL SIGNAL PROCESSOR)**

Pin No.	Pin Name	I/O	Description
1	DVDD1_0	—	Power supply terminal
2	DVSS1_0	—	Ground terminal
3	DVDD1_1	—	Power supply terminal
4	DVSS1_1	—	Ground terminal
5	DVDD1_2	—	Power supply terminal
6	DVSS1_2	—	Ground terminal
7	DVDD1_3	—	Power supply terminal
8	DVSS1_3	—	Ground terminal
9	DVDD1_4	—	Power supply terminal
10	DVSS1_4	—	Ground terminal
11	DVDD1_5	—	Power supply terminal
12	DVSS1_5	—	Ground terminal
13	DVDD1_6	—	Power supply terminal
14	DVSS1_6	—	Ground terminal
15	DVDD1_7	—	Power supply terminal
16	DVSS1_7	—	Ground terminal
17	DVDD1_8	—	Power supply terminal
18	DVSS1_8	—	Ground terminal
19	DVDD1_9	—	Power supply terminal
20	DVSS1_9	—	Ground terminal
21	DVDD3	—	Power supply terminal
22	VSS_3	—	Ground terminal
23	DVDD1_10	—	Power supply terminal
24	DVSS1_10	—	Ground terminal
25	DVDD1_11	—	Power supply terminal
26	DVSS1_11	—	Ground terminal
27	AVDD1A	—	Power supply terminal (for PLL)
28	AVSS1A	—	Ground terminal (for PLL)
29	AVDD1B	—	Power supply terminal
30	AVSS1B	—	Ground terminal
31	AVDD1C	—	Power supply terminal
32	AVDD2	—	Power supply terminal (for A/D converter)
33	DVDD25SVADC	—	Power supply terminal (for A/D converter)
34	AVSS2	—	Ground terminal (for A/D converter)
35	AVDD3	—	Power supply terminal (for A/D converter)
36	AVSS3	—	Ground terminal (for A/D converter)
37	AVDD4A	—	Power supply terminal (for PLL)
38	AVSS4A	—	Ground terminal (for PLL)
39	AVDD4B	—	Power supply terminal (for PLL)
40	AVSS4B	—	Ground terminal (for PLL)
41	AVDD4C	—	Power supply terminal (for D/A converter)
42	AVSS4C	—	Ground terminal (for D/A converter)
43	AVDD5	—	Power supply terminal (for PLL)
44	AVSS5	—	Ground terminal (for PLL)
45	AVDD6	—	Power supply terminal (for A/D converter)
46	AVSS6	—	Ground terminal (for A/D converter)

Pin No.	Pin Name	I/O	Description
47	DAVDD	—	Power supply terminal (for D/A converter)
48	DVDD25LPF	—	Power supply terminal (for D/A converter)
49	DAVSS	—	Ground terminal (for D/A converter)
50	OSCVDD	—	Power supply terminal (for 22 MHz OSC)
51	USBOSCVDD	—	Power supply terminal (for the USB 48 MHz OSC)
52	TSMVDD	—	Power supply terminal (for the TSB master communication)
53	MAIFVDD	—	Power supply terminal (for MA interface)
54	MSJTAGVDD	—	Power supply terminal (for AUX)
55	USBIFVDD	—	Power supply terminal (for USB interface)
56 to 58	VSS_0 to VSS_2	—	Ground terminal
59 to 62	IFVDD_1 to IFVDD_4	—	Power supply terminal (for interface)
63	IFVSS_1	—	Ground terminal (for interface)
64	IFVSS_2	—	Ground terminal (for interface)
65 to 69	DRAMVDD0 to DRAMVDD4	—	Power supply terminal (for D-RAM/DSP interface)
70 to 72	DRAMVSS0 to DRAMVSS2	—	Ground terminal (for D-RAM/DSP interface)
73	FCRAMVDD0	—	Power supply terminal (for D-RAM)
74	FCRAMVSS0	—	Ground terminal (for D-RAM)
75	FCRAMVDD1	—	Power supply terminal (for D-RAM)
76	FCRAMVSS1	—	Ground terminal (for D-RAM)
77	FVDD0	—	Power supply terminal (for AUX)
78	FVSS0	—	Ground terminal (for AUX)
79	SRAMVDD0	—	Power supply terminal (for AUX)
80	SRAMVSS0	—	Ground terminal (for AUX)
81	SRAMVDD1	—	Power supply terminal (for AUX)
82	SRAMVSS1	—	Ground terminal (for AUX)
83	EBIFVDD0	—	Power supply terminal (for interface circuit)
84	EBIFVSS0	—	Ground terminal (for interface circuit)
85	EBIFVDD1	—	Power supply terminal (for interface circuit)
86	EBIFVSS1	—	Ground terminal (for interface circuit)
87	EBIFVDD2	—	Power supply terminal (for interface circuit)
88	EBIFVSS2	—	Ground terminal (for interface circuit)
89	EBIFVDD3	—	Power supply terminal (for interface circuit)
90	EBIFVSS3	—	Ground terminal (for interface circuit)
91	EBIFVDD4	—	Power supply terminal (for interface circuit)
92	EBIFVSS4	—	Ground terminal (for interface circuit)
93	EBIFVDD5	—	Power supply terminal (for interface circuit)
94	EBIFVSS5	—	Ground terminal (for interface circuit)
95	EBIFVDD6	—	Power supply terminal (for interface circuit)
96	EBIFVSS6	—	Ground terminal (for interface circuit)
97	EBIFVDD7	—	Power supply terminal (for interface circuit)
98	EBIFVSS7	—	Ground terminal (for interface circuit)
99	ASYO	O	Playback EFM duplex signal output
100	ASYI	I	Playback EFM comparator slice level input
101	RFI	I	Playback EFM RF signal input from the RF amplifier

Pin No.	Pin Name	I/O	Description
102	PCO	O	Phase comparison output terminal for the playback EFM system master PLL
103	FILI	I	Filter input terminal for the playback EFM system master PLL
104	FILO	O	Filter output terminal for the playback EFM system master PLL
105	CLTV	I	Internal VCO control voltage input terminal for the playback EFM system master PLL
106	PEAK	I	Peak hold signal input of the light amount signal (RF/ABCD) the RF amplifier
107	BOTM	I	Bottom hold signal input of the light amount signal (RF/ABCD) the RF amplifier
108	ABCD	I	Light amount signal (ABCD) input from the RF amplifier
109	FE	I	Focus error signal input from the RF amplifier
110	VC	I	Middle point voltage input from the RF amplifier
111	ADIO	I	Monitor output terminal of A/D converter input signal Not used
112	ADRB	I	A/D converter the lower limit voltage input terminal
113	SE	I	Sled error signal input from the RF amplifier
114	TE	I	Tracking error signal input from the RF amplifier
115	AUX1	I	Auxiliary A/D input terminal
116	ADRT	I	The upper limit voltage of A/D converter input terminal Not used
117	DCHG	—	Connecting terminal with the analog power supply of low impedance
118	APC	I	Error signal input for the laser automatic power control
119	ADC1EXTC	—	Connection terminal for an external capacitor
120	D_VREGO	I	Voltage sensibility of regulator for class-D amplifier Not used
121	VB_MON	I	Unregulated power supply voltage monitoring terminal
122	CHG_MON	I	Charge or discharge current monitoring terminal Not used
123	VREF_MON	O	Reference voltage output terminal
124	SET_KEY_1	I	Front panel key input terminal
125	SET_KEY_2	I	Front panel key input terminal
126	DCIN_DET	I	DC input voltage for battery charge monitoring terminal Not used
127	HIDC_MON	I	High DC voltage monitoring terminal
128	WK_DET	I	Panel key input for wake-up
129	VBUS_MON	I	USB power supply voltage monitoring terminal
130	BATT_MINUS_MON	I	Voltage monitoring terminal for the minus terminal of rechargeable battery
131	RMC_KEY	I	Remote commander key input terminal
132	RST_CONT	O	System reset signal output to the power control IC
133	REC_KEY /DOWNLOAD	I	DOWNLOAD key input terminal
134	RADIO_ON	I	Radio on detection input from the remote commander jack Not used
135	HALF_LOCK_SW /OPEN_SW	I	Front panel open switch detection terminal
136	XRST	I	System reset signal input from the power control IC
137	PLL2EXTCI	I	Connection terminal for an external capacitor
138	PLL2EXTCO	O	Connection terminal for an external capacitor
139	PLL3EXTCI	I	Connection terminal for an external capacitor
140	PLL3EXTCO	O	Connection terminal for an external capacitor
141	DACVREFH	I	Reference voltage input terminal
142	APCREF_DA	O	Reference voltage output terminal
143	ADC3VREFH	I	Reference voltage input terminal
144	ADC3EXTC	—	Connection terminal for an external capacitor
145	VIN	I	RF signal input from the RF amplifier

Pin No.	Pin Name	I/O	Description
146	VREFL	I	Reference voltage terminal connected to the capacitor (for the built-in D/A converter L-CH)
147	AOUTL	O	Built-in D/A converter L-CH signal output
148	AOUTR	O	Built-in D/A converter R-CH signal output
149	VREFR	I	Reference voltage terminal connected to the capacitor (for the built-in D/A converter R-CH)
150	DCLSOUTR	O	PWM modulator signal output for the class-D headphone amplifier Not used
151	DCLSOUTL	O	PWM modulator signal output for the class-D headphone amplifier Not used
152	RTCK	—	Not used
153	ADFG	I	ADIP duplex FM signal (22.05±1kHz) input from the RF amplifier
154	TRDR	O	Tracking servo drive PWM signal output (-) to the coil driver
155	TFDR	O	Tracking servo drive PWM signal output (+) to the coil driver
156	FFDR	O	Focus servo drive PWM signal output (+) to the coil driver
157	FRDR	O	Focus servo drive PWM signal output (-) to the coil driver
158	FS4	O	176.4 kHz clock signal output
159	SFDR	O	Sled servo drive PWM signal output to the motor driver
160	SPRD	O	Spindle motor drive control signal output (U) to the motor driver
161	SPFD	O	Spindle servo drive PWM signal output to the motor driver
162	SPDV	O	Spindle motor drive control signal output (V) to the motor driver
163	SPDW	O	Spindle motor drive control signal output (W) to the motor driver
164	SPCU	I	Spindle motor drive comparison signal input (U) from the motor driver
165	SPCV	I	Spindle motor drive comparison signal input (V) from the motor driver
166	SPCW	I	Spindle motor drive comparison signal input (W) from the motor driver
167	SLDV	O	Sled motor drive control signal output (V) to the motor driver
168	SLDW	O	Sled motor drive control signal output (W) to the motor driver
169	SLCU	I	Sled motor drive comparison signal input (U) from the motor driver
170	SLCV	I	Sled motor drive comparison signal input (V) from the motor driver
171	SLCW	I	Sled motor drive comparison signal input (W) from the motor driver
172	SRDR	O	Sled motor drive control signal output (U) to the motor driver
173	DIN	I	Digital audio signal input terminal
174	FS256_OUT	O	11.2896 MHz clock output
175	CHOPPERCLK	O	Clock signal output for chopper
176 to 179	MNT0 to MNT3	O	Monitor output for DSP
180	OFTRK	I/O	Tracking signal input/output for MD3
181	RECP	O	Laser power changeover signal output
182	EFMO	O	EFM encode data output for the record
183	PAUSE_KEY	I	Pause key input terminal
184	PROTECT	I	Recording protector detection input for normal disc
185	OPT_DET	I	Optical digital input plug detection input terminal “H”: optical in
186	XJACK_DET	I	Line input plug detection input terminal “L”: plug in
187	XMIC_DET	I	Microphone input plug detection input terminal “L”: plug in Not used
188	OPEN_CLOSE_SW	I	Open switch input terminal
189	XCS_ADC	O	Chip select signal output for A/D converter
190	XPD_ADC	O	Power control signal output for A/D converter
191	NC	—	Not used
192	XRST_LCD	O	Reset signal output for the LCD module
193	USB_WAKE	I	System wake up signal input by USB connect
194	A7CAL_SW	I/O	Current sense amplifier input, and short switch control output terminal Not used

Pin No.	Pin Name	I/O	Description
195	SI0	I	Serial data input from the EEPROM
196	SO0	O	Serial data output to the EEPROM
197	SCK0	O	Serial clock output to the EEPROM
198	XGUM_ON	I	Rechargeable battery detection signal terminal Not used
199	BEEP	O	Beep sound control signal output to the headphone amplifier
200	XOPT_CTL	O	Power supply on/off control signal output for the optical input jack
201	LAM_REQCHK	I	LAM power check terminal Not used
202	LAM_SPREQ	O	LAM force stop request signal output Not used
203	REC_LED /ACCESS_LED	O	REC or Access LED drive signal output terminal Not used
204	MDVCC_CTL	O	Power supply control signal output for the OP modulation
205	VBUS_VB_CTL	O	USB power supply control signal output terminal
206	LAM_NAME	O	LAM name data request signal output terminal Not used
207	PE7	—	Not used
208	PF0	—	Not used
209	PF1/S0DO	O	Connect to the optical pick-up block
210	PF2/S1DO	O	Connect to the optical pick-up block
211	PF3/RTG3	O	Connect to the headphone amplifier
212	XMUTE /MUTE	O	Muting on/off control signal output terminal
213	SI1	I	Serial data input from the LCD module
214	SO1	O	Serial data output to the LCD module
215	SCK1	I/O	Serial data transfer clock signal input/output terminal with the LCD module
216	SLD_MON	I	Sled servo monitoring terminal
217	AOUT_SEL	O	Headphone/line output switching terminal Not used
218	YUZU_SLEEP	O	Chip enable output to the power control IC
219	FFCLR	O	Input latch output for the start switching to the power control Not used
220	CHGI_CTL1	O	Charge current limiter control signal output at the time of DC adaptor use “L”: charge Not used
221	CHGI_CTL2	O	Charge current control signal output terminal “L”: low current charge
222	CHGI_CTL3	O	Charge current control signal output terminal “L”: low current charge
223	SLBUSY	I	Receive signal monitoring terminal for sled command
224	XTEST	I	Terminal for the test mode setting (normally open) “L”: test mode
225	XRF_RST	O	Reset signal output to the RF amplifier
226	VREC_SEL	O	VREC start-up timing control signal output terminal
227	XHOLD_SW	I	HOLD switch detection input terminal
228	T_MARK_SW	I	Track mark switch input terminal Not used
229	XRST2_DET	I	Reset signal input from the power control IC
230	CHGI_SEL	O	Charge/discharge control signal output for current sense amplifier Not used
231	RECP_MON	I	Laser power changeover signal monitoring terminal
232	SPDL_MON	I	Spindle servo monitoring terminal
233	XCS_PWR_IC	O	Chip select signal output to the power control IC
234	RXD	I	Not used
235	TXD	O	Not used
236	XCS_LCD	O	Chip select signal output to the LCD module
237	CC_CTL /VI_CTL	O	Constant current circuit control signal output terminal

Pin No.	Pin Name	I/O	Description
238	XRST_MTR_DRV	O	Reset signal output to the motor driver
239	XCS_NV	O	Chip select signal output to the EEPROM
240	CHG_PWM	O	Charge current or voltage control signal output terminal
241	IAMP_CAL	O	Offset signal output of current sense amplifier Not used
242	NC	—	Not used
243	D_VCONT_PWM	I	Power supply voltage setting terminal for only class-D amplifier Not used
244	CHG_OPR_LED	O	Charge indication LED drive signal output terminal Not used
245	XCS_REC_DRV	O	Chip select signal output to the over write head driver
246	GND_SW	O	Ground line switching signal output terminal
247	CS_RTC	O	Chip select signal output for real time clock Not used
248	JOG_A	I	Jog dial pulse input terminal
249	JOG_B	I	Jog dial pulse input terminal
250	VBUS_DET	I	USB power supply voltage detection terminal
251	SSB_DATA	I/O	SSB data input/output with the RF amplifier
252	SSB_CLK	O	SSB clock output to the RF amplifier
253	HIMD_PROTECT	I	Recording protector detection input for Hi-MD disc
254	LDPEN	O	Pulse/DC light-emit switching signal output terminal
255	CHG_TYPE2	O	Battery charge control signal output terminal “H”: charging
256	DRAM_HOLD_DET	I	Detection terminal for D-RAM power supply information keeping Not used
257	DRAM_VDD_CLR	O	D-RAM power latch clear signal output for quick mode sleep Not used
258	AD2ENDF	I	Monitoring terminal for flag of servo signal A/D measuring finish
259	TEST	—	Not used
260	SRAM_MODE	I	Not used
261	HSALF	I	Not used
262 to 271	TIGER_MON0 to TIGER_MON9	O	Trigger monitoring terminal output clock=18.5 MHz
272	XLSRCK	O	Pulse output for laser strobe recording
273	TAT	—	Not used
274	TAN	—	Not used
275	NAR	—	Not used
276	IDO	—	Not used
277	SAK	—	Not used
278	LRCKI	I	L/R sampling clock signal input terminal for PCM data interface Not used
279	XBCKI	I	Bit clock signal input terminal for the PCM data interface Not used
280	DATAI	I	Serial clock signal input terminal for the PCM data interface Not used
281	SI3	I	Serial data input for LAM microcomputer communication Not used
282	SO3	O	Serial data output for LAM microcomputer communication Not used
283	SCK3	O	Serial data transfer clock signal output for LAM microcomputer communication Not used
284	SI4	I	Data input from ATRAC3 plus encoder communication Not used
285	SO4	O	Data output for ATRAC3 plus encoder communication Not used
286	SCK4	O	Clock signal output for ATRAC3 plus encoder communication Not used
287	SCS3	O	Chip select signal output for LAM microcomputer communication Not used

Pin No.	Pin Name	I/O	Description
288	SCS4	O	Chip select signal output for ATRAC3 plus encoder communication Not used
289	HI_Z_SLD	O	Standby signal output terminal for the sled motor
290	HI_Z_SPDL	O	Standby signal output terminal for the spindle motor
291 to 294	SET_CODE0 to SET_CODE3	I	Setting terminal for the destination
295	D_EN1	O	Control signal output for class-D amplifier Not used
296	D_EN2	O	Control signal output for class-D amplifier Not used
297	D_ENVG	O	Enable/disable switching control terminal for class-D amplifier booster circuit Not used
298	DADT	O	Audio data output terminal Not used
299	PWM_L1	O	LC drive PWM output terminal
300	PWM_L2	O	LC drive PWM output terminal
301	I2C 1	—	Open drain for IIC
302	I2C 2	—	Open drain for IIC
303, 304	TEST	—	Not used
305	CLKIN2	I	Clock signal input terminal (13.5 MHz or 27 MHz) Not used
306	FS256	O	Master clock signal (256Fs=11.2896 MHz) output to A/D converter
307	ADDT	I	Data input from A/D converter
308	LRCK	O	L/R sampling clock signal (44.1kHz) output to external A/D converter
309	XBCK	O	Bit clock (2.8224 MHz) output to the external A/D converter
310	OSCI	I	Main system clock input terminal (22.5792 MHz)
311	OSCO	O	Main system clock output terminal (22.5792 MHz)
312	FS512	O	Clock signal output for class-D amplifier Not used
313	DTCK	I/O	TSB master data clock input/output or SSB data input/output
314	UDP	I/O	USB data (+) input/output terminal
315	UDM	I/O	USB data (-) input/output terminal
316	USBHOLD	I	USB hold signal input terminal
317	SUSPEND	O	USB suspend signal output
318	UPUEN	O	USB pull-up resistor connection control output terminal
319	UOSCI	I	Resonator (48MHz) connection terminal for the USB oscillation circuit
320	UOSCO	O	Resonator (48MHz) connection terminal for the USB oscillation circuit
321 to 325	NC	—	Not used

## SECTION 5 EXPLODED VIEWS

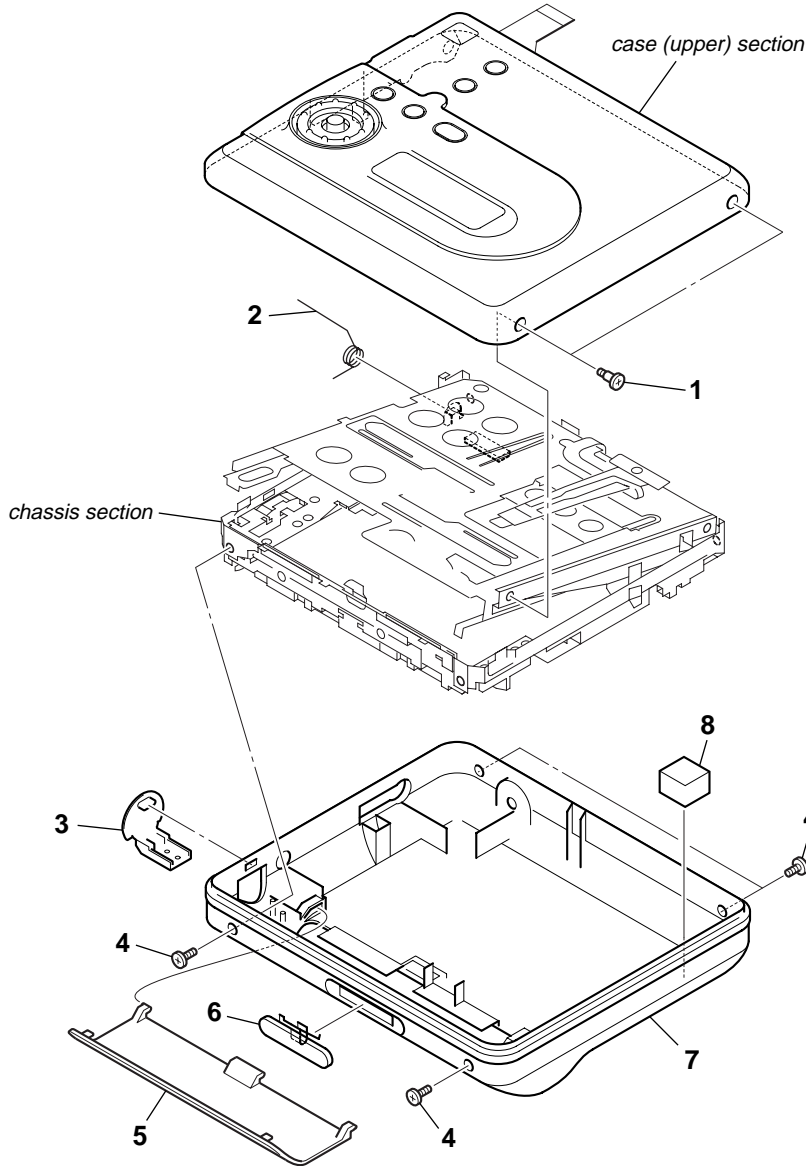
**NOTE:**

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts  
Example:  
KNOB, BALANCE (WHITE) . . . (RED)  
  ↑  ↑  
  Parts Color Cabinet's Color
- Abbreviation  
EE : East European model

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

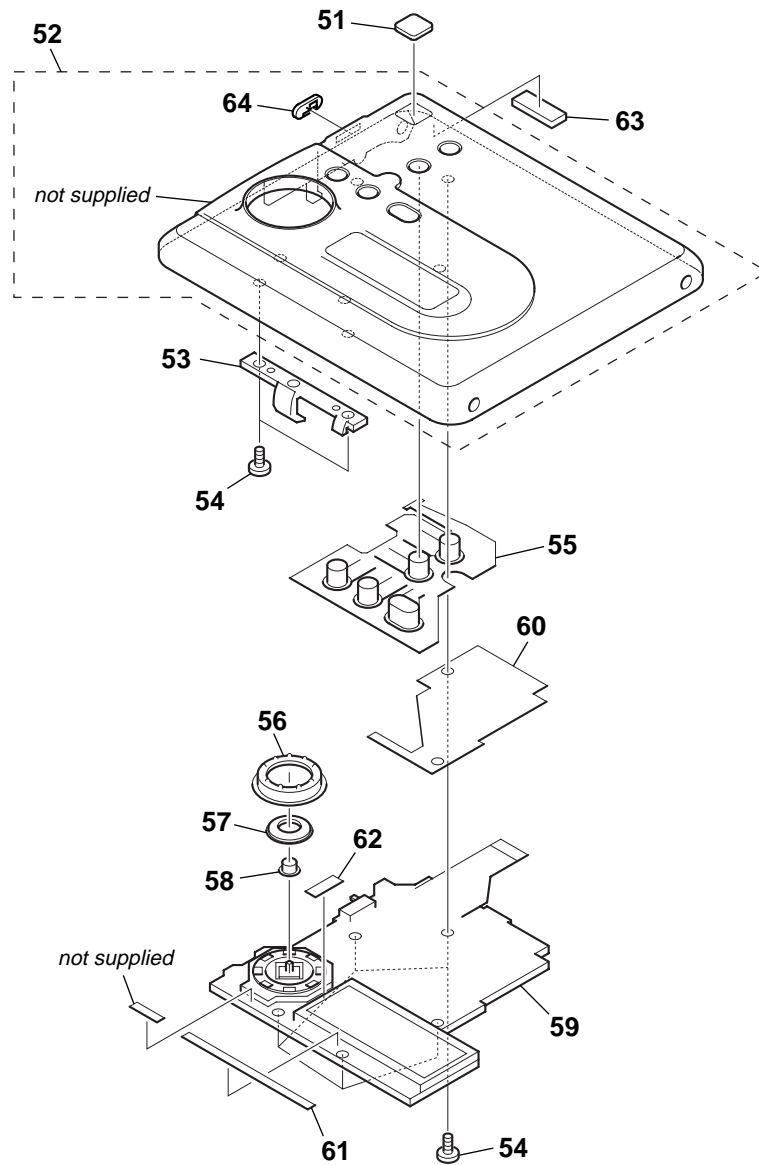
### 5-1. CASE (LOWER) SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	3-241-529-01	SCREW, STEP		6	3-266-206-51	KNOB (OPEN) (for BLUE SILVER)	
2	3-266-359-01	HERICAL TORSION SPRING (L)		6	3-266-206-61	KNOB (OPEN) (for DARK BLUE)	
3	3-246-248-01	CAP (USB) (for BLUE SILVER, DARK BLUE)		6	3-266-206-71	KNOB (OPEN) (for WHITE)	
3	3-246-248-11	CAP (USB) (for WHITE)		7	3-266-214-01	CASE (LOWER) (for BLUE SILVER)	
4	3-234-449-19	SCREW (M1.4)		7	3-266-214-21	CASE (LOWER) (for DARK BLUE)	
5	3-266-208-41	LID, BATTERY CASE (for BLUE SILVER)		7	3-266-214-31	CASE (LOWER) (for WHITE)	
5	3-266-208-51	LID, BATTERY CASE (for DARK BLUE)		8	2-178-265-01	CUSHION (RODEO 3)	
5	3-266-208-61	LID, BATTERY CASE (for WHITE)					

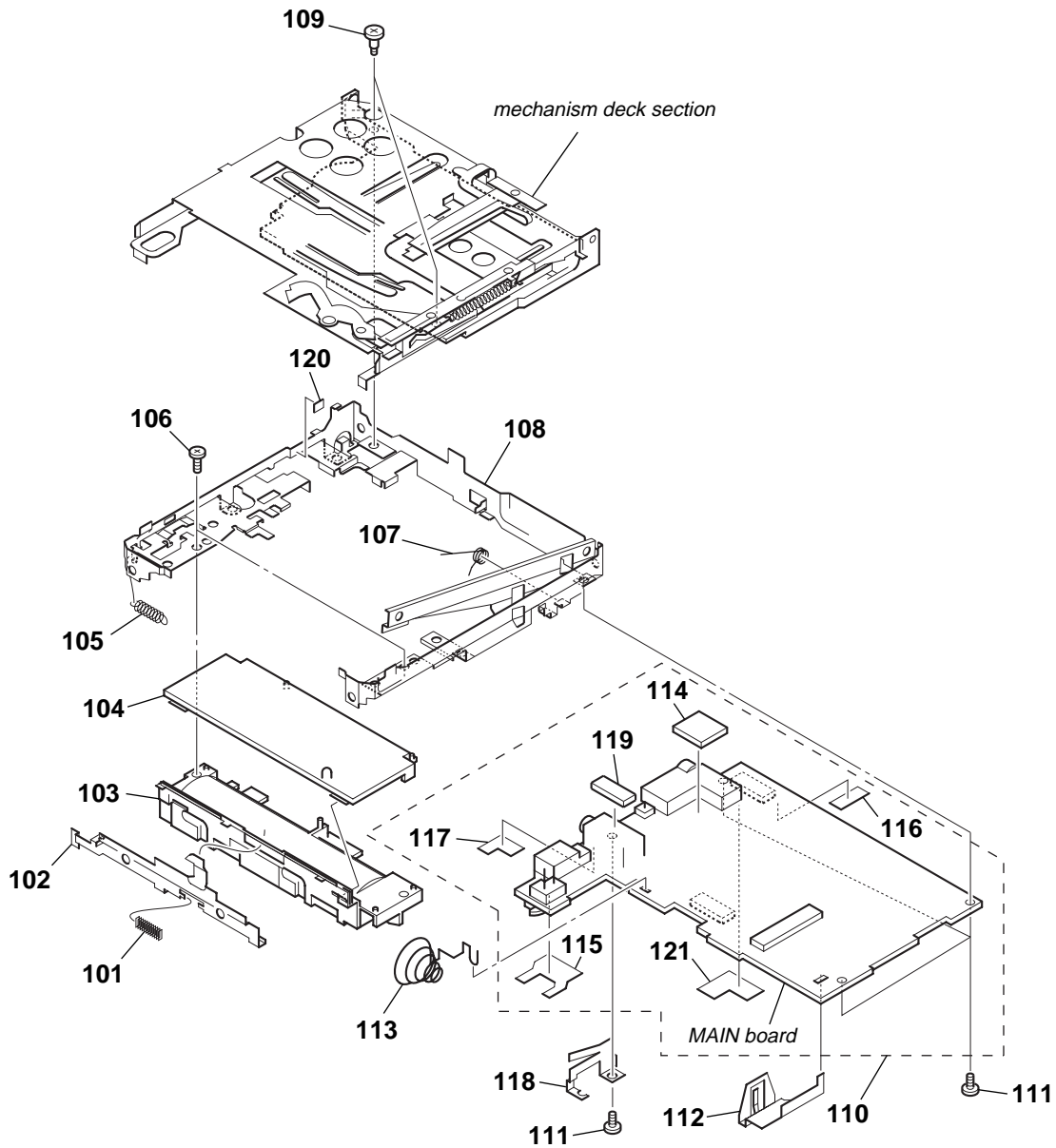


5-2. CASE (UPPER) SECTION



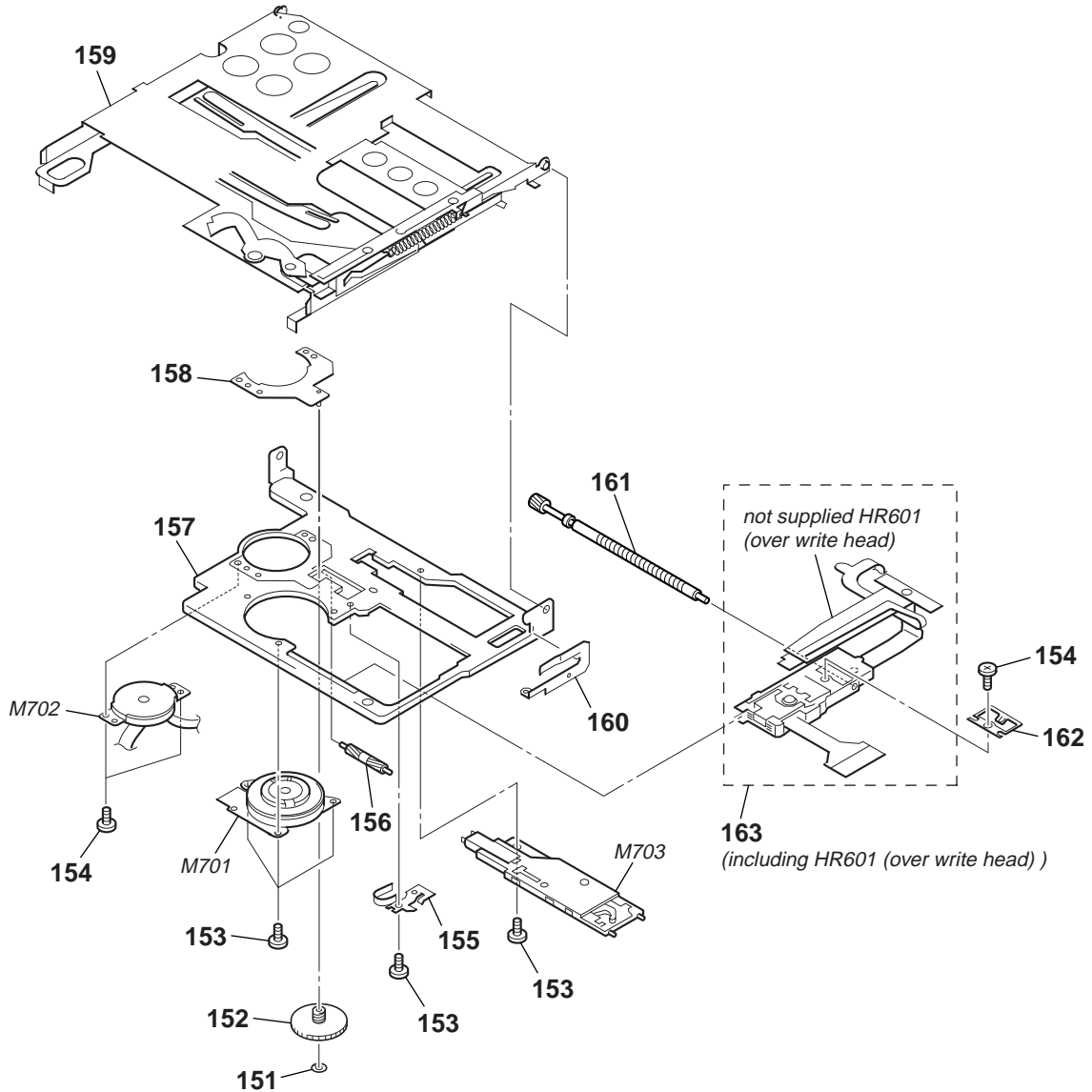
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	3-264-154-01	BADGE (HI-MD)		58	3-266-219-01	KNOB (5DIR) (▶ FNT)	
52	X-2023-287-1	CASE (UPPER) (S) SV ASSY (for BLUE SILVER)		59	1-805-515-11	LCD MODULE	
52	X-2023-288-1	CASE (UPPER) (DB) SV ASSY (for DARK BLUE)		60	2-109-912-01	SHEET (LCD COVER)	
52	X-2023-289-1	CASE (UPPER) (W) SV ASSY (for WHITE)		61	2-176-384-01	SHEET (LCD1)	
53	3-266-189-01	OPEN LOCKER		62	2-176-385-01	SHEET (LCD2)	
54	3-254-014-01	SCREW		63	2-148-440-01	CUSHION (LCD FPC)	
55	3-266-215-01	BUTTON (CONTROL) (T MARK/REC (▶)). ■. ■. ■. ■. ■. NAVI/MENU. GROUP)		64	3-249-687-31	KNOB (HOLD) (for DARK BLUE)	
56	3-266-216-01	KNOB (ROTARY)		64	3-249-687-71	KNOB (HOLD) (for BLUE SILVER)	
57	3-266-192-01	ESCUTCHEON (5 DIRECTION) (VOL +. ▶▶▶. VOL -. ◀◀◀)		64	3-249-687-81	KNOB (HOLD) (for WHITE)	

5-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
101	3-266-202-01	SPRING (OPEN), COMPRESSION COIL		111	3-238-876-04	SCREW (M1.4), TOOTHED LOCK	
102	3-266-197-01	OPEN SLIDER		112	3-266-204-01	TERMINAL (+), BATTERY	
103	3-266-196-01	CASE, BATTERY		113	3-266-203-01	TERMINAL (-), BATTERY	
104	3-266-194-01	MD STANDARD PIN		114	2-102-902-01	SHEET (JACK FRONT)	
105	3-266-201-01	SPRING (R), EXTENSION		115	2-109-022-01	SHEET (PWB SW)	
106	3-254-003-01	SCREW		116	2-109-024-01	SHEET (PWB DC)	
107	3-266-199-01	SPRING (R), TORSION COIL		117	2-109-025-01	SHEET (PWB LINE)	
108	X-3385-057-1	CHASSIS ASSY, SET		118	2-109-497-01	SPRING (USB), LEAF	
109	3-246-996-01	SCREW (MD), STEP		119	3-242-558-01	SPACER (LINE IN)	
110	X-2023-290-1	MAIN BOARD, COMPLETE (for SERVICE) (AEP, EE)		120	2-176-386-01	SHEET (SET CHASSIS L)	
110	X-2023-291-1	MAIN BOARD, COMPLETE (for SERVICE) (E)		121	2-109-021-01	SHEET (PWB HP)	

5-4. MECHANISM DECK SECTION  
(MT-MZNH900-181)



The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
151	3-338-645-31	WASHER (0.8-2.5)		160	3-263-453-01	PLATE, RATCHET	
152	3-263-454-01	GEAR (BSA)		161	A-4576-495-A	SCREW BLOCK ASSY, LEAD	
153	3-248-370-01	SCREW, SELF TAP		162	3-244-879-01	SPRING, RACK	
154	3-225-996-17	SCREW (M1.4) (EG), PRECISION PAN		Δ 163	X-2021-785-1	OP SERVICE ASSY (ABX-U) (including HR601(OVER WRITE HEAD))	
155	3-244-880-01	SPRING, THRUST RETAINER		M701	8-835-782-12	MOTOR, DC SSM18D/C-NP (SPINDLE)	
156	3-263-455-01	GEAR (SB)		M702	1-787-143-11	MOTOR, DC (SLED)	
157	3-259-972-21	CHASSIS (REC)		M703	1-477-519-21	MOTOR UNIT, DC (OVER WRITE HEAD UP/DOWN)	
158	X-3384-651-1	BASE ASSY, MOTOR					
159	X-3384-650-1	HOLDER ASSY					

## SECTION 8 ELECTRICAL PARTS LIST

**MAIN**

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms.  
METAL: Metal-film resistor.  
METAL OXIDE: Metal oxide-film resistor.  
F: nonflammable
- Abbreviation  
EE : East European model

- Items marked “\*\*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA... :  $\mu$ A...      uPA... :  $\mu$ PA...  
uPB... :  $\mu$ PB...    uPC... :  $\mu$ PC...  
uPD... :  $\mu$ PD...
- CAPACITORS  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
	X-2023-290-1	MAIN BOARD, COMPLETE (for SERVICE)	(AEP, EE)	C353	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
	X-2023-291-1	MAIN BOARD, COMPLETE (for SERVICE) (E)	*****	C354	1-135-151-21	TANTALUM CHIP 4.7uF	20% 4V
	2-102-902-01	SHEET (JACK FRONT)		C355	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V
	2-109-021-01	SHEET (PWB HP)		C356	1-135-201-11	TANTALUM CHIP 10uF	20% 4V
	2-109-022-01	SHEET (PWB SW)		C361	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V
	2-109-024-01	SHEET (PWB DC)		C364	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
	2-109-025-01	SHEET (PWB LINE)		C402	1-100-609-11	TANTALUM CHIP 220uF	5V
	3-242-558-01	SPACER (LINE IN)		C403	1-100-609-11	TANTALUM CHIP 220uF	5V
		< CAPACITOR >		C406	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C101	1-164-874-11	CERAMIC CHIP 100PF	5% 50V	C407	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C102	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V	C408	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C151	1-164-941-11	CERAMIC CHIP 0.0047uF	10% 16V	C411	1-119-751-11	TANTALUM CHIP 22uF	20% 16V
C152	1-164-939-11	CERAMIC CHIP 0.0022uF	10% 50V	C412	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C153	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V	C415	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C154	1-115-467-11	CERAMIC CHIP 0.22uF	10% 10V	C419	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C160	1-137-859-11	TANTALUM CHIP 220uF	20% 4V	C420	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C201	1-164-874-11	CERAMIC CHIP 100PF	5% 50V	C421	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C202	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V	C423	1-100-609-11	TANTALUM CHIP 220uF	5V
C251	1-164-941-11	CERAMIC CHIP 0.0047uF	10% 16V	C424	1-100-609-11	TANTALUM CHIP 220uF	5V
C252	1-164-939-11	CERAMIC CHIP 0.0022uF	10% 50V	C425	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C253	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V	C426	1-119-751-11	TANTALUM CHIP 22uF	20% 16V
C254	1-115-467-11	CERAMIC CHIP 0.22uF	10% 10V	C427	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C260	1-137-859-11	TANTALUM CHIP 220uF	20% 4V	C429	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C302	1-164-939-11	CERAMIC CHIP 0.0022uF	10% 50V	C430	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V
C303	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C452	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C304	1-164-874-11	CERAMIC CHIP 100PF	5% 50V	C453	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V
C305	1-164-874-11	CERAMIC CHIP 100PF	5% 50V	C455	1-164-939-11	CERAMIC CHIP 0.0022uF	10% 50V
C310	1-135-259-11	TANTALUM CHIP 10uF	20% 6.3V	C456	1-164-939-11	CERAMIC CHIP 0.0022uF	10% 50V
C313	1-100-539-91	TANTALUM CHIP 47uF	20% 6.3V	C457	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V
C319	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C458	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C320	1-135-149-21	TANTALUM CHIP 2.2uF	10% 10V	C459	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C321	1-100-539-91	TANTALUM CHIP 47uF	20% 6.3V	C476	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V
C322	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C478	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V
C323	1-135-259-11	TANTALUM CHIP 10uF	20% 6.3V	C479	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C324	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C480	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V
C325	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C481	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V
C327	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V	C511	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C328	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V	C513	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V
C351	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V	C515	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C352	1-135-259-11	TANTALUM CHIP 10uF	20% 6.3V	C516	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
				C517	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
				C518	1-135-210-11	TANTALUM CHIP 4.7uF	20% 10V
				C519	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
				C520	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V

Ref. No.	Part No.	Description	Remark			Ref. No.	Part No.	Description	Remark		
C521	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V	C633	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C522	1-164-850-11	CERAMIC CHIP	10PF	0.5PF	50V	C634	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C523	1-125-777-11	CERAMIC CHIP	0.1uF		10V	C635	1-100-539-91	TANTALUM CHIP	47uF	20%	6.3V
C524	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	C636	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C525	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V	C637	1-165-851-91	TANTALUM CHIP	10uF	20%	6.3V
C526	1-164-874-11	CERAMIC CHIP	100PF	5%	50V	C638	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C527	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C641	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C528	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C642	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C529	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C643	1-100-743-91	CERAMIC CHIP	2.2uF	10%	16V
C530	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C644	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C531	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C645	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C533	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C646	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C536	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V	C648	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C537	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C649	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C538	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C650	1-165-851-91	TANTALUM CHIP	10uF	20%	6.3V
C539	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C652	1-135-259-11	TANTALUM CHIP	10uF	20%	6.3V
C545	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C653	1-135-259-11	TANTALUM CHIP	10uF	20%	6.3V
C547	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V	C658	1-100-539-91	TANTALUM CHIP	47uF	20%	6.3V
C550	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V	C660	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C552	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C661	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C553	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V	C666	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C554	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C668	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C555	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V	C669	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C556	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V	C671	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C557	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C672	1-127-820-11	CERAMIC CHIP	4.7uF	10%	16V
C558	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C673	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C559	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V	C674	1-112-010-91	CAP. CHIP MICA	33PF		
C560	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C675	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C561	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C676	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C562	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C677	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C564	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V	C701	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C565	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C702	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C566	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C703	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C567	1-135-210-11	TANTALUM CHIP	4.7uF	20%	10V	C705	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C568	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C706	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C569	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C707	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C570	1-165-847-91	TANTALUM CHIP	4.7uF	20%	10V	C708	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C573	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V	C709	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C574	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C710	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C601	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C712	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C602	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C713	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C604	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C714	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C607	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C715	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C609	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C716	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C611	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V	C717	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C612	1-119-750-11	TANTALUM CHIP	22uF	20%	6.3V	C801	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V
C613	1-119-750-11	TANTALUM CHIP	22uF	20%	6.3V	C802	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V
C614	1-119-750-11	TANTALUM CHIP	22uF	20%	6.3V	C803	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C616	1-165-897-11	TANTALUM CHIP	22uF	20%	10V	C804	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C619	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C805	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C620	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V	C808	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C621	1-135-201-11	TANTALUM CHIP	10uF	20%	4V	C809	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C622	1-100-539-91	TANTALUM CHIP	47uF	20%	6.3V	C810	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C625	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C811	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C627	1-100-539-91	TANTALUM CHIP	47uF	20%	6.3V	C812	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C628	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V	C814	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C630	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	C816	1-100-539-91	TANTALUM CHIP	47uF	20%	6.3V
						C817	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

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## MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C818	1-165-851-91	TANTALUM CHIP 10uF	20% 6.3V	C959	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C819	1-100-539-91	TANTALUM CHIP 47uF	20% 6.3V	C960	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C820	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	C961	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V
C821	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V			< CONNECTOR >	
C822	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V				
C823	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	CN451	1-818-190-21	CONNECTOR, SQUARE TYPE (USB)	
C827	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	CN471	1-818-543-21	CONNECTOR, FFC/FPC (ZIF) 16P	
C828	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	CN501	1-818-545-21	CONNECTOR, FFC/FPC (ZIF) 26P	
C832	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V	CN701	1-818-540-21	CONNECTOR, FFC/FPC (ZIF) 10P	
C833	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V			< DIODE >	
C835	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D151	8-719-056-72	DIODE UDZ-TE-17-2.4B	
C836	1-165-851-91	TANTALUM CHIP 10uF	20% 6.3V	D251	8-719-056-72	DIODE UDZ-TE-17-2.4B	
C838	1-165-851-91	TANTALUM CHIP 10uF	20% 6.3V	D301	8-719-056-53	DIODE MAZS051008SO	
C839	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D302	8-719-056-53	DIODE MAZS051008SO	
C843	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D303	8-719-056-53	DIODE MAZS051008SO	
C845	1-100-539-91	TANTALUM CHIP 47uF	20% 6.3V	D304	8-719-056-58	DIODE MAZS027008SO	
C846	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D352	6-500-116-01	DIODE NNCD6.8H-T1	
C847	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D401	6-500-483-01	DIODE MA22D2800LSO	
C850	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D435	8-719-056-58	DIODE MAZS027008SO	
C853	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D439	6-500-483-01	DIODE MA22D2800LSO	
C856	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D440	6-500-483-01	DIODE MA22D2800LSO	
C857	1-164-858-11	CERAMIC CHIP 22PF	5% 50V	D441	8-719-056-52	DIODE MAZS047008SO	
C858	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D457	6-500-483-01	DIODE MA22D2800LSO	
C859	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D458	8-719-422-49	DIODE MA8056-L	
C860	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D471	8-719-072-27	DIODE MA2Z748001SO	
C861	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D601	6-500-813-01	DIODE MA2SD32008SO	
C864	1-107-826-11	CERAMIC CHIP 0.1uF	10% 16V	D602	8-719-072-27	DIODE MA2Z748001SO	
C892	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D603	8-719-072-27	DIODE MA2Z748001SO	
C901	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D604	6-500-483-01	DIODE MA22D2800LSO	
C902	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D605	6-500-910-01	DIODE MA2SD3000LSO	
C903	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V	D606	6-500-909-01	DIODE MA22D1700LSO	
C906	1-100-352-91	CERAMIC CHIP 1uF	10% 16V	D607	6-500-909-01	DIODE MA22D1700LSO	
C908	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V	D608	6-500-910-01	DIODE MA2SD3000LSO	
C909	1-119-751-11	TANTALUM CHIP 22uF	20% 16V	D609	8-719-072-27	DIODE MA2Z748001SO	
C915	1-165-851-91	TANTALUM CHIP 10uF	20% 6.3V	D610	8-719-072-27	DIODE MA2Z748001SO	
C916	1-165-851-91	TANTALUM CHIP 10uF	20% 6.3V	D611	8-719-072-27	DIODE MA2Z748001SO	
C918	1-165-176-11	CERAMIC CHIP 0.047uF	10% 16V	D613	6-500-813-01	DIODE MA2SD32008SO	
C919	1-164-227-11	CERAMIC CHIP 0.022uF	10% 25V	D614	6-500-813-01	DIODE MA2SD32008SO	
C920	1-125-777-11	CERAMIC CHIP 0.1uF	10% 10V	D615	6-500-909-01	DIODE MA22D1700LSO	
C922	1-128-964-11	TANTALUM CHIP 100uF	20% 6.3V	D616	6-500-909-01	DIODE MA22D1700LSO	
C923	1-100-539-91	TANTALUM CHIP 47uF	20% 6.3V	D801	8-719-072-27	DIODE MA2Z748001SO	
C924	1-100-539-91	TANTALUM CHIP 47uF	20% 6.3V	D803	6-500-813-01	DIODE MA2SD32008SO	
C926	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	D902	8-719-072-27	DIODE MA2Z748001SO	
C927	1-164-874-11	CERAMIC CHIP 100PF	5% 50V	D904	8-719-072-27	DIODE MA2Z748001SO	
C928	1-164-874-11	CERAMIC CHIP 100PF	5% 50V	D905	8-719-072-27	DIODE MA2Z748001SO	
C929	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V	D906	6-500-483-01	DIODE MA22D2800LSO	
C931	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V			< FUSE >	
C932	1-164-943-11	CERAMIC CHIP 0.01uF	10% 16V	F351	1-576-439-21	FUSE (SMD) (0.25A/125V)	
C933	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V			< FERRITE BEAD/SHORT >	
C935	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V				
C936	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V	FB102	1-469-580-11	INDUCTOR, FERRITE BEAD (1005)	
C937	1-165-884-11	CERAMIC CHIP 2.2uF	10% 6.3V	FB202	1-469-580-11	INDUCTOR, FERRITE BEAD (1005)	
C939	1-119-750-11	TANTALUM CHIP 22uF	20% 6.3V	FB302	1-469-580-11	INDUCTOR, FERRITE BEAD (1005)	
C940	1-119-750-11	TANTALUM CHIP 22uF	20% 6.3V	FB303	1-400-807-21	BEAD, FERRITE (1005)	
C948	1-119-750-11	TANTALUM CHIP 22uF	20% 6.3V	FB304	1-400-807-21	BEAD, FERRITE (1005)	
C954	1-164-937-11	CERAMIC CHIP 0.001uF	10% 50V				
C958	1-125-837-11	CERAMIC CHIP 1uF	10% 6.3V				

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
FB353	1-414-594-11	INDUCTOR, FERRITE BEAD		L606	1-400-626-11	INDUCTOR 10uH	
FB354	1-216-864-11	SHORT CHIP 0		L607	1-419-881-11	INDUCTOR 47uH	
FB355	1-414-594-11	INDUCTOR, FERRITE BEAD		L608	1-400-402-21	INDUCTOR 4.7uH	
FB357	1-414-594-11	INDUCTOR, FERRITE BEAD		L701	1-216-295-00	SHORT CHIP 0	
FB451	1-469-869-21	INDUCTOR (EMI FERRITE) (2012)		L702	1-216-295-00	SHORT CHIP 0	
FB452	1-469-869-21	INDUCTOR (EMI FERRITE) (2012)		L801	1-400-397-11	INDUCTOR 10uH	
FB471	1-216-864-11	SHORT CHIP 0		L802	1-400-343-21	INDUCTOR 22uH	
FB501	1-400-620-21	INDUCTOR, FERRITE BEAD (1005)		L803	1-216-001-00	RES-CHIP 10 5% 1/10W	
FB502	1-216-864-11	SHORT CHIP 0		L804	1-216-001-00	RES-CHIP 10 5% 1/10W	
FB503	1-216-864-11	SHORT CHIP 0		L805	1-216-295-00	SHORT CHIP 0	
FB801	1-216-864-11	SHORT CHIP 0		L901	1-456-711-21	COIL, CHOKE 100uH	
FB802	1-216-864-11	SHORT CHIP 0		L903	1-400-397-11	INDUCTOR 10uH	
FB803	1-414-760-21	INDUCTOR, FERRITE BEAD		L904	1-400-397-11	INDUCTOR 10uH	
FB807	1-216-864-11	SHORT CHIP 0		L906	1-456-677-21	COIL, CHOKE 47uH	
FB809	1-216-864-11	SHORT CHIP 0		L907	1-456-677-21	COIL, CHOKE 47uH	
FB810	1-414-760-21	INDUCTOR, FERRITE BEAD		L9001	1-414-398-11	INDUCTOR 10uH	
< IC >				< FILTER >			
IC301	6-702-894-01	IC AK5356VN-L		LF301	1-456-827-11	COIL, COMMON MODE CHOKE	
IC302	6-706-528-01	IC XC6219B212MR		LF302	1-456-827-11	COIL, COMMON MODE CHOKE	
IC352	6-705-942-01	IC TA2131FLG (EL)		LF401	1-411-957-11	FILTER, COMMON MODE	
IC401	6-705-536-01	IC MM1655NCBE		LF451	1-456-111-11	COIL, COMMON MODE CHOKE	
IC471	6-705-715-01	IC XC6219B242MR		< TRANSISTOR >			
IC501	6-705-012-01	IC SN761059ZQLR		Q301	8-729-051-23	TRANSISTOR 2SA2018TL	
IC502	6-706-095-01	IC R1180Q301B-TR-FA		Q351	8-729-037-52	TRANSISTOR 2SD2216J-QR (TX).SO	
IC601	6-705-000-01	IC SC901585VAR2		Q352	8-729-030-46	TRANSISTOR XP4314-TX	
IC602	6-703-317-01	IC R1160N121B-TR-FA		Q353	6-550-353-01	FET SI1410EDH-T1	
* IC603	6-706-038-01	IC XC6209B322MR		Q401	6-550-326-01	TRANSISTOR FZT968TA	
IC604	6-706-079-01	IC R1180Q121C-TR-FA		Q403	6-550-353-01	FET SI1410EDH-T1	
IC605	6-706-214-01	IC TC7SL32FU (TE85R)		Q406	8-729-427-74	TRANSISTOR XP4601	
IC606	6-702-590-01	IC XC61CN1702NR		Q407	8-729-037-75	TRANSISTOR UN9214J-(TX).SO	
IC607	8-759-690-72	IC XC61CN0902NR		Q433	8-729-037-52	TRANSISTOR 2SD2216J-QR (TX).SO	
IC701	6-704-999-01	IC BD6607KN		Q451	6-550-354-01	FET RTQ035P02TR	
IC801	8-753-225-26	IC CXD2681-222GG		Q452	8-729-427-74	TRANSISTOR XP4601	
IC804	6-706-089-01	IC XC61CC2502NR		Q471	8-729-429-44	TRANSISTOR XP1501	
IC892	(Not supplied)	IC HN58X2564FPIEZ		Q501	6-550-674-01	FET MCH6604-K-TL-E	
IC901	6-704-997-01	IC SC901584EPR2		Q502	8-729-051-23	TRANSISTOR 2SA2018TL	
IC902	6-704-245-01	IC XC61CC1702NR		Q503	8-729-037-52	TRANSISTOR 2SD2216J-QR (TX).SO	
< JACK >				Q504	8-729-037-89	TRANSISTOR 2SC4627J-C (TX).SO	
J301	1-815-950-12	JACK (LINE IN (OPTICAL))		Q601	6-550-357-01	FET CPH5614-TL-E	
J352	1-817-447-12	JACK (⌀)		Q602	6-550-740-01	FET MCH6617-TL-E	
J402	1-785-383-11	JACK, DC (POLARITY UNIFIED TYPE)	(DC IN 3V)	Q603	8-729-053-71	FET TS8K1TB	
< COIL/RESISTOR >				Q607	8-729-037-52	TRANSISTOR 2SD2216J-QR (TX).SO	
L303	1-400-397-11	INDUCTOR 10uH		Q608	8-729-030-46	TRANSISTOR XP4314-TX	
L351	1-216-295-00	SHORT CHIP 0		Q609	6-550-859-01	FET NTHD4508NT1G	
L501	1-216-295-00	SHORT CHIP 0		Q611	6-550-353-01	FET SI1410EDH-T1	
L502	1-400-397-11	INDUCTOR 10uH		Q612	8-729-049-81	FET SSM3K01F (TE85L)	
L503	1-400-397-11	INDUCTOR 10uH		Q613	8-729-047-68	FET SSM3K03FE (TPL3)	
L504	1-400-397-11	INDUCTOR 10uH		Q614	8-729-427-74	TRANSISTOR XP4601	
L505	1-400-397-11	INDUCTOR 10uH		Q615	6-550-353-01	FET SI1410EDH-T1	
L506	1-400-397-11	INDUCTOR 10uH		Q616	6-550-353-01	FET SI1410EDH-T1	
L507	1-400-397-11	INDUCTOR 10uH		Q617	8-729-427-74	TRANSISTOR XP4601	
L601	1-414-398-11	INDUCTOR 10uH		Q618	8-729-427-74	TRANSISTOR XP4601	
L603	1-414-398-11	INDUCTOR 10uH		Q801	8-729-047-68	FET SSM3K03FE (TPL3)	
L605	1-416-669-11	INDUCTOR 22uH		Q802	8-729-051-50	FET XP152A12COMR	
				Q803	8-729-037-52	TRANSISTOR 2SD2216J-QR (TX).SO	
				Q901	8-729-053-71	FET TS8K1TB	

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## MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q902	8-729-427-74	TRANSISTOR	XP4601	R432	1-216-864-11	SHORT CHIP	0
		< RESISTOR >		R434	1-218-989-11	RES-CHIP	1M 5% 1/16W
R101	1-208-927-11	METAL CHIP	47K 0.5% 1/16W	R435	1-218-990-11	SHORT CHIP	0
R103	1-208-715-11	METAL CHIP	22K 0.5% 1/16W	R436	1-218-981-11	RES-CHIP	220K 5% 1/16W
R151	1-218-965-11	RES-CHIP	10K 5% 1/16W	R437	1-218-981-11	RES-CHIP	220K 5% 1/16W
R152	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R438	1-218-977-11	RES-CHIP	100K 5% 1/16W
R153	1-218-965-11	RES-CHIP	10K 5% 1/16W	R439	1-218-990-11	SHORT CHIP	0
R154	1-218-965-11	RES-CHIP	10K 5% 1/16W	R454	1-216-864-11	SHORT CHIP	0
R155	1-208-635-11	METAL CHIP	10 0.5% 1/16W	R455	1-218-989-11	RES-CHIP	1M 5% 1/16W
R156	1-218-961-11	RES-CHIP	4.7K 5% 1/16W	R456	1-218-985-11	RES-CHIP	470K 5% 1/16W
R157	1-208-683-11	METAL CHIP	1K 0.5% 1/16W	R462	1-218-981-11	RES-CHIP	220K 5% 1/16W
R158	1-208-691-11	METAL CHIP	2.2K 0.5% 1/16W	R463	1-218-945-11	RES-CHIP	220 5% 1/16W
R160	1-218-990-11	SHORT CHIP	0 (E)	R464	1-208-935-11	METAL CHIP	100K 0.5% 1/16W
R160	1-208-635-11	METAL CHIP	10 0.5% 1/16W (AEP, EE)	R466	1-220-804-11	RES-CHIP	2.2M 5% 1/16W
R161	1-208-643-11	METAL CHIP	22 0.5% 1/16W (AEP, EE)	R467	1-218-965-11	RES-CHIP	10K 5% 1/16W
R201	1-208-927-11	METAL CHIP	47K 0.5% 1/16W	R471	1-218-990-11	SHORT CHIP	0
R203	1-208-715-11	METAL CHIP	22K 0.5% 1/16W	R472	1-218-990-11	SHORT CHIP	0
R251	1-218-965-11	RES-CHIP	10K 5% 1/16W	R473	1-218-990-11	SHORT CHIP	0
R252	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R474	1-218-953-11	RES-CHIP	1K 5% 1/16W
R253	1-218-965-11	RES-CHIP	10K 5% 1/16W	R475	1-218-990-11	SHORT CHIP	0
R254	1-218-965-11	RES-CHIP	10K 5% 1/16W	R476	1-208-699-11	METAL CHIP	4.7K 0.5% 1/16W
R255	1-208-635-11	METAL CHIP	10 0.5% 1/16W	R477	1-208-699-11	METAL CHIP	4.7K 0.5% 1/16W
R256	1-218-961-11	RES-CHIP	4.7K 5% 1/16W	R478	1-218-961-11	RES-CHIP	4.7K 5% 1/16W
R257	1-208-683-11	METAL CHIP	1K 0.5% 1/16W	R480	1-218-977-11	RES-CHIP	100K 5% 1/16W
R258	1-208-691-11	METAL CHIP	2.2K 0.5% 1/16W	R483	1-218-985-11	RES-CHIP	470K 5% 1/16W
R260	1-218-990-11	SHORT CHIP	0 (E)	R484	1-218-981-11	RES-CHIP	220K 5% 1/16W
R260	1-208-635-11	METAL CHIP	10 0.5% 1/16W (AEP, EE)	R485	1-218-985-11	RES-CHIP	470K 5% 1/16W
R261	1-208-643-11	METAL CHIP	22 0.5% 1/16W (AEP, EE)	R486	1-218-990-11	SHORT CHIP	0
R301	1-218-953-11	RES-CHIP	1K 5% 1/16W	R489	1-218-941-81	RES-CHIP	100 5% 1/16W
R304	1-218-977-11	RES-CHIP	100K 5% 1/16W	R490	1-218-941-81	RES-CHIP	100 5% 1/16W
R305	1-218-941-81	RES-CHIP	100 5% 1/16W	R491	1-218-941-81	RES-CHIP	100 5% 1/16W
R306	1-218-965-11	RES-CHIP	10K 5% 1/16W	R501	1-218-957-11	RES-CHIP	2.2K 5% 1/16W
R308	1-216-864-11	SHORT CHIP	0	R502	1-218-953-11	RES-CHIP	1K 5% 1/16W
R309	1-218-953-11	RES-CHIP	1K 5% 1/16W	R503	1-218-977-11	RES-CHIP	100K 5% 1/16W
R310	1-218-953-11	RES-CHIP	1K 5% 1/16W	R504	1-218-977-11	RES-CHIP	100K 5% 1/16W
R312	1-208-635-11	METAL CHIP	10 0.5% 1/16W	R505	1-208-635-11	METAL CHIP	10 0.5% 1/16W
R314	1-218-990-11	SHORT CHIP	0	R507	1-218-957-11	RES-CHIP	2.2K 5% 1/16W
R315	1-218-990-11	SHORT CHIP	0	R508	1-218-957-11	RES-CHIP	2.2K 5% 1/16W
R351	1-218-937-11	RES-CHIP	47 5% 1/16W	R509	1-218-990-11	SHORT CHIP	0
R352	1-218-981-11	RES-CHIP	220K 5% 1/16W	R511	1-218-990-11	SHORT CHIP	0
R353	1-218-969-11	RES-CHIP	22K 5% 1/16W	R512	1-218-990-11	SHORT CHIP	0
R354	1-218-965-11	RES-CHIP	10K 5% 1/16W	R513	1-218-965-11	RES-CHIP	10K 5% 1/16W
R355	1-218-989-11	RES-CHIP	1M 5% 1/16W	R514	1-218-973-11	RES-CHIP	47K 5% 1/16W
R356	1-218-977-11	RES-CHIP	100K 5% 1/16W	R515	1-218-965-11	RES-CHIP	10K 5% 1/16W
R358	1-220-804-11	RES-CHIP	2.2M 5% 1/16W	R516	1-218-973-11	RES-CHIP	47K 5% 1/16W
R418	1-218-977-11	RES-CHIP	100K 5% 1/16W	R517	1-218-965-11	RES-CHIP	10K 5% 1/16W
R419	1-218-965-11	RES-CHIP	10K 5% 1/16W	R518	1-218-973-11	RES-CHIP	47K 5% 1/16W
R420	1-218-961-11	RES-CHIP	4.7K 5% 1/16W	R519	1-218-953-11	RES-CHIP	1K 5% 1/16W
R421	1-218-977-11	RES-CHIP	100K 5% 1/16W	R520	1-218-949-11	RES-CHIP	470 5% 1/16W
R422	1-218-989-11	RES-CHIP	1M 5% 1/16W	R521	1-218-990-11	SHORT CHIP	0
R423	1-218-981-11	RES-CHIP	220K 5% 1/16W	R522	1-218-990-11	SHORT CHIP	0
R424	1-218-985-11	RES-CHIP	470K 5% 1/16W	R524	1-218-945-11	RES-CHIP	220 5% 1/16W
R425	1-218-957-11	RES-CHIP	2.2K 5% 1/16W	R525	1-216-864-11	SHORT CHIP	0
				R526	1-216-864-11	SHORT CHIP	0
				R561	1-218-981-11	RES-CHIP	220K 5% 1/16W
				R601	1-218-981-11	RES-CHIP	220K 5% 1/16W
				R605	1-218-953-11	RES-CHIP	1K 5% 1/16W
				R608	1-218-446-11	METAL CHIP	1 5% 1/10W



Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R609	1-218-977-11	RES-CHIP	100K	5%	1/16W	R711	1-218-965-11	RES-CHIP	10K	5%	1/16W
R612	1-220-804-11	RES-CHIP	2.2M	5%	1/16W	R712	1-218-990-11	SHORT CHIP	0		
R616	1-218-953-11	RES-CHIP	1K	5%	1/16W	R713	1-218-953-11	RES-CHIP	1K	5%	1/16W
R617	1-218-953-11	RES-CHIP	1K	5%	1/16W	R801	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R618	1-218-977-11	RES-CHIP	100K	5%	1/16W	R802	1-218-990-11	SHORT CHIP	0		
R619	1-218-977-11	RES-CHIP	100K	5%	1/16W	R804	1-218-933-11	RES-CHIP	22	5%	1/16W
R620	1-218-990-11	SHORT CHIP	0			R805	1-218-933-11	RES-CHIP	22	5%	1/16W
R621	1-218-990-11	SHORT CHIP	0			R806	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R622	1-218-990-11	SHORT CHIP	0			R807	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R623	1-218-990-11	SHORT CHIP	0			R808	1-218-961-11	RES-CHIP	4.7K	5%	1/16W
R624	1-218-985-11	RES-CHIP	470K	5%	1/16W	R809	1-218-990-11	SHORT CHIP	0		
R625	1-218-985-11	RES-CHIP	470K	5%	1/16W	R811	1-218-965-11	RES-CHIP	10K	5%	1/16W
R628	1-218-933-11	RES-CHIP	22	5%	1/16W	R812	1-218-977-11	RES-CHIP	100K	5%	1/16W
R629	1-220-804-11	RES-CHIP	2.2M	5%	1/16W	R813	1-218-945-11	RES-CHIP	220	5%	1/16W
R635	1-216-864-11	SHORT CHIP	0			R815	1-218-981-11	RES-CHIP	220K	5%	1/16W
R636	1-218-985-11	RES-CHIP	470K	5%	1/16W	R817	1-218-953-11	RES-CHIP	1K	5%	1/16W
R638	1-218-981-11	RES-CHIP	220K	5%	1/16W	R818	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R639	1-218-989-11	RES-CHIP	1M	5%	1/16W	R819	1-218-953-11	RES-CHIP	1K	5%	1/16W
R640	1-218-981-11	RES-CHIP	220K	5%	1/16W	R820	1-218-945-11	RES-CHIP	220	5%	1/16W
R641	1-218-989-11	RES-CHIP	1M	5%	1/16W	R821	1-220-804-11	RES-CHIP	2.2M	5%	1/16W
R642	1-218-977-11	RES-CHIP	100K	5%	1/16W	R822	1-218-989-11	RES-CHIP	1M	5%	1/16W
R643	1-218-990-11	SHORT CHIP	0			R823	1-218-965-11	RES-CHIP	10K	5%	1/16W
R645	1-218-985-11	RES-CHIP	470K	5%	1/16W	R824	1-218-990-11	SHORT CHIP	0		
R646	1-218-973-11	RES-CHIP	47K	5%	1/16W	R825	1-218-990-11	SHORT CHIP	0		
R647	1-218-989-11	RES-CHIP	1M	5%	1/16W	R826	1-218-990-11	SHORT CHIP	0		
R648	1-245-456-21	METAL CHIP	1	1%	1/5W	R827	1-218-941-11	RES-CHIP	100	5%	1/16W
R649	1-245-456-21	METAL CHIP	1	1%	1/5W	R829	1-218-990-11	SHORT CHIP	0		
R650	1-216-793-11	METAL CHIP	4.7	5%	1/10W	R832	1-218-965-11	RES-CHIP	10K	5%	1/16W
R652	1-218-990-11	SHORT CHIP	0			R833	1-218-990-11	SHORT CHIP	0		
R653	1-218-969-11	RES-CHIP	22K	5%	1/16W	R837	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R654	1-218-989-11	RES-CHIP	1M	5%	1/16W	R839	1-218-990-11	SHORT CHIP	0		
R657	1-218-990-11	SHORT CHIP	0			R840	1-218-990-11	SHORT CHIP	0		
R659	1-218-977-11	RES-CHIP	100K	5%	1/16W	R841	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R660	1-218-985-11	RES-CHIP	470K	5%	1/16W	R842	1-218-973-11	RES-CHIP	47K	5%	1/16W
R661	1-218-985-11	RES-CHIP	470K	5%	1/16W	R843	1-218-957-11	RES-CHIP	2.2K	5%	1/16W
R662	1-218-985-11	RES-CHIP	470K	5%	1/16W	R844	1-218-990-11	SHORT CHIP	0		
R663	1-218-981-11	RES-CHIP	220K	5%	1/16W	R845	1-216-864-11	SHORT CHIP	0		
R664	1-216-789-11	METAL CHIP	2.2	5%	1/10W	R855	1-218-990-11	SHORT CHIP	0		
R665	1-218-990-11	SHORT CHIP	0			R856	1-218-990-11	SHORT CHIP	0		
R668	1-216-864-11	SHORT CHIP	0			R857	1-218-985-11	RES-CHIP	470K	5%	1/16W
R670	1-218-990-11	SHORT CHIP	0			R858	1-208-927-11	METAL CHIP	47K	0.5%	1/16W
R671	1-218-990-11	SHORT CHIP	0			R860	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R673	1-218-990-11	SHORT CHIP	0			R861	1-218-990-11	SHORT CHIP	0		
R675	1-220-804-11	RES-CHIP	2.2M	5%	1/16W	R862	1-218-989-11	RES-CHIP	1M	5%	1/16W
R677	1-216-864-11	SHORT CHIP	0			R863	1-218-990-11	SHORT CHIP	0		
R679	1-218-945-11	RES-CHIP	220	5%	1/16W	R864	1-218-945-11	RES-CHIP	220	5%	1/16W
R680	1-216-864-11	SHORT CHIP	0			R865	1-218-985-11	RES-CHIP	470K	5%	1/16W
R681	1-218-989-11	RES-CHIP	1M	5%	1/16W	R866	1-218-990-11	SHORT CHIP	0		
R682	1-218-989-11	RES-CHIP	1M	5%	1/16W	R867	1-218-989-11	RES-CHIP	1M	5%	1/16W
R683	1-218-989-11	RES-CHIP	1M	5%	1/16W	R868	1-218-990-11	SHORT CHIP	0		
R684	1-218-965-11	RES-CHIP	10K	5%	1/16W	R869	1-218-990-11	SHORT CHIP	0		
R685	1-218-965-11	RES-CHIP	10K	5%	1/16W	R871	1-218-965-11	RES-CHIP	10K	5%	1/16W
R706	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R876	1-218-990-11	SHORT CHIP	0		
R707	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R878	1-218-937-11	RES-CHIP	47	5%	1/16W
R708	1-218-957-11	RES-CHIP	2.2K	5%	1/16W	R879	1-218-937-11	RES-CHIP	47	5%	1/16W
R709	1-218-965-11	RES-CHIP	10K	5%	1/16W	R880	1-218-937-11	RES-CHIP	47	5%	1/16W
R710	1-218-965-11	RES-CHIP	10K	5%	1/16W	R888	1-218-981-11	RES-CHIP	220K	5%	1/16W
						R894	1-218-977-11	RES-CHIP	100K	5%	1/16W

# MZ-NH600

<b>MAIN</b>
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Ref. No.	Part No.	Description	Remark
R895	1-218-977-11	RES-CHIP 100K 5%	1/16W
R897	1-218-990-11	SHORT CHIP 0	
R903	1-218-989-11	RES-CHIP 1M 5%	1/16W
R904	1-218-989-11	RES-CHIP 1M 5%	1/16W
R906	1-218-973-11	RES-CHIP 47K 5%	1/16W
R907	1-218-965-11	RES-CHIP 10K 5%	1/16W
R908	1-218-969-11	RES-CHIP 22K 5%	1/16W
R910	1-218-969-11	RES-CHIP 22K 5%	1/16W
R912	1-218-981-11	RES-CHIP 220K 5%	1/16W
R914	1-208-707-11	METAL CHIP 10K 0.5%	1/16W
R917	1-218-981-11	RES-CHIP 220K 5%	1/16W
R918	1-218-985-11	RES-CHIP 470K 5%	1/16W
R920	1-218-985-11	RES-CHIP 470K 5%	1/16W
R922	1-218-977-11	RES-CHIP 100K 5%	1/16W
R924	1-218-985-11	RES-CHIP 470K 5%	1/16W
R925	1-208-927-11	METAL CHIP 47K 0.5%	1/16W
R926	1-208-935-11	METAL CHIP 100K 0.5%	1/16W
R927	1-208-683-11	METAL CHIP 1K 0.5%	1/16W
R929	1-208-935-11	METAL CHIP 100K 0.5%	1/16W
R930	1-208-927-11	METAL CHIP 47K 0.5%	1/16W
R931	1-218-990-11	SHORT CHIP 0	
R933	1-208-943-11	METAL CHIP 220K 0.5%	1/16W
R934	1-208-715-11	METAL CHIP 22K 0.5%	1/16W
R935	1-208-935-11	METAL CHIP 100K 0.5%	1/16W
R936	1-208-927-11	METAL CHIP 47K 0.5%	1/16W
R937	1-208-715-11	METAL CHIP 22K 0.5%	1/16W
R938	1-208-927-11	METAL CHIP 47K 0.5%	1/16W
R951	1-218-990-11	SHORT CHIP 0	
R952	1-218-990-11	SHORT CHIP 0	
R953	1-220-803-81	RES-CHIP 4.7 5%	1/16W
R954	1-218-985-11	RES-CHIP 470K 5%	1/16W
R955	1-218-957-11	RES-CHIP 2.2K 5%	1/16W
R958	1-218-973-11	RES-CHIP 47K 5%	1/16W
R959	1-218-985-11	RES-CHIP 470K 5%	1/16W
R960	1-218-990-11	SHORT CHIP 0	
R964	1-218-977-11	RES-CHIP 100K 5%	1/16W
< SWITCH >			
S892	1-771-339-41	SWITCH, PUSH (HALF LOCK)	
S893	1-762-805-21	SWITCH, PUSH (1 KEY) (OPEN/COLSE DETECT)	
S894	1-786-703-21	SWITCH, PUSH (2 KEY) (PROTECT DETECT, HI-MD PROTECT DETECT)	
< THERMISTOR (POSITIVE) >			
THP401	1-805-580-11	THERMISTOR, POSITIVE	
< VIBRATOR >			
X801	1-813-353-21	VIBRATOR, CERAMIC (48MHz)	
X802	1-813-314-11	VIBRATOR, CRYSTAL (22.5792MHz)	

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS *****	
△ 163	X-2021-785-1	OP SERVICE ASSY (ABX-U) (including HR601(OVER WRITE HEAD))	
M701	8-835-782-12	MOTOR, DC SSM18D/C-NP (SPINDLE)	
M702	1-787-143-11	MOTOR, DC (SLED)	
M703	1-477-519-21	MOTOR UNIT, DC (OVER WRITE HEAD UP/DOWN)	
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<p>The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.</p>
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Ref. No.	Part No.	Description	Remark
		ACCESSORIES *****	
	1-478-425-61	ADAPTOR, AC (AC-ES3010K) (Optional accessories) (Singapore only)	
	1-478-428-41	ADAPTOR, AC (AC-ES3010K) (Optional accessories) (Australian, New Zealand only)	
	3-266-466-11	MANUAL, INSTRUCTION (ENGLISH)	
	3-266-466-21	MANUAL, INSTRUCTION (FRENCH) (AEP)	
	3-266-466-31	MANUAL, INSTRUCTION (GERMAN) (AEP)	
	3-266-466-41	MANUAL, INSTRUCTION (SPANISH) (AEP)	
	3-266-466-51	MANUAL, INSTRUCTION (DUTCH) (AEP)	
	3-266-466-61	MANUAL, INSTRUCTION (SWEDISH) (AEP)	
	3-266-466-71	MANUAL, INSTRUCTION (ITALIAN) (AEP)	
	3-266-466-81	MANUAL, INSTRUCTION (PORTUGUESE) (AEP)	
	3-266-466-91	MANUAL, INSTRUCTION (FINNISH) (AEP)	
	3-266-468-11	MANUAL, INSTRUCTION (CZECH) (EE)	
	3-266-468-21	MANUAL, INSTRUCTION (HUNGARIAN) (EE)	
	3-266-468-31	MANUAL, INSTRUCTION (POLISH) (EE)	
	3-266-468-41	MANUAL, INSTRUCTION (SLOVAKIAN) (EE)	
	3-266-468-51	MANUAL, INSTRUCTION (RUSSIAN) (EE)	
	3-266-468-61	MANUAL, INSTRUCTION (TRADITIONAL CHINESE) (E)	
	X-2022-248-1	CD-ROM (APPLICATION) ASSY (Sonic Stage Ver. 2.0/MD Simple Burner Ver. 2.0) (EXCEPT E)	
	X-2022-249-1	CD-ROM (APPLICATION) ASSY (Sonic Stage Ver. 2.0/MD Simple Burner Ver. 2.0) (E)	
501	8-954-008-92	RECEIVER, EAR MDR-E808LP/C SET	
502	1-823-519-61	CORD, CONNECTION (DEDICATED USB CABLE)	
503	1-543-798-31	FILTER, CLAMP (FERRITE CORE) (LARGE) (for DEDICATED USB CABLE)	
504	1-543-793-31	FILTER, CLAMP (FERRITE CORE) (SMALL) (for EAR RECEIVER, AC POWER ADAPTOR (Optional accessories))	

