

# harman/kardon

## CDR25

## CDR26

### Dual Tray CD-R/CD-RW Recorder/Player

## PRELIMINARY SERVICE MANUAL



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# CDR 26 TECHNICAL SPECIFICATIONS

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## Signal Format

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Playback Sampling Frequency | 44.1kHz                                 |
| D/A Conversion              | 96kHz, Multi-Bit Delta-Sigma Conversion |
| Oversampling                | 128 Times                               |

## Playback Specifications

|                        |                         |
|------------------------|-------------------------|
| Frequency Response     | 2Hz – 20,050Hz          |
| Playback S/N           | 100dB                   |
| Playback Dynamic Range | 95dB                    |
| Playback THD           | 0.01%/0dB               |
| Analog Audio Output    | 2V RMS, $\pm 2$ dB      |
| Digital-Coaxial Output | 0.5Vpp/75 $\Omega$      |
| Headphone Output       | 1V RMS/32 $\Omega$ Load |

## Record Specifications

|                                        |                              |
|----------------------------------------|------------------------------|
| Digital Input Sample Rates             | 32kHz – 96kHz                |
| Recording S/N: Analog                  | 80dB                         |
| Recording S/N: Digital Dub Mode        | Equal to Source              |
| Recording S/N: Digital External Source | Source –10dB                 |
| Recording Dynamic Range                | 90dB                         |
| Recording THD                          | 0.01%/0dB                    |
| Analog Input Sensitivity               | 330mV RMS 47k $\Omega$ = 0dB |
| Digital Inputs (Direct Recording)      | 44.1kHz, $\pm 100$ ppm/min.  |

## General

|                   |                     |
|-------------------|---------------------|
| Power Requirement | 110~240 VAC/50~60Hz |
| Power Consumption | 20 Watts            |
| Dimensions        |                     |
| Width             | 17-5/16"/440mm      |
| Height            | 4-7/16"/112mm       |
| Depth             | 13-15/16"/355mm     |
| Weight            | 13 lb/5.8kg         |

Depth measurement includes knobs, buttons and connection jacks.

Height measurement includes feet and chassis.

All features and specifications are subject to change without notice.

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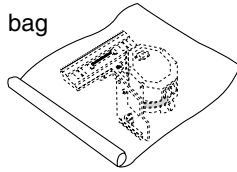
# SERVICING PRECAUTIONS

## NOTES REGARDING HANDLING OF THE PICK-UP

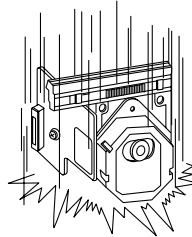
### 1. Notes for transport and storage

- 1) The pick-up should always be left in its conductive bag until immediately prior to use.
- 2) The pick-up should never be subjected to external pressure or impact.

Storage in conductive bag

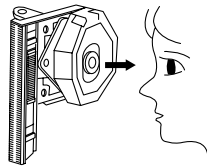


Drop impact



### 2. Repair notes

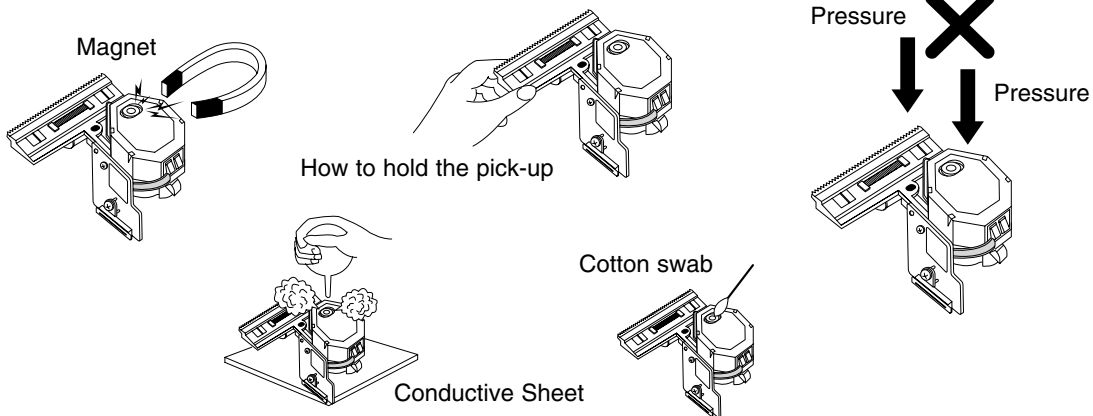
- 1) The pick-up incorporates a strong magnet, and so should never be brought close to magnetic materials.
- 2) The pick-up should always be handled correctly and carefully, taking care to avoid external pressure and impact. If it is subjected to strong pressure or impact, the result may be an operational malfunction and/or damage to the printed-circuit board.
- 3) Each and every pick-up is already individually adjusted to a high degree of precision, and for that reason the adjustment point and installation screws should absolutely never be touched.
- 4) Laser beams may damage the eyes!  
Absolutely never permit laser beams to enter the eyes!  
Also NEVER switch ON the power to the laser output part (lens, etc.) of the pick-up if it is damaged.



NEVER look directly at the laser beam, and don't let contact fingers or other exposed skin.

#### 5) Cleaning the lens surface

If there is dust on the lens surface, the dust should be cleaned away by using an air bush (such as used for camera lens). The lens is held by a delicate spring. When cleaning the lens surface, therefore, a cotton swab should be used, taking care not to distort this.



#### 6) Never attempt to disassemble the pick-up.

Spring by excess pressure. If the lens is extremely dirty, apply isopropyl alcohol to the cotton swab. (Do not use any other liquid cleaners, because they will damage the lens.) Take care not to use too much of this alcohol on the swab, and do not allow the alcohol to get inside the pick-up.

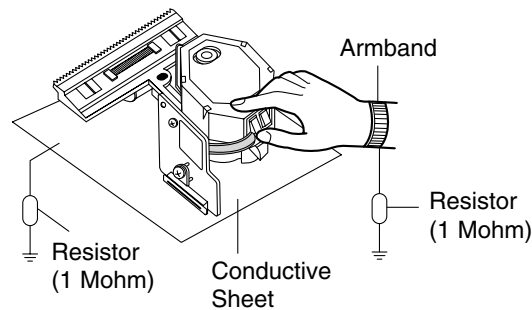
# NOTES REGARDING COMPACT DISC PLAYER REPAIRS

## 1. Preparations

- 1) Compact disc players incorporate a great many ICs as well as the pick-up (laser diode). These components are sensitive to, and easily affected by, static electricity. If such static electricity is high voltage, components can be damaged, and for that reason components should be handled with care.
- 2) The pick-up is composed of many optical components and other high-precision components. Care must be taken, therefore, to avoid repair or storage where the temperature of humidity is high, where strong magnetism is present, or where there is excessive dust.

## 2. Notes for repair

- 1) Before replacing a component part, first disconnect the power supply lead wire from the unit
- 2) All equipment, measuring instruments and tools must be grounded.
- 3) The workbench should be covered with a conductive sheet and grounded.  
When removing the laser pick-up from its conductive bag, do not place the pick-up on the bag. (This is because there is the possibility of damage by static electricity.)
- 4) To prevent AC leakage, the metal part of the soldering iron should be grounded.
- 5) Workers should be grounded by an armband (1M $\Omega$ )
- 6) Care should be taken not to permit the laser pick-up to come in contact with clothing, in order to prevent static electricity changes in the clothing to escape from the armband.
- 7) The laser beam from the pick-up should NEVER be directly facing the eyes or bare skin.



# ESD PRECAUTIONS

## Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive Devices (ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ESD devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ESD devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.
6. Do not remove a replacement ESD device from its protective package until immediately before you are ready to install it. (Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).
7. Immediately before removing the protective material from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

**CAUTION : BE SURE NO POWER IS APPLIED TO THE CHASSIS OR CIRCUIT, AND OBSERVE ALL OTHER SAFETY PRECAUTIONS.**

8. Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

## CDR 26 SPECIAL NOTICE

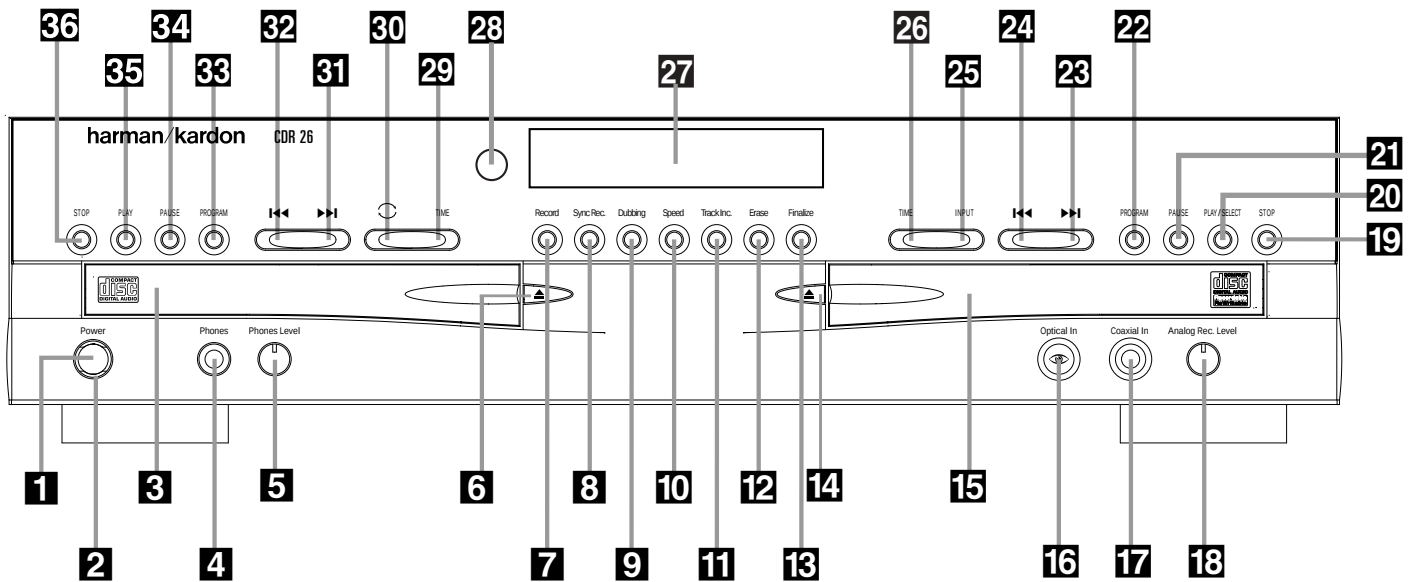
Under certain circumstances, the CDR 26 may operate differently than the description in the owner's manual.

**In particular, the unit will not be able to make a digital recording from an external source such as a CD player, DVD player or MiniDisc (MD) player (as shown on page 20 of the owner's manual) when that player blocks a special electrical signal, called "Sub-Q," from the digital output. This signal contains some of the data needed to tell the CDR 26 that the original disc has started playing, and without it the CDR 26 cannot begin a recording.**

This is outside of our control, as some manufacturers design products this way to prevent digital copies from being made. Should you find that a digital recording cannot be made from an external playback source, you may always use an analog connection to make the copy by pressing the Input Select Button on the front panel or remote control until *ANALOG* appears in the Information Display.

This does not affect the CDR 26's ability to make high-speed dubs using the unit's own internal playback deck, and in many cases you will not encounter this problem at all, since it is related to the brand of playback deck being used.

# FRONT-PANEL CONTROLS



- 1** Power Switch
- 2** Status Mode Indicator
- 3** Play Deck
- 4** Headphone Jack
- 5** Headphone Level Control
- 6** Play-Deck Open
- 7** Record Button
- 8** Synchronous Recording (CD Sync) Button
- 9** Dubbing
- 10** Speed
- 11** Track Increment
- 12** Erase

- 13** Finalize
- 14** Record-Deck Open
- 15** Record Deck
- 16** Optical Digital Input
- 17** Coaxial Digital Input
- 18** Analog-Record Level Control
- 19** Record-Deck Stop
- 20** Record-Deck Play/Select
- 21** Record-Deck Pause
- 22** Record-Deck Program Button
- 23** Record-Deck Next
- 24** Record-Deck Previous

- 25** Input Select
- 26** Record-Deck Time Display Select
- 27** Information Display
- 28** Remote Sensor
- 29** Play-Deck Time Display Select
- 30** Continuous Play
- 31** Play-Deck Next
- 32** Play-Deck Previous
- 33** Play-Deck Program Button
- 34** Play-Deck Pause
- 35** Play-Deck Play
- 36** Play-Deck Stop

**1** Power Switch: Press this switch to apply power to the CDR 26. When the unit is first turned on, the Status Mode Indicator **2** surrounding the switch will turn green. Once the unit has been turned on with this switch, it may be operated from either the front panel or remote control. Press the switch again to turn the unit completely off.

**2** Status Mode Indicator: When the CDR 26 is in the ON mode, this indicator will glow green. When the unit has been placed in the Standby mode by pressing the Power-Off Button **30** on the remote, the indicator will glow amber, indicating that the unit is still connected to the AC main supply and is ready to be turned on from the remote control.

**3** Play Deck: This disc deck is used to play back conventional CD discs and CD-R or CD-RW discs that have been finalized.

**4** Headphone Jack: Connect standard headphones to this jack for private listening.

**5** Headphone Level Control: Turn this control to adjust the volume level to the headphones. Note that the use of this control will not change the analog output levels at the rear-panel audio output **1**.

**6** Play-Deck Open: Press this button to open the Play Deck **3**.

**7** Record Button: Press this button to begin the recording process. See pages 19–22 for more information on CD recording.

**8** Synchronous Recording (CD Sync) Button: Press this button once to begin an automated recording of a single track from an external CD player when a digital connection is used. Press it twice to begin automated recording of an entire disc. See page 20 for more information on CD Sync recording.

**9** Dubbing: Press this button to begin the process of making a complete copy of the disc in the Play Deck **3** to a CD-R or CD-RW disc in the Record Deck **15**. See page 19 for more information on dubbing.

**10** Speed: Press this button to select the recording speed for internal dubs. See page 19 for more information on selecting the proper speed.

**11** Track Increment: Press this button during recording to insert a new track marker at that point in the recording. The current track number will be incremented by one.

**12** Erase: Press this button to erase one or more tracks or the entire contents of an unfinalized CD-RW disc. When a CD-RW disc has already been finalized you may erase the entire disc or you may “unfinalize” the disc by erasing the **TOC** data. See page 21 for more information on erasing CD-RW discs.

**13** Finalize: Press this button when a recording is complete to initiate the finalization process. The Play/Select Button **20** must be pressed within three seconds to activate finalization. Until this button is pressed and the finalization process is complete, CD-R discs may not be played on conventional CD machines. See page 21 for more information on finalization.

# FRONT - PANEL CONTROLS

**14** Record-Deck Open: Press this button to open the Record Deck **15**.

**15** Record Deck: This disc deck is used to record or play back CD, CD-R and CD-RW discs.

**16** Optical Digital Input: This optical digital input may be used to connect a portable digital audio player to the CDR 26 for digital recording. Remove the dust cap before connecting a cable to this jack. Keep the dust cap in a safe place and replace it when the cable is disconnected in order to prevent the possibility of dust getting into the jack and damaging it.

**17** Coaxial Digital Input: This coaxial digital input may be used to connect a portable digital audio player to the CDR 26 for digital recording.

**18** Analog-Record Level Control: The control is used to adjust the input level when making recordings from analog sources such as cassettes, or when CDs are recorded in an analog mode. See page 21 for more information on record levels.

**19** Record-Deck Stop: Press this button to stop the CD in the Record Deck.

**20** Record-Deck Play/Select: This button has two functions. It may be pressed when a standard CD is in the Record Deck to put the machine in play, or it may be used to enter a selection or start certain record functions.

**21** Record-Deck Pause: When the Record Deck is in the Play mode, pressing this button will pause the disc. If the disc has previously been paused, pressing this button will restart the playback.

**22** Record-Deck Program Button: Press this button to begin the programming sequence for the Record Deck. See page 18 for more information on programming playlists on the CDR 26.

**23** Record-Deck Next: When a disc is playing in the Record Deck **15**, press and hold this button to play the disc in a fast-forward mode to quickly locate a desired passage. At any time, tapping the button and quickly releasing it will move to the next track on a disc in play.

**24** Record Deck Previous: This button has two functions. When a disc is playing in the Record Deck **15**, press and hold this button to play the disc in a fast reverse mode to quickly locate a desired passage. At any time, tapping the button and quickly releasing it will move to the beginning of the current track, and the next press will move to the previous track. When a

disc is stopped, each press will move back one for programming or play when the disc is stopped. Once a track is entered, it may be played by simply pressing the Play Button **20 10**.

**25** Input Select: Press this button to select the input source (analog or digital) for recording. See page 20 for more information on input selection.

**26** Record-Deck Time Display Select: Press this button to cycle through the time display options for the Record Deck. See page 17 for more information on the time display.

**27** Information Display: The indicators in the Information Display provide status reports on the operation of the CDR 26. See page 7 for complete explanations of each indicator.

**28** Remote Sensor: The IR sensor that receives the commands from the remote control is behind this area. Do not cover or obscure this part of the front panel, to avoid any malfunction with the remote.

**29** Play-Deck Time Display Select: Press this button to cycle through the time display options for the Play Deck. See page 17 for more information on the time display.

**30** Continuous Play Button: Press this button to place the CDR 26 in Continuous Play mode, which causes it to alternate play between the discs in each deck continuously, so long as the next deck to be played contains a disc and play has not been stopped. To return to the default Single Play mode, in which play stops after the disc in the selected deck has played once, press this button again.

**31** Play-Deck Next: When a disc is playing in the Play Deck **3**, press and hold this button to play the disc in a fast-forward mode to quickly locate a desired passage. At any time, tapping the button and quickly releasing it will move to the next track on a disc in play.

**32** Play-Deck Previous: This button has two functions. When a disc is playing in the Play Deck **3**, press and hold this button to play the disc in a fast-reverse mode to quickly locate a desired passage. At any time, tapping the button and quickly releasing it will move to the beginning of the current track, and the next press will move to the previous track. When a disc is stopped, each press will move back one track for programming or play when the disc is stopped. Once a track is entered, it may be played by simply pressing the Play Button **35 10**.

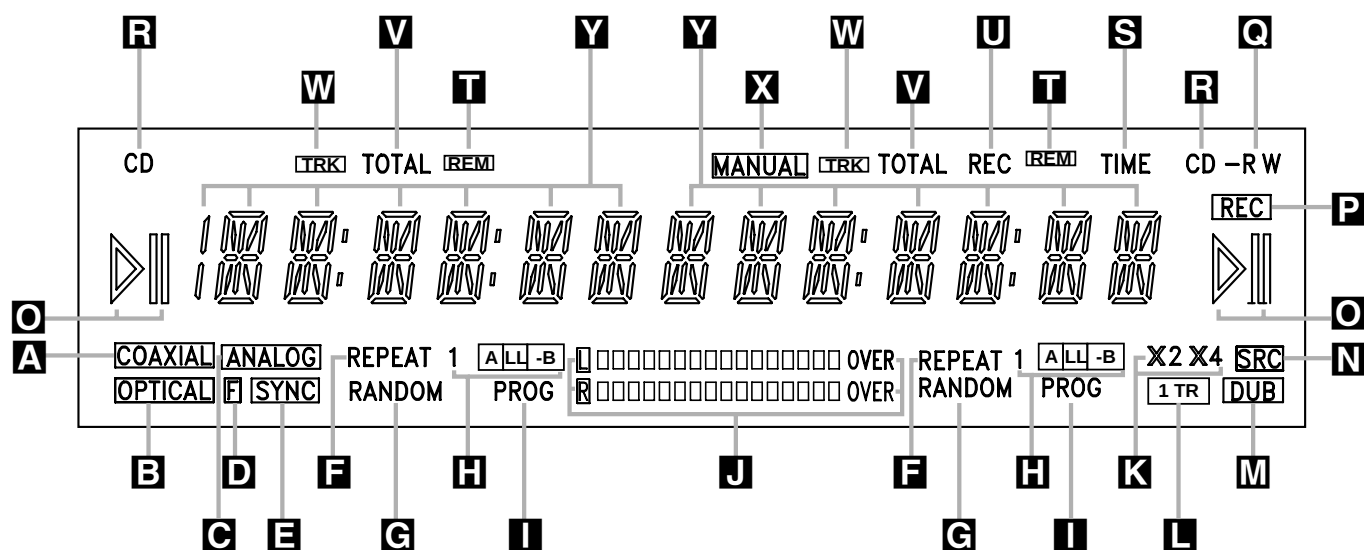
**33** Play-Deck Program Button: Press this button to begin the programming sequence for the Play Deck. See page 18 for more information on programming playlists on the CDR 26.

**34** Play-Deck Pause: When the Play Deck is running, pressing this button will pause the disc. If the disc has previously been paused, pressing this button will restart the playback.

**35** Play-Deck Play: Press this button to begin playback of a CD in the Play Deck or the dubbing process.

**36** Play-Deck Stop: Press this button to stop the CD in the Play Deck.

# FRONT-PANEL INFORMATION DISPLAY



- |                                      |                                           |                                    |
|--------------------------------------|-------------------------------------------|------------------------------------|
| <b>A</b> Coaxial Digital Indicator   | <b>J</b> Level Indicators                 | <b>S</b> Time Indicators           |
| <b>B</b> Optical Digital Indicator   | <b>K</b> Speed Indicators                 | <b>T</b> Remaining Time Indicators |
| <b>C</b> Analog Indicator            | <b>L</b> 1-Track Dubbing Indicator        | <b>U</b> Recorded Time Indicator   |
| <b>D</b> Front-Panel Input Indicator | <b>M</b> Dubbing Indicator                | <b>V</b> Total Time Indicators     |
| <b>E</b> Sync Indicator              | <b>N</b> Sample-Rate Conversion Indicator | <b>W</b> Track Time Indicators     |
| <b>F</b> Repeat Indicators           | <b>O</b> Play/Pause Indicators            | <b>X</b> Manual Indicator          |
| <b>G</b> Random Indicators           | <b>P</b> Record Indicator                 | <b>Y</b> Information Displays      |
| <b>H</b> Repeat Status Indicators    | <b>Q</b> R/RW Indicator                   |                                    |
| <b>I</b> Program Indicators          | <b>R</b> CD Indicators                    |                                    |

**Important Note:** Since the CDR 26 is a dual-deck player/recorder, there are two separate sets of indicators for the Random, Program, Repeat, Repeat Status, Time, Total Time, Remaining Time and Track Time. In addition, there is a separate Information Display, Play/Pause Indicator and CD Indicator for each deck. As the function of these indicators is identical for both decks, they are described in this manual with a common letter. When the CDR 26 is playing or recording a disc, any indicators that light on the left side of the display describe the status of the Play Deck, while those that light on the right side of the display describe the status of the Record Deck. Depending on the activity of the unit and the settings you select, different indicators may light on the two sides at the same time.

**A** Coaxial Digital Indicator: This indicator lights when a digital source is being recorded. See page 20 for more information on source selection.

**B** Optical Digital Indicator: This indicator lights when a digital source connected to one of the optical inputs is being recorded. See page 20 for more information on source selection.

**C** Analog Indicator: This indicator lights when an analog source is being recorded. See page 20 for more information on source selection.

**D** Front-Panel Input Indicator: This indicator lights in conjunction with the Coaxial Digital Indicator **A** or the Optical Digital Indicator **B** when either the front-panel coaxial or optical input has been selected. See page 20 for more information on selecting an external source.

**E** Sync Indicator: This indicator lights when the unit has been programmed for a CD Sync recording. See page 20 for more information on CD Sync recordings.

**F** Repeat Indicators: These indicators light when a repeat function is being used. See page 18 for more information on repeat play.

**G** Random Indicators: These indicators light when random playback has been programmed for one of the CD decks. See page 16 for more information on random play.

**H** Repeat Status Indicators: These indicators display the type of repeat function being used. See page 18 for more information on repeat status.

**I** Program Indicators: These indicators light when one of the CD decks is being programmed for playback options. See page 18 for more information on programmed play.

**J** Level Indicators: These LEDs display the input level during an analog recording, and the output level during playback. See page 21 for more information on record levels.

**K** Speed Indicators: These indicators show which record speed has been selected for dub recordings. See page 19 for more information on record-speed selection.

**L** 1-Track Dubbing Indicator: This indicator lights when a single track is being dubbed by itself, as opposed to the entire disc or a programmed playlist. See page 19 for more information on dubbing.

**M** Dubbing Indicator: This indicator lights when a dub is in progress between the two CD decks. See page 19 for more information on CD dubbing.

# FRONT-PANEL INFORMATION DISPLAY

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**N** Sample-Rate Conversion Indicator: This indicator lights when the Sample-Rate Converter is in use to change the digital sample rate when the incoming signal is not the standard 44.1kHz used by standard CDs. This is an automatic function and does not require any user intervention.

**O** Play/Pause Indicators: These indicators show the status of the individual CD decks. The ► lights when the CD is playing, and the ►|| lights when the unit is in a Pause mode.

**P** Record Indicator: This indicator lights while the unit is making a recording and flashes during the preparations for recording.

**Q** R/RW Indicator: This indicator shows which type of recordable disc is present in the Record Deck **15**. When a CD-R disc is present, only the R is lit. The RW lights when an erasable CD-RW disc is in use.

**R** CD Indicators: These indicators light when a standard CD is playing in either deck **3** or **15**.

**S** Time Indicators: These indicators light in conjunction with one of the time indicators **TUVW** to show which of the time status modes is active.

**T** Remaining Time Indicators: These indicators light when the Information Display **Y** shows the time remaining on a disc.

**U** Recorded-Time Indicator: While a recording is in progress, and up until a CD-R or CD-RW disc in the Record Deck **15** has been finalized, this indicator will light, and the Information Display **Y** will indicate the total amount of time recorded on the disc thus far.

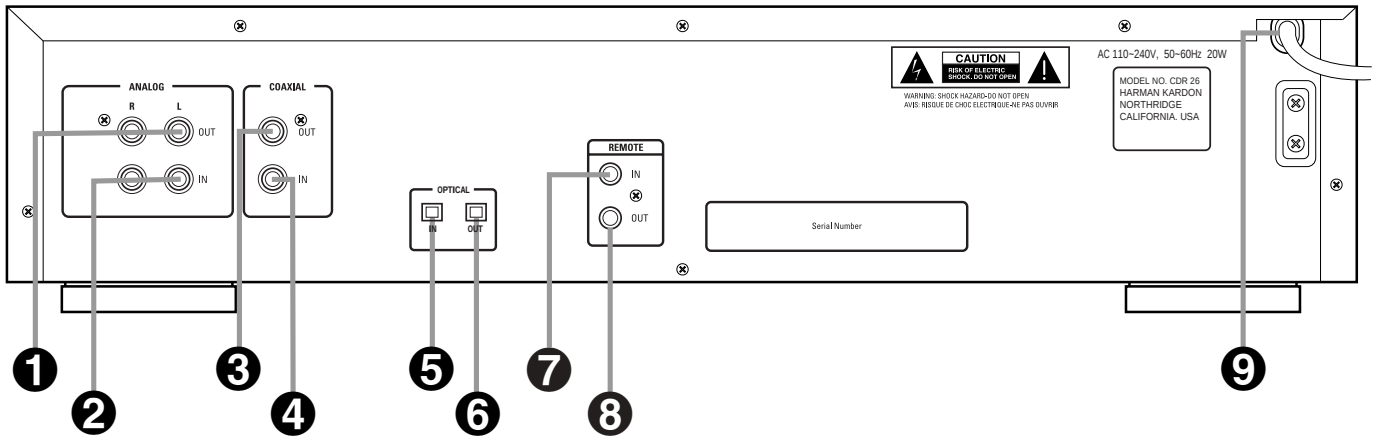
**V** Total Time Indicators: These indicators light when the Information Display **Y** shows the total time of all tracks on a disc.

**W** Track Time Indicators: These indicators light when the Information Display **Y** shows the running time of the individual track being played.

**X** Manual Indicator: This indicator lights when the manual method of incrementing tracks is selected for a recording session. See page 20 for more information on track increments.

**Y** Information Displays: These displays serve two functions, showing the time displays for discs playing, and displaying messages about discs or recordings.

# REAR-PANEL CONNECTIONS



- ❶ Analog Output
- ❷ Analog Input
- ❸ Coaxial-Digital Output

- ❹ Coaxial-Digital Input
- ❺ Optical-Digital Input
- ❻ Optical-Digital Output

- ❼ Remote IR Input
- ❽ Remote IR Output
- ❾ AC Power Cord

**❶ Analog Output:** These jacks carry the analog audio output signal from the deck currently playing. Connect them to the Tape Play/In input jacks on a receiver, preamp or processor.

**❷ Analog Input:** These jacks accept the analog signals that are used for CD recordings. Connect them to the Tape Rec/Play outputs on a receiver, preamp or processor.

**❸ Coaxial-Digital Output:** This jack carries the digital-audio output signal from the deck currently playing. Connect it to a coaxial-digital input on a receiver, processor or digital decoder.

**❹ Coaxial-Digital Input:** This jack accepts the digital-audio input signal from a compatible digital audio product and should be connected directly to a digital player or to a coaxial-digital output on a CD or DVD player or an A/V receiver or processor.

**IMPORTANT NOTE:** The coaxial digital input should only be connected to digital input or output jacks. Even though it uses the same RCA-type connector as standard analog audio connections, DO NOT connect it to conventional analog input or output jacks.

**❺ Optical-Digital Input:** This jack accepts the digital-audio input signal from a compatible digital audio product, and should be connected to the optical-digital output on a CD or DVD player or an A/V receiver or processor.

**❻ Optical-Digital Output:** This jack carries the optical digital output signal from the deck currently playing. Connect it to an optical digital input on a receiver, processor or digital recorder.

**❼ Remote IR Input:** Connect the output of a remote infrared sensor or the remote control output of another compatible Harman Kardon product to this jack. This will enable the remote control to operate even when the front-panel Remote Sensor **28** is blocked. This jack may also be used with compatible IR remote control-based automation systems.

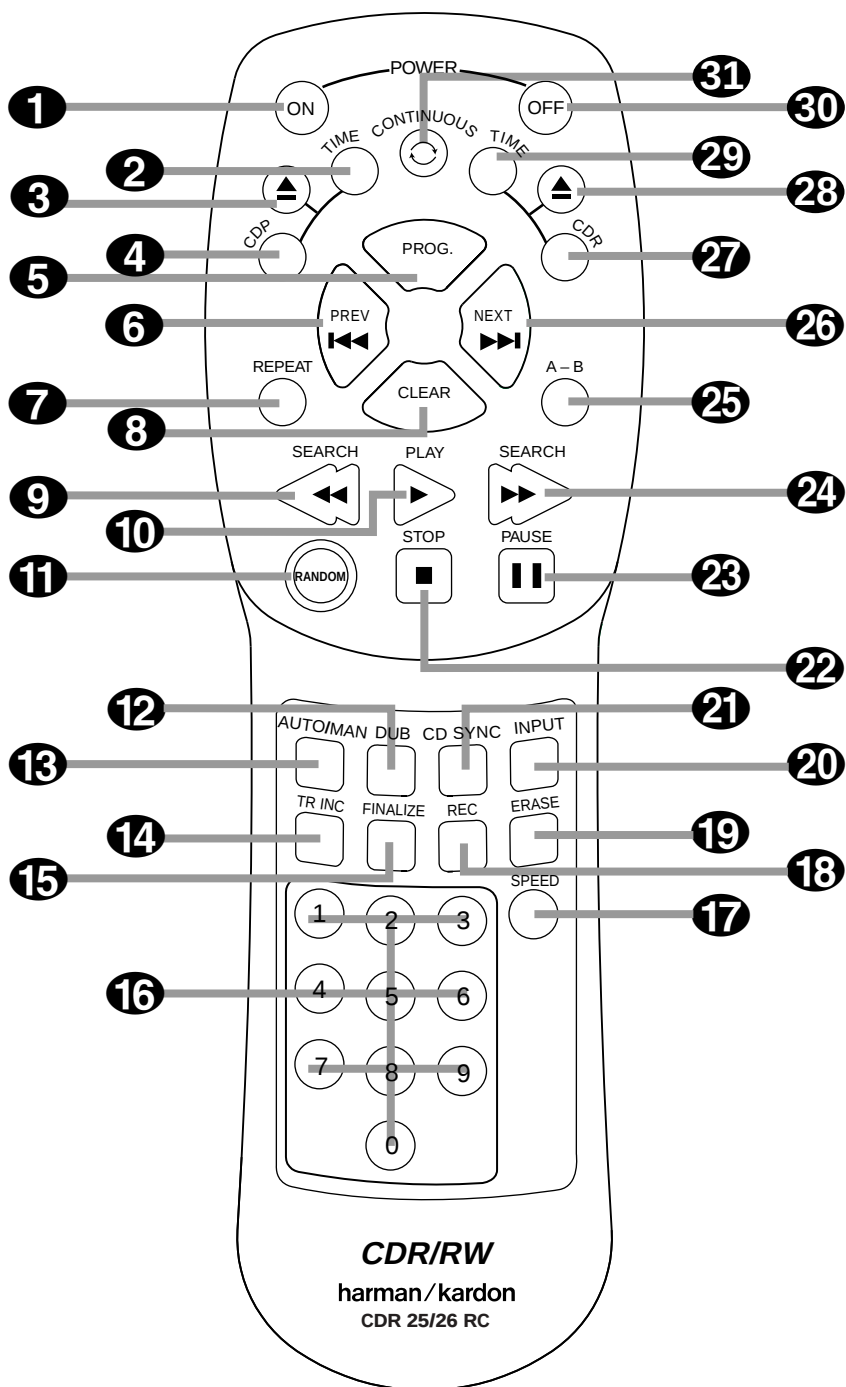
**❽ Remote IR Output:** Connect this jack to the IR input jack of another compatible Harman Kardon remote-controlled product to have the built-in Remote Sensor **28** on the CDR 26 provide IR signals to other compatible products.

**❾ AC Power Cord:** Connect this plug to an AC outlet. If the outlet is switch-controlled, make certain that it is in the ON position.

# REMOTE CONTROL FUNCTIONS

- 1 Power On
- 2 Play Deck (CDP) Time Display Control
- 3 Play Deck (CDP) Open
- 4 Play Deck (CDP) Select
- 5 Program
- 6 Previous-Track Skip
- 7 Repeat
- 8 Clear
- 9 Reverse Search
- 10 Play
- 11 Random Play
- 12 Dub
- 13 Automatic/Manual Track Increment Selector
- 14 Track Increment
- 15 Finalize
- 16 Numeric Keys
- 17 Speed Select
- 18 Record Button
- 19 Erase Button
- 20 Input Select
- 21 CD Sync
- 22 Stop
- 23 Pause
- 24 Forward Search
- 25 A-B Repeat
- 26 Next Track/Skip
- 27 Record Deck (CDR) Select
- 28 Record Deck (CDR) Open
- 29 Record Deck (CDR) Time Display Control
- 30 Power Off
- 31 Continuous Play

**IMPORTANT NOTE:** Some of the remote's functions, including Play, Pause, Stop, Search, Next and Previous Track, are shared between the two decks. Always remember to press the **CDP Select Button** 4 to use the remote to control the Play Deck, or press the **CDR Select Button** 27 to control the Record Deck. When you press one of these buttons, an indication of **CDP** or **CDR** will appear in the appropriate **Information Display Y**.



**1** Power-On Button: Press this button to turn the CDR 26 on. Note that in order for this control to function, the front-panel Power Switch **1** must first be pressed so that the unit is in the Standby mode.

**2** Play Deck (CDP) Time Display Control: Press this button to cycle through the various time display options for the disc in the Play Deck **3**. See page 17 for more information on time-display options.

**3** Play Deck (CDP) Open: Press this button to open the Play Deck **3**.

**4** Play Deck (CDP) Select: Press this button to control or program the functions of the disc in the Play Deck **3**.

**5** Program: Press this button to begin the programming sequence for one of the CD decks. See page 18 for more information on programming playlists on the CDR 26.

**6** Previous-Track Skip: Press this button to skip backwards to the beginning of the track currently being played. Press it a second time to move back to the beginning of each previous track.

**7** Repeat: Press this button once to repeat the current track. To repeat an entire disc, press the button twice.

**8** Clear: Press this button to clear an item in a program sequence. See page 18 for more information.

**9** Reverse Search: Press this button to play the selected disc in reverse to locate a desired passage.

**10** Play: This button has two functions. It will most often be used as a standard play button, but when setting up certain record functions, it is also used as an Enter or Select button.

**11** Random Play: When the CD deck is stopped, press this button to begin random play of all tracks on a disc.

**12** Dub: Press this button to begin a dub. See page 19 for more information on dubbing.

**13** Automatic/Manual Track Increment Selector: Press this button to select between automatic and manual track incrementing during a recording session. See page 20 for more information on track incrementing.

**14** Track Increment: When the Manual mode for track incrementing is selected during recording, press this button to increase the track number. NOTE: This function does not operate during CD Sync or dub recording.

**15** Finalize: Press this button when a recording is complete to initiate the finalization process. The Play/Select Button **20/10** must be pressed within three seconds to activate finalization. Until this button is pressed and the finalization process is complete, CD-R or CD-RW discs may not be played on conventional CD machines. See page 21 for more information on finalization.

**16** Numeric Keys: Press these buttons to access a specific track for playback or during the programming process. See page 18 for more information on programmed playback.

**17** Speed Select: Press this button to select the recording speed for internal dubs. See page 19 for more information on selecting the proper speed.

**18** Record Button: Press this button to begin a manual recording.

**19** Erase Button: Press this button to initiate the erasure of a track or of an entire CD-RW disc or to unfinalize a disc. Erasure is only possible on CD-RW discs. See page 21 for more information on erasing discs.

**20** Input Select: Press this button to select the input source (analog or coaxial- or optical-digital) for recording. See page 20 for more information on input selection.

**21** CD Sync: Press this button once to begin an automated recording of a single track from an external CD player when a digital connection is used. Press it twice to begin automated recording of an entire disc. See page 20 for more information on CD Sync recording.

**22** Stop: Press this button to stop playback or recording.

**23** Pause: Press this button to momentarily pause playback. Press it again to resume playback.

**24** Forward Search: Press this button to play a disc in fast-forward mode.

**25** A-B Repeat: Press this button to specify a segment of a disc for repeat play. See page 18 for more information on repeat play.

**26** Next Track/Skip: Press this button to skip forward to the next track on a disc.

**27** Record Deck (CDR) Select: Press this button to control or program the functions of the disc in the Record Deck **15**.

**28** Record Deck (CDR) Open: Press this button to open the Record Deck **15**.

**29** Record Deck (CDR) Time Display Control: Press this button to cycle through the various time-display options for the disc in the Record Deck **15**. See page 17 for more information on time-display options.

**30** Power Off: Press this button to place the unit in a Standby mode.

**31** Continuous Play Button: Press this button to place the CDR 26 in the Continuous Play mode. In that mode, the unit will play all tracks on the disc in one tray, switch to the second tray and play all tracks, and then continuously alternate between the two discs until the unit is stopped or the button is pressed again to return to the Single Play mode.

# INSTALLATION AND CONNECTIONS

**Important Note:** To prevent possible damage to your speakers or other components in your audio system, we strongly recommend that ALL system components, including the CDR 26, be turned off and unplugged from their AC power source when any connections are made or a new component is installed.

## Placement of the CDR 26

Since the CD transports in the CDR 26 are precision instruments, they are subject to interference from vibration. To minimize the possibility of skipping during playback or recording, it is recommended that the unit be placed on a level, solid, vibration-free surface.

When installing the CDR 26 in a cabinet or tight space, always make certain that there is enough room in front of the unit for the disc drawers to open fully, and that there is enough space above the unit so that discs may easily be inserted in the disc drawers.

In addition to the safety considerations outlined on page 4, it is also recommended that the CDR 26 not be placed in a location that is subject to direct sunlight or extreme heat or cold, as these conditions may damage the discs used in the player, or the player itself. Note that audio amplifiers or high-power receivers, as well as certain other electronic products, may generate significant heat. For that reason, do not place the CDR 26 directly on top of an amplifier, receiver or other heat source. Always allow at least one inch of free space on all sides of the CDR 26, as well as other electronic products, to allow for proper ventilation.

The unit should also be kept away from sources of water or damp conditions.

## Connections to Your Audio System

When connecting the CDR 26, think of the process as if you were connecting a standard tape or cassette recorder, with the addition of the digital connections.

Depending on the capabilities of your receiver, preamp or processor, you may find it convenient to connect the analog inputs and outputs to the jacks marked for a tape recorder. As the CDR 26's functions resemble those of a standard tape recorder, this may make it easier to select it as an input on your receiver or pre-amp. Connect the Analog Output Jacks **1** to the Play/In jacks of a Tape or Aux input on your receiver or preamp. Connect the Analog Input Jacks **2** to the Tape Rec/Out jacks on your receiver or preamp.

To play the output through the digital decoder in your receiver or an external processor, connect the Coaxial-Digital Output Jack **3** or the Optical-Digital Output Jack **6** to the matching digital-input jack on your receiver or processor. You may have to change a setting on the receiver or processor to link the digital input to the "Tape" button or the specific input selector associated with the digital inputs. Consult the owner's manual on your receiver or processor for details, as this configuration may vary from unit to unit.

To make recordings from external digital sources, such as a CD, DVD or MD player, connect the Coaxial-Digital Input Jacks **17****4** or Optical-Digital Input Jacks **16****5** on the CDR 26 to the digital output jacks on your receiver or processor. If your receiver does not have digital-output jacks, you may connect the Coaxial-Digital Input Jacks **17****4** or Optical-Digital Input Jacks **16****5** on the CDR 26 directly to the digital outputs on your CD player or other digital device.

Connections to a portable digital CD or MD player may also be made by connecting the Coax or Optical Digital Output of the player to one of the front-panel Digital Inputs **16****17** on the CDR 26.

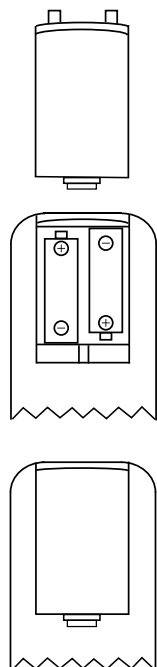
## IMPORTANT NOTE ON DIGITAL CONNECTIONS:

Although digital-coax connections use the same type of "RCA" phono jack as standard analog signals, please take special care to connect digital signals only to digital jacks. In many cases, the digital jacks may be identified by an orange-colored insert ring around the center of the jack. When making digital connections, be sure to use coax-interconnect cables, such as the one supplied with the CDR 26 or cables intended for video applications. Even though they have the correct type of RCA connector, do not use audio-interconnect cables that have twisted-pair construction, as they are not appropriate for digital signal use. If you have any questions about the type of cables to use with the CDR 26, consult your dealer.

# INSTALLATION AND CONNECTIONS

## Batteries

Insert the two AA batteries supplied with the CDR 26's remote by turning the remote over so that the bottom of the remote is facing towards you. Gently lift the plastic tab on the battery cover up and away from you, and lift the lid off. Insert the batteries in the remote, being careful to follow the + and – polarity indications in the bottom of the compartment. Replace the cover by first seating the two small tabs into the mating holes at the top of the remote, and then gently push the cover down until the latch snaps into place with an audible click.



NOTE: When replacing batteries, it is always a good idea to replace both at the same time. When the remote will not be used for an extended period of time, it is also a good idea to remove the batteries to avoid the possibility of damage due to corrosion. Batteries contain chemical substances and we recommend that you dispose of them properly and in compliance with any local regulations.

## IR Remote Connections

If the CDR 26 is installed behind a cabinet or other obstruction that may block the path between the front-panel Remote Sensor **28** and the location where you will use the remote, an optional external IR sensor may be used. Connect the sensor to the Remote IR In Jack **7** on the rear panel. This jack may also be connected to the IR Output jack of another compatible Harman Kardon component or a compatible IR system remote product.

You may also use the IR sensor in the CDR 26 to send commands to other compatible remote products. Connect the Remote IR Out Jack **8** to the input of the other product or system.

## Power Connections

Connect the AC Power Cord **9** to an AC power source. The CDR 26 uses sensitive, high-performance computer-grade CD drives, and to protect them we recommend that you consider the use of a surge protector, just as you would for a computer.

If the rear-panel AC outlet on a receiver or other product is used, make certain that the total power of all products connected does not exceed the maximum rated output of the product containing the outlets. If the CDR 26 is connected to a switched outlet, remember to turn on the outlet or product controlling it in order for the CDR 26 to operate.

# TROUBLESHOOTING GUIDE AND ERROR MESSAGES

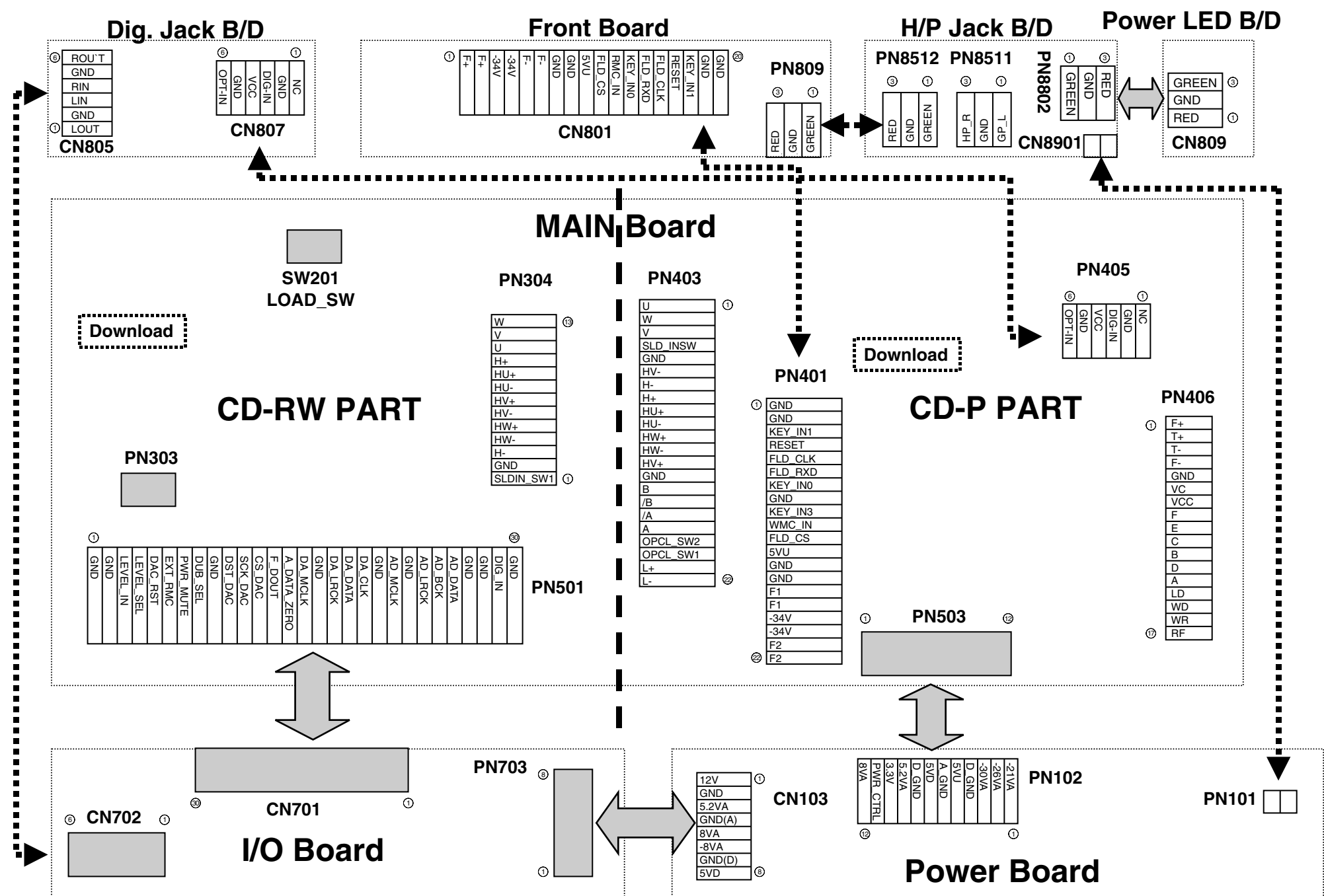
## TRUBLESHOOTING GUIDE

| SYMPTOM                                                                                                 | POSSIBLE CAUSE                                                                                                        | SOLUTION                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit does not operate when Standby switch or remote Power-On is pressed                                 | <ul style="list-style-type: none"> <li>No AC power</li> <li>Main Power Switch is off</li> </ul>                       | <ul style="list-style-type: none"> <li>Make certain AC power cord is plugged into a live outlet</li> <li>Check to see whether AC outlet is switch-controlled</li> <li>Turn on Main Power</li> </ul>                                                                                                                   |
| Remote does not function                                                                                | <ul style="list-style-type: none"> <li>Wrong deck selected</li> <li>Dead batteries</li> <li>Sensor blocked</li> </ul> | <ul style="list-style-type: none"> <li>Press the CDP Button <b>4</b> to control the Play Deck <b>3</b>; press the CDR Button <b>27</b> to control the Record Deck <b>15</b></li> <li>Replace both batteries</li> <li>Remove obstructions from front panel or connect a remote sensor to the Remote-In Jack</li> </ul> |
| Disc does not erase                                                                                     | <ul style="list-style-type: none"> <li>CD-R disc in use</li> </ul>                                                    | <ul style="list-style-type: none"> <li>CD-R discs do not erase; only CD-RW discs may be erased</li> </ul>                                                                                                                                                                                                             |
| Recorded CD-R disc does not play in another CD player or <b>DISC ERROR</b> message appears in play deck | <ul style="list-style-type: none"> <li>CD-R disc not finalized</li> </ul>                                             | <ul style="list-style-type: none"> <li>Finalize the CD-R disc in the CDR 26's record deck (see page 21)</li> </ul>                                                                                                                                                                                                    |
| Recording suddenly stops                                                                                | <ul style="list-style-type: none"> <li>Input source stopped or paused</li> </ul>                                      | <ul style="list-style-type: none"> <li>Recordings will stop when the input source is paused for more than three seconds for digital recordings and 10 seconds for analog recordings</li> </ul>                                                                                                                        |

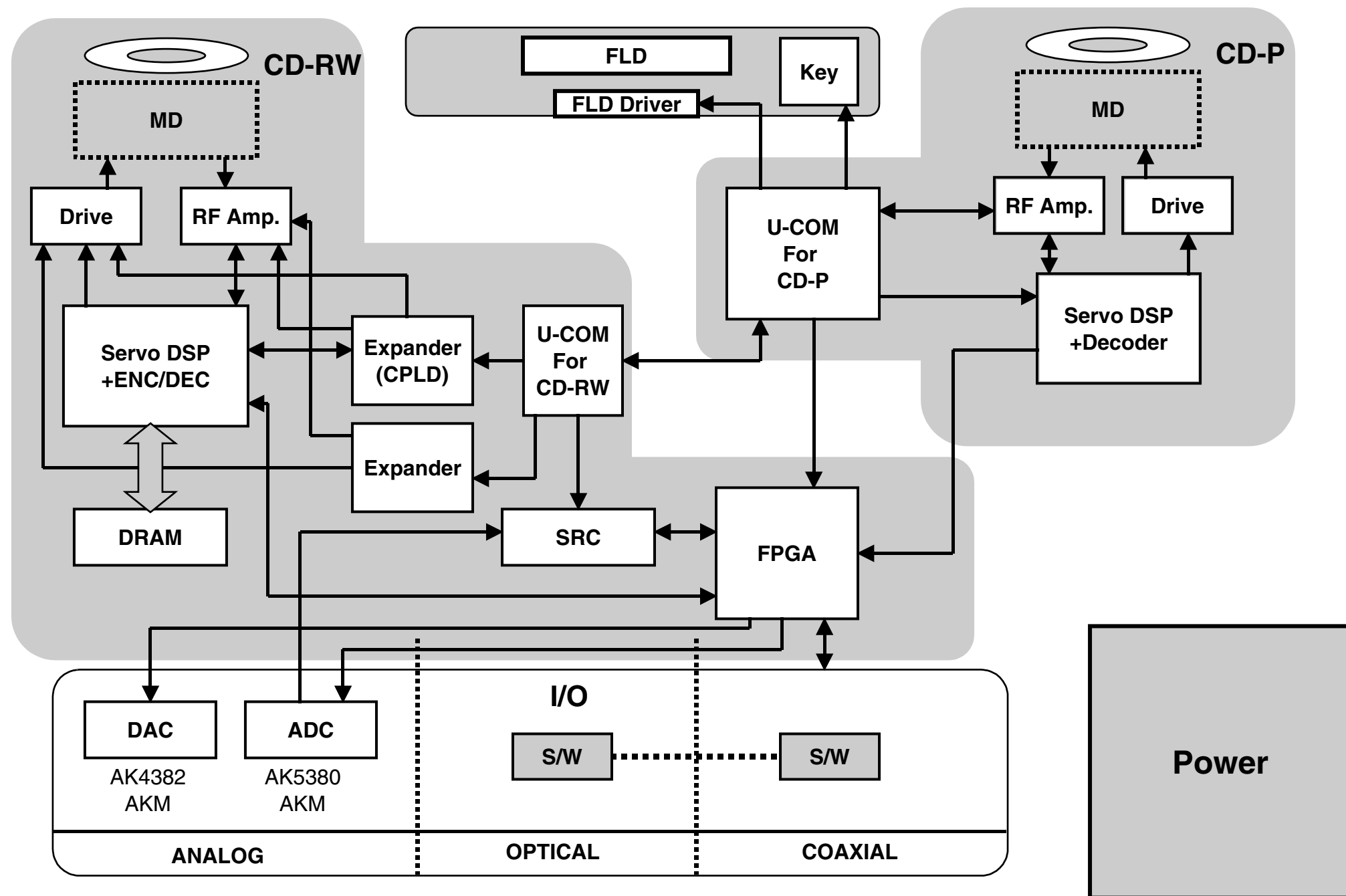
## ERROR MESSAGES

| MESSAGE           | EXPLANATION AND PROBABLE CAUSE                                                                                                                                                                                                                        | SOLUTION                                                                                                                                                                                                                |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CHECK DISC</b> | <ul style="list-style-type: none"> <li>A record-related button has been pressed when a finalized disc is in the Record Deck <b>15</b></li> <li>A record-related button has been pressed when a standard CD is in the Record Deck <b>15</b></li> </ul> | <ul style="list-style-type: none"> <li>Unfinalize the disc to add tracks to a CD-RW disc</li> <li>Replace the disc with a blank CD-R or CD-RW disc</li> <li>Replace the disc with a blank CD-R or CD-RW disc</li> </ul> |
| <b>DATA DISC</b>  | <ul style="list-style-type: none"> <li>A non-audio CD-ROM or a CD Video disc has been placed in the machine</li> </ul>                                                                                                                                | <ul style="list-style-type: none"> <li>Only CD Audio and DTS® discs will play in the CDR 26; replace the disc</li> </ul>                                                                                                |
| <b>DISC ERROR</b> | <ul style="list-style-type: none"> <li>An unfinalized disc has been placed in the Play Deck <b>3</b></li> <li>A DVD has been placed in the unit</li> </ul>                                                                                            | <ul style="list-style-type: none"> <li>Finalize the disc (see page 21)</li> <li>Replace the disc; the CDR 26 does not play or dub DVDs</li> </ul>                                                                       |
| <b>DISC FULL</b>  | <ul style="list-style-type: none"> <li>There are only four seconds of record time remaining on the disc being recorded</li> </ul>                                                                                                                     | <ul style="list-style-type: none"> <li>Use another blank CD-R or CD-RW disc</li> <li>Erase one or more tracks on a CD-RW disc</li> </ul>                                                                                |
| <b>ERROR</b>      | <ul style="list-style-type: none"> <li>The disc is not seated properly</li> <li>There is a problem with the disc</li> </ul>                                                                                                                           | <ul style="list-style-type: none"> <li>Open the drawer and check to see that the disc is properly seated</li> <li>Try another disc</li> </ul>                                                                           |
| <b>FAILED</b>     | <ul style="list-style-type: none"> <li>A dub has not been completed properly</li> </ul>                                                                                                                                                               | <ul style="list-style-type: none"> <li>Check the play disc</li> <li>Repeat the dub process</li> </ul>                                                                                                                   |
| <b>FULL</b>       | <ul style="list-style-type: none"> <li>More than 99 tracks have been recorded</li> </ul>                                                                                                                                                              | <ul style="list-style-type: none"> <li>The CDR 26 does not record more than 99 tracks on a disc</li> </ul>                                                                                                              |
| <b>NO AUDIO</b>   | <ul style="list-style-type: none"> <li>A record-related button has been pressed when a non-audio disc is in the Record Deck <b>15</b></li> </ul>                                                                                                      | <ul style="list-style-type: none"> <li>Replace the disc with a blank CD-R or CD-RW Audio disc</li> </ul>                                                                                                                |
| <b>SVC - 1</b>    | <ul style="list-style-type: none"> <li>There is an internal problem with the CDR 26</li> </ul>                                                                                                                                                        | <ul style="list-style-type: none"> <li>Contact an authorized Harman Kardon service center</li> </ul>                                                                                                                    |

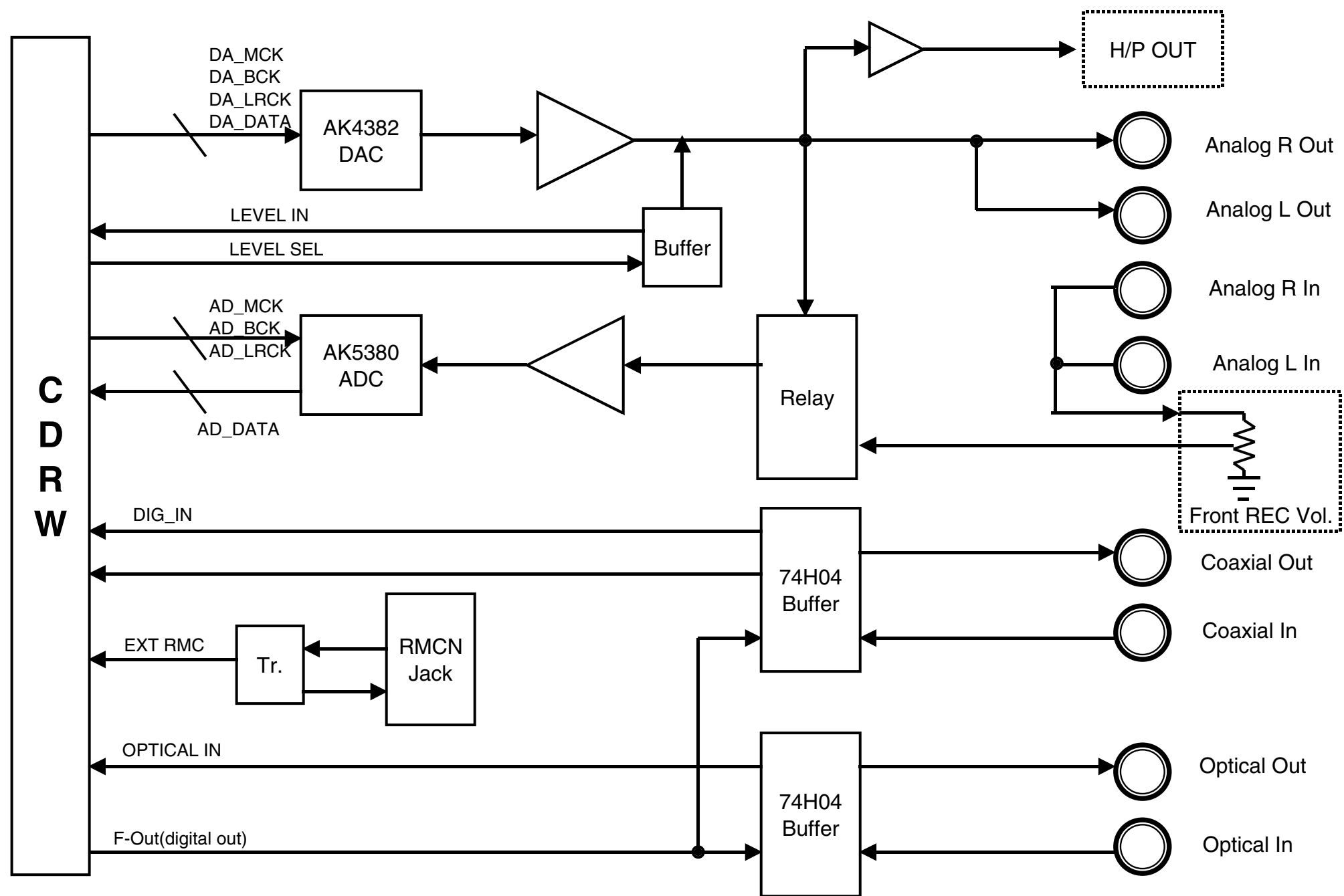
OVERALL WIRING DIAGRAM 1



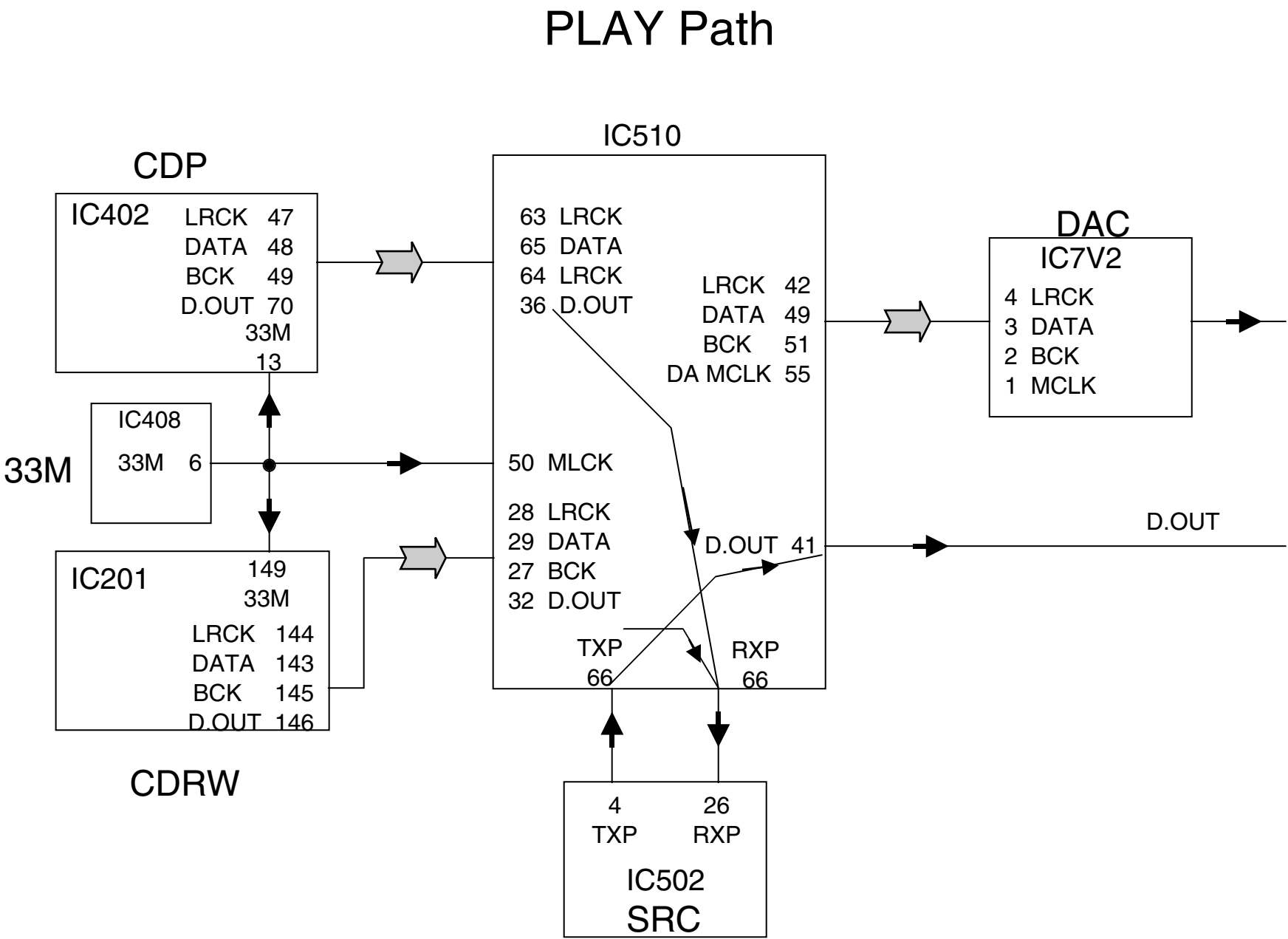
# OVERALL WIRING DIAGRAM 2



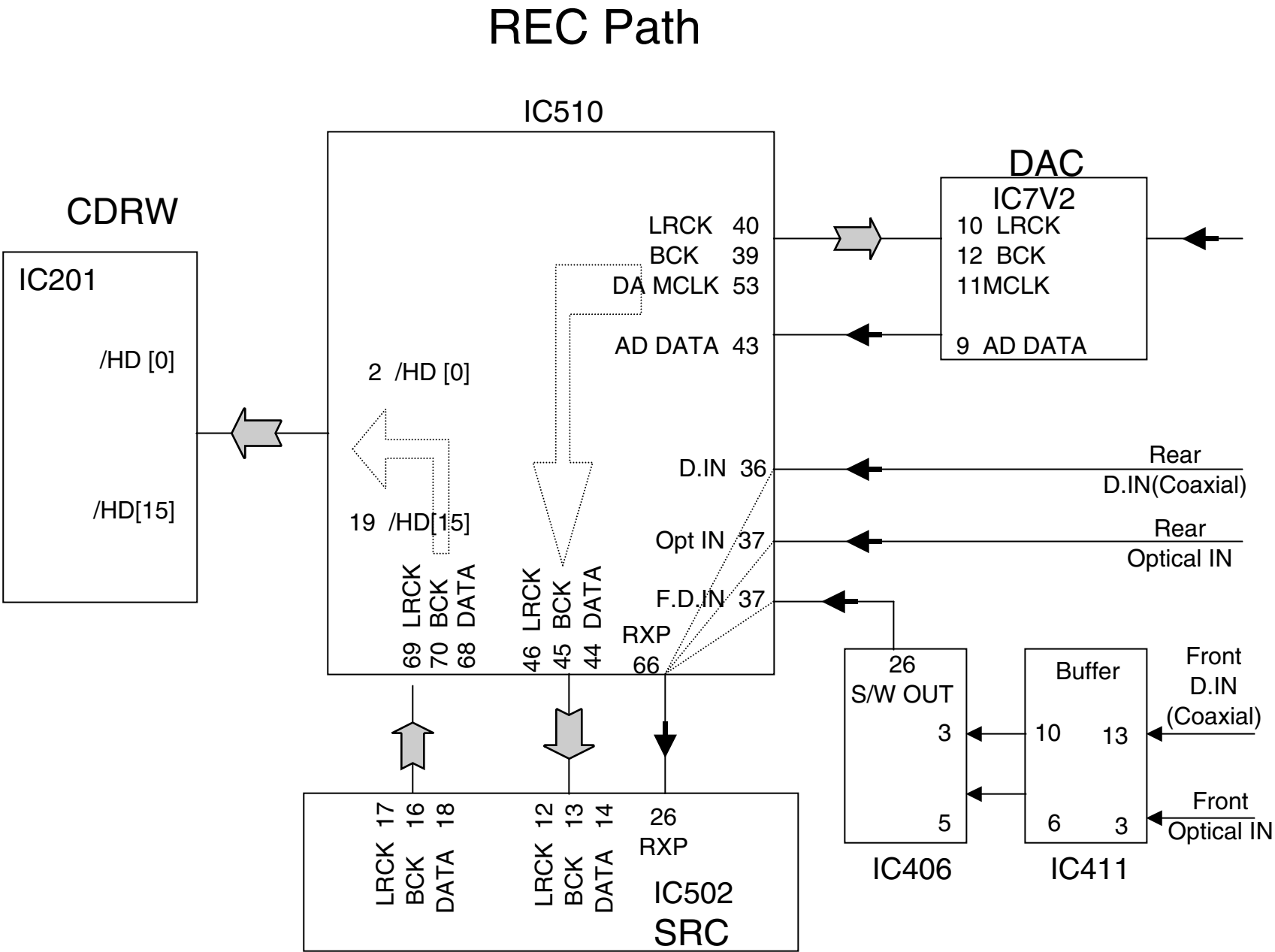
**BLOCK DIAGRAM**  
**1. I/O Block Diagram**



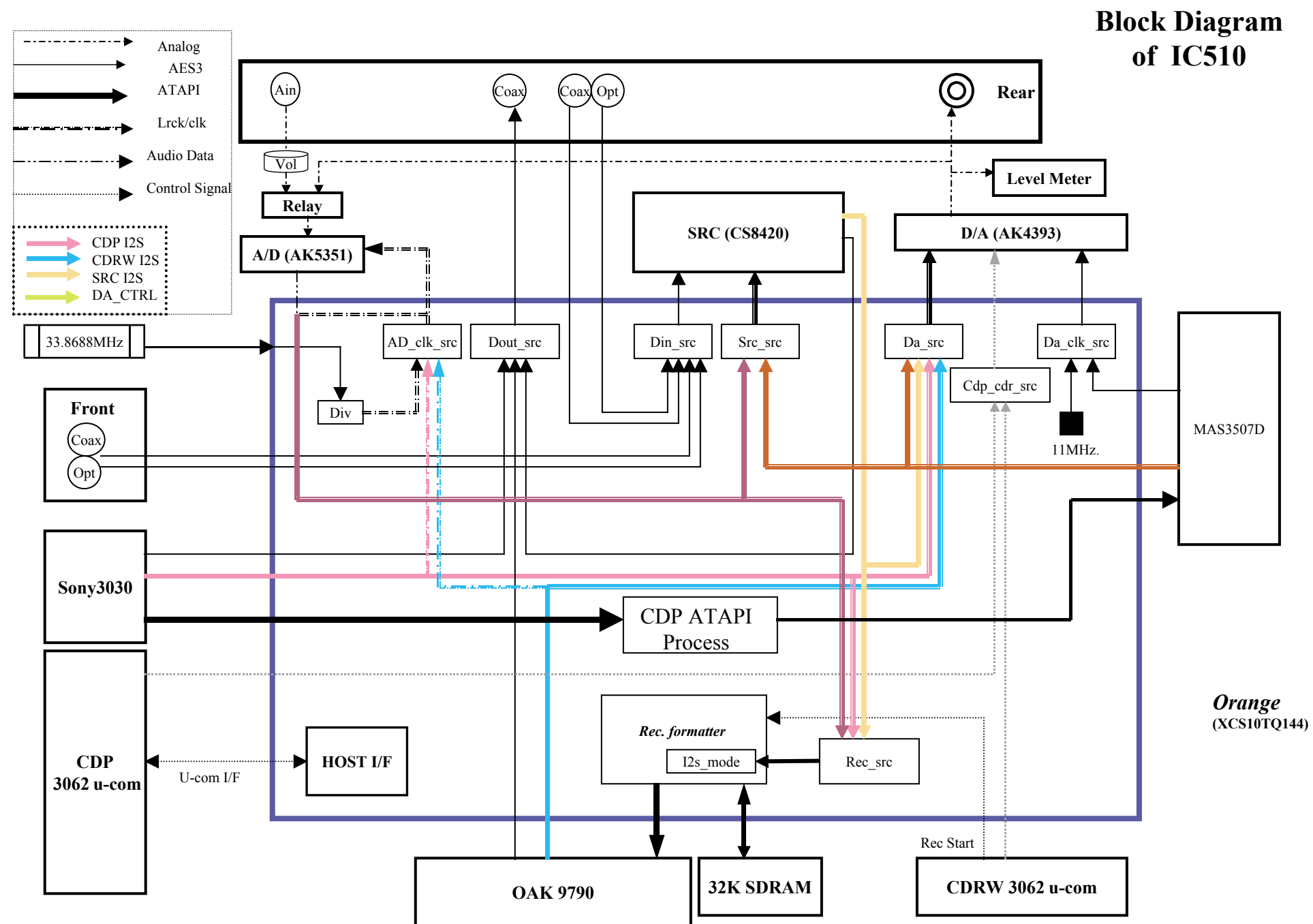
2. CD-P Block Diagram



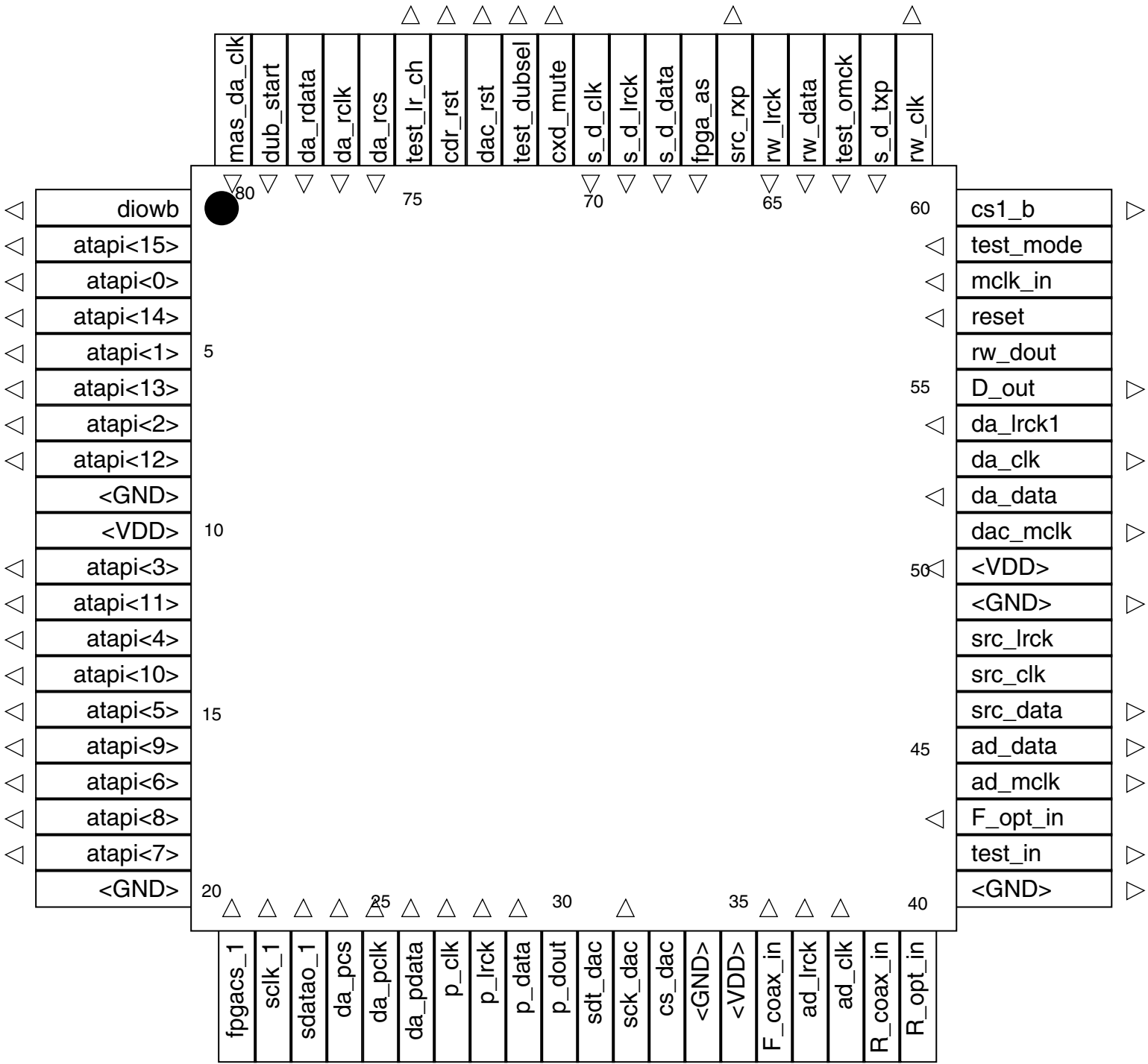
3. CD-R Block Diagram



4. IC510 Asic Block Diagram

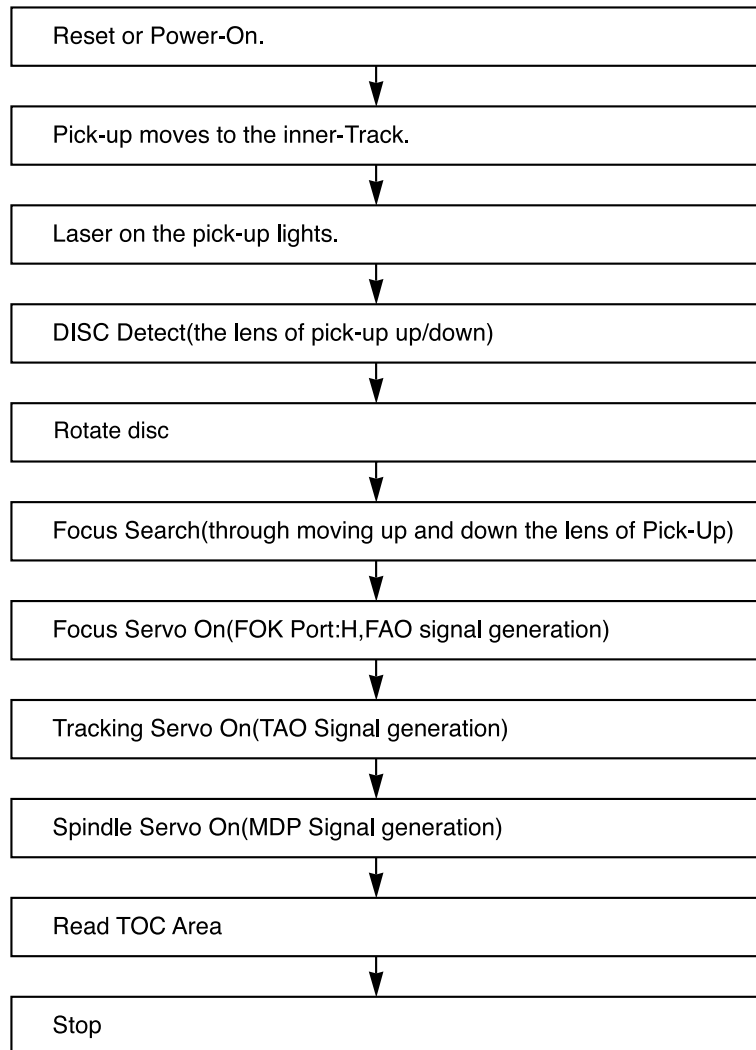


5. IC501 Pin Map Block Diagram



# TROUBLESHOOTING GUIDE

## 1. Initial Lead-in Operation

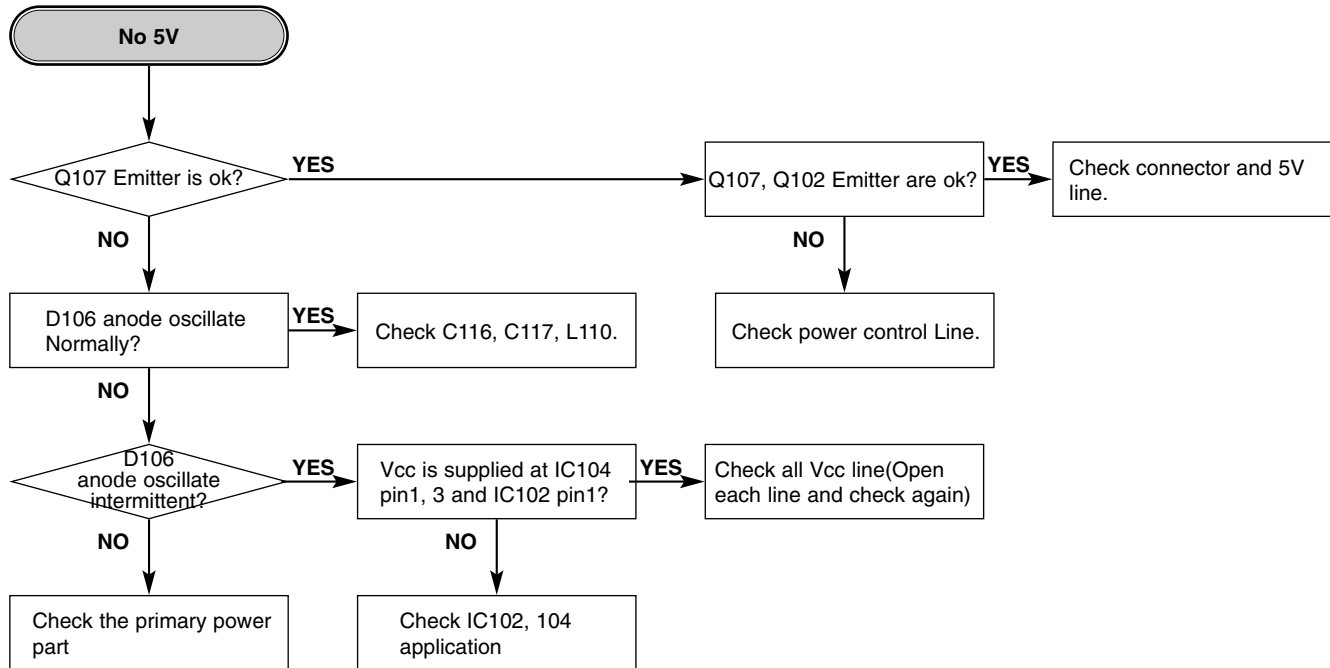


## 2. Trouble List(Circuit)

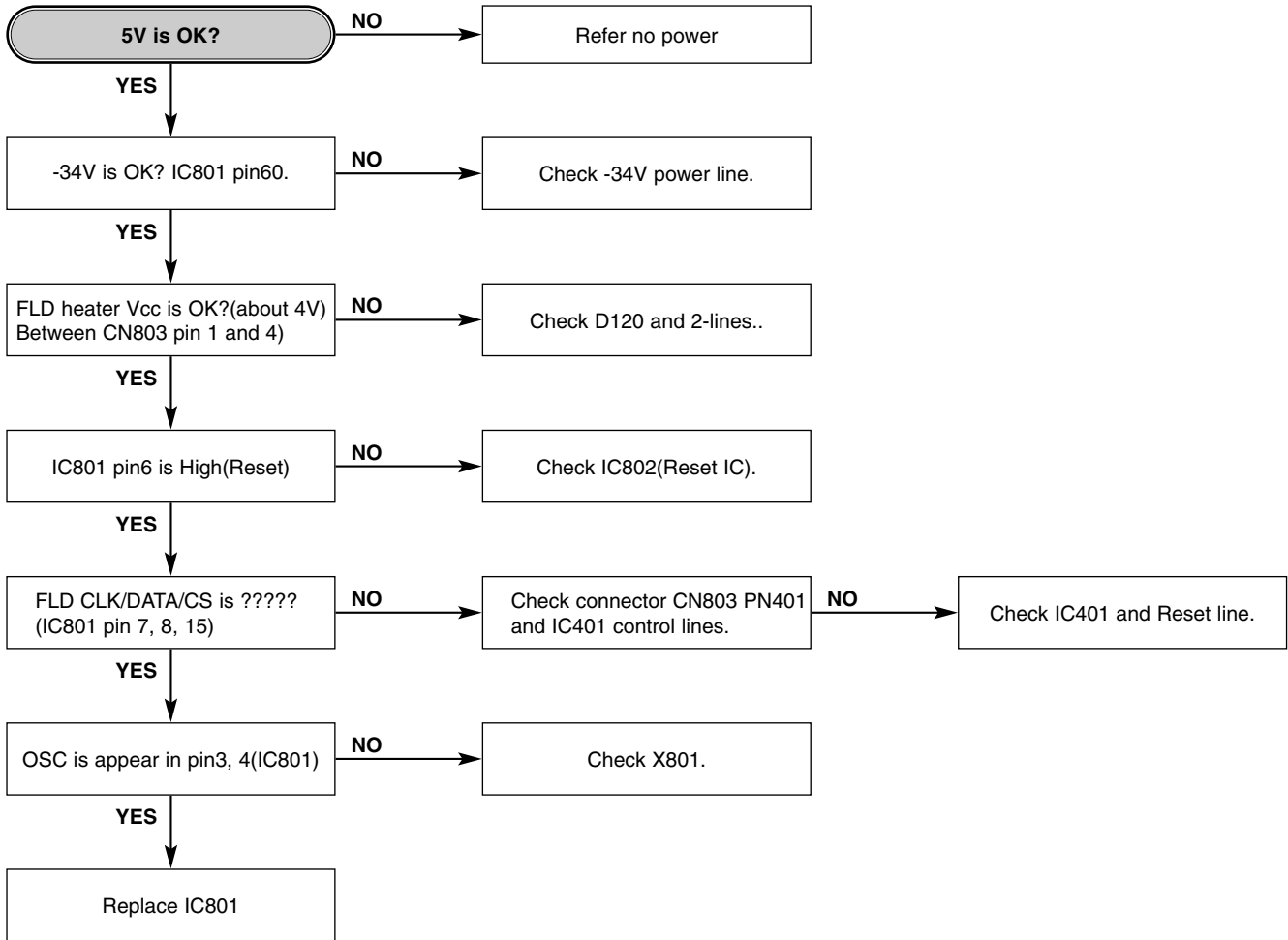
(In the Initial Lead-in Operation Mode)

- A. Pick-Up doesn't move to the inner-track.
- B. Pick-Up lens doesn't move up and down.
- C. Disc doesn't rotate.
- D. The Laser(RED) of Pick-Up doesn't light.
- E. TOC isn't read.

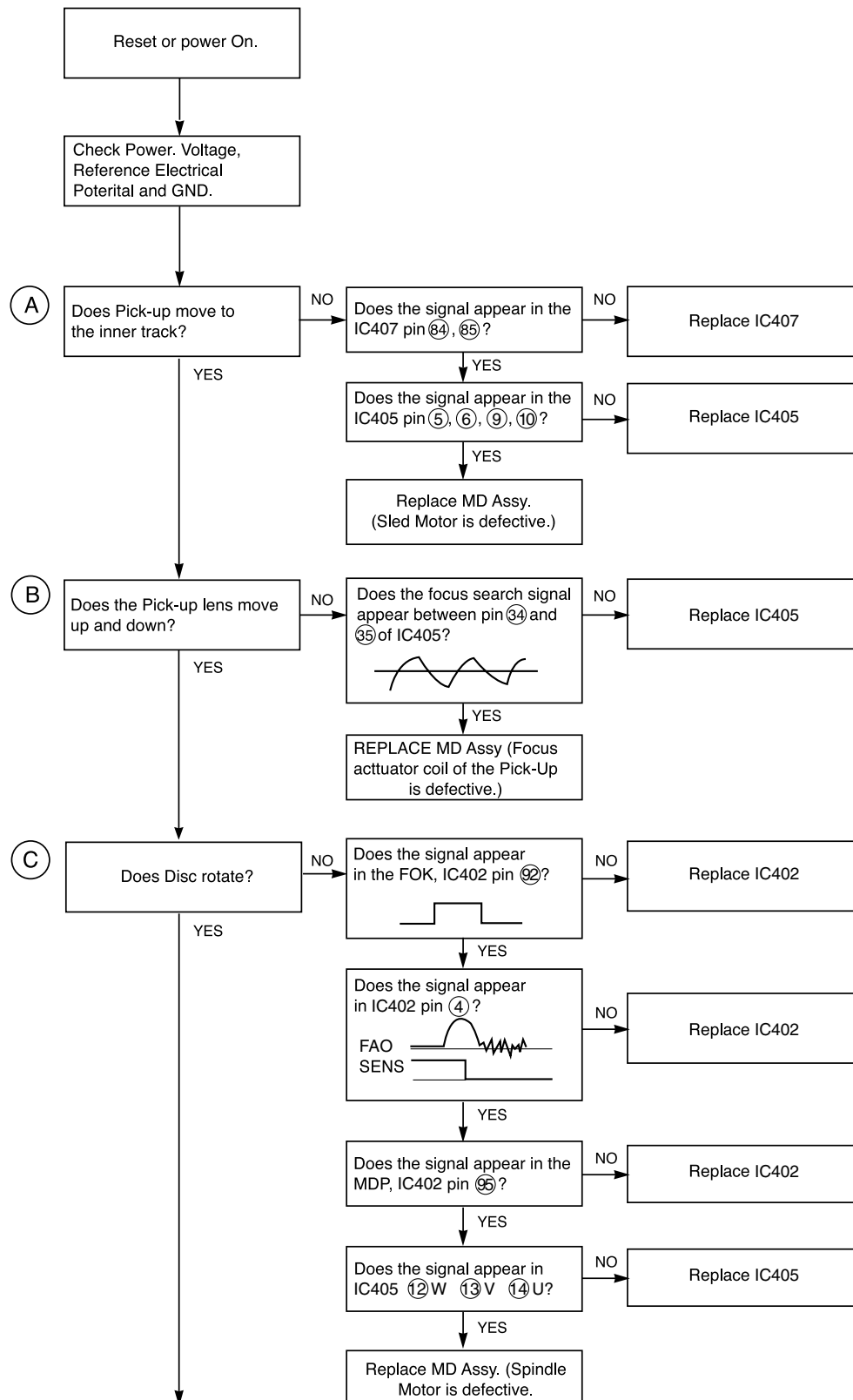
### 3. No power

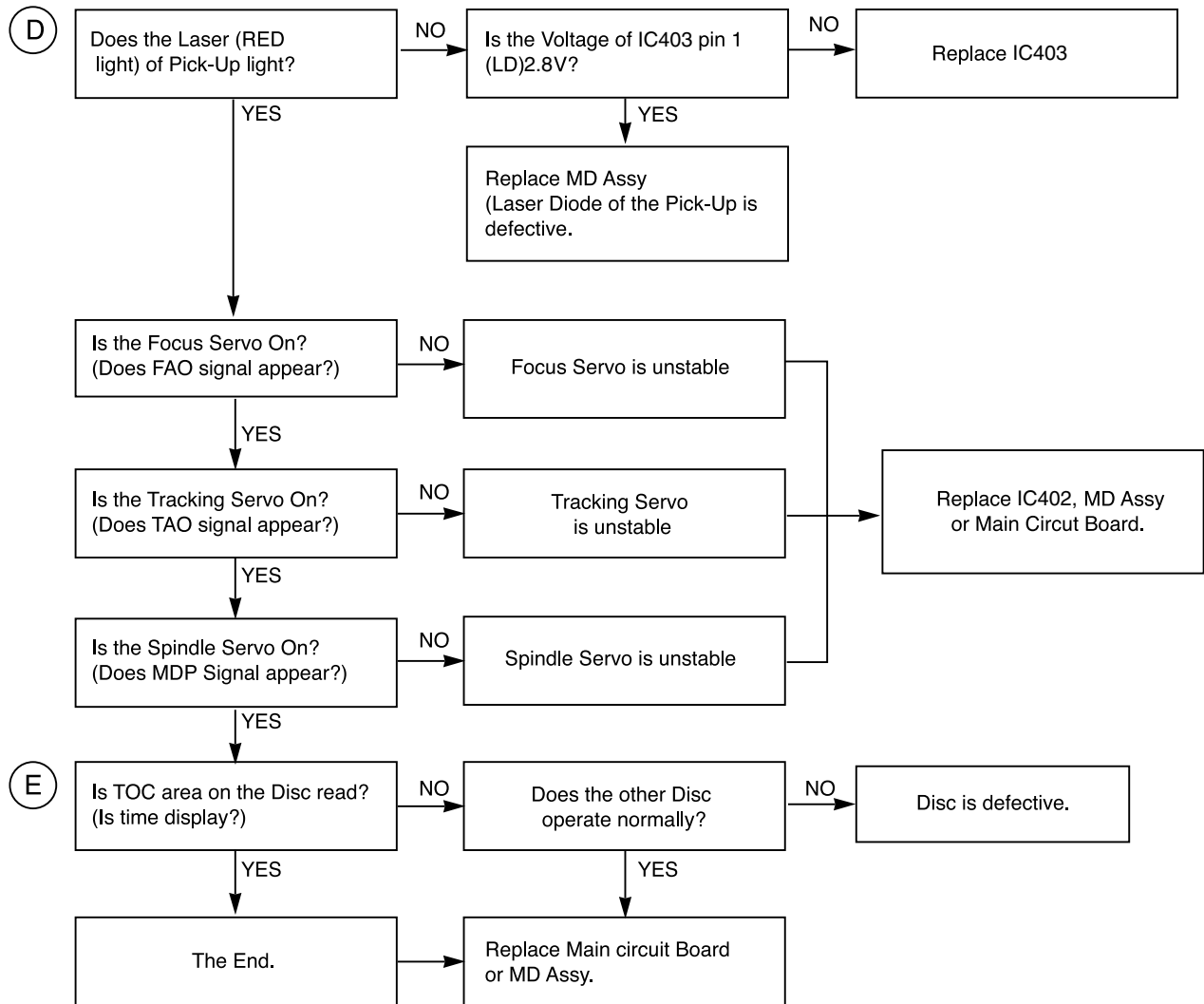


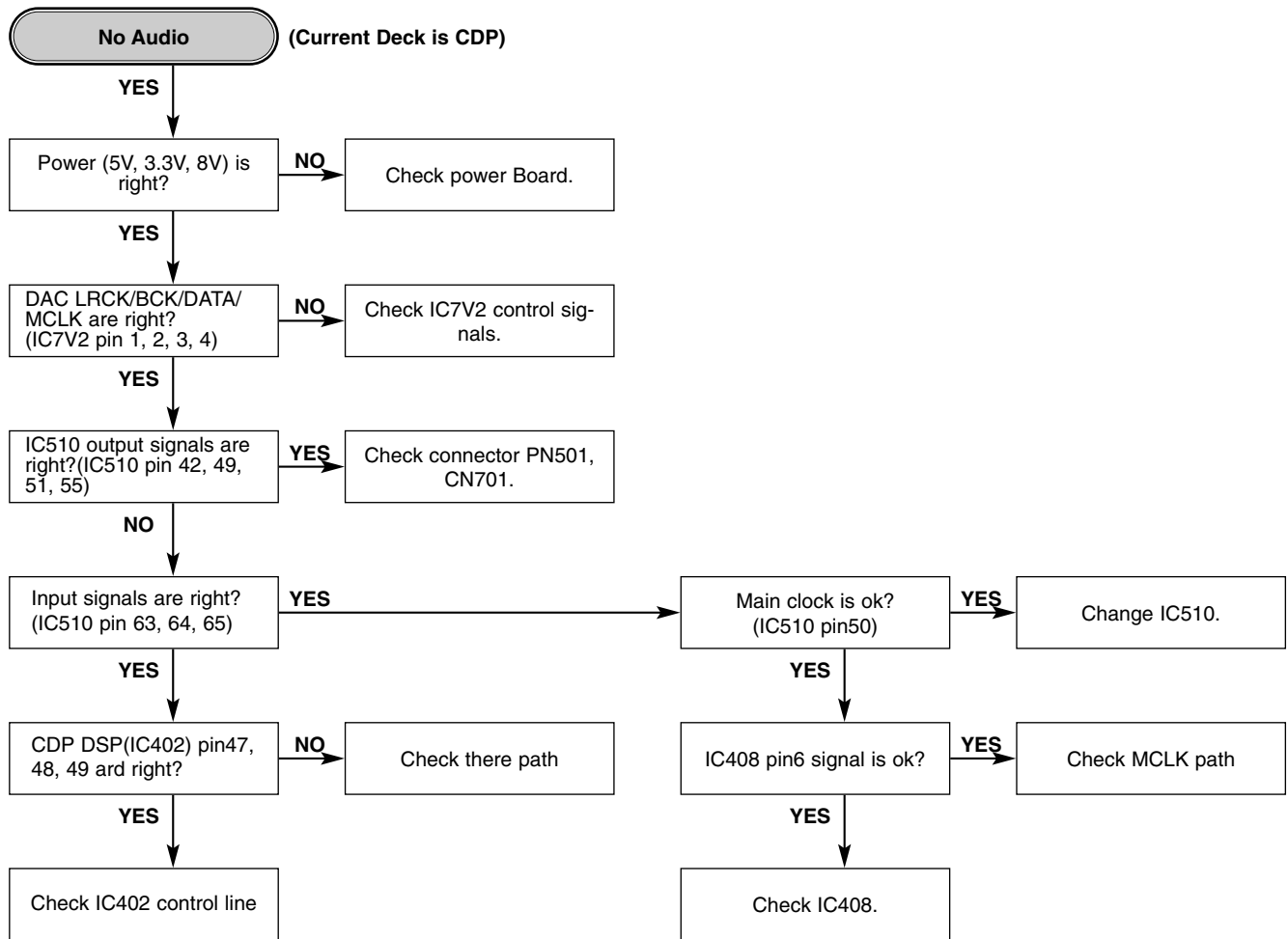
## 4. FLD No Display

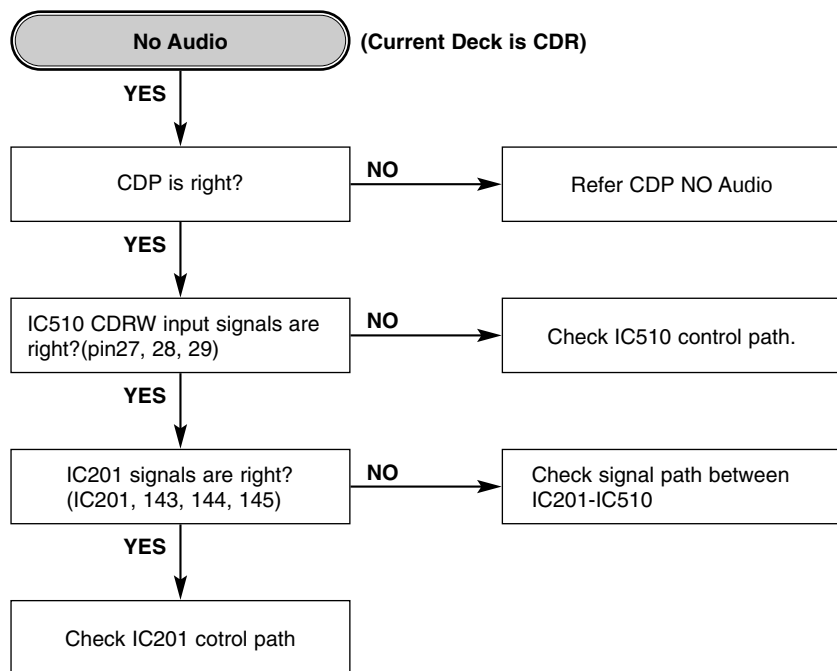


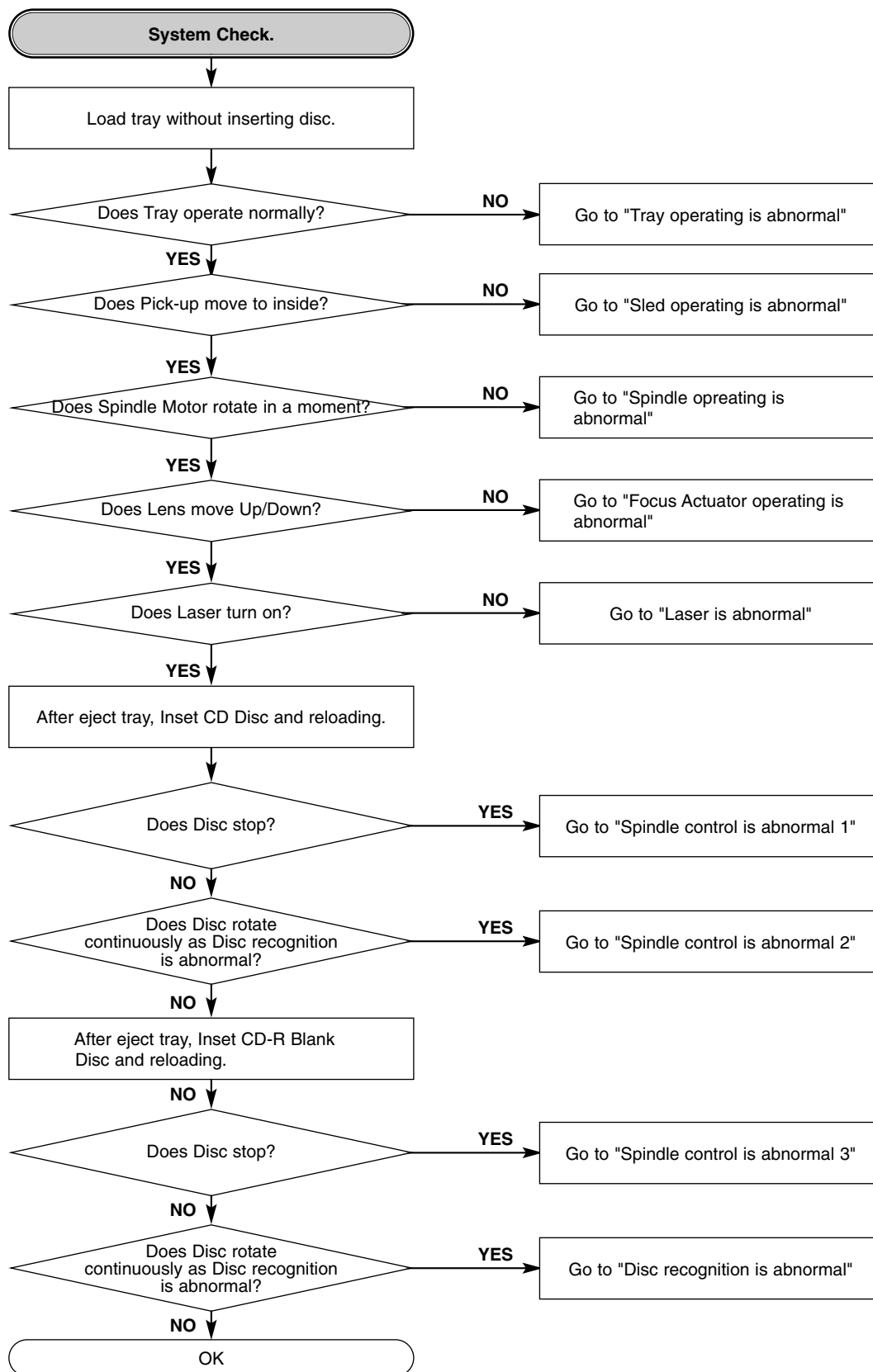
## 5. Troubleshooting Guide(In the Initial Lead-in Operation Mode)

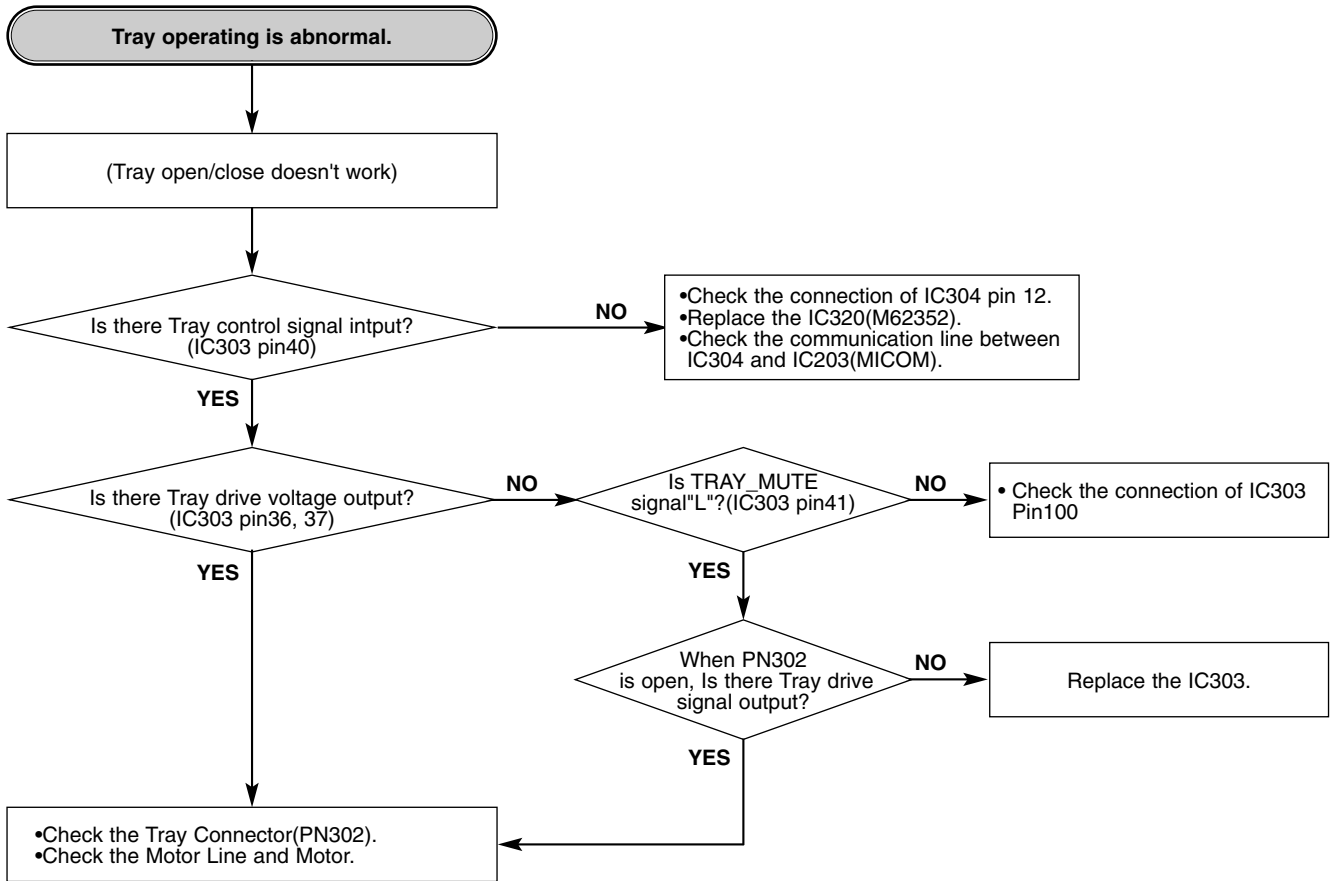


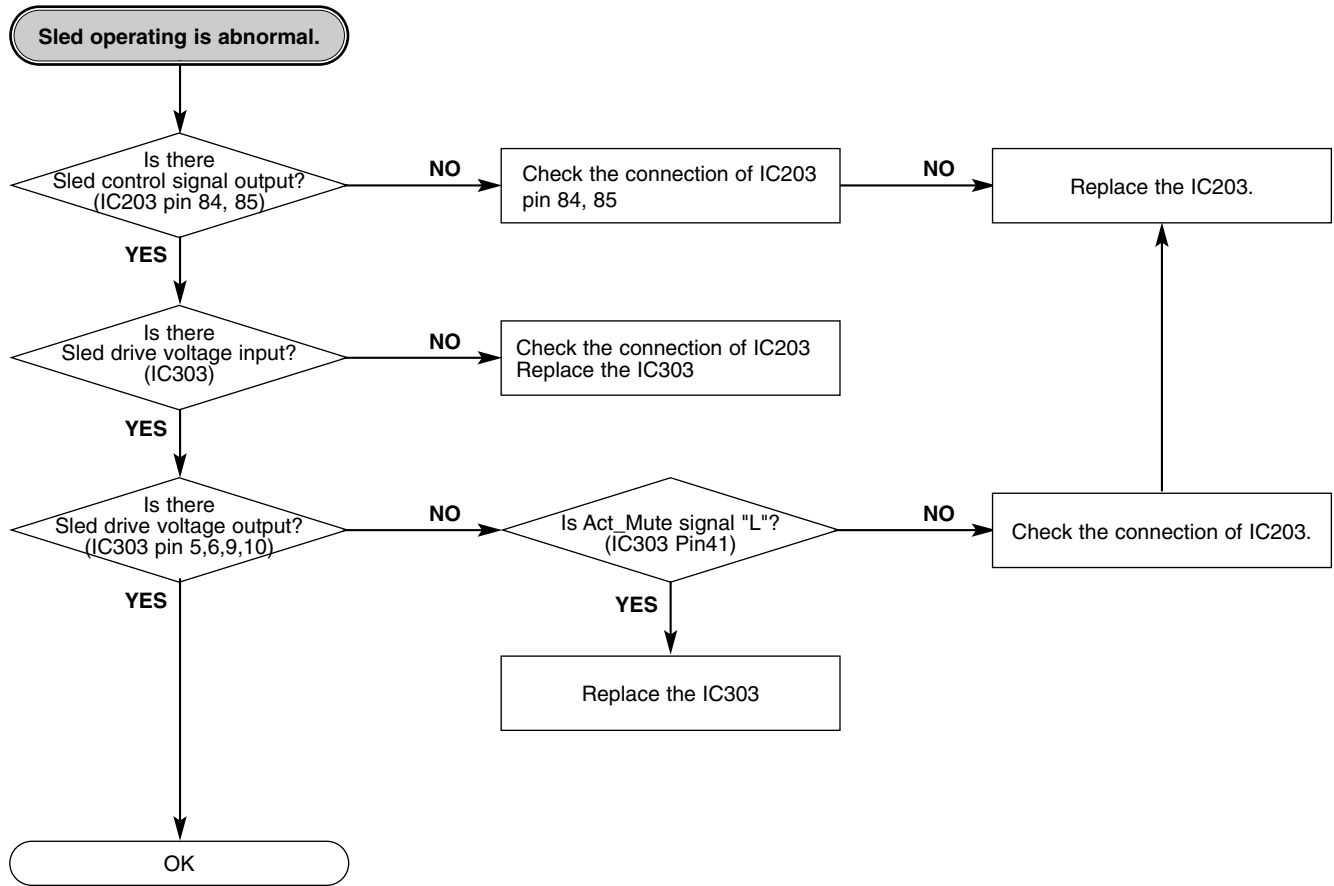


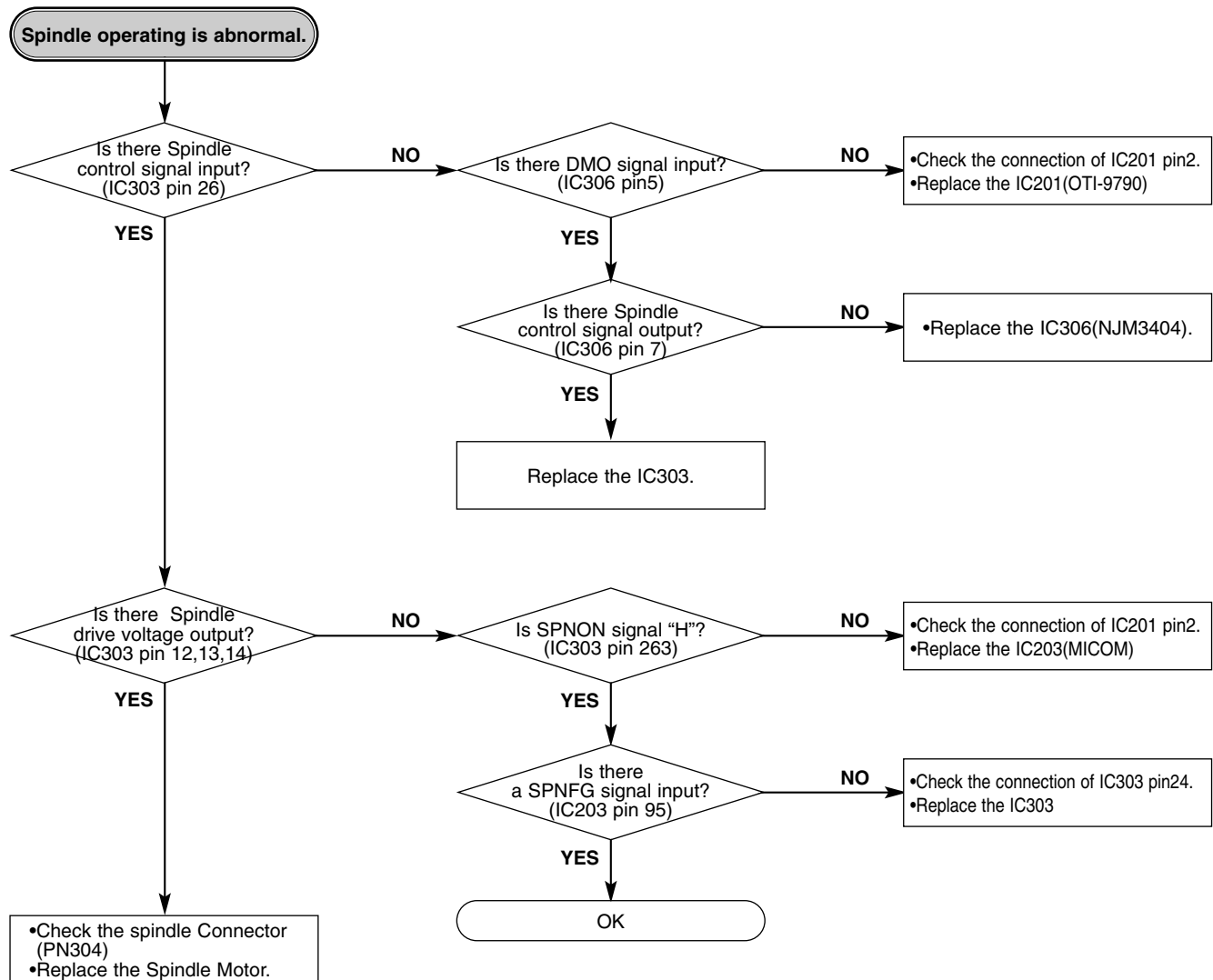


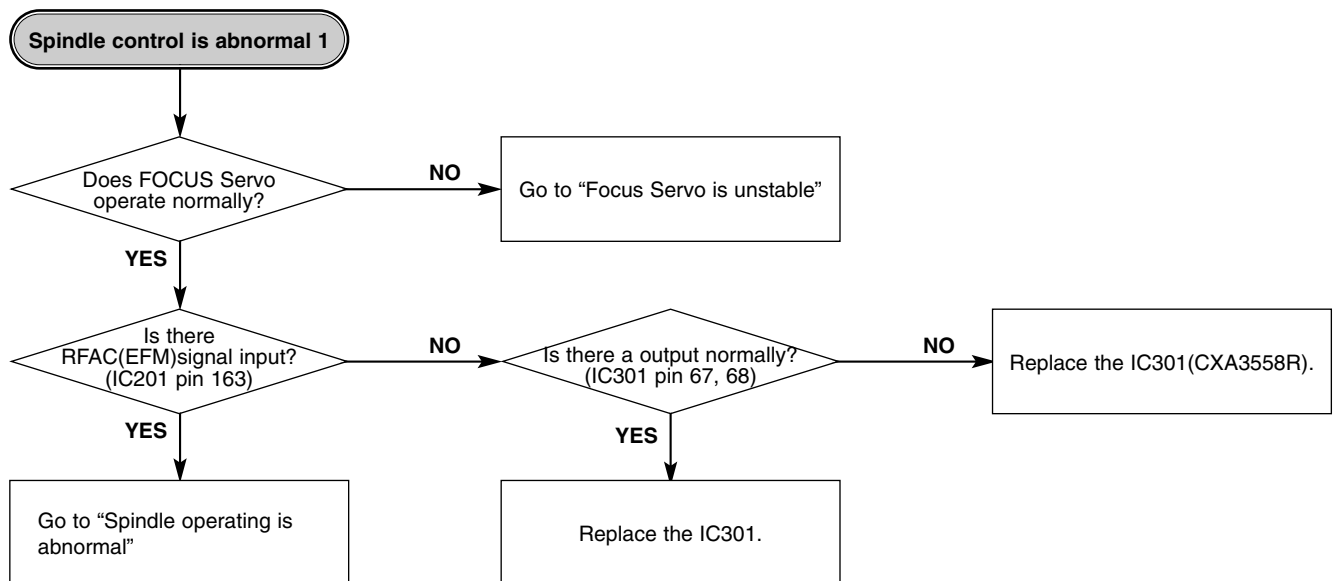
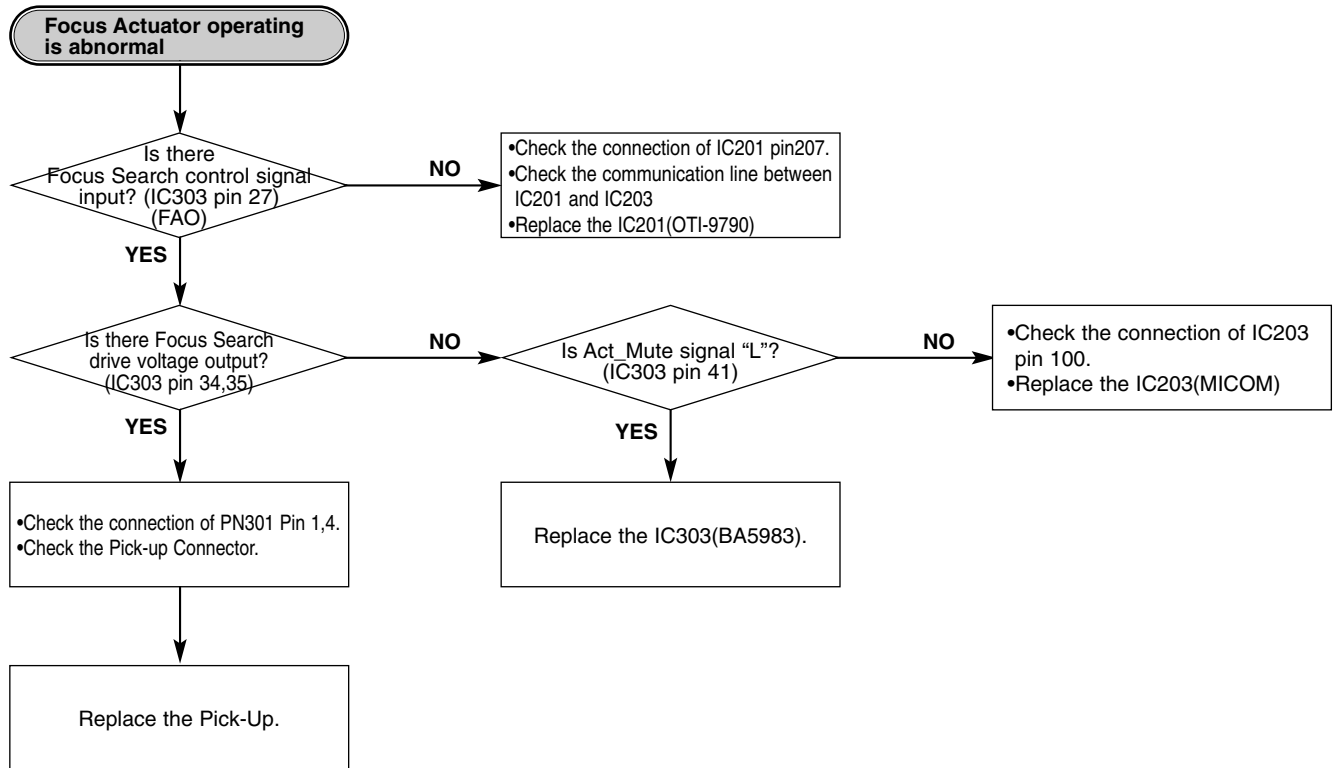


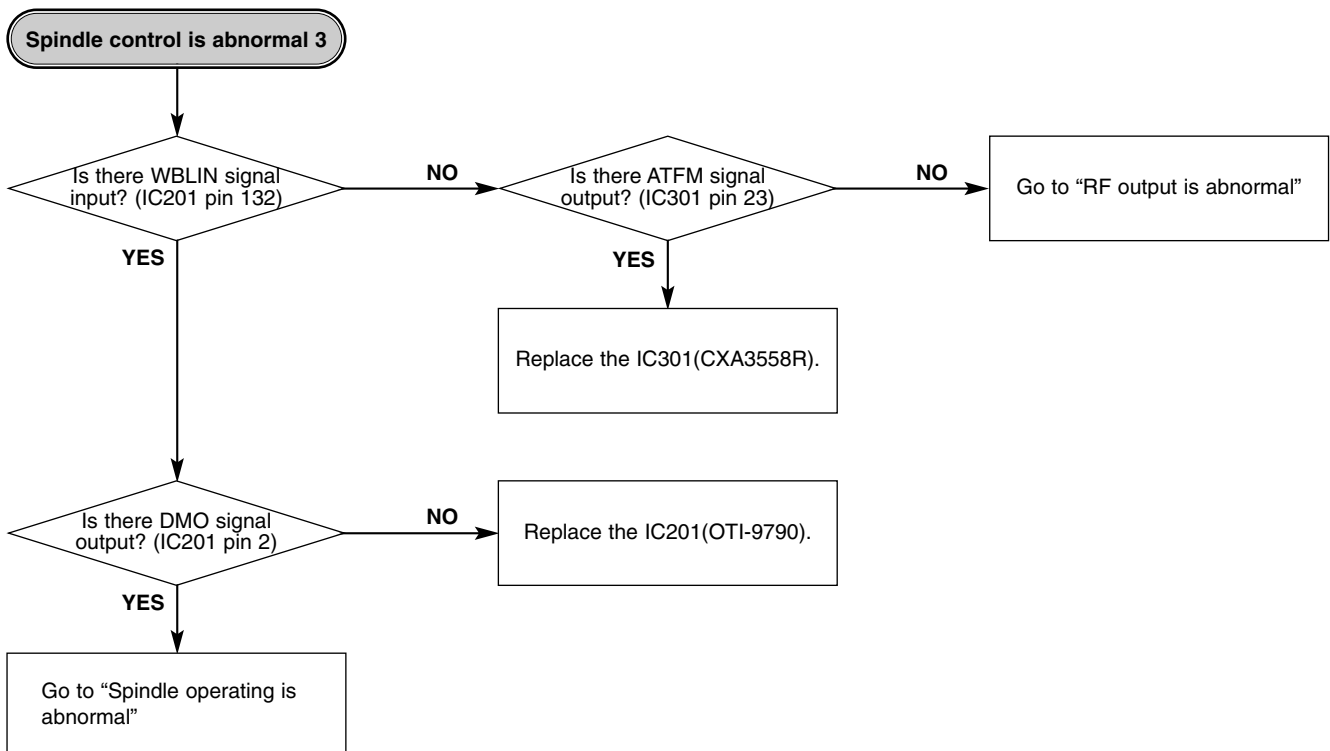
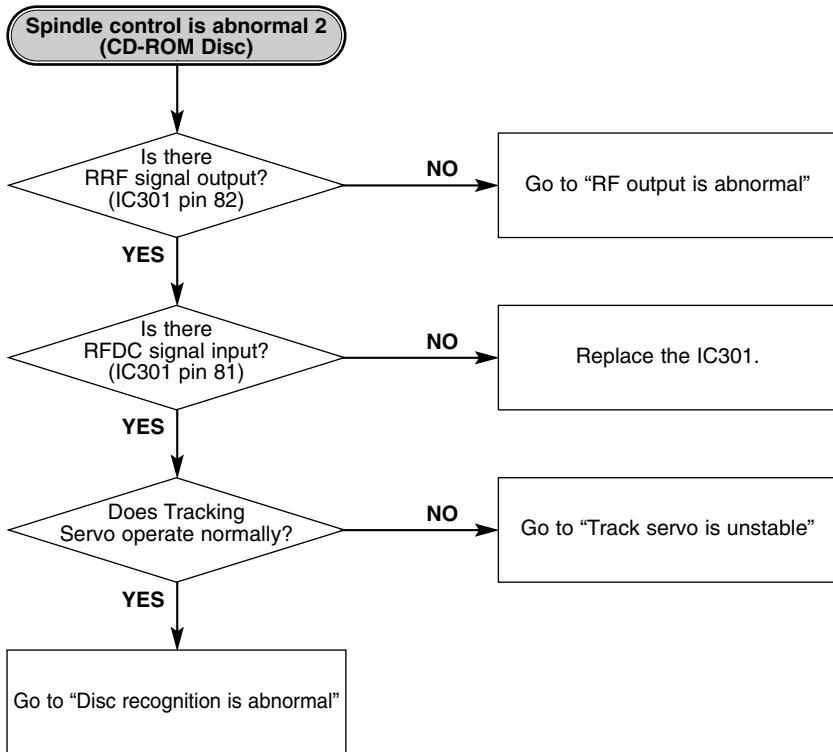


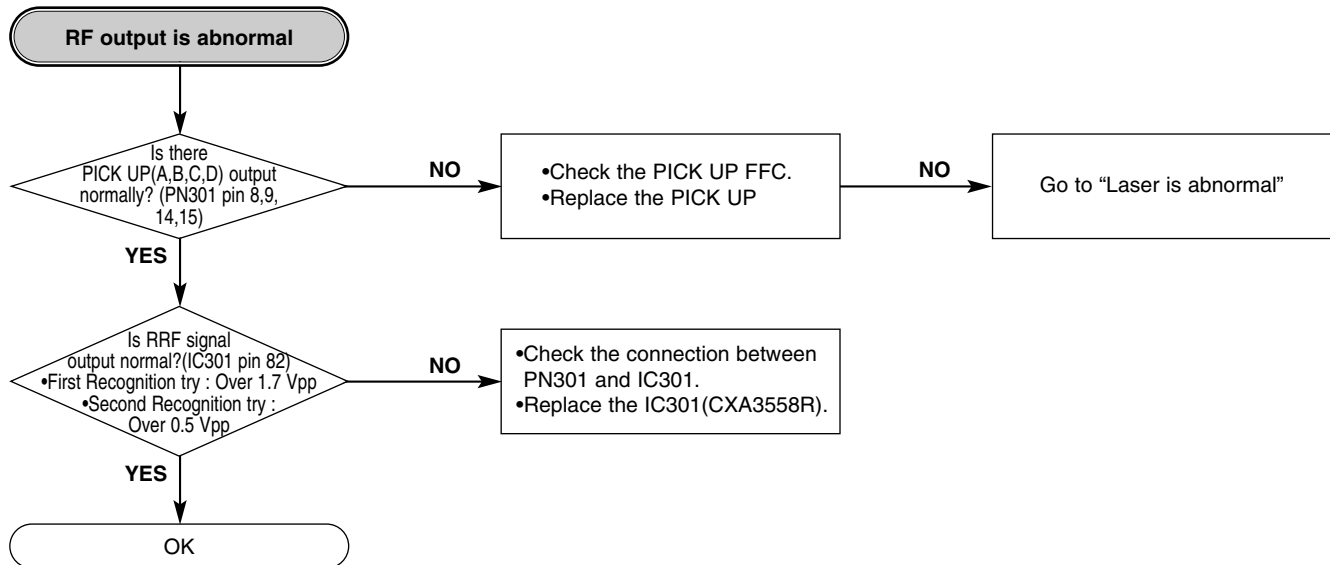
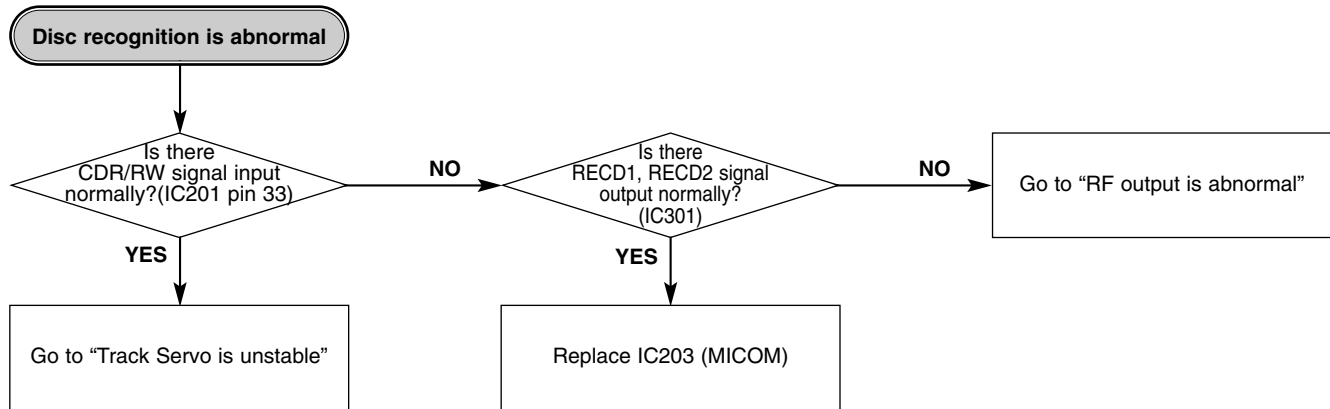


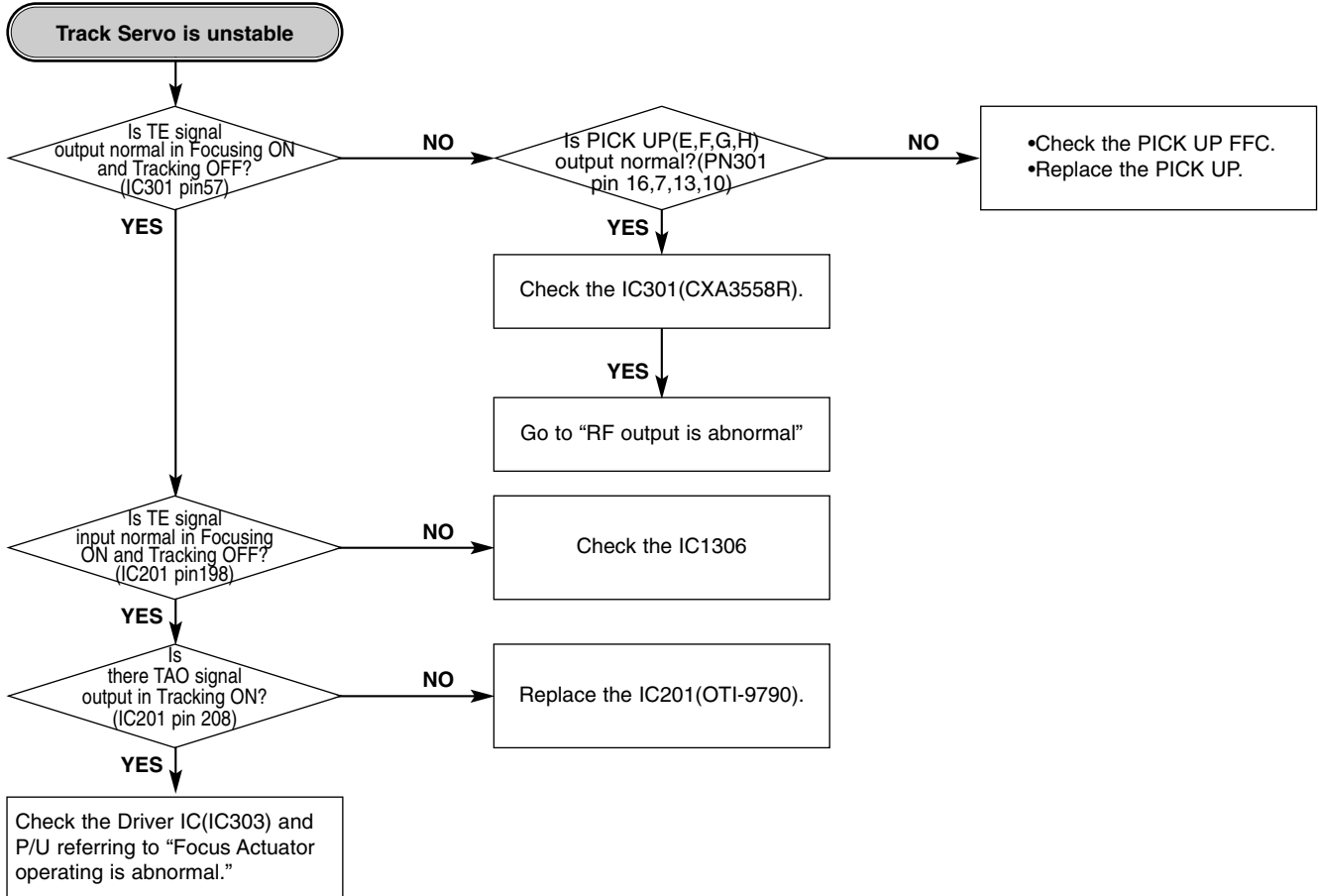
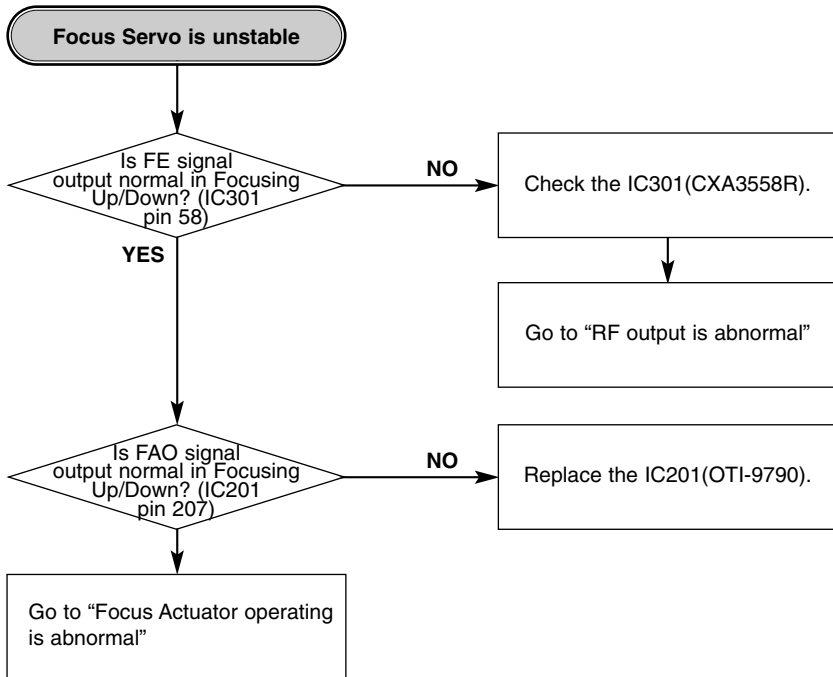




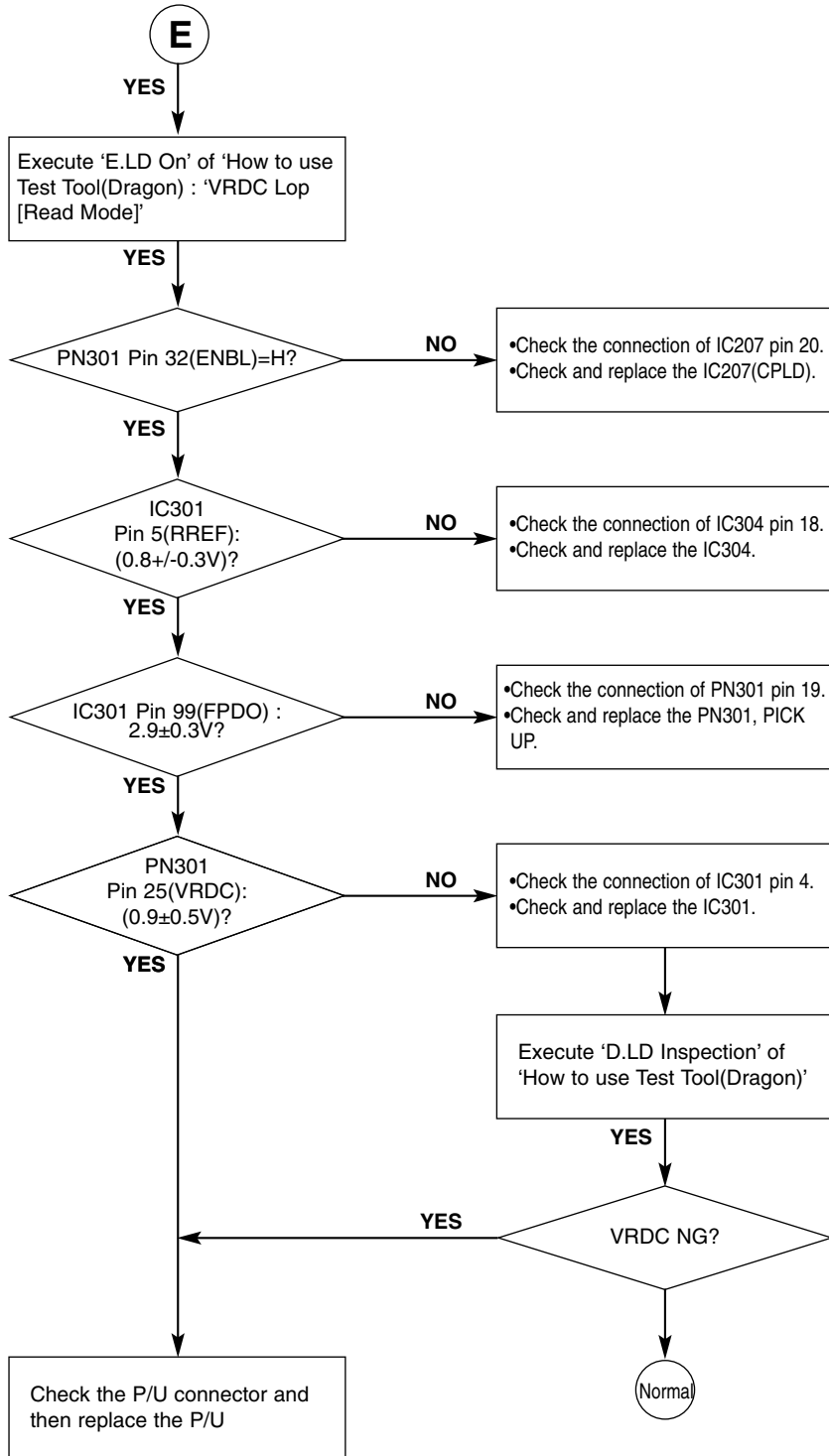




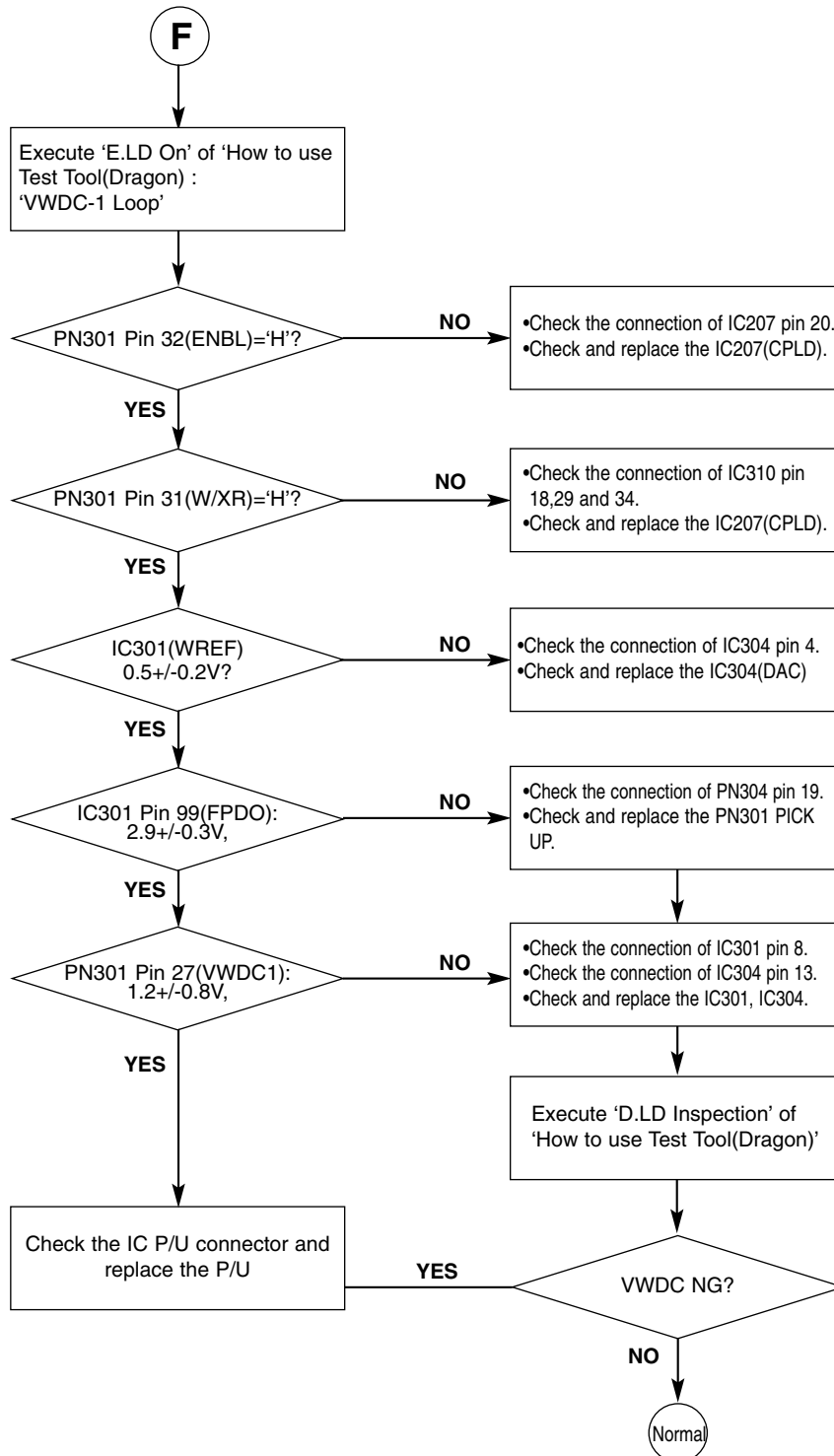


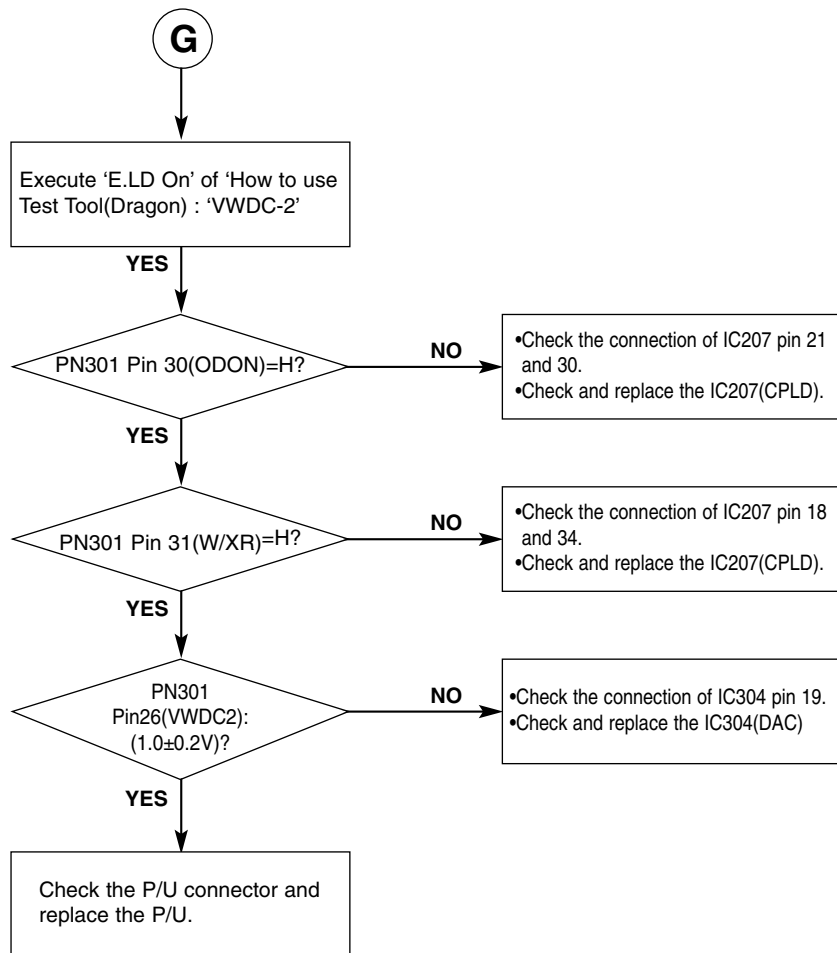


## LD CHECK (Not Read)

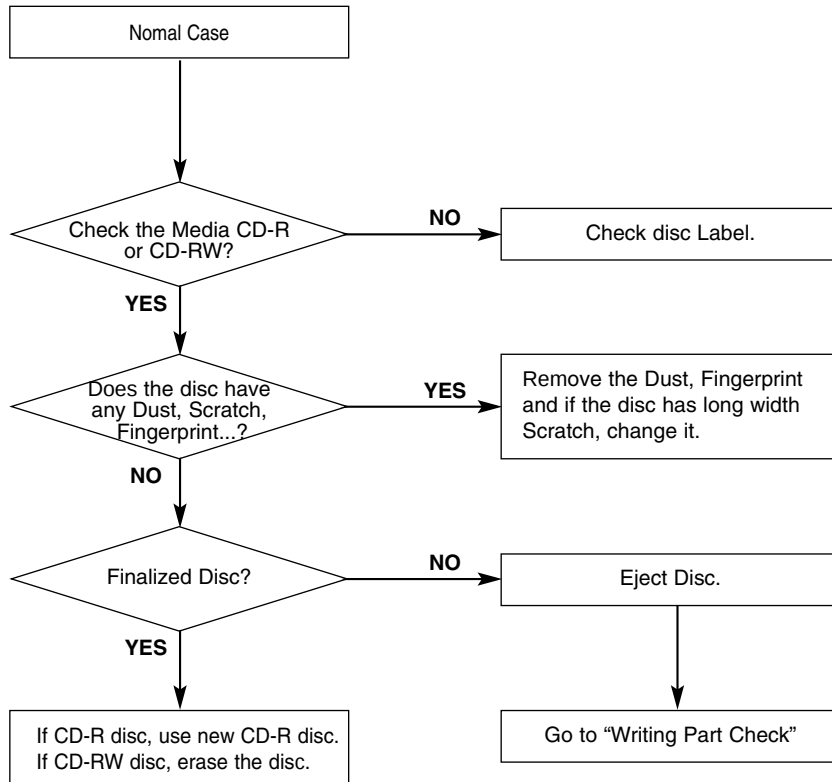


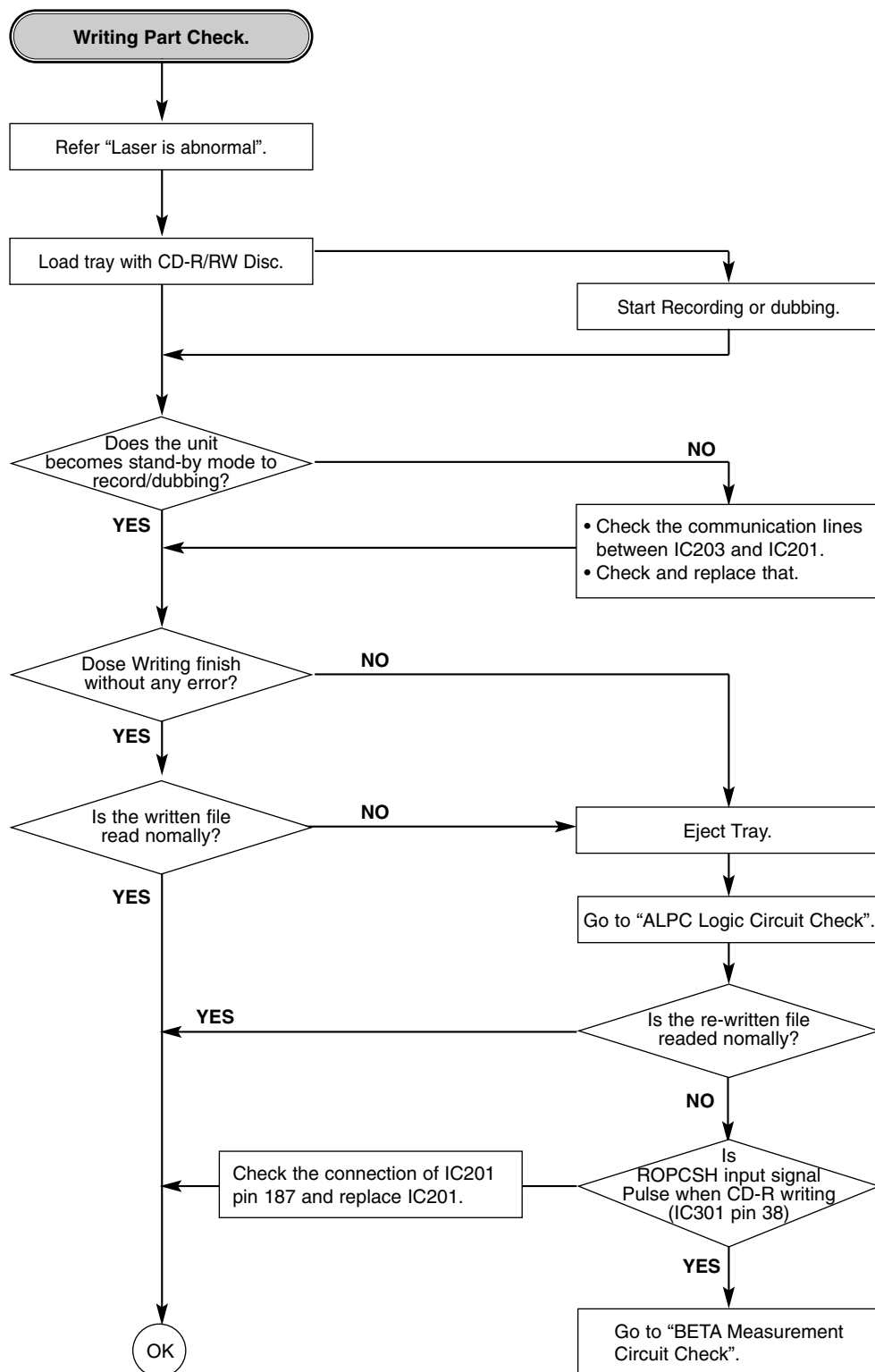
**LD CHECK (Not Recored)**

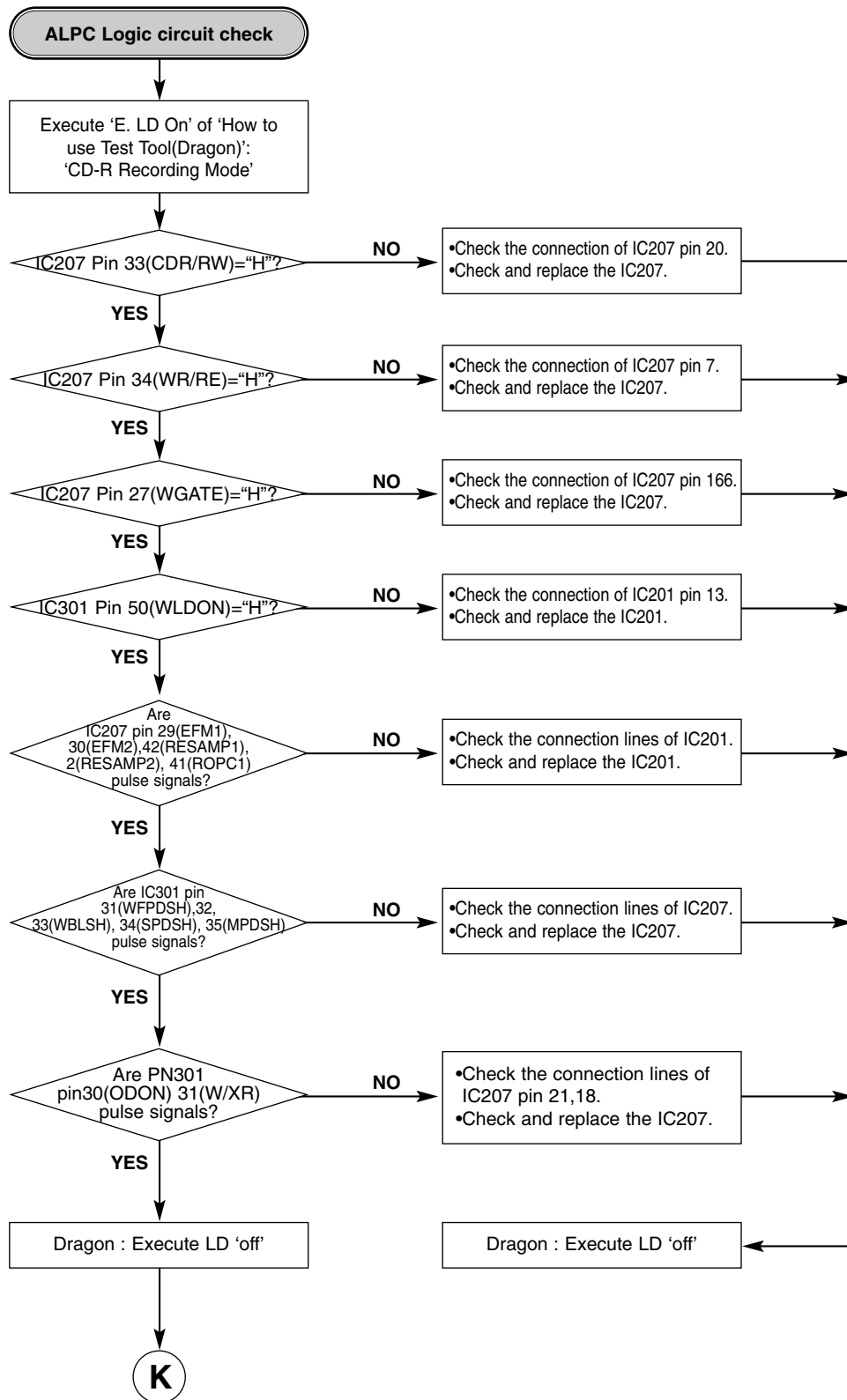


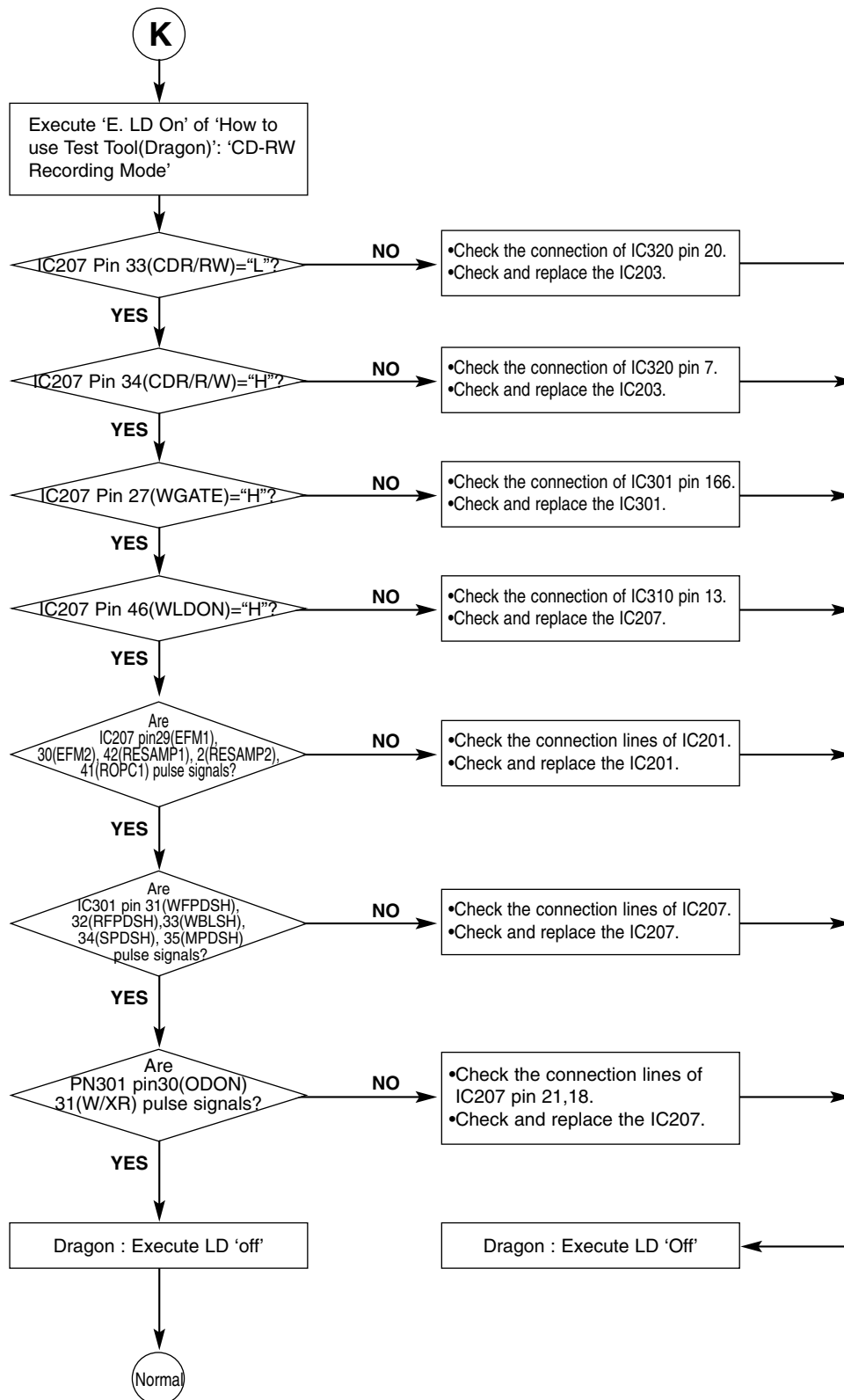


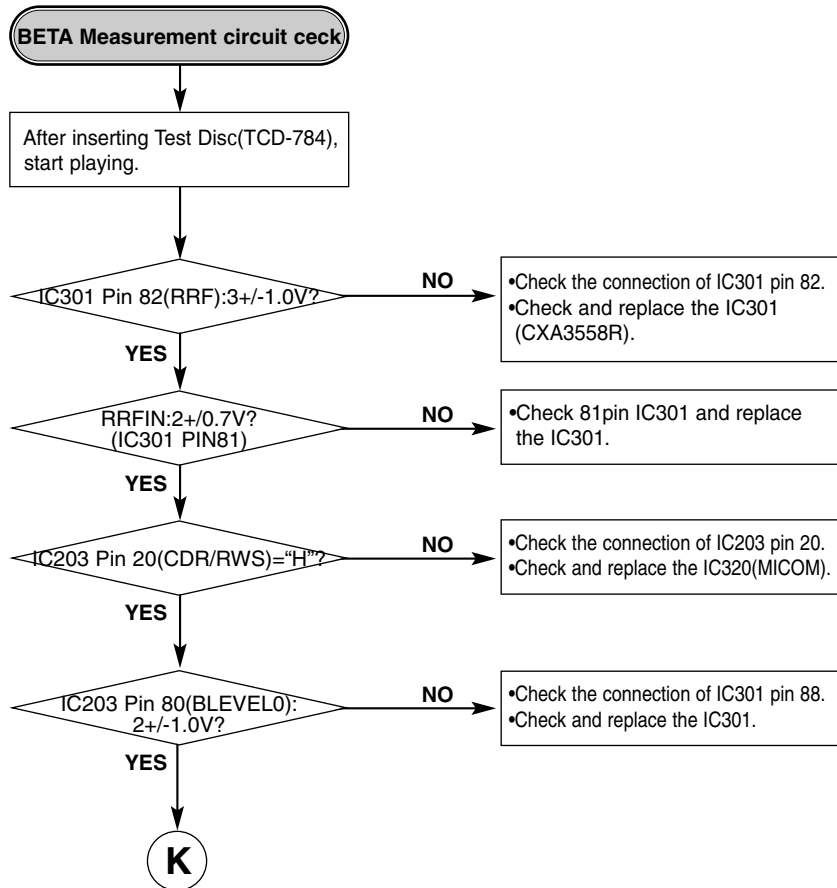
**In case of writing fail.**







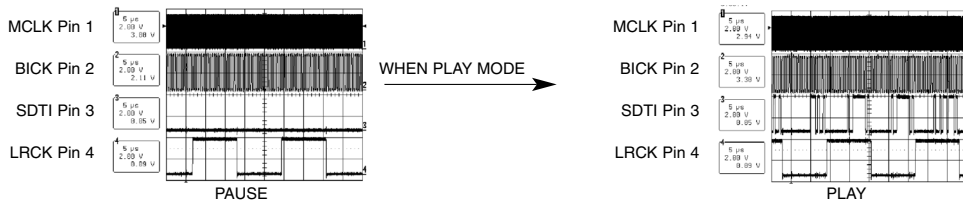




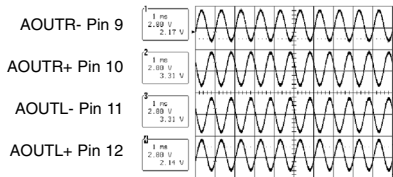
# WAVEFORM(I/O)

## ★ PLAYBACK MODE

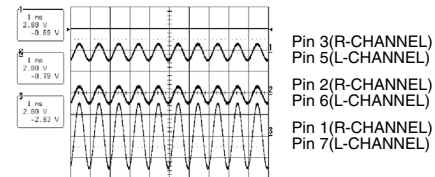
1. IC7V1(DAC) Pin1(MCLK), Pin2(BICK), Pin3(SDTI), Pin4(LRCK)



2. IC7VA(DAC) Pin9, Pin10, Pin11, Pin12 OUTPUT PIN



3. IC704(OP-AMP) Pin3(input), Pin2(input), Pin1(output)

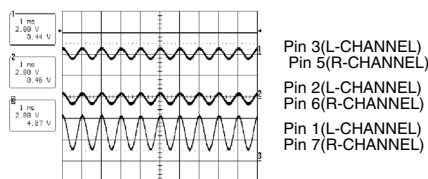


## ★ EXT.RECORD(ANALOG) MODE

4. IC7V2(ADC) Pin11(MCLK), Pin12(SCLK), Pin10(LRCK), Pin9(STDO)



5. IC702(OP-AMP) Pin3(input), Pin2(input), Pin1(output)



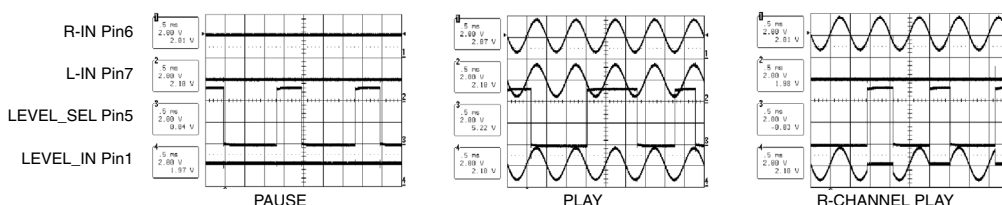
## ★ EXT.RECORD(OPTICAL) MODE

6. IC706 Pin10(Optical in)

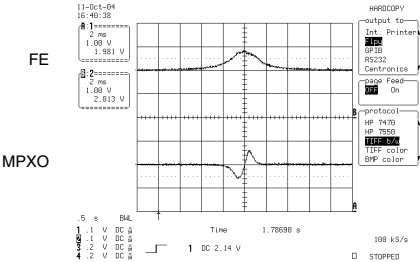


## ★ AUDIO LEVEL METER

7. IC703 Pin6(R-in), Pin7(L\_in), Pin5(Level Select), Pin1(A\_LEVEL\_IN)

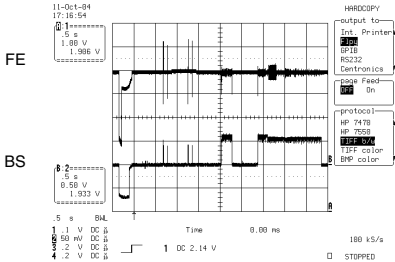


# WAVEFORM(RW)



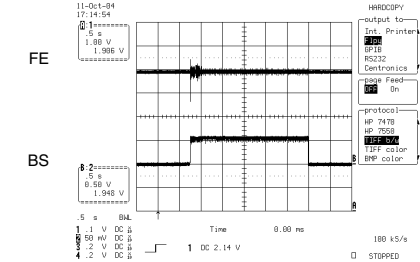
## DISC DETECTION

IC301 PIN58(FE), PIN19(MPXO)



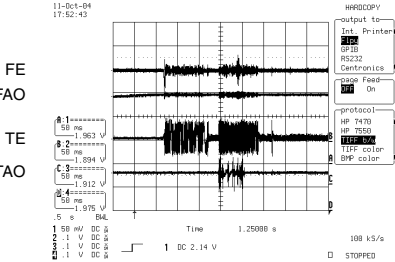
## TOC

IC301 PIN58(FE), IC201 PIN201(BS)



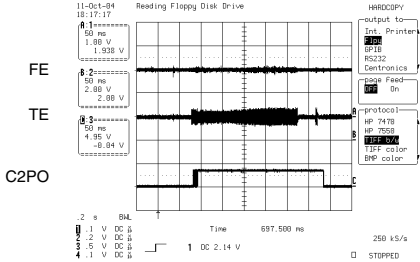
## PLAY / STOP

IC301 PIN58(FE), IC201 PIN201(BS)



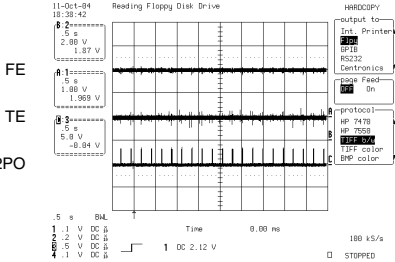
## PLAY / STOP

IC301 PIN58(FE), IC201 PIN207(FAO)  
IC301 PIN57(TE), IC201 PIN208(TAO)



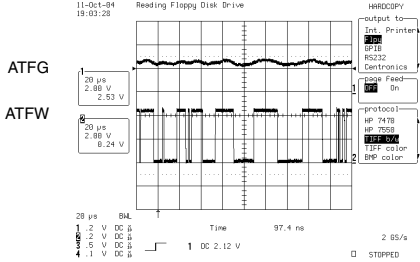
## TRACK JUMP

IC301 PIN58(FE), IC301 PIN57(TE)  
IC201 PIN147(C2PO)



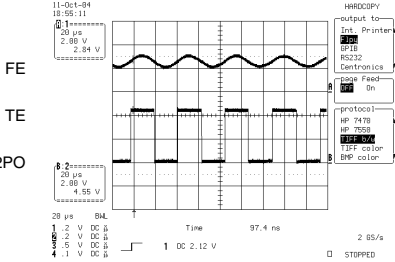
## PLAYBACK MODE (DEFECT DISC)

IC301 PIN58(FE), IC301 PIN57(TE)  
IC201 PIN147(C2PO)



## PLAYBACK MODE (CDDA DISC)

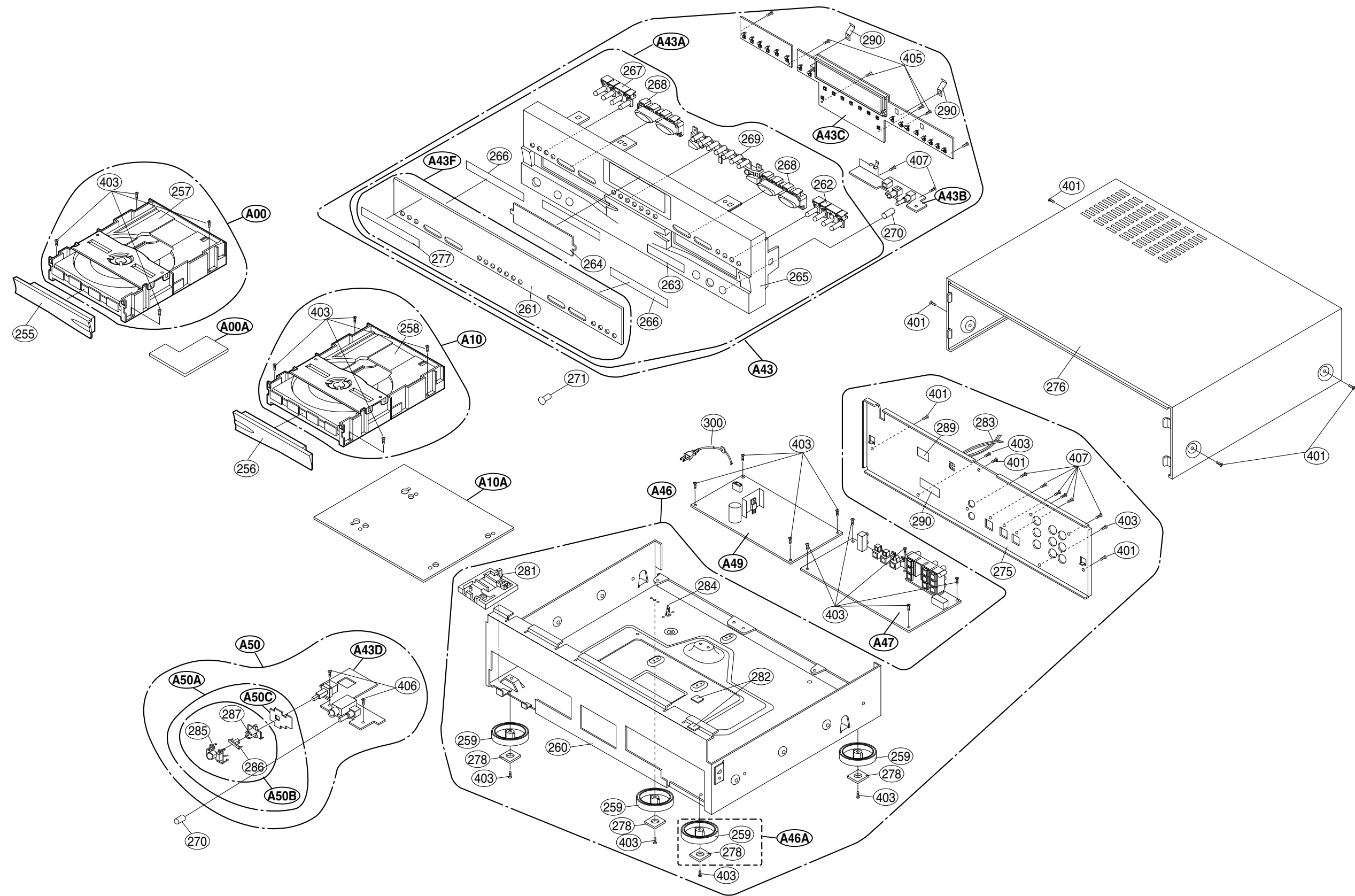
IC301 PIN23(ATFW), IC301 PIN30(ATFG)



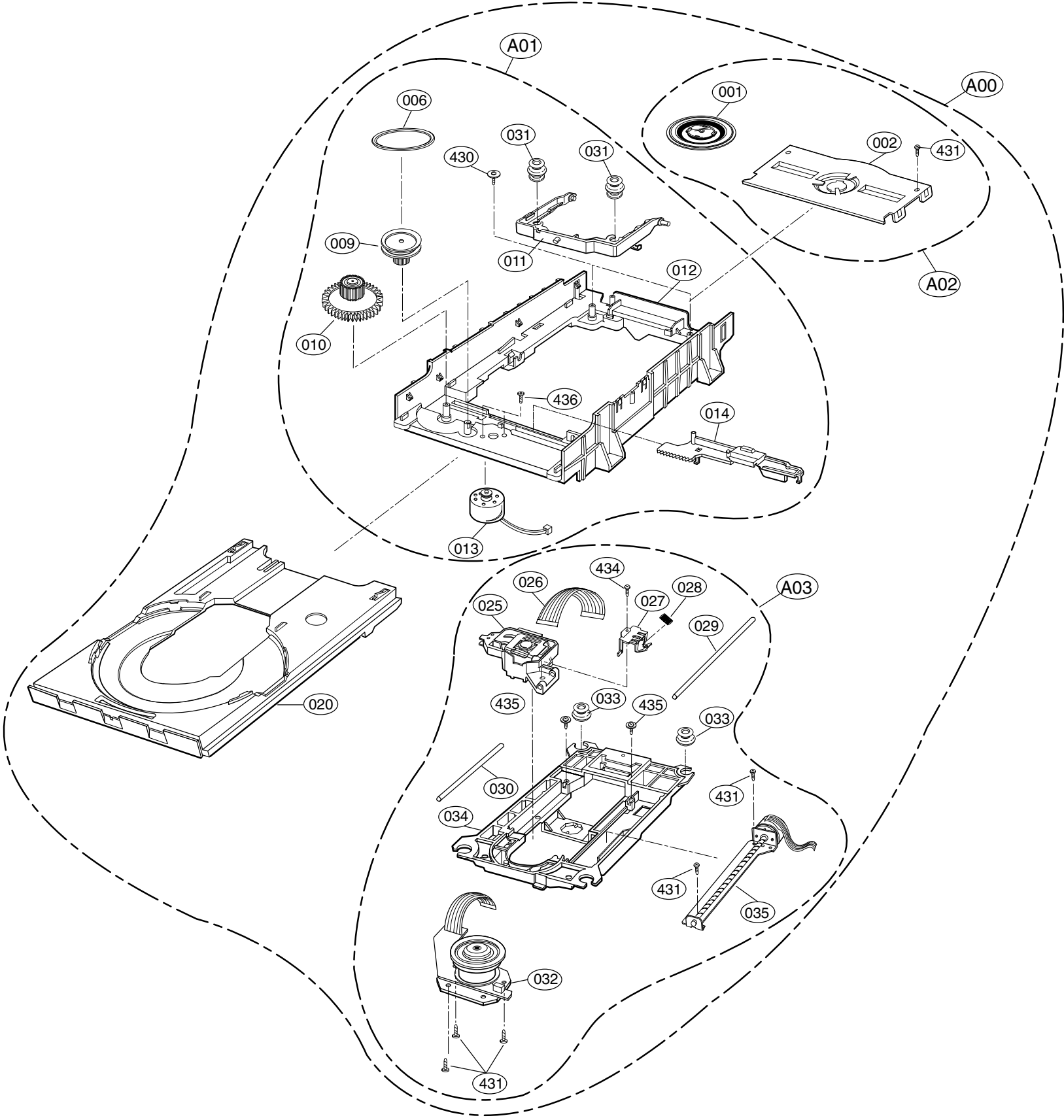
## PLAYBACK MODE (R, RW DISC)

IC301 PIN23(ATFW), IC301 PIN30(ATFG)

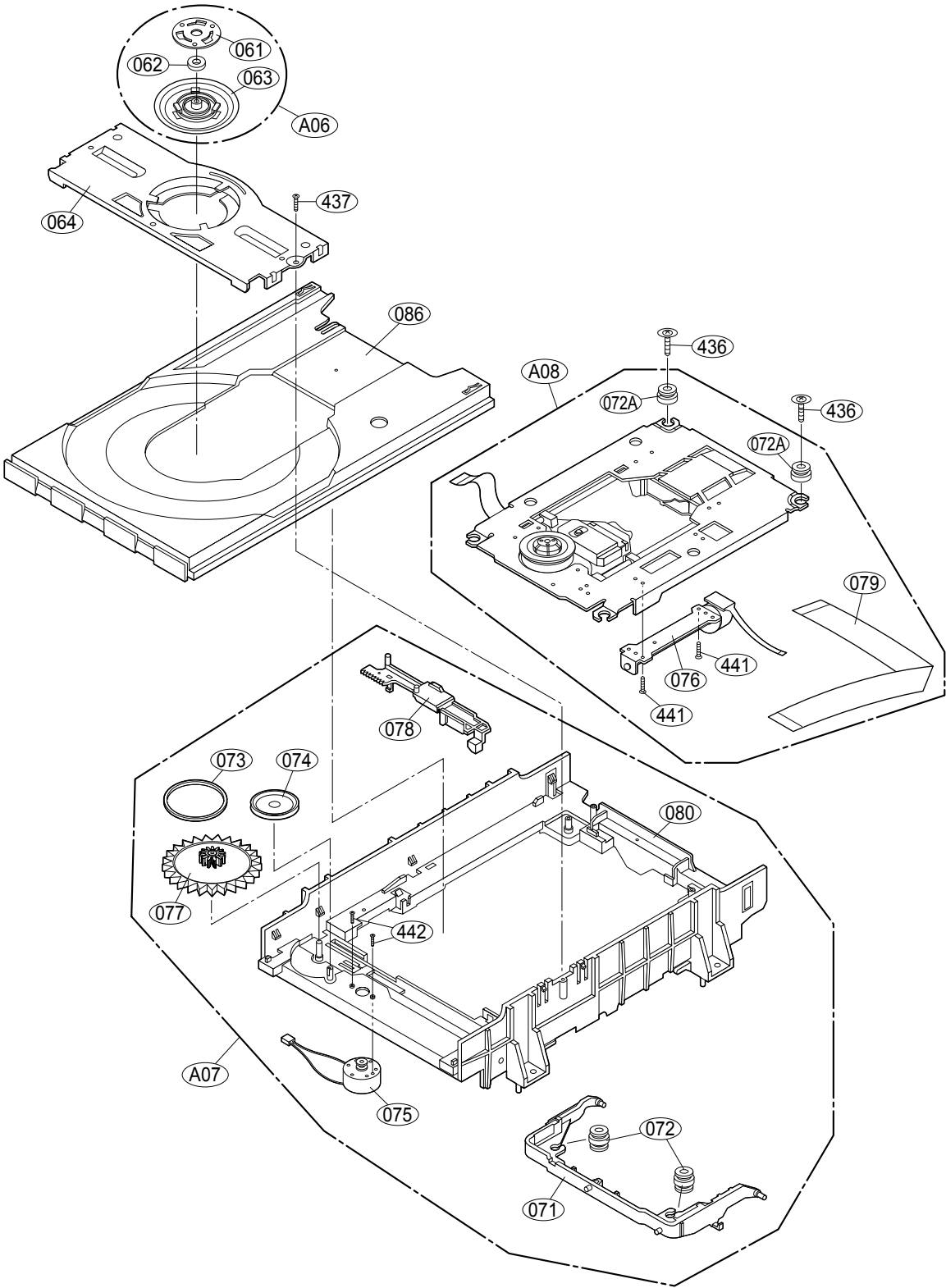
EXPLODED VIEW  
CABINET & MAIN FRAM SECTION



• CD PLAY SECTION



• CD RECORD SECTION



# MECHANICAL PARTS LIST

MODELS:(A)CDR25, (B)CDR26 H/K

## .MECHANICAL SECTION

NSP:Not Service Part

| S                                        | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION               | SPECIFICATION                  | REMARKS |
|------------------------------------------|----|---------|-------------|---|---|---------------------------|--------------------------------|---------|
| <b>ASSEMBLY PARTS SECTION</b>            |    |         |             |   |   |                           |                                |         |
|                                          |    | A00     | 6721R-W672A |   | O | DECK ASSEMBLY,AUDIO       | ADR-670 P+PCB                  |         |
|                                          |    | A00     | 6721R-W674A |   | O | DECK ASSEMBLY,AUDIO       | CDP ASSY + DECK                |         |
|                                          |    | A00A    | 6871R-7014A |   | O | PWB(PCB) ASSEMBLY,TOTAL   | ADR-670 AA1US MD-SUB           |         |
|                                          |    | A01     | 4405RHD004A |   | O | MECHANISM ASSY            | MAIN LOADING 700 ACDR          |         |
|                                          |    | A02     | 4931RH0002A |   | O | HOLDER ASSEMBLY           | CLAMP 800                      |         |
|                                          |    | A03     | 4405RHD007B |   | O | MECHANISM ASSEMBLY        | PU UNIT 800P ACDR              |         |
|                                          |    | A06     | 4861RH0003A |   | O | CLAMP ASSEMBLY            | DISC 800                       |         |
|                                          |    | A07     | 4405RHD004A |   | O | MECHANISM ASSY            | MAIN LOADING 700 ACDR          |         |
|                                          |    | A08     | 4405RHD008A |   | O | MECHANISM ASSEMBLY        | PU UNIT 800RW ACDR             |         |
|                                          |    | A10     | 6721R-0765A |   | O | DECK ASSEMBLY,AUDIO       | RW ASSY + DECK                 |         |
|                                          |    | A10A    | 6871R-7020A |   | O | PWB(PCB) ASSEMBLY,TOTAL   | ADR-680 ALL RW                 |         |
| <b>PARTS SECTION</b>                     |    |         |             |   |   |                           |                                |         |
|                                          |    | 001     | 4861RH0003A |   | O | CLAMP ASSEMBLY            | DISC 800                       |         |
|                                          |    | 002     | 4830R-0209A |   | O | HOLDER                    | CLAMO (CDM-700)                |         |
|                                          |    | 006     | 4400H-1009A |   | O | BELT                      | GM-RT1332A                     |         |
|                                          |    | 009     | 4470R-0055A |   | O | GEAR                      | PULLEY                         |         |
|                                          |    | 010     | 4470R-0056A |   | O | GEAR                      | LOADING                        |         |
|                                          |    | 011     | 3040R-0035A |   | O | BASE                      | UP/DOWN (CDM-700)              |         |
|                                          |    | 012     | 3040R-0034A |   | O | BASE                      | MAIN (CDM-700)                 |         |
|                                          |    | 013     | 4681RHA002A |   | O | MOTOR ASSY                | LOADING                        |         |
|                                          |    | 014     | 4974R-0029A |   | O | GUIDE                     | UP/DOWN (CDM-700)              |         |
|                                          |    | 020     | 3390R-0009A |   | O | TRAY                      | DISC (CDM-700, BLACK)          |         |
|                                          |    | 025     | 6716S-E001A |   | O | PICK UP,CD                | SF-P151EXVA SANYO ROM ACDR     |         |
|                                          |    | 026     | 6850R-JQ24A |   | O | CABLE,FLAT                | P=1.0 FFC UL2896(0.035X0.7) 17 |         |
|                                          |    | 027     | 4974R-0031A |   | O | GUIDE                     | FEED (CDM-700P, MATSUSHITA)    |         |
|                                          |    | 028     | 4970H-1086A |   | O | SPRING                    | FEED(GM-RT1332A)               |         |
|                                          |    | 032     | 4680R-C009A |   | O | MOTOR(MECH)               | SPINDLE MSDH-C005A LGIT CDP    |         |
|                                          |    | 033     | 5040R-0053B |   | O | RUBBER                    | REAR (CDM-800) GREY            |         |
|                                          |    | 034     | 3040R-0036A |   | O | BASE                      | P/U (CDM-700)                  |         |
|                                          |    | 035     | 4680R-E004A |   | O | MOTOR(MECH)               | FEEDING MSP-C-LM01A MASTER PRE |         |
|                                          |    | 061     | 3300R-0547A |   | O | PLATE                     | CLAMP                          | NSP     |
|                                          |    | 062     | 5016H-1016B |   | O | MAGNET                    | CLAMP(LDM-R608,10*5,1*1.5T)    | NSP     |
|                                          |    | 063     | 4860R-0015A |   | O | CLAMP                     | LOWER(CDM-800)                 | NSP     |
|                                          |    | 064     | 4930R-0209A |   | O | HOLDER                    | CLAMP (CDM-700)                |         |
|                                          |    | 071     | 3040R-0035A |   | O | BASE                      | UP/DOWN (CDM-700)              |         |
|                                          |    | 072     | 5040R-0054A |   | O | RUBBER                    | FRONT (CDM-700)                |         |
|                                          |    | 072A    | 5040R-0053A |   | O | RUBBER                    | REAR (CDM-700)                 |         |
|                                          |    | 073     | 4400H-1009A |   | O | BELT                      | GM-RT1332A                     |         |
|                                          |    | 074     | 4470R-0055A |   | O | GEAR                      | PULLEY                         |         |
|                                          |    | 075     | 4681RHA002A |   | O | MOTOR ASSY                | LOADING                        |         |
|                                          |    | 077     | 4470R-0056A |   | O | GEAR                      | LOADING                        |         |
|                                          |    | 078     | 4974R-0029A |   | O | GUIDE                     | UP/DOWN (CDM-700)              |         |
|                                          |    | 079     | 6850HD4P16C |   | O | CABLE,FLEXIBLF            | SFBNCD-TN2 BANDO UL20624 0.5MM |         |
|                                          |    | 080     | 3040R-0034A |   | O | BASE                      | MAIN (CDM-700)                 |         |
|                                          |    | 086     | 3390R-0009A |   | O | TRAY                      | DISC (CDM-700,BLACK)           |         |
| <b>SCREW</b>                             |    |         |             |   |   |                           |                                |         |
|                                          |    | 403     | 353-046N    |   | O | SCREW,DRAWING             | SPECIAL(3X8 BK.)               |         |
|                                          |    | 403     | 353-051G    |   | O | SCREW,DRAWING             | + 2 D3.0 L8.0 MSWR3/FN TB ROUN |         |
|                                          |    | 405     | 353-051A    |   | O | SCREW                     | SPECIAL                        |         |
|                                          |    | 406     | 1TRL0302016 |   | O | SCREW TAPPING,BRIZER HEAD | D 3.0 L 6.0 MSWR3/(BK)         |         |
|                                          |    | 407     | 353-046K    |   | O | SCREW                     | SPECIAL (3X10 B.K)             |         |
|                                          |    | 407     | 353-051AAAA |   | O | SCREW                     | TAP/T,WASHER 3X10 FZY,H/D:9.5  |         |
|                                          |    | 431     | 1SZZH-1007B |   | O | SCREW,DRAWING             | + D2.0 6MM SWRCH16A/ZNBK 4MM 1 |         |
|                                          |    | 434     | 1SZZH-1011B |   | O | SCREW,DRAWING             | + D1.7 6MM SWRCH16A/NIY 3.5MM  |         |
|                                          |    | 435     | 1SZZH-1004A |   | O | SCREW,                    | + D1.7 5MM SWRCH16A/ZNY 3.5MM  |         |
|                                          |    | 439     | 1SZZH-1020C |   | O | SCREW,                    | + D2.0 4.5MM SWRCH16A/ZNY 4MM  |         |
|                                          |    | 442     | 4000H-1006B |   | O | SCREW,DRAWING             | + D1.7 4.5MM SWRCH16A/ZNY 4MM  |         |
| <b>.CABINET &amp; MAIN FRAME SECTION</b> |    |         |             |   |   |                           |                                |         |
| <b>ASSEMBLY PARTS SECTION</b>            |    |         |             |   |   |                           |                                |         |
|                                          |    | A43     | 3501R-7023A |   | O | BOARD ASSEMBLY            | PNL ASSY                       |         |
|                                          |    | A43     | 3501R-7023B |   | O | BOARD ASSEMBLY            | PNL ASSY                       |         |

| S                                       | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                    | SPECIFICATION                  | REMARKS |
|-----------------------------------------|----|---------|-------------|---|---|--------------------------------|--------------------------------|---------|
|                                         |    | A43A    | 3721R-F171E |   | O | PANEL ASSEMBLY,FRONT           | FRONT (ADR680 USA HZ)          |         |
|                                         |    | A43A    | 3721R-F171F |   | O | PANEL ASSEMBLY,FRONT           | FRONT (ADR680 EUROPE HZ)       |         |
|                                         |    | A43B    | 6871RU7024A |   | O | PWB(PCB) ASSEMBLY,SUBSET(AUDIO | ADR-680 ALL DIGITAL JACK       |         |
|                                         |    | A43C    | 6871RF7023A |   | O | PWB(PCB) ASSEMBLY,FRONT(AUDIO) | ADR-680 JA1UHH (USA)           |         |
|                                         |    | A43F    | 3790R-P022B |   | O | WINDOW                         | FL ASSY ADR 680 EUROPE         |         |
|                                         |    | A43F    | 3790R-P022C |   | O | WINDOW                         | FL ASSY ADR 680 USA            |         |
|                                         |    | A46     | 3141R-0021L |   | O | CHASSIS ASSEMBLY               | ADR-680 USA                    |         |
|                                         |    | A46     | 3141R-0021M |   | O | CHASSIS ASSEMBLY               | ADR-680 EUROPE                 |         |
|                                         |    | A46A    | 3610RB0001F |   | O | FOOT                           | BOTTOM ASSY(ADR-700)           |         |
|                                         |    | A46A    | 3610RB0001G |   | O | FOOT                           | BOTTOM ASSY(ADR-680.USA)       |         |
|                                         |    | A47     | 6871R-7021A |   | O | PWB(PCB) ASSEMBLY,TOTAL        | ADR-680 ALL I/O                |         |
|                                         |    | A49     | 3501R-7022A |   | O | BOARD ASSEMBLY                 | POWER BOARD ASSY               |         |
|                                         |    | A49     | 3501R-7022B |   | O | BOARD ASSEMBLY                 | ADR-680 POWER BOARD ASSY TOTAL |         |
| <b>PARTS SECTION</b>                    |    |         |             |   |   |                                |                                |         |
|                                         |    | 255     | 3580R-T012A |   | O | DOOR                           | PLAY TRAY(AADR700.KTH1K)       |         |
|                                         |    | 255     | 3580R-T012B |   | O | DOOR                           | PLAY TRAY(ADR680.USA)          |         |
|                                         |    | 256     | 3580R-T011B |   | O | DOOR                           | ACDR TRAY (ADR680.USA)         |         |
|                                         |    | 257     | 6721RJ0321A |   | O | DECK ASSEMBLY,AUDIO            | CDM-800P(CKD)                  |         |
|                                         |    | 258     | 6721RJ0322A |   | O | DECK ASSEMBLY,AUDIO            | CDM-800RW(CKD)                 |         |
|                                         |    | 259     | 3610S-0192A |   | O | FOOT                           | BOTTOM(ADR-600 KTH1)           |         |
|                                         |    | 259     | 3610S-0192G |   | O | FOOT                           | ADR-680 (USA)                  |         |
|                                         |    | 260     | 3140R-0021C |   | O | CHASSIS                        | MAIN(ADR-680) PRESS            |         |
|                                         |    | 261     | 3790R-D223A |   | O | WINDOW,DECO                    | DECORATION (ADR-680_CDR25_EURO |         |
|                                         |    | 261     | 3790R-D223B |   | O | WINDOW,DECO                    | DECORATION (ADR-680_CDR26_USA) |         |
|                                         |    | 262     | 4940R-T024A |   | O | KNOB                           | ACDR 7K(AADR700.KTH1K)         |         |
|                                         |    | 264     | 3300R-P008A |   | O | PLATE                          | FL(ADR-700)                    |         |
|                                         |    | 265     | 3720R-M002C |   | O | PANEL,AUDIO                    | FRONT(ADR680.USA)              |         |
|                                         |    | 265     | 3720R-M002D |   | O | PANEL,AUDIO                    | FRONT(ADR680.EUROPE)           |         |
|                                         |    | 266     | 3300R-X020A |   | O | PLATE                          | LED 8K(ADR-700)                |         |
|                                         |    | 267     | 4940R-T022A |   | O | KNOB                           | PLAY 4K(AADR700 KTH1K)         |         |
|                                         |    | 268     | 4940R-T023A |   | O | KNOB                           | SEESAW 4K(AADR700.KTH1K)       |         |
|                                         |    | 269     | 4940R-T019A |   | O | KNOB                           | REC 8KEY(AADR700.KTH1K)        |         |
|                                         |    | 269     | 4940R-T019B |   | O | KNOB                           | REC 8KEY(ADR680.USA)           |         |
|                                         |    | 270     | 4940R-V013A |   | O | KNOB                           | VOLUME (AADR700.KTH1K)         |         |
|                                         |    | 271     | 3550R-0339A |   | O | COVER                          | OPTICAL(ADR-700)               |         |
|                                         |    | 275     | 3720R-Z012F |   | O | PANEL                          | BACK(ADR680.USA )              |         |
|                                         |    | 275     | 3720R-Z012G |   | O | PANEL                          | BACK(ADR680.EUROPE )           |         |
|                                         |    | 276     | 3110R-0218A |   | O | CASE                           | TOP(AADR700.KTH1K)             |         |
|                                         |    | 277     | 3846S-0208A |   | O | MARK                           | HARMAN KARDON BADGE(ADR-600 KT |         |
|                                         |    | 277     | 3846S-0208B |   | O | MARK                           | CD PLAY AL BADGE(CDR-600 AH1)  |         |
|                                         |    | 278     | 4766R-0003B |   | O | FELT                           | 19.7*19.7 BLACK                |         |
|                                         |    | 281     | 4930R-0219B |   | O | HOLDER                         | POWER(ADR-700 FOR CE)          |         |
|                                         |    | 283     | 327-013C    |   | O | CLAMP                          | CORD                           | NSP     |
|                                         |    | 284     | 322-001E    |   | O | SUPPORTER                      | SUPPORTER PWB DABS 16R         |         |
|                                         |    | 286     | 4510R-0028A |   | O | LEVER                          | POWER(AADR700)                 |         |
|                                         |    | 287     | 3680R-A002A |   | O | LENS                           | POWER(AADR700.KTH1K)           |         |
|                                         |    | 290     | 3300R-0211A |   | O | PLATE                          | TIMER GND(DVD-2200'S)          |         |
|                                         |    | 300     | 6410RAHS02Z |   | O | POWER CORD                     | AP-10W NI SP2 CORE 80 STP AWIA |         |
|                                         |    | 300     | 6410RCHS02Z |   | O | POWER CORD                     | EP11 LTFZ-2F 2*0.75 EMI OR AIW |         |
| <b>SCREW</b>                            |    |         |             |   |   |                                |                                |         |
|                                         |    | 454     | 1SZZH-1005B |   | O | SCREW,                         | + D1.7 3MM SWRCH16A/NIY 3MM 0. |         |
| <b>.PACKING &amp; ACCESSORY SECTION</b> |    |         |             |   |   |                                |                                |         |
|                                         |    | 801     | 3829RDT005S |   | O | MANUAL ASSEMBLY,OWNERS         | O/M ASSY ADR-680 JA1UHH H/KAR  |         |
|                                         |    | 801     | 3829RDT005T |   | O | MANUAL ASSEMBLY,OWNERS         | O/M ASSY ADR-680 JA3FHH H/KAR  |         |
|                                         |    | 802     | 3890R-C050A |   | O | BOX,MASTER                     | ADR-680 FOR US - 1             |         |
|                                         |    | 802     | 3890R-C050B |   | O | BOX,MASTER                     | ADR-680 EU - 1                 |         |
|                                         |    | 803     | 3920R-E029A |   | O | PACKING,CASING                 | ADR-710 0.02 82 EPS 8 900 1800 |         |
|                                         |    | 804     | 3880SCS001F |   | O | BAG                            | HDPE 550 600 0.5 ACDR(HZ)      | NSP     |
|                                         |    | 808     | 534-002C    |   | O | BATTERY,MANGANESE              | AAM UM-3 SEOTONG 1-5 V - LOL 1 |         |
|                                         |    | 850     | 3008R-0004A |   | O | DISC                           | CD-R HARMAN KARDON(2ND)        |         |
|                                         |    | 851     | 564-036D    |   | O | PLUG CONTACT CORD,PHONE        | PHONE 1.5MZ 1185#26            |         |
|                                         |    | 852     | 564-036J    |   | O | CORD                           | DIGIATL 1.5M 1365#30 ORANGE N  |         |
| <b>.REMOTE CONTROL SECTION</b>          |    |         |             |   |   |                                |                                |         |
|                                         |    | 900     | 6711R1Z017E |   | O | REMOTE CONTROLLER ASSEMBLY     | HANGO 43KEY ADR-680 HARMAN KAR |         |

# ELECTRICAL PARTS LIST [

## (A) CDR25 (B) CDR26

### ELECTRICAL SECTION

| S                | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION | SPECIFICATION                      | REMARKS                        |
|------------------|----|---------|-------------|---|---|-------------|------------------------------------|--------------------------------|
| <b>CAPACITOR</b> |    |         |             |   |   |             |                                    |                                |
|                  |    |         | C100        |   |   | 624-085D    | O O CAPACITOR                      | CE 47UF/50V KME (SMPS)         |
|                  |    |         | C101        |   |   | 624-088F    | O O CAPACITOR,DRAWING              | PCX2 275V 0.1UF,M (PILKO)      |
|                  |    |         | C102        |   |   | 624-088F    | O O CAPACITOR,DRAWING              | PCX2 275V 0.1UF,M (PILKO)      |
|                  |    |         | C103        |   |   | 624-082C    | O O CAPACITOR,AL.ELECTROLYTIC      | 100MF/400V SHL SMPS S/Y        |
|                  |    |         | C104        |   |   | 0CN1040K949 | O O CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |
|                  |    |         | C105        |   |   | 0CQ1031Y519 | O O CAPACITOR,POLYESTER            | 0.01UF D 630V K PE NI TP       |
|                  |    |         | C106        |   |   | 624-087B    | O O CAPACITOR                      | HIGH-VOL 100P/1KV SMPS SAMHWA  |
|                  |    |         | C107        |   |   | 0CG3310U510 | O CAPACITOR,FIXED CERAMIC(TEMP.C   | 330PF D 400V 10% B(Y5P) R      |
|                  |    |         | C108        |   |   | 0CE1076F638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 100UF SMS,SG 16V 20% FM5 TP 5  |
|                  |    |         | C109        |   |   | 0CQ4732K409 | O O CAPACITOR,FIXED FILM           | 0.047UF S 50V J PE TP          |
|                  |    |         | C110        |   |   | 0CE4754K638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 4.7UF SRA,SS 50V 20% FM5 TP 5  |
|                  |    |         | C111        |   |   | 0CE4754K638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 4.7UF SRA,SS 50V 20% FM5 TP 5  |
|                  |    |         | C113        |   |   | 0CG3320U630 | O CAPACITOR,SEMI CERAMIC           | 3300 PF 400V M E R(NK,AD,SD)   |
|                  |    |         | C113        |   |   | 624-086B    | O CAPACITOR                        | AC-CON 103/400V SMPS NEW-KORE  |
|                  |    |         | C114        |   |   | 624-086B    | O CAPACITOR                        | AC-CON 103/400V SMPS NEW-KORE  |
|                  |    |         | C115        |   |   | 0CE2276D618 | O O CAPACITOR,FIXED ELECTROLYTIC   | 220UF SMS,SG 10V 20% FL TP 5   |
|                  |    |         | C116        |   |   | 0CE108BF630 | O O CAPACITOR,FIXED ELECTROLYTIC   | 1000UF KME 16V M FM5 BULK      |
|                  |    |         | C117        |   |   | 0CE1086C638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 1000000000 PF SMS,SG 6.3V M FM |
|                  |    |         | C118        |   |   | 0CN1040K949 | O O CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |
|                  |    |         | C119        |   |   | 624-085D    | O O CAPACITOR                      | CE 47UF/50V KME (SMPS)         |
|                  |    |         | C120        |   |   | 0CE1076F638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 100UF SMS,SG 16V 20% FM5 TP 5  |
|                  |    |         | C121        |   |   | 624-085D    | O O CAPACITOR                      | CE 47UF/50V KME (SMPS)         |
|                  |    |         | C123        |   |   | 0CE108BF630 | O O CAPACITOR,FIXED ELECTROLYTIC   | 1000UF KME 16V M FM5 BULK      |
|                  |    |         | C124        |   |   | 0CE1086C638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 1000000000 PF SMS,SG 6.3V M FM |
|                  |    |         | C126        |   |   | 0CE108BF630 | O O CAPACITOR,FIXED ELECTROLYTIC   | 1000UF KME 16V M FM5 BULK      |
|                  |    |         | C127        |   |   | 0CE4764F638 | O O CAPACITOR,ELECTROLYTIC         | 47M SRA/SS 16V M FM5 TP(5)     |
|                  |    |         | C128        |   |   | 0CQ4732K409 | O O CAPACITOR,FIXED FILM           | 0.047UF S 50V J PE TP          |
|                  |    |         | C131        |   |   | 0CE4764F638 | O O CAPACITOR,ELECTROLYTIC         | 47M SRA/SS 16V M FM5 TP(5)     |
|                  |    |         | C132        |   |   | 0CE1076F638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 100UF SMS,SG 16V 20% FM5 TP 5  |
|                  |    |         | C137        |   |   | 0CE1076F638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 100UF SMS,SG 16V 20% FM5 TP 5  |
|                  |    |         | C138        |   |   | 0CE1076F638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 100UF SMS,SG 16V 20% FM5 TP 5  |
|                  |    |         | C141        |   |   | 0CE1076F638 | O O CAPACITOR,FIXED ELECTROLYTIC   | 100UF SMS,SG 16V 20% FM5 TP 5  |
|                  |    |         | C201        |   |   | 0CH8106F611 | O O CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |
|                  |    |         | C202        |   |   | 0CH4100K412 | O O CAPACITOR,CHIP[CERAMIC M/L TC  | 10PF 50V J NP0 1608 R/TP       |
|                  |    |         | C207        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C208        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C209        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C210        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C211        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C212        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C213        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C214        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C215        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C216        |   |   | 0CH1102K512 | O O CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |
|                  |    |         | C217        |   |   | 0CH1472K512 | O O CAPACITOR,FIXED CERAMIC(Temp.c | 4700PF 50V 10% B(5YP) 1608 R/T |
|                  |    |         | C218        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C219        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C220        |   |   | 0CH1103K562 | O O CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |
|                  |    |         | C221        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C222        |   |   | 0CH1332K512 | O O CAPACITOR,FIXED CERAMIC(Temp.c | 3300PF 50V 10% B(5YP) 1608 R/T |
|                  |    |         | C223        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C224        |   |   | 0CH1103K562 | O O CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |
|                  |    |         | C225        |   |   | 0CH1103K562 | O O CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |
|                  |    |         | C244        |   |   | 0CH1153H562 | O O CAPA,CHIP CERAMIC M/L H.D F/S  | 0.015UF 25V K X7R(X) 1508 R/TP |
|                  |    |         | C245        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C246        |   |   | 0CH8106F611 | O O CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |
|                  |    |         | C247        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C248        |   |   | 0CH8106F611 | O O CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |
|                  |    |         | C249        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C250        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C251        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C252        |   |   | 0CH1103K562 | O O CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |
|                  |    |         | C253        |   |   | 0CH8106F611 | O O CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |
|                  |    |         | C254        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |
|                  |    |         | C255        |   |   | 0CH1104K942 | O O CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                    | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|--------------------------------|--------------------------------|---------|
|   |    | C256    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C258    | 0CH4101K412 | O | O | CHIP CAPA CERAMIC M/L T.C F/S  | 100P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C259    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C260    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C261    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C262    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C263    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C264    | 0CH1153H562 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 0.015UF 25V K X7R(X) 1508 R/TP |         |
|   |    | C265    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C266    | 0CH1473H942 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 0.0470UF 25V Z Y5V(F) 1608 R/T |         |
|   |    | C268    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C269    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C270    | 0CH4150K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 15P 50V J COG 1.6X0.8 R/TP     |         |
|   |    | C271    | 0CH4150K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 15P 50V J COG 1.6X0.8 R/TP     |         |
|   |    | C277    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C279    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C280    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C281    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C285    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C290    | 0CH1473H942 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 0.0470UF 25V Z Y5V(F) 1608 R/T |         |
|   |    | C291    | 0CH1473H942 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 0.0470UF 25V Z Y5V(F) 1608 R/T |         |
|   |    | C2A1    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C301    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C302    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C303    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C304    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C305    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C306    | 0CH4470K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 47P 50V J COG 1.6X0.8 R/TP     |         |
|   |    | C307    | 0CH4270K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 27PF 50V J NP0 1608 R/TP       |         |
|   |    | C308    | 0CH4270K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 27PF 50V J NP0 1608 R/TP       |         |
|   |    | C309    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C310    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C311    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C312    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C315    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C316    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C317    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C318    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C319    | 0CH4331K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 330P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C320    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C321    | 0CH8227C621 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 220UF 6.3V M 105STD (CYL) R/TP |         |
|   |    | C322    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C325    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C326    | 0CH1222K512 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 2200PF 50V K B 1608 R/TP       |         |
|   |    | C327    | 0CH1222K512 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 2200PF 50V K B 1608 R/TP       |         |
|   |    | C328    | 0CH1471K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 470PF 50V 10% X7R(X) 1608 R/TP |         |
|   |    | C329    | 0CH1471K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 470PF 50V 10% X7R(X) 1608 R/TP |         |
|   |    | C330    | 0CH1471K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 470PF 50V 10% X7R(X) 1608 R/TP |         |
|   |    | C331    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C332    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C333    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C335    | 0CH7106C611 | O | O | CAPACITOR,FIXED TANTALUM       | 10UF 6.3V 20% 3216 TP(-)       |         |
|   |    | C336    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C337    | 0CH4331K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 330P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C338    | 0CH4151K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 150P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C339    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C340    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C341    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C342    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C343    | 0CH1154F516 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.15UF 16V 10% B(5YP) 2012 R/T |         |
|   |    | C344    | 0CH4151K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 150P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C345    | 0CH1153H562 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 0.015UF 25V K X7R(X) 1508 R/TP |         |
|   |    | C346    | 0CH4151K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 150P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C347    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C348    | 0CH1333K562 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.033UF 50V K X7R(X) 1508 R/TP |         |
|   |    | C349    | 0CH1333K562 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.033UF 50V K X7R(X) 1508 R/TP |         |
|   |    | C350    | 0CH1333K562 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.033UF 50V K X7R(X) 1508 R/TP |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                    | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|--------------------------------|--------------------------------|---------|
|   |    | C351    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C352    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC      | 100UF 16V M 6666 R/TP          |         |
|   |    | C353    | 0CH1334F946 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.33UF 16V 80%,-20% Y5V(F) 201 |         |
|   |    | C354    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C362    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C363    | 0CH4331K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 330P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C364    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C365    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C367    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C368    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C369    | 0CH4221K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 220P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C370    | 0CH4101K412 | O | O | CHIP CAPA CERAMIC M/L T.C F/S  | 100P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C371    | 0CH4101K412 | O | O | CHIP CAPA CERAMIC M/L T.C F/S  | 100P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C372    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C373    | 0CH1473K562 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 47000PF 50V K X7R(X) 1608 R/TP |         |
|   |    | C374    | 0CH1334F946 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.33UF 16V 80%,-20% Y5V(F) 201 |         |
|   |    | C375    | 0CH1334F946 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.33UF 16V 80%,-20% Y5V(F) 201 |         |
|   |    | C376    | 0CH1152K512 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 1500PF 50V K B 1608 R/TP       |         |
|   |    | C377    | 0CH1152K512 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 1500PF 50V K B 1608 R/TP       |         |
|   |    | C378    | 0CH4101K412 | O | O | CHIP CAPA CERAMIC M/L T.C F/S  | 100P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C380    | 0CH4151K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 150P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C381    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C382    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C384    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C385    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C386    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C387    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C388    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C389    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C390    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C391    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC      | 100UF 16V M 6666 R/TP          |         |
|   |    | C392    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC      | 100UF 16V M 6666 R/TP          |         |
|   |    | C395    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C396    | 0CH4070K112 | O | O | CAPACITOR,FIXED CERAMIC(High d | 7PF 50V 0.5 pF NP0 1608 R/TP   |         |
|   |    | C397    | 0CH7106H651 | O | O | CAPACITOR,FIXED TANTALUM       | 10UF 25V 20% 6032 TP(-)        |         |
|   |    | C398    | 0CH7106H651 | O | O | CAPACITOR,FIXED TANTALUM       | 10UF 25V 20% 6032 TP(-)        |         |
|   |    | C399    | 0CH1152K512 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 1500PF 50V K B 1608 R/TP       |         |
|   |    | C401    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C402    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C403    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C404    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C405    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C407    | 0CH4101K412 | O | O | CHIP CAPA CERAMIC M/L T.C F/S  | 100P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C408    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C409    | 0CH4221K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 220P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C410    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C411    | 0CH4150K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 15P 50V J COG 1.6X0.8 R/TP     |         |
|   |    | C412    | 0CH4150K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 15P 50V J COG 1.6X0.8 R/TP     |         |
|   |    | C413    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C414    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C415    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C417    | 0CH4101K412 | O | O | CHIP CAPA CERAMIC M/L T.C F/S  | 100P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C420    | 0CH4150K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 15P 50V J COG 1.6X0.8 R/TP     |         |
|   |    | C421    | 0CH4150K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 15P 50V J COG 1.6X0.8 R/TP     |         |
|   |    | C422    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C423    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C437    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C438    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C439    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C440    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C441    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C442    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C443    | 0CH1474F946 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 0.4700UF 16V Z Y5V(F) 2012 R/T |         |
|   |    | C444    | 0CH4221K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 220P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C445    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C446    | 0CH4151K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S  | 150P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C447    | 0CH1473H942 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 0.0470UF 25V Z Y5V(F) 1608 R/T |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                    | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|--------------------------------|--------------------------------|---------|
|   |    | C448    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C450    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C451    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C453    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C454    | 0CH1122K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1200PF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C455    | 0CH1333K562 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.033UF 50V K X7R(X) 1508 R/TP |         |
|   |    | C456    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C457    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C458    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C463    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C464    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C465    | 0CH8476F611 | O | O | CAPACITOR,FIXED ELECTROLYTIC   | 47UF 16V M 85STD(CYL) R/TP SAM |         |
|   |    | C468    | 0CH4121K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 120P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C469    | 0CH1332K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 3300PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C470    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C471    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C472    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C473    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C474    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C475    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C476    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C477    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C478    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C479    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C480    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C481    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C482    | 0CH1473H942 | O | O | CAPA,CHIP CERAMIC M/L H.D F/S  | 0.0470UF 25V Z Y5V(F) 1608 R/T |         |
|   |    | C491    | 0CH4331K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 330P 50V J COG 1.6X0.8 R/TP    |         |
|   |    | C492    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C493    | 0CH8227C621 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 220UF 6.3V M 105STD (CYL) R/TP |         |
|   |    | C494    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC      | 100UF 16V M 6666 R/TP          |         |
|   |    | C495    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C496    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C497    | 0CH1822K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 8200PF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C498    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C499    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C4A0    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C4A1    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C4A2    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C4A3    | 0CH1471K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 470PF 50V 10% X7R(X) 1608 R/TP |         |
|   |    | C4A4    | 0CH1471K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 470PF 50V 10% X7R(X) 1608 R/TP |         |
|   |    | C4A5    | 0CH1471K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 470PF 50V 10% X7R(X) 1608 R/TP |         |
|   |    | C4A6    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC      | 100UF 16V M 6666 R/TP          |         |
|   |    | C4A7    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C4A8    | 0CH1472K562 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 4700PF 50V K X7R(X) 1608 R/TP  |         |
|   |    | C4A9    | 0CH1472K562 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 4700PF 50V K X7R(X) 1608 R/TP  |         |
|   |    | C4E1    | 0CH4100K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 10PF 50V J NP0 1608 R/TP       |         |
|   |    | C4E2    | 0CH4100K412 | O | O | CAPACITOR,CHIP[CERAMIC M/L TC  | 10PF 50V J NP0 1608 R/TP       |         |
|   |    | C4E3    | 0CH1103K562 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C4E5    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C4E6    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C4F6    | 0CH8227C621 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI | 220UF 6.3V M 105STD (CYL) R/TP |         |
|   |    | C4F7    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C4F8    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C4G1    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C4G2    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C4G3    | 0CH1102K512 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 1000PF 50V 10% B(5YP) 1608 R/T |         |
|   |    | C501    | 0CH1105F946 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 1UF 16V Z Y5V(F) 2012 R/TP     |         |
|   |    | C502    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC      | 100UF 16V M 6666 R/TP          |         |
|   |    | C503    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C504    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C507    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C508    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C510    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C511    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C513    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C514    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD  | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                     | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|---------------------------------|--------------------------------|---------|
|   |    | C515    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C516    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C517    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C518    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C520    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C521    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C522    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C523    | 0CH1103K562 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C524    | 0CH8106F611 | O | O | CAPACITOR,CHIP[AL. ELECTROLYTI  | 10UF 16V M 85STD(CYL) R/TP     |         |
|   |    | C525    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C526    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C527    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C529    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC       | 100UF 16V M 6666 R/TP          |         |
|   |    | C530    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C531    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC       | 100UF 16V M 6666 R/TP          |         |
|   |    | C532    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C533    | 0CH8107F621 | O | O | CAPA,CHIP AL.ELECTROLYTIC       | 100UF 16V M 6666 R/TP          |         |
|   |    | C534    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C539    | 0CH1103K562 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C540    | 0CH1822K562 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 8200PF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C541    | 0CH1104K942 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 0.1UF 50V Z Y5V(F) 1508 R/TP   |         |
|   |    | C701    | 0CE228CF630 | O | O | CAPACITOR,ELECTROLYTIC          | 2200U SHL 16V M FM5            |         |
|   |    | C702    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC          | 470M SMS 10V M FL TP(5)        |         |
|   |    | C703    | 0CH1821K516 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 820PF 50V 10% B(5YP) 2012 R/TP |         |
|   |    | C704    | 0CH1821K516 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 820PF 50V 10% B(5YP) 2012 R/TP |         |
|   |    | C707    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C708    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C70B    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C70C    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C710    | 0CE1076D618 | O | O | CAPACITOR,ELECTROLYTIC          | 100M SMS 10V M FM5 TP(5)       |         |
|   |    | C711    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC          | 470M SMS 10V M FL TP(5)        |         |
|   |    | C712    | 0CE1076D618 | O | O | CAPACITOR,ELECTROLYTIC          | 100M SMS 10V M FM5 TP(5)       |         |
|   |    | C714    | 0CE2266K618 | O | O | CAPACITOR,ELECTROLYTIC          | 22M SMS 50V M FM5 TP(5)        |         |
|   |    | C715    | 0CE2266K618 | O | O | CAPACITOR,ELECTROLYTIC          | 22M SMS 50V M FM5 TP(5)        |         |
|   |    | C717    | 0CE2276H618 | O | O | CAPACITOR,ELECTROLYTIC          | 220M SMS 25V FM5 TP(5)         |         |
|   |    | C718    | 0CH4101K416 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S   | 100P 50V J NP0 2.0*1.25 R/TP   |         |
|   |    | C719    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C720    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC          | 470M SMS 10V M FL TP(5)        |         |
|   |    | C722    | 0CH1332K566 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 3300PF 50V 10% X7R(X) 2012 R/T |         |
|   |    | C723    | 0CE1076D618 | O | O | CAPACITOR,ELECTROLYTIC          | 100M SMS 10V M FM5 TP(5)       |         |
|   |    | C724    | 0CH4101K416 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S   | 100P 50V J NP0 2.0*1.25 R/TP   |         |
|   |    | C725    | 0CH1821K516 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 820PF 50V 10% B(5YP) 2012 R/TP |         |
|   |    | C726    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C727    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC          | 470M SMS 10V M FL TP(5)        |         |
|   |    | C728    | 0CQ3921N409 | O | O | CAPACITOR POLYESTER(MYLAR)      | 0.0039U 100V J POLY TP         |         |
|   |    | C730    | 0CH4221K416 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S   | 220P 50V J 2.0X1.25 R/TP       |         |
|   |    | C731    | 0CE2266K618 | O | O | CAPACITOR,ELECTROLYTIC          | 22M SMS 50V M FM5 TP(5)        |         |
|   |    | C732    | 0CH4221K416 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S   | 220P 50V J 2.0X1.25 R/TP       |         |
|   |    | C733    | 0CE2266K618 | O | O | CAPACITOR,ELECTROLYTIC          | 22M SMS 50V M FM5 TP(5)        |         |
|   |    | C734    | 0CH1103K562 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C735    | 0CH4220K412 | O | O | CAPA,CHIP CERAMIC M/L T.C F/S   | 22P 50V J COG 1.6X0.8 R/TP     |         |
|   |    | C736    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C737    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C738    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC          | 470M SMS 10V M FL TP(5)        |         |
|   |    | C739    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C740    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C742    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C744    | 0CE1076D618 | O | O | CAPACITOR,ELECTROLYTIC          | 100M SMS 10V M FM5 TP(5)       |         |
|   |    | C746    | 0CH4121K416 | O | O | CHIP CAPA CERAMIC M/L T.C F/S   | 120P 50V J NP0 2.0X1.2 R/TP    |         |
|   |    | C751    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C752    | 0CH1103K562 | O | O | CAPACITOR, FIXED CERAMIC(Temp.c | 0.01UF 50V 10% X7R(X) 1608 R/T |         |
|   |    | C756    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC          | 470M SMS 10V M FL TP(5)        |         |
|   |    | C757    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|   |    | C758    | 0CH1102K566 | O | O | CAPACITOR,CHIP[CERAMIC M/L HD   | 1000PF 50V K X7R(X) 2012 R/TP  |         |
|   |    | C761    | 0CE2266K618 | O | O | CAPACITOR,ELECTROLYTIC          | 22M SMS 50V M FM5 TP(5)        |         |
|   |    | C762    | 0CE1076F618 | O | O | CAPACITOR,ELECTROLYTIC          | 100M SMS 16V M FM5 TP(5)       |         |
|   |    | C763    | 0CH1104K946 | O | O | CAPACITOR, FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |

| S                         | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                    | SPECIFICATION                  | REMARKS |
|---------------------------|----|---------|-------------|---|---|--------------------------------|--------------------------------|---------|
|                           |    | C764    | 0CE4766D618 | O | O | CAPACITOR,ELECTROLYTIC         | 47M SMS 10V M FL TP(5)         |         |
|                           |    | C767    | 0CH4121K416 | O | O | CHIP CAPA CERAMIC M/L T.C F/S  | 120P 50V J NP0 2.0X1.2 R/TP    |         |
|                           |    | C770    | 0CE2266K618 | O | O | CAPACITOR,ELECTROLYTIC         | 22M SMS 50V M FM5 TP(5)        |         |
|                           |    | C771    | 0CE1076F618 | O | O | CAPACITOR,ELECTROLYTIC         | 100M SMS 16V M FM5 TP(5)       |         |
|                           |    | C773    | 0CH1104K946 | O | O | CAPACITOR,FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|                           |    | C778    | 0CH1821K516 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 820PF 50V 10% B(5YP) 2012 R/TP |         |
|                           |    | C787    | 0CQ3921N409 | O | O | CAPACITOR POLYESTER(MYLAR)     | 0.0039U 100V J POLY TP         |         |
|                           |    | C791    | 0CH1332K566 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 3300PF 50V 10% X7R(X) 2012 R/T |         |
|                           |    | C797    | 0CH1821K516 | O | O | CAPACITOR,FIXED CERAMIC(Temp.c | 820PF 50V 10% B(5YP) 2012 R/TP |         |
|                           |    | C7V2    | 0CH1104K946 | O | O | CAPACITOR,FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|                           |    | C7V3    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC         | 470M SMS 10V M FL TP(5)        |         |
|                           |    | C7V5    | 0CH1104K946 | O | O | CAPACITOR,FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|                           |    | C7V6    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC         | 470M SMS 10V M FL TP(5)        |         |
|                           |    | C7V7    | 0CH1104K946 | O | O | CAPACITOR,FIXED CERAMIC(TEMP.C | 0.1UF 2012 50V 80%,-20% Y5V(F) |         |
|                           |    | C7V8    | 0CE4776D618 | O | O | CAPACITOR,ELECTROLYTIC         | 470M SMS 10V M FL TP(5)        |         |
|                           |    | C801    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | C802    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | C804    | 0CE1073F638 | O | O | CAPACITOR,FIXED ELECTROLYTIC   | 100UF SRE,SE 16V 20% FM5 TP 5  |         |
|                           |    | C805    | 0CN2230H949 | O | O | CAPACITOR TUBULA(HIGH DIELE    | 22000P 25V Z FTA52             |         |
|                           |    | C806    | 0CN2230H949 | O | O | CAPACITOR TUBULA(HIGH DIELE    | 22000P 25V Z FTA52             |         |
|                           |    | C807    | 0CN2230H949 | O | O | CAPACITOR TUBULA(HIGH DIELE    | 22000P 25V Z FTA52             |         |
|                           |    | C810    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | C811    | 0CN1010K419 | O | O | CAPACITOR,TUBULAR(HIGH DIELEC  | 100PF 50V J B TA52             |         |
|                           |    | C812    | 0CN1010K419 | O | O | CAPACITOR,TUBULAR(HIGH DIELEC  | 100PF 50V J B TA52             |         |
|                           |    | C813    | 0CN1010K419 | O | O | CAPACITOR,TUBULAR(HIGH DIELEC  | 100PF 50V J B TA52             |         |
|                           |    | C816    | 0CX3300K409 | O | O | CAPACITOR TUBULA(T.C)          | 33P 50V J SL TA52              |         |
|                           |    | C817    | 0CX3300K409 | O | O | CAPACITOR TUBULA(T.C)          | 33P 50V J SL TA52              |         |
|                           |    | C818    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | C820    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | C821    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | C822    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | C823    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | C825    | 0CE4766D618 | O | O | CAPACITOR,ELECTROLYTIC         | 47M SMS 10V M FL TP(5)         |         |
|                           |    | C826    | 0CN1040K949 | O | O | CAPACITOR,FIXED TUBULAR(High d | 0.1UF D 50V 80%,-20% F(Y5V) TA |         |
|                           |    | CN8901  | 6602R-GV01C | O | O | WAFER                          | JE202-1T-03(3-2) JAE EUN P=3.9 |         |
| <b>DIODE&amp;DIGITRON</b> |    |         |             |   |   |                                |                                |         |
|                           |    | D101    | 0DD221009AA | O | O | DIODE,RECTIFIERS               | ERA22-10 KFLB,TP ,R T/P,FUJI   |         |
|                           |    | D102    | 0DD010009AC | O | O | DIODE                          | EU01W(R-FORM) TP SANKEN        |         |
|                           |    | D103    | 0DR102109AA | O | O | DIODE,RECTIFIERS               | RL102-10C TP GULF SEMICONDUCTO |         |
|                           |    | D104    | 0DR102109AA | O | O | DIODE,RECTIFIERS               | RL102-10C TP GULF SEMICONDUCTO |         |
|                           |    | D106    | 0DR104510AB | O | O | DIODE,RECTIFIERS               | B10A45V1 NO CUT KEC ST TO220 4 |         |
|                           |    | D107    | 0DD010009AC | O | O | DIODE                          | EU01W(R-FORM) TP SANKEN        |         |
|                           |    | D108    | 0DD010009AC | O | O | DIODE                          | EU01W(R-FORM) TP SANKEN        |         |
|                           |    | D109    | 0DR158220AA | O | O | DIODE,RECTIFIER                | 1N5822 BK RECTRON DO201AD 40V  |         |
|                           |    | D110    | 0DR310000AA | O | O | DIODE,RECTIFIERS               | RU3YXLF-C1 BK SANKEN D4 100V 2 |         |
|                           |    | D120    | 0DD010009AC | O | O | DIODE                          | EU01W(R-FORM) TP SANKEN        |         |
|                           |    | D301    | 0DS121009AA | O | O | DIODE,SWITCHING                | KDS121 TP KEC UMT 85V 300MA 2A |         |
|                           |    | D402    | 0DD187009AC | O | O | DIODE                          | KDS187 CHIP KEC TP KEC         |         |
| <b>FUSE</b>               |    |         |             |   |   |                                |                                |         |
|                           |    | F101    | 585-011T    | O |   | FUSE,SLOW BLOW                 | 1600MA 250 V 5.2X20 CY/GL SEMK |         |
|                           |    | F101    | 585-027B    |   | O | FUSE,SLOW BLOW                 | 1600MA 250 V 5.2X20 CY/GL KS / |         |
| <b>IC</b>                 |    |         |             |   |   |                                |                                |         |
|                           |    | IC101   | 0ISK615300A | O | O | IC,SANKEN                      | STR-G6153T 5PIN FM CUT BK PWM  |         |
|                           |    | IC104   | 0ISS431000A | O | O | IC,SAMSUNG ELECTRONICS         | KA431AZ (LM431AZ)              |         |
|                           |    | IC105   | 0IPMGFA015A | O | O | IC,POWER MANAGEMENT            | KA78R33TSTU FAIRCHILD 4P TO-22 |         |
|                           |    | IC106   | 0ISS790800C | O | O | IC,SAMSUNG ELECTRONICS         | KA7908TSTU 3PIN TO-220 ST 1A - |         |
|                           |    | IC107   | 0IPMGKE009C | O | O | IC,POWER MANAGEMENT            | KIA7808API-CU KEC 3P TO-220 ST |         |
|                           |    | IC201   | 0IOA979000C | O | O | IC,OAK TECHNOLOGY              | OTI-9790CE 208 LQFP TRAY CD-R/ |         |
|                           |    | IC202   | 0IGS711816P | O | O | IC,LG SEMICONDUCTOR            | GM71C18163C TSOP2 TP 5V 60N 1M |         |
|                           |    | IC203   | 0IMCRHI001B | O | O | IC,MICRO CONTROLLER            | HD64F3062BFBL25 HITACHI FP-100 |         |
|                           |    | IC203   | 6957R-0128A | O | O | PROGRAM                        | ADR-680 RW VER.=028091         |         |
|                           |    | IC207   | 0ICP010000A | O | O | IC,CROSS SNT                   | CST0100C 44QFP BK ASIC         |         |
|                           |    | IC208   | 0ICS938600B | O | O | IC,CATALYST                    | CAT93C86AS 8P SOIC TP 16K BIT  |         |
|                           |    | IC210   | 0IRH393900A | O | O | IC,ROHM                        | BA3939FP-E2                    |         |
|                           |    | IC301   | 0ILNRS0012A | O | O | IC,LINEAR                      | CXA3558R SONY 100LQFP TRAY RF  |         |
|                           |    | IC302   | 0IJR341400E | O | O | IC,JRC                         | NJN3414V SIP-8 TP DUAL OP AMP  |         |
|                           |    | IC303   | 0IMI630210A | O | O | IC,MITSUBISHI                  | M63021FP 42P9R TP DRIVE        |         |

| S                              | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                | SPECIFICATION                  | REMARKS |
|--------------------------------|----|---------|-------------|---|---|----------------------------|--------------------------------|---------|
|                                |    | IC304   | 0IMI623520A | O | O | IC,MITSUBISHI              | M62352GP 20P SSOP TP 12CH D/A  |         |
|                                |    | IC305   | 0IJR290300D | O | O | IC,JRC                     | NJM2903V-TE1 8P SSOP TP COMPAR |         |
|                                |    | IC306   | 0IJR340400B | O | O | IC,JRC                     | NJM3404AV SIP-8 TP SINGLE-SUPP |         |
|                                |    | IC307   | 0INS766500A | O | O | IC,NATIONAL SEMICONDUCTOR  | NC7SZ66M5X SOT23 TP SINGLE BIL |         |
|                                |    | IC308   | 0ITO708000D | O | O | IC,TOSHIBA                 | TC7W08FUDUAL 2 INPUT AND GATE  |         |
|                                |    | IC402   | 0ILNRS0015A | O | O | IC,LINEAR                  | CXD3023R SONY 100 LQFP TRAY DS |         |
|                                |    | IC403   | 0ISO258100A | O | O | IC,SONY                    | CXA2581N 30PIN TP RFIC         |         |
|                                |    | IC404   | 0IJR210000B | O | O | IC,JRC                     | NJM2100V DUAL OP AMP,JRC       |         |
|                                |    | IC405   | 0IMI630210A | O | O | IC,MITSUBISHI              | M63021FP 42P9R TP DRIVE        |         |
|                                |    | IC406   | 0IRH405300A | O | O | IC,ROHM                    | BU4053BCFV 16P,SSOP TP TRIPLE  |         |
|                                |    | IC407   | 0IMCRH001B  | O | O | IC,MICRO CONTROLLER        | HD64F3062BFB25 HITACHI FP-100  |         |
|                                |    | IC407   | 6957R-0119A | O | O | PROGRAM                    | ADR-680 CDP VER.=028121        |         |
|                                |    | IC408   | 0IIA781000B | O | O | IC,INT. MICRO CIRCUITS     | FS781BZB 8P SOIC TP EMI SPREAD |         |
|                                |    | IC409   | 0ITR613002E | O | O | IC,TOREX SEMICONDUCTOR     | XC61CN3002PR 3P SOT-89 TP VOL  |         |
|                                |    | IC410   | 0IRI052710A | O | O | IC,RICOH                   | RH05RZ27CA-T1 SOT TP REGULATOR |         |
|                                |    | IC411   | 0IPH740400F | O | O | IC,PHILIPS                 | 74HCU04D SOT108-1 TP INVERTER  |         |
|                                |    | IC502   | 0ICB842000B | O | O | IC,CRYSTAL SEMICONDUCTOR   | CS8420-CSR(REV D)28L SOIC TP D |         |
|                                |    | IC510   | 0ICTMVC001A | O | O | IC,CUSTOMIZED              | VC01S05 VERSACHIPS 80 QFP TRAY |         |
|                                |    | IC702   | 0IJR456500A | O | O | IC, JRC(JAPAN RADIO CORP.) | NJM4565M-A,OP-AMP,JRC          |         |
|                                |    | IC703   | 0ISTLKE009A | O | O | IC,STANDARD LOGIC          | KIC7W53FU KEC 8PIN SM8 R/TP 2- |         |
|                                |    | IC704   | 0IJR553200A | O | O | IC,JRC(JAPAN RADIO CORP.)  | NJM5532 OP AMP JRC             |         |
|                                |    | IC705   | 0IPH740400F | O | O | IC,PHILIPS                 | 74HCU04D SOT108-1 TP INVERTER  |         |
|                                |    | IC706   | 0IPH740400F | O | O | IC,PHILIPS                 | 74HCU04D SOT108-1 TP INVERTER  |         |
|                                |    | IC707   | 0ILNRJR002A | O | O | IC,LINEAR                  | NJM4556AM JRC 8PIN SOP R/TP DU |         |
|                                |    | IC708   | 657-063A    | O | O | SENSOR                     | LTV-817B,PHOTO COUPLER(LITEON) |         |
|                                |    | IC7V1   | 0IPRPAK002A | O | O | IC,PERIPHERALS             | AK4382AVT-E2 AKM 16P TSSOP R/T |         |
|                                |    | IC7V2   | 0IPRPAK001A | O | O | IC,PERIPHERALS             | AK5380VT-E2 AKM 16P TSSOP R/TP |         |
|                                |    | IC801   | 0IMCRNE002C | O | O | IC,MICRO CONTROLLER        | UPD780232GC-043-8BT NEC 80 QFP |         |
|                                |    | IC802   | 0IKE704200B | O | O | IC,KEC                     | KIA7042P 3P 4.2V RESET(TAPING) |         |
|                                |    | RMC801  | 0IRH693840A | O | O | IC,ROHM                    | RPM6938-V4 3P BK REMOCON MODUL |         |
| <b>JACK</b>                    |    |         |             |   |   |                            |                                |         |
|                                |    | JK701   | 6612JH002YB | O | O | JACK,RCA                   | PPJ 111D PARK ELEC.            |         |
|                                |    | JK703   | 6612R-L002A | O | O | JACK,FIBER OPTIC           | TORX178 TOSHIBA                |         |
|                                |    | JK704   | 6612S-A005A | O | O | JACK,HEADPHONE             | LGA6502-0150 SMK 2YEON .       |         |
|                                |    | JK705   | 6620S-L001A | O | O | SOCKET (CIRC),DRAWING      | GP1F32T SHARP OPTICAL H        |         |
|                                |    | JK801   | 6612R-C013A | O | O | JACK,RCA                   | RCA-104 YUQIU (1P) ORANGE      |         |
|                                |    | JK802   | 572-359J    | O | O | JACK 6.4                   | SOQ4694-01-4101 K-HOSIDEN H=6. |         |
|                                |    | JK803   | 6612R-L005A | O | O | JACK,FIBER OPTIC           | GP1FH500RZ SHARP               |         |
| <b>COIL&amp;FILTER&amp;LED</b> |    |         |             |   |   |                            |                                |         |
|                                |    | FLD801  | 6302R-V115A | O | O | DIGITRON                   | 16BT-97GNK FUTABA SEG VFD ADR- |         |
|                                |    | L101    | 616-145H    | O | O | FILTER(CIRC)               | SHT LFS2020V4-04350            |         |
|                                |    | L103    | 633-088G    | O | O | COIL,CHOKE                 | CHOCK(22MH) 5MM TOKO TP        |         |
|                                |    | L105    | 633-088G    | O | O | COIL,CHOKE                 | CHOCK(22MH) 5MM TOKO TP        |         |
|                                |    | L109    | 633-088G    | O | O | COIL,CHOKE                 | CHOCK(22MH) 5MM TOKO TP        |         |
|                                |    | L110    | 633-088G    | O | O | COIL,CHOKE                 | CHOCK(22MH) 5MM TOKO TP        |         |
|                                |    | L201    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L301    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L302    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L304    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L306    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L441    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L442    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L491    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L501    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L502    | 6140H-A001A | O | O | FILTER(CIRC),EMI           | BEAD C,HH-1H4532-121JT.CERATEH |         |
|                                |    | L505    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L507    | 6140H-B003G | O | O | COIL                       | NLC322522T-100K 10MH TDK       |         |
|                                |    | L703    | 6200S-JC01A | O | O | FILTER(CIRC),EMC           | HB-1M2012-121JT CERATECH TP    |         |
|                                |    | L704    | 6200S-JC01A | O | O | FILTER(CIRC),EMC           | HB-1M2012-121JT CERATECH TP    |         |
|                                |    | L706    | 6200S-JC01A | O | O | FILTER(CIRC),EMC           | HB-1M2012-121JT CERATECH TP    |         |
|                                |    | L7V1    | 6200S-JC01A | O | O | FILTER(CIRC),EMC           | HB-1M2012-121JT CERATECH TP    |         |
|                                |    | T701    | 6140R-C001C | O | O | COIL,CHOKE                 | 75D-413 KWANGSUNG              |         |
|                                |    | LD803   | 0DL341829AA | O | O | LED                        | SM3418F2T TP AUK GREEN .       |         |
|                                |    | LD804   | 0DL341829AA | O | O | LED                        | SM3418F2T TP AUK GREEN .       |         |
|                                |    | LD805   | 0DL341829AA | O | O | LED                        | SM3418F2T TP AUK GREEN .       |         |
|                                |    | LD806   | 0DL341829AA | O | O | LED                        | SM3418F2T TP AUK GREEN .       |         |
|                                |    | LD807   | 0DL341829AA | O | O | LED                        | SM3418F2T TP AUK GREEN .       |         |

| S                  | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                    | SPECIFICATION                  | REMARKS |
|--------------------|----|---------|-------------|---|---|--------------------------------|--------------------------------|---------|
|                    |    | LD808   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD809   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD810   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD811   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD812   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD813   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD814   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD815   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD816   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD817   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD818   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD819   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LD820   | 0DL341829AA | O | O | LED                            | SM3418F2T TP AUK GREEN .       |         |
|                    |    | LY702   | 6920R-B202A | O | O | RELAY                          | HRS2H-S-DC5V NINGBO HUIGANG EL |         |
| <b>TRANSFORMER</b> |    |         |             |   |   |                                |                                |         |
|                    |    | PT101   | 6170RNGW11A | O | O | TRANSFORMER,SMPS[COIL]         | SOOJUNG SJE-W11A WIDE EER3530  |         |
| <b>TRANSISTOR</b>  |    |         |             |   |   |                                |                                |         |
|                    |    | Q101    | 0TR319809AC | O | O | TRANSISTOR                     | KTC3198-TP-BL (KTC1815)KEC     |         |
|                    |    | Q102    | 0TR115100AA | O | O | TRANSISTOR                     | KSB1151-Y BK SAMSUNG TO-126    |         |
|                    |    | Q103    | 0TR319809AC | O | O | TRANSISTOR                     | KTC3198-TP-BL (KTC1815)KEC     |         |
|                    |    | Q107    | 0TR115100AA | O | O | TRANSISTOR                     | KSB1151-Y BK SAMSUNG TO-126    |         |
|                    |    | Q301    | 0TR144009AH | O | O | TRANSISTOR                     | DTC144EK CHIP ROHM-J           |         |
|                    |    | Q302    | 0TR144009AH | O | O | TRANSISTOR                     | DTC144EK CHIP ROHM-J           |         |
|                    |    | Q303    | 0TR144009AH | O | O | TRANSISTOR                     | DTC144EK CHIP ROHM-J           |         |
|                    |    | Q402    | 0TR130409BA | O | O | TRANSISTOR                     | KTD1304S TP KEC SOT-23 MUTING  |         |
|                    |    | Q403    | 0TR130409BA | O | O | TRANSISTOR                     | KTD1304S TP KEC SOT-23 MUTING  |         |
|                    |    | Q501    | 0TR103709BB | O | O | TRANSISTOR                     | 2SA1037K-Q CHIP ROHM-J         |         |
|                    |    | Q701    | 0TR103009AF | O | O | TRANSISTOR                     | KRA103M-TP (KRA2203) KEC       |         |
|                    |    | Q702    | 0TR130209AA | O | O | TRANSISTOR                     | KTD1302 MUTING TP KEC TO92     |         |
|                    |    | Q703    | 0TR130209AA | O | O | TRANSISTOR                     | KTD1302 MUTING TP KEC TO92     |         |
|                    |    | Q704    | 0TR130209AA | O | O | TRANSISTOR                     | KTD1302 MUTING TP KEC TO92     |         |
|                    |    | Q705    | 0TR103009AF | O | O | TRANSISTOR                     | KRA103M-TP (KRA2203) KEC       |         |
|                    |    | Q706    | 0TR319809AC | O | O | TRANSISTOR                     | KTC3198-TP-BL (KTC1815)KEC     |         |
|                    |    | Q707    | 0TR319809AC | O | O | TRANSISTOR                     | KTC3198-TP-BL (KTC1815)KEC     |         |
|                    |    | Q708    | 0TR103009AF | O | O | TRANSISTOR                     | KRA103M-TP (KRA2203) KEC       |         |
|                    |    | Q709    | 0TR319809AC | O | O | TRANSISTOR                     | KTC3198-TP-BL (KTC1815)KEC     |         |
|                    |    | Q710    | 0TR319809AC | O | O | TRANSISTOR                     | KTC3198-TP-BL (KTC1815)KEC     |         |
|                    |    | Q711    | 0TR130209AA | O | O | TRANSISTOR                     | KTD1302 MUTING TP KEC TO92     |         |
|                    |    | Q712    | 0TR130209AA | O | O | TRANSISTOR                     | KTD1302 MUTING TP KEC TO92     |         |
|                    |    | Q801    | 0TR319809AC | O | O | TRANSISTOR                     | KTC3198-TP-BL (KTC1815)KEC     |         |
| <b>RESISTOR</b>    |    |         |             |   |   |                                |                                |         |
|                    |    | F102    | 0RD0151F609 | O | O | RESISTOR,FIXED CARBON FILM     | 1.5 OHM 1/6 W 5.00% TA52       |         |
|                    |    | R101    | 614-007A    | O | O | RESISTOR                       | 2.7/2W CEMENT SMPS V           |         |
|                    |    | R102    | 0RS1003K619 | O | O | RESISTOR,FIXED METAL OXIDE FIL | 100K OHM 2 W 5.00% TR          |         |
|                    |    | R104    | 0RS5602K619 | O | O | RESISTOR,FIXED METAL OXIDE FIL | 56K OHM 2 W 5.00% TR           |         |
|                    |    | R105    | 0RD8202F609 | O | O | RESISTOR,FIXED CARBON FILM     | 82K OHM 1/6 W 5.00% TA52       |         |
|                    |    | R111    | 0RS0350K619 | O | O | RESISTOR,FIXED METAL OXIDE FIL | 0.35 OHM 2 W 5.00% TR          |         |
|                    |    | R112    | 0RD0392F609 | O | O | RESISTOR,FIXED CARBON FILM     | 39 OHM 1/6 W 5.00% TA52        |         |
|                    |    | R119    | 0RD4701F609 | O | O | RESISTOR,FIXED CARBON FILM     | 4.7K OHM 1/6 W 5% TA52         |         |
|                    |    | R120    | 0RD4702F609 | O | O | RESISTOR,FIXED CARBON FILM     | 47K OHM 1/6 W 5% TA52          |         |
|                    |    | R121    | 0RD1201F609 | O | O | RESISTOR,FIXED CARBON FILM     | 1.2K OHM 1/6 W 5% TA52         |         |
|                    |    | R122    | 0RS1200J619 | O | O | RESISTOR,FIXED METAL OXIDE FIL | 120 OHM 1 W 5.00% TR           |         |
|                    |    | R123    | 0RD4701F609 | O | O | RESISTOR,FIXED CARBON FILM     | 4.7K OHM 1/6 W 5% TA52         |         |
|                    |    | R124    | 0RD3300F609 | O | O | RESISTOR,FIXED CARBON FILM     | 330 OHM 1/6 W 5.00% TA52       |         |
|                    |    | R125    | 0RD2201F609 | O | O | RESISTOR,FIXED CARBON FILM     | 2.2K OHM 1/6 W 5.00% TA52      |         |
|                    |    | R126    | 0RD1001F609 | O | O | RESISTOR,FIXED CARBON FILM     | 1K OHM 1/6 W 5% TA52           |         |
|                    |    | R127    | 0RN3301F409 | O | O | RESISTOR,FIXED METAL FILM      | 3.3K OHM 1/6 W 1.00% TA52      |         |
|                    |    | R128    | 0RN3301F409 | O | O | RESISTOR,FIXED METAL FILM      | 3.3K OHM 1/6 W 1.00% TA52      |         |
|                    |    | R129    | 0RD4702F609 | O | O | RESISTOR,FIXED CARBON FILM     | 47K OHM 1/6 W 5% TA52          |         |
|                    |    | R131    | 0RS1200J619 | O | O | RESISTOR,FIXED METAL OXIDE FIL | 120 OHM 1 W 5.00% TR           |         |
|                    |    | R133    | 0RD1201F609 | O | O | RESISTOR,FIXED CARBON FILM     | 1.2K OHM 1/6 W 5% TA52         |         |
|                    |    | R140    | 0RD4701F609 | O | O | RESISTOR,FIXED CARBON FILM     | 4.7K OHM 1/6 W 5% TA52         |         |
|                    |    | R141    | 0RD0562F609 | O | O | RESISTOR,FIXED CARBON FILM     | 56 OHM 1/6 W 5.00% TA52        |         |
|                    |    | R201    | 0RH4702C622 | O | O | RESISTOR,METAL GLAZED(CHIP)    | 47K OHM 1 / 16 W 1608 5.00% D  |         |
|                    |    | R203    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP)    | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|                    |    | R205    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP)    | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|                    |    | R206    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP)    | 10K OHM 1 / 16 W 1608 5.00% D  |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                 | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|-----------------------------|--------------------------------|---------|
|   |    | R208    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R209    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R210    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R211    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R213    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R214    | 0RH1502C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R215    | 0RH5604C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 5.6M OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R216    | 0RH1001C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R217    | 0RH1800C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 180 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R218    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R219    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R220    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R221    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R222    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R223    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R224    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R225    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R226    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R227    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R228    | 0RH3302C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R231    | 0RH3300C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R232    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R233    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R234    | 0RH3300C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R235    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R236    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R237    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R238    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R240    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R241    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R242    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R243    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R244    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R245    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R247    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R248    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R249    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R250    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R251    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R252    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R253    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R254    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R255    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R259    | 0RH1500C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 150 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R260    | 0RH1003C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R261    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R262    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R263    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R264    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R265    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R266    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R267    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R268    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R269    | 0RH1001C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R270    | 0RH1001C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R271    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R277    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R279    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R280    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R281    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R283    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R284    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R285    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R286    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R287    | 0RH1001C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R288    | 0RH4700C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R289    | 0RH4700C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D  |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                 | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|-----------------------------|--------------------------------|---------|
|   |    | R290    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R291    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R292    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R293    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R294    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R295    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R296    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R2Q1    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R2Q2    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R301    | 0RH1201C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R302    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R303    | 0RH4700C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R304    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R305    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R306    | 0RH6800C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R307    | 0RH6800C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R308    | 0RH4702C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R313    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R314    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R315    | 0RH1502C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R316    | 0RH1502C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R317    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R318    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R319    | 0RH0222C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R320    | 0RH0222C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R321    | 0RH0222C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R322    | 0RH0222C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R323    | 0RH3302C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R324    | 0RH2701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R325    | 0RH2701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R326    | 0RH1801C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.8K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R327    | 0RH1801C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.8K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R328    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R329    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R330    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R331    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R332    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R333    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R335    | 0RH2702C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R336    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R337    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R338    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R339    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R340    | 0RH8202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 82K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R350    | 0RH6802C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R351    | 0RH2702C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R352    | 0RH2702C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R353    | 0RH6802C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R354    | 0RH3303C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R355    | 0RH1004C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1M OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R356    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R357    | 0RH4700C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R358    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R359    | 0RH1001C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R360    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R361    | 0RH6800C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R362    | 0RH6800C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R363    | 0RH6800C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R364    | 0RH6800C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R365    | 0RH6800C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 680 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R368    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R369    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R370    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R371    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R372    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R373    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R374    | 0RH2703C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 270K OHM 1 / 16 W 1608 5.00% D |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                 | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|-----------------------------|--------------------------------|---------|
|   |    | R375    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R376    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R377    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R388    | 0RH3302C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R389    | 0RH3302C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R390    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R391    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R392    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R394    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R396    | 0RH1502C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R397    | 0RH2703C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 270K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R398    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R399    | 0RH1502C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R3A1    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3A2    | 0RH1502C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R3A3    | 0RH3901C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.9K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R3A4    | 0RH1202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R3A5    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R3A7    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3A8    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3A9    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R3C1    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R3C2    | 0RH3302C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R3C3    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3C5    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3C6    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R3C7    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R3C8    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3C9    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3D1    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3D2    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3D3    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3D4    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3D5    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3D6    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R3K1    | 0RH2001C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2K OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R400    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R401    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R402    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R403    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R404    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R405    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R407    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R408    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R409    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R410    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R411    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R412    | 0RH1003C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R413    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R414    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R416    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R417    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R418    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R419    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R420    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R421    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R422    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R423    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R424    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R425    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R426    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R427    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R432    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R433    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R434    | 0RH0332C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R435    | 0RH0332C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R436    | 0RH0332C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33 OHM 1 / 16 W 1608 5.00% D   |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                 | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|-----------------------------|--------------------------------|---------|
|   |    | R437    | 0RH0332C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R440    | 0RH1003C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R441    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R442    | 0RH3302C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R443    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R444    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R445    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R446    | 0RH3303C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R447    | 0RH1004C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1M OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R448    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R449    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R450    | 0RH6801C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R451    | 0RH6801C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R452    | 0RH1003C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R453    | 0RH3302C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R455    | 0RH3302C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R456    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R457    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R458    | 0RH8202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 82K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R460    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R461    | 0RH6801C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 6.8K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R462    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R463    | 0RH2201C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R465    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R466    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R467    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R468    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R469    | 0RH1803C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 180K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R470    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R471    | 0RH6802C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R472    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R473    | 0RH1202C422 | O | O | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 1.00% D  |         |
|   |    | R474    | 0RH1202C422 | O | O | RESISTOR,METAL GLAZED(CHIP) | 12K OHM 1 / 16 W 1608 1.00% D  |         |
|   |    | R475    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R476    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R477    | 0RH0222C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R478    | 0RH0682C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R479    | 0RH0682C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R480    | 0RH2201C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R481    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R482    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R483    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R484    | 0RH1003C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R485    | 0RH6802C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R486    | 0RH8201C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 8.2K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R487    | 0RH8201C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 8.2K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R488    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R489    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R490    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R491    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R492    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R493    | 0RH1003C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R494    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R495    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R496    | 0RH2702C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R497    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R498    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R499    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A0    | 0RH1802C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 18K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A1    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A2    | 0RH4700C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A3    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A4    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A5    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A6    | 0RH4700C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A7    | 0RH4700C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4A8    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                 | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|-----------------------------|--------------------------------|---------|
|   |    | R4A9    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R4C0    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R4C1    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4C2    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4C3    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R4C4    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R4C5    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R4C6    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R4C7    | 0RH0221D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R4C8    | 0RH1502C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4C9    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4CA    | 0RH1502C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 15K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4CC    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4E0    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4E3    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R4E5    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R4E7    | 0RH0332C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R4E8    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4E9    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F0    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F1    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F2    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F3    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F4    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F5    | 0RH1001C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R4F6    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F7    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F8    | 0RH8202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 82K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4F9    | 0RH2702C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4G0    | 0RH1802C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 18K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4G1    | 0RH1802C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 18K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4G2    | 0RH1802C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 18K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4G3    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R4K1    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4K2    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4K6    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R4K7    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R4L1    | 0RH0682C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R4L2    | 0RH0682C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R4L3    | 0RH0222C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R4L4    | 0RH0222C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R4L5    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R4L6    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R4L7    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4L8    | 0RH3301C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R4L9    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R4M1    | 0RH1003C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R4M2    | 0RH2202C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4M3    | 0RH5601C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R4M4    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4Q1    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R4S2    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R4S4    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R4S6    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R4S8    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R501    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R502    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R503    | 0RH4702C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R504    | 0RH1001C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R505    | 0RH3300C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R506    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R507    | 0RH5101C422 | O | O | RESISTOR,METAL GLAZED(CHIP) | 5.1K OHM 1 / 16 W 1608 1.00% D |         |
|   |    | R509    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R512    | 0RH4701C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 16 W 1608 5.00% D |         |
|   |    | R513    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R514    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R515    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |

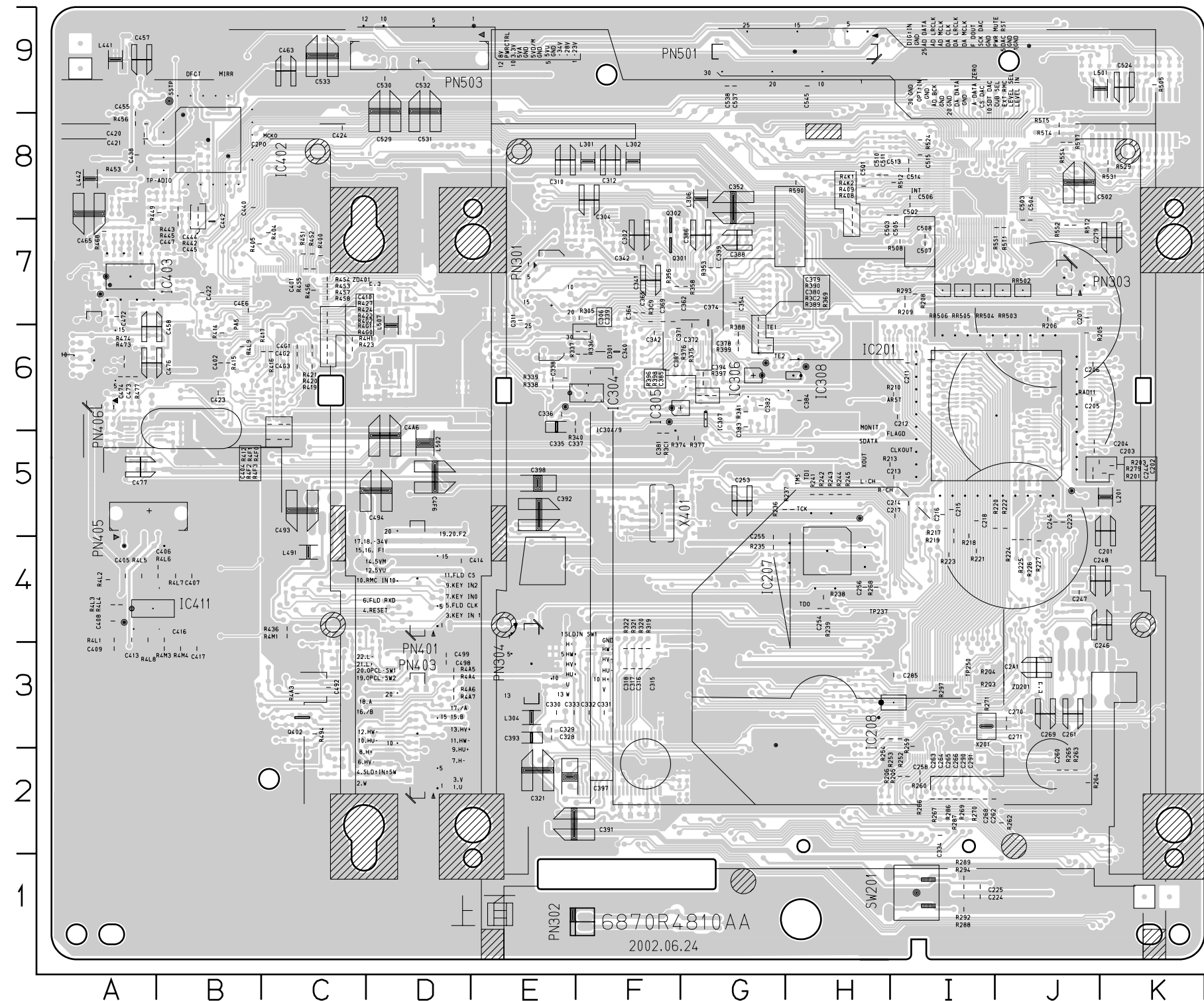
| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                 | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|-----------------------------|--------------------------------|---------|
|   |    | R516    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R517    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R518    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R519    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R520    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R521    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R522    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R524    | 0RH1002C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R525    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R526    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R527    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R528    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R529    | 0RH3300C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R530    | 0RH3300C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R531    | 0RH3300C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R532    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R533    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R534    | 0RH2200C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 220 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R535    | 0RH3300C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R590    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R5Q1    | 0RH1000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R5S1    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R5S2    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R5S3    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R5T6    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R5T7    | 0RH0000C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 16 W 1608 5.00% D    |         |
|   |    | R701    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R702    | 0RH1301D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.3K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R703    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R704    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R705    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R706    | 0RH4700D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R707    | 0RH4700D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R708    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R70A    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R70B    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R70C    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R70D    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R70E    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R70F    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R70G    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R711    | 0RH5601D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R712    | 0RH4702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R713    | 0RH4702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R714    | 0RH2701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R715    | 0RH2701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R716    | 0RH1002D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R717    | 0RH0000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 10 W 2012 5.00% D    |         |
|   |    | R718    | 0RH5601D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 5.6K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R719    | 0RH5101D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 5.1K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R720    | 0RH2702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R721    | 0RH0000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 0 OHM 1 / 10 W 2012 5.00% D    |         |
|   |    | R722    | 0RH4702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R723    | 0RH2201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R724    | 0RH3301D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R725    | 0RH2201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R727    | 0RH4702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R728    | 0RH1500C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 150 OHM 1 / 16 W 1608 5.00% D  |         |
|   |    | R729    | 0RH1000D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R731    | 0RH0752C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 75 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R732    | 0RH0332C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 33 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R733    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R734    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R735    | 0RH0222D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R736    | 0RH0222D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R737    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R738    | 0RH2201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 10 W 2012 5.00% D |         |

| S | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                 | SPECIFICATION                  | REMARKS |
|---|----|---------|-------------|---|---|-----------------------------|--------------------------------|---------|
|   |    | R740    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R741    | 0RH2702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 27K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R742    | 0RH1201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R743    | 0RH0222D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R744    | 0RH0222D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R745    | 0RH4702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R746    | 0RH2201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R749    | 0RH4702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R750    | 0RH2201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R752    | 0RH4702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R753    | 0RH2201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R755    | 0RH3901D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.9K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R756    | 0RH3301D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.3K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R757    | 0RH4702D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R758    | 0RH0472C622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 47 OHM 1 / 16 W 1608 5.00% D   |         |
|   |    | R759    | 0RH4700D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 470 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R760    | 0RH3300D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R761    | 0RH3901D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 3.9K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R763    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R764    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R766    | 0RH2701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 2.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R768    | 0RH1301D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.3K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R770    | 0RH5101D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 5.1K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R771    | 0RH1201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R772    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R773    | 0RH4701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R774    | 0RH4701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R775    | 0RH1201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R776    | 0RH1201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R777    | 0RH0222D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R778    | 0RH1201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R779    | 0RH1201D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1.2K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R781    | 0RH5600D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R782    | 0RH5600D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 560 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R783    | 0RH1003D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R784    | 0RH1003D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 100K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R785    | 0RH4701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R786    | 0RH0222D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 22 OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R788    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R789    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R790    | 0RH1002D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R791    | 0RH1002D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 10K OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R794    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R795    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R796    | 0RH0682D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68 OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R797    | 0RH0682D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 68 OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R798    | 0RH1001D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 1K OHM 1 / 10 W 2012 5.00% D   |         |
|   |    | R799    | 0RH4701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R7V2    | 0RH3300D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R7V3    | 0RH3300D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 330 OHM 1 / 10 W 2012 5.00% D  |         |
|   |    | R7V4    | 0RH4701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R7V5    | 0RH4701D622 | O | O | RESISTOR,METAL GLAZED(CHIP) | 4.7K OHM 1 / 10 W 2012 5.00% D |         |
|   |    | R801    | ORD1801F609 | O | O | RESISTOR,FIXED CARBON FILM  | 1.8K OHM 1/6 W 5.00% TA52      |         |
|   |    | R802    | ORD2701F609 | O | O | RESISTOR,FIXED CARBON FILM  | 2.7K OHM 1/6 W 5% TA52         |         |
|   |    | R803    | ORD3301F609 | O | O | RESISTOR,FIXED CARBON FILM  | 3.3K OHM 1/6 W 5.00% TA52      |         |
|   |    | R804    | ORD3901F609 | O | O | RESISTOR,FIXED CARBON FILM  | 3.9K OHM 1/6 W 5% TA52         |         |
|   |    | R805    | ORD5601F609 | O | O | RESISTOR,FIXED CARBON FILM  | 5.6K OHM 1/6 W 5% TA52         |         |
|   |    | R806    | ORD8201F609 | O | O | RESISTOR,FIXED CARBON FILM  | 8.2K OHM 1/6 W 5.00% TA52      |         |
|   |    | R807    | ORD1502F609 | O | O | RESISTOR,FIXED CARBON FILM  | 15K OHM 1/6 W 5.00% TA52       |         |
|   |    | R808    | ORD1801F609 | O | O | RESISTOR,FIXED CARBON FILM  | 1.8K OHM 1/6 W 5.00% TA52      |         |
|   |    | R809    | ORD2701F609 | O | O | RESISTOR,FIXED CARBON FILM  | 2.7K OHM 1/6 W 5% TA52         |         |
|   |    | R810    | ORD3301F609 | O | O | RESISTOR,FIXED CARBON FILM  | 3.3K OHM 1/6 W 5.00% TA52      |         |
|   |    | R811    | ORD3901F609 | O | O | RESISTOR,FIXED CARBON FILM  | 3.9K OHM 1/6 W 5% TA52         |         |
|   |    | R812    | ORD5601F609 | O | O | RESISTOR,FIXED CARBON FILM  | 5.6K OHM 1/6 W 5% TA52         |         |
|   |    | R813    | ORD1801F609 | O | O | RESISTOR,FIXED CARBON FILM  | 1.8K OHM 1/6 W 5.00% TA52      |         |
|   |    | R814    | ORD2701F609 | O | O | RESISTOR,FIXED CARBON FILM  | 2.7K OHM 1/6 W 5% TA52         |         |
|   |    | R815    | ORD3301F609 | O | O | RESISTOR,FIXED CARBON FILM  | 3.3K OHM 1/6 W 5.00% TA52      |         |

| S             | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION                 | SPECIFICATION                   | REMARKS |
|---------------|----|---------|-------------|---|---|-----------------------------|---------------------------------|---------|
|               |    | R816    | 0RD3901F609 | O | O | RESISTOR, FIXED CARBON FILM | 3.9K OHM 1/6 W 5% TA52          |         |
|               |    | R817    | 0RD5601F609 | O | O | RESISTOR, FIXED CARBON FILM | 5.6K OHM 1/6 W 5% TA52          |         |
|               |    | R818    | 0RD8201F609 | O | O | RESISTOR, FIXED CARBON FILM | 8.2K OHM 1/6 W 5.00% TA52       |         |
|               |    | R819    | 0RD1502F609 | O | O | RESISTOR, FIXED CARBON FILM | 15K OHM 1/6 W 5.00% TA52        |         |
|               |    | R823    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R824    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R825    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R826    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R827    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R828    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R829    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R830    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R831    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R832    | 0RD0182F609 | O | O | RESISTOR, FIXED CARBON FILM | 18 OHM 1/6 W 5.00% TA52         |         |
|               |    | R833    | 0RD1000F609 | O | O | RESISTOR, FIXED CARBON FILM | 100 OHM 1/6 W 5% TA52           |         |
|               |    | R834    | 0RD3301F609 | O | O | RESISTOR, FIXED CARBON FILM | 3.3K OHM 1/6 W 5.00% TA52       |         |
|               |    | R835    | 0RD2702F609 | O | O | RESISTOR, FIXED CARBON FILM | 27K OHM 1/6 W 5.00% TA52        |         |
|               |    | R836    | 0RD8201F609 | O | O | RESISTOR, FIXED CARBON FILM | 8.2K OHM 1/6 W 5.00% TA52       |         |
|               |    | R840    | 0RD2702F609 | O | O | RESISTOR, FIXED CARBON FILM | 27K OHM 1/6 W 5.00% TA52        |         |
|               |    | R841    | 0RD4701F609 | O | O | RESISTOR, FIXED CARBON FILM | 4.7K OHM 1/6 W 5% TA52          |         |
|               |    | R842    | 0RD1001F609 | O | O | RESISTOR, FIXED CARBON FILM | 1K OHM 1/6 W 5% TA52            |         |
|               |    | R843    | 0RD1001F609 | O | O | RESISTOR, FIXED CARBON FILM | 1K OHM 1/6 W 5% TA52            |         |
|               |    | R844    | 0RD1001F609 | O | O | RESISTOR, FIXED CARBON FILM | 1K OHM 1/6 W 5% TA52            |         |
|               |    | R845    | 0RD1001F609 | O | O | RESISTOR, FIXED CARBON FILM | 1K OHM 1/6 W 5% TA52            |         |
|               |    | R847    | 0RD4702F609 | O | O | RESISTOR, FIXED CARBON FILM | 47K OHM 1/6 W 5% TA52           |         |
|               |    | R848    | 0RD4702F609 | O | O | RESISTOR, FIXED CARBON FILM | 47K OHM 1/6 W 5% TA52           |         |
|               |    | R849    | 0RD4702F609 | O | O | RESISTOR, FIXED CARBON FILM | 47K OHM 1/6 W 5% TA52           |         |
|               |    | R850    | 0RD4702F609 | O | O | RESISTOR, FIXED CARBON FILM | 47K OHM 1/6 W 5% TA52           |         |
|               |    | R851    | 0RD4702F609 | O | O | RESISTOR, FIXED CARBON FILM | 47K OHM 1/6 W 5% TA52           |         |
|               |    | R853    | 0RD0822F609 | O | O | RESISTOR, FIXED CARBON FILM | 82 OHM 1/6 W 5.00% TA52         |         |
|               |    | R854    | 0RD1800F609 | O | O | RESISTOR, FIXED CARBON FILM | 180 OHM 1/6 W 5.00% TA52        |         |
|               |    | R855    | 0RD1001F609 | O | O | RESISTOR, FIXED CARBON FILM | 1K OHM 1/6 W 5% TA52            |         |
|               |    | RMC801  | 0IRH693840A | O | O | IC, ROHM                    | RPM6938-V4 3P BK REMOCON MODUL  |         |
|               |    | RR201   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR202   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR203   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR204   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR205   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR206   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR501   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR502   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR503   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR504   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR505   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR506   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
|               |    | RR507   | 0RR2200Q62A | O | O | RESISTOR, DRAWING           | 220 OHM 1/16 W 3216 5.00% R/TP  |         |
| <b>SENSOR</b> |    |         |             |   |   |                             |                                 |         |
|               |    | IC102   | 657-063A    | O | O | SENSOR                      | LTV-817B, PHOTO COUPLER(LITEON) |         |
|               |    | IC708   | 657-063A    | O | O | SENSOR                      | LTV-817B, PHOTO COUPLER(LITEON) |         |
| <b>SWITCH</b> |    |         |             |   |   |                             |                                 |         |
|               |    | SW4M1   | 6600KW3004C | O | O | SWITCH, MICRO               | SW2AB-254-10 SHINMEI 5VDC 10MA  |         |
|               |    | SW801   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW802   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW803   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW804   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW805   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW806   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW807   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW808   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW809   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW810   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW811   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW812   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW813   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW814   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW815   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |
|               |    | SW816   | 556-219B    | O | O | SWITCH, TACT                | THVV502GAA POSTECH DC 12 V 5-   |         |

| S                                         | AL | LOCA.NO | PART NO(LG) | A | B | DESCRIPTION            | SPECIFICATION                  | REMARKS |
|-------------------------------------------|----|---------|-------------|---|---|------------------------|--------------------------------|---------|
|                                           |    | SW817   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW818   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW819   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW820   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW821   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW822   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW823   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW824   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW828   | 556-219B    | O | O | SWITCH,TACT            | THVV502GAA POSTECH DC 12 V 5-  |         |
|                                           |    | SW8901  | 6600R-PH01A | O | O | SWITCH,TACT            | SDKLA10200 JAPAN ALPS UL/CSA 2 |         |
| <b>VARIABLE RESISTOR</b>                  |    |         |             |   |   |                        |                                |         |
|                                           |    | VR801   | 6110R-RK01A | O | O | VOLUME,ROTARY          | RK09L12B0-500BX2 ALPS 500BX2   |         |
|                                           |    | VR802   | 6110R-RK01B | O | O | VOLUME,ROTARY          | RK09L12B0-20KBX2 ALPS 20KBX2   |         |
| <b>CRYSTAL</b>                            |    |         |             |   |   |                        |                                |         |
|                                           |    | X201    | 6212HA0202A | O | O | RESONATOR,CERAMIC      | CSACV20M0X53-R0 MURATA 20MHZ   |         |
|                                           |    | X401    | 6202R-BM01A | O | O | RESONATOR,CRYSTAL      | HC-49/SM5H KONY 33-8688MHZ 5   |         |
|                                           |    | X402    | 6212HA0202A | O | O | RESONATOR,CERAMIC      | CSACV20M0X53-R0 MURATA 20MHZ   |         |
|                                           |    | X801    | 6202R-BJ01A | O | O | RESONATOR,CRYSTAL      | HC-49S SUNNY 5-0000MHZ 30P     |         |
| <b>ZENER DIODE</b>                        |    |         |             |   |   |                        |                                |         |
|                                           |    | ZD101   | 0DZ510009AH | O | O | DIODE,ZENER            | GDZJ5.1B TP GRANDE DO-34 500MW |         |
|                                           |    | ZD201   | 0DD202009AA | O | O | DIODE,CHIP             | DAN202U(N)-T106 CHIP ROHM      |         |
|                                           |    | ZD401   | 0DD202009AA | O | O | DIODE,CHIP             | DAN202U(N)-T106 CHIP ROHM      |         |
| <b>CIRCUIT BOARD ASSY &amp; CONNECTOR</b> |    |         |             |   |   |                        |                                |         |
|                                           |    | P       | 3300R-M044A | O | O | PLATE                  | VOL GND(ADR-600)               |         |
|                                           |    | PN101   | 6602R-GV01C |   | O | WAFER                  | JE202-1T-03(3-2) JAE EUN P=3.9 |         |
|                                           |    | PN302   | 561-711B    | O | O | CONNECTOR (CIRC),WAFER | GIL-S-02P-S2T2-EF LG CABLE 2PI |         |
|                                           |    | PT101   | 6170RNGW11A | O | O | TRANSFORMER,SMPS[COIL] | SOOJUNG SJE-W11A WIDE EER3530  |         |

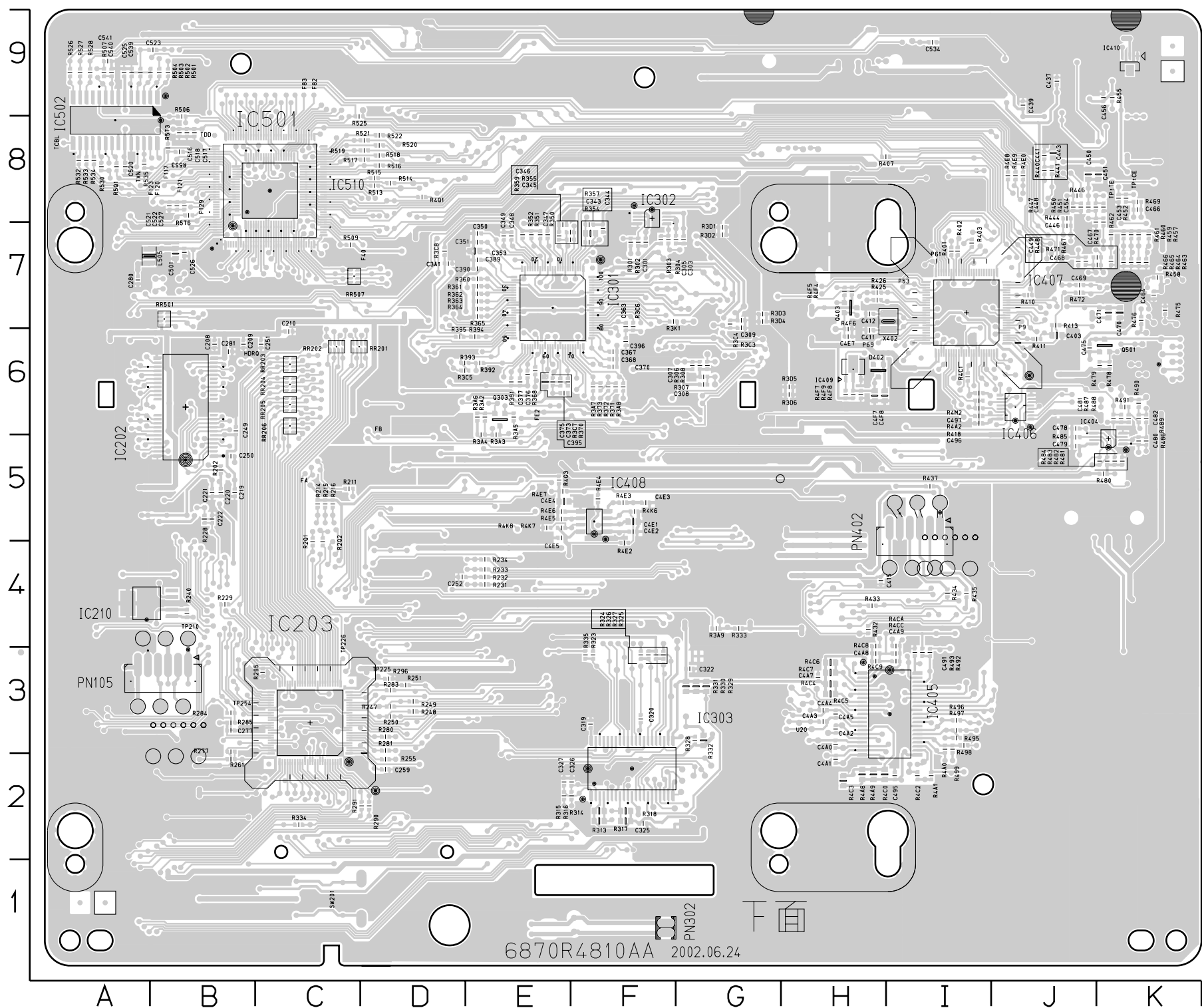
## 1. MAIN P.C.BOARD(TOP SIDE)



## LOCATION GUIDE

|      |    |      |    |      |    |          |    |      |    |      |    |       |    |
|------|----|------|----|------|----|----------|----|------|----|------|----|-------|----|
| ARST | I6 | C330 | E3 | C438 | A8 | IC207    | H4 | R223 | I4 | R376 | G6 | R4L3  | A4 |
| C201 | K5 | C331 | F3 | C440 | B8 | IC208    | I3 | R224 | J4 | R377 | G5 | R4L4  | A4 |
| C202 | K5 | C332 | F3 | C442 | B7 | IC304    | F6 | R225 | J4 | R388 | G6 | R4L5  | A4 |
| C203 | J5 | C333 | E3 | C444 | B8 | IC304/14 | F6 | R226 | J4 | R389 | G6 | R4L6  | B4 |
| C204 | J5 | C334 | I2 | C445 | B7 | IC304/9  | F6 | R227 | J4 | R390 | G6 | R4L7  | B4 |
| C205 | J6 | C335 | E6 | C447 | B7 | IC305    | G6 | R235 | G4 | R396 | G6 | R4L8  | A4 |
| C206 | J6 | C336 | E6 | C455 | A8 | IC306    | G6 | R236 | G5 | R397 | G6 | R4L9  | B6 |
| C207 | J7 | C337 | E5 | C457 | A9 | IC307    | G6 | R237 | H5 | R398 | G6 | R4M1  | C4 |
| C211 | I6 | C338 | E6 | C458 | A6 | IC308    | H6 | R238 | H4 | R399 | G6 | R4M3  | B3 |
| C212 | I6 | C339 | F6 | C463 | C9 | IC402    | B8 | R239 | H4 | R3A1 | G6 | R4M4  | B3 |
| C213 | I5 | C340 | F6 | C465 | A8 | IC403    | A7 | R241 | H5 | R3C1 | F5 | R4S1  | C7 |
| C214 | I5 | C341 | F7 | C472 | A7 | IC411    | A4 | R242 | H5 | R3C2 | G6 | R4S2  | C7 |
| C215 | I5 | C342 | F7 | C473 | A6 | INT      | I8 | R243 | H5 | R3C9 | F7 | R4S3  | C7 |
| C216 | I5 | C352 | G8 | C474 | A6 | L-CH     | H5 | R244 | H5 | R400 | C7 | R4S4  | C7 |
| C217 | I5 | C354 | G7 | C476 | A6 | L201     | K5 | R245 | H5 | R404 | C7 | R4S5  | C7 |
| C218 | I5 | C362 | F7 | C477 | A5 | L301     | F8 | R252 | I3 | R405 | B7 | R4S6  | C7 |
| C223 | J5 | C364 | F7 | C492 | C3 | L302     | F8 | R253 | I3 | R408 | H7 | R4S7  | C7 |
| C224 | I1 | C365 | F7 | C493 | C5 | L304     | E3 | R254 | H3 | R409 | H7 | R4S8  | C7 |
| C225 | I1 | C369 | F7 | C494 | D5 | L306     | G8 | R259 | I3 | R412 | C6 | R505  | K9 |
| C244 | K5 | C371 | F7 | C498 | D3 | L441     | A9 | R260 | I2 | R414 | B6 | R508  | I7 |
| C245 | J5 | C372 | G6 | C499 | D3 | L442     | A8 | R262 | J2 | R415 | B6 | R512  | I8 |
| C246 | K4 | C374 | G7 | C4A6 | D5 | L491     | C4 | R263 | J2 | R416 | C6 | R524  | I8 |
| C247 | J4 | C378 | G6 | C4E6 | B7 | L501     | K9 | R264 | J2 | R417 | C6 | R529  | K8 |
| C248 | K4 | C379 | G7 | C4F6 | D5 | L502     | D5 | R265 | J2 | R419 | C6 | R531  | K8 |
| C253 | G5 | C380 | G6 | C4G1 | C6 | L507     | D6 | R266 | I2 | R420 | C6 | R590  | H8 |
| C254 | H4 | C381 | F5 | C4G2 | C6 | MCKO     | B8 | R267 | I2 | R421 | C6 | R5S1  | J7 |
| C255 | G4 | C382 | G6 | C4G3 | C6 | MIRR     | B9 | R268 | H4 | R422 | C6 | R5S2  | J7 |
| C256 | H4 | C383 | G6 | C502 | J8 | MONIT    | H6 | R269 | I2 | R423 | C6 | R5S4  | J8 |
| C258 | I2 | C384 | H6 | C503 | J7 | PA5      | B6 | R270 | I2 | R424 | C6 | R5T1  | J7 |
| C260 | J2 | C385 | G6 | C504 | J7 | PANICIN  | I5 | R271 | I3 | R427 | C7 | R5T2  | J7 |
| C261 | J3 | C386 | G7 | C505 | I8 | PGCK2    | I7 | R279 | J5 | R436 | C4 | R5T4  | J8 |
| C262 | I2 | C387 | F6 | C506 | I8 | PN301    | E7 | R286 | I2 | R442 | B8 | R5T5  | J8 |
| C263 | I2 | C388 | G7 | C507 | I7 | PN302    | F1 | R287 | I2 | R443 | B8 | R5T7  | J8 |
| C264 | I2 | C391 | E2 | C508 | I7 | PN303    | J7 | R288 | I1 | R445 | B8 | RAD10 | J6 |
| C265 | I2 | C392 | E5 | C510 | H8 | PN304    | E3 | R289 | I1 | R449 | B8 | RAD11 | J6 |
| C266 | I2 | C393 | E3 | C511 | H8 | PN401    | D4 | R292 | I1 | R453 | A8 | ROP3  | J5 |
| C268 | I2 | C394 | G6 | C513 | I8 | PN403    | D3 | R293 | I7 | R456 | A8 | RR502 | J7 |
| C269 | J3 | C397 | E2 | C514 | I8 | PN405    | A5 | R294 | I1 | R468 | A7 | RR503 | J7 |
| C270 | J3 | C398 | E5 | C515 | I8 | PN406    | A6 | R297 | I3 | R473 | A6 | RR504 | I7 |
| C271 | J3 | C399 | G7 | C524 | K9 | PN501    | H9 | R2Q3 | J3 | R474 | A6 | RR505 | I  |

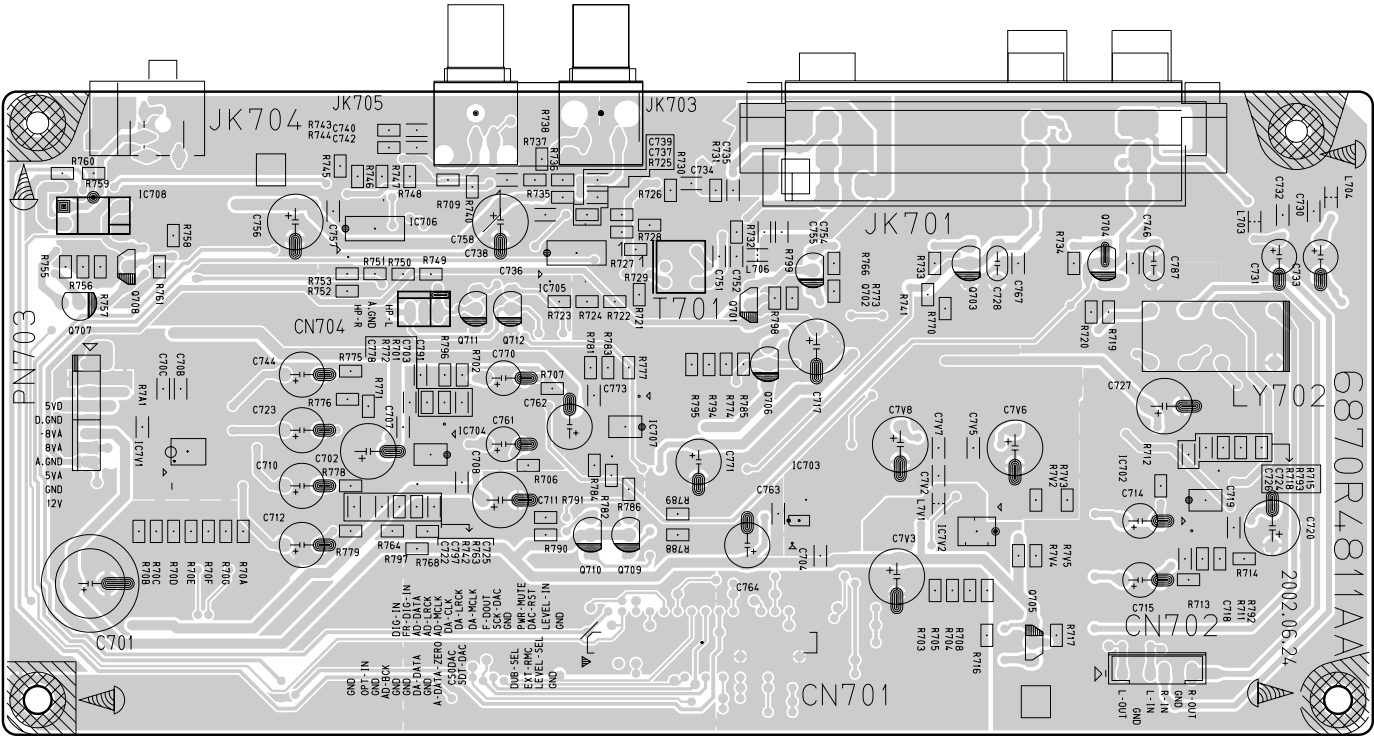
## 2. MAIN P.C.BOARD(BOTTOM SIDE)



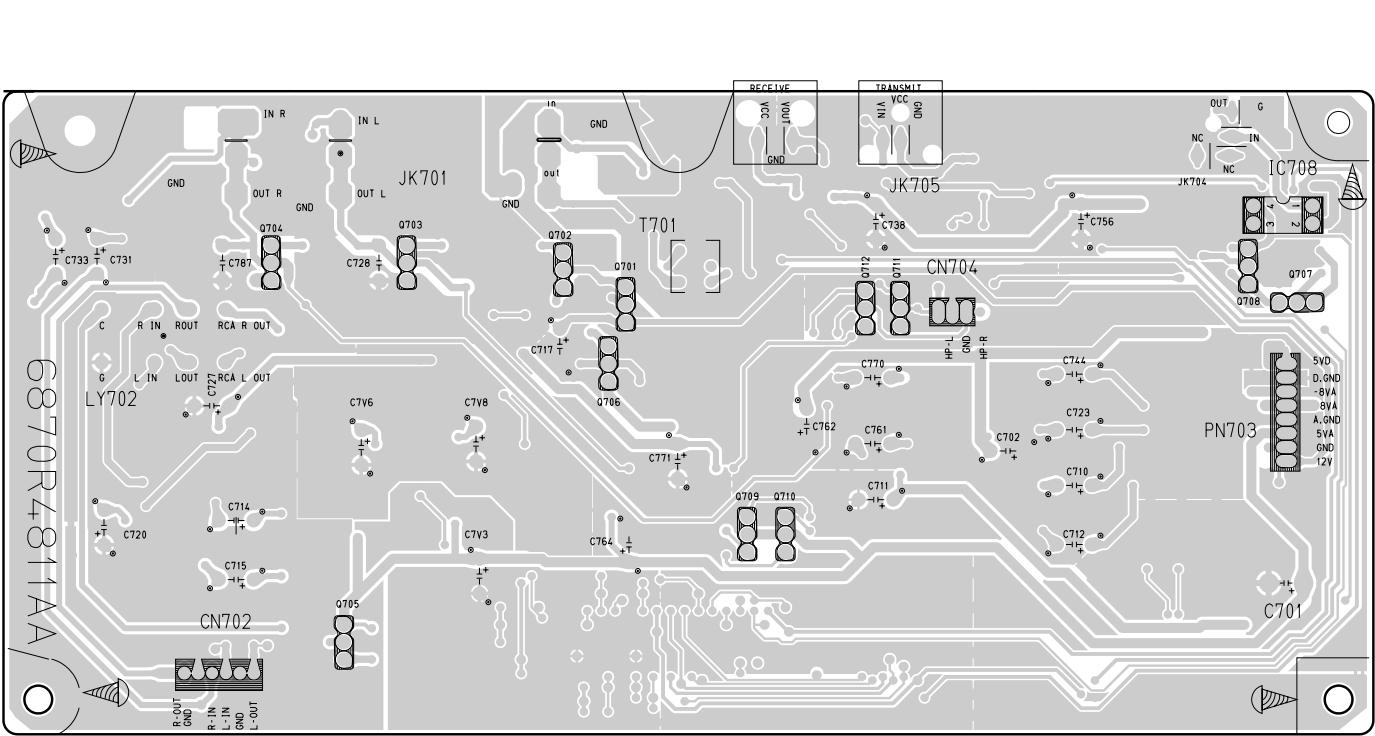
## LOCATION GUIDE

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|----------|----|------|----|----------|----|------|----|------|----|------|----|-------|----|
| LWR      | B3 | C446 | J7 | F123     | B8 | R247 | D3 | R372 | F6 | R465 | K7 | R4F9  | H6 |
| AS       | B3 | C448 | J8 | F129     | B8 | R248 | D3 | R373 | F6 | R466 | K7 | R4G3  | E5 |
| BETA+OUT | B6 | C449 | J7 | F40      | D7 | R249 | D3 | R391 | E6 | R467 | K7 | R4K6  | F5 |
| C208     | B6 | C450 | J8 | F82      | C9 | R250 | D3 | R392 | E6 | R469 | K8 | R4K7  | E5 |
| C209     | B6 | C451 | K8 | F83      | C9 | R251 | D3 | R393 | D6 | R470 | K7 | R4K8  | E5 |
| C210     | C6 | C453 | K8 | FA       | C5 | R255 | D2 | R394 | E6 | R471 | K7 | R4M2  | I6 |
| C219     | B5 | C454 | K8 | FB       | D5 | R261 | B2 | R395 | D6 | R472 | J7 | R4Q1  | D8 |
| C220     | B5 | C456 | K9 | FE1      | E6 | R277 | B3 | R3A2 | E6 | R475 | K7 | R501  | B9 |
| C221     | B5 | C464 | K7 | FE2      | E6 | R280 | D3 | R3A3 | E5 | R476 | K7 | R502  | B9 |
| C222     | B5 | C466 | K8 | HDRQ     | B6 | R281 | D3 | R3A4 | E5 | R478 | K6 | R503  | B9 |
| C249     | B6 | C467 | J7 | IC202    | B6 | R283 | D3 | R3A5 | E6 | R479 | K6 | R504  | A  |
| C250     | B5 | C468 | K7 | IC203    | C3 | R284 | B3 | R3A6 | E6 | R480 | K5 | R506  | B8 |
| C251     | C6 | C469 | J7 | IC210    | A4 | R285 | B3 | R3A7 | F6 | R481 | K5 | R507  | A9 |
| C252     | D4 | C470 | K7 | IC301    | E7 | R290 | D2 | R3A8 | F6 | R482 | K5 | R509  | C7 |
| C259     | D2 | C471 | K7 | IC301/2  | F7 | R291 | D2 | R3A9 | G4 | R483 | K5 | R513  | D8 |
| C277     | B3 | C475 | J6 | IC301/23 | F7 | R295 | C3 | R3C3 | G6 | R484 | K5 | R514  | D8 |
| C280     | A7 | C478 | J6 | IC301/4  | F6 | R296 | D3 | R3C4 | G7 | R485 | J5 | R515  | D8 |
| C281     | B6 | C479 | J5 | IC301/6  | F6 | R2Q1 | C4 | R3C5 | D6 | R486 | K5 | R516  | D8 |
| C301     | F7 | C480 | K5 | IC301/6  | F6 | R2Q2 | C4 | R3C6 | F7 | R487 | K6 | R517  | D8 |
| C303     | G7 | C481 | K6 | IC301/70 | F6 | R301 | F7 | R3C7 | E6 | R488 | K6 | R518  | D8 |
| C305     | G7 | C482 | K6 | IC301/8  | F7 | R302 | F7 | R3C8 | D7 | R489 | K6 | R519  | D8 |
| C307     | G6 | C491 | I3 | IC301/8  | F7 | R303 | F7 | R3D1 | G7 | R490 | K6 | R520  | D8 |
| C308     | G6 | C495 | I2 | IC301/8  | F7 | R304 | F7 | R3D2 | G7 | R491 | K6 | R521  | D8 |
| C309     | G7 | C496 | I6 | IC301/8  | F7 | R306 | G6 | R3D3 | G7 | R492 | I3 | R522  | D8 |
| C319     | F3 | C497 | I6 | IC301/9  | E7 | R307 | G6 | R3D4 | G7 | R493 | I3 | R525  | C8 |
| C320     | F3 | C4A0 | H3 | IC302    | F8 | R308 | G6 | R3D5 | H6 | R495 | I3 | R526  | A9 |
| C322     | G3 | C4A1 | H2 | IC303    | F2 | R313 | F2 | R3D6 | H6 | R496 | I3 | R527  | A9 |
| C325     | F2 | C4A2 | H3 | IC404    | K5 | R314 | F2 | R3K1 | F7 | R497 | I3 | R528  | A9 |
| C326     | F2 | C4A3 | H3 | IC405    | I3 | R315 | E2 | R401 | I7 | R498 | I3 | R530  | A8 |
| C327     | E2 | C4A4 | H3 | IC406    | J6 | R316 | F2 | R402 | I7 | R499 | I3 | R532  | A8 |
| C343     | F7 | C4A5 | H3 | IC407    | I7 | R317 | F2 | R403 | I7 | R4A0 | I3 | R533  | A8 |
| C344     | F7 | C4A7 | H3 | IC408    | F5 | R318 | F2 | R407 | H8 | R4A1 | I2 | R534  | A8 |
| C345     | E7 | C4A8 | H3 | IC409    | H6 | R323 | F3 | R410 | J7 | R4A2 | I6 | R535  | A8 |
| C346     | E7 | C4A9 | I3 | IC410    | K9 | R324 | F3 | R411 | J6 | R4A8 | H2 | R5Q1  | A8 |
| C347     | E7 | C4E1 | F5 | IC501    | C8 | R325 | F3 | R413 | J7 | R4A9 | H2 | R533  | B8 |
| C348     | E7 | C4E2 | F5 | IC502    | A8 | R326 | F3 | R418 | I6 | R4C0 | H2 | R5T3  | B8 |
| C349     | E7 | C4E3 | F5 | IC510    | C8 | R327 | F3 | R425 | H7 | R4C1 | I6 | R5T6  | B8 |
| C350     | E7 | C4E4 | E5 | L505     | A7 | R328 | G3 | R426 | H7 | R4C2 | I2 | RR201 | C6 |
| C351     | E7 | C4E5 | E5 | P53      | I7 | R329 | G3 | R432 | H4 | R4C3 | H2 | RR202 | C6 |
| C353     | E7 | C4E7 | H6 | P61      | I7 | R330 | G3 | R433 | H4 | R4C4 | H3 | RR203 | C6 |
| C363     | F7 | C4F7 | H6 | P69      | H6 | R331 | G3 | R434 | I4 | R4C5 | H3 | RR204 | C6 |
| C367     | F6 | C4F8 | H6 | P72      | I6 | R332 | G3 | R435 | I4 | R4C6 | H3 | RR205 | C6 |
| C368     | F6 | C501 | B7 | P9       | J6 | R333 | G4 | R437 | I5 | R4C7 | H3 | RR206 | C6 |
| C370     | F6 | C516 | B8 | P91      | I6 | R334 | C2 | R440 | J8 | R4C8 | H4 | RR501 | B7 |
| C373     | E6 | C517 | B8 | PN105    | B3 | R335 | F3 | R441 | J8 | R4C9 | H3 | RR507 | C7 |
| C375     | E6 | C518 | B8 | PN402    | I4 | R350 | E7 | R444 | J8 | R4CA | I4 | RRF   | F6 |
| C376     | E6 | C520 | A8 | Q303     | E6 | R351 | E7 | R446 | J8 | R4CC | I3 | TCBL  | A8 |
| C377     | E6 | C521 | B8 | Q403     | H7 | R352 | E7 | R447 | J8 | R4E0 | J8 | TDD   | B8 |
| C389     | E7 | C522 | B8 | Q501     | K6 | R354 | F7 | R448 | J7 | R4E2 | F4 | TP210 | B4 |
| C390     | E7 | C523 | B9 | R202     | B5 | R355 | E7 | R450 | J8 | R4E3 | F5 | TP225 | D3 |
| C395     | E6 | C525 | A9 | R211     | C5 | R357 | F7 | R451 | J8 | R4E4 | F5 | TP226 | C3 |
| C396     | F6 | C526 | B7 | R214     | C5 | R359 | E7 | R452 | K8 | R4E5 | E5 | TP250 | C3 |
| C3A1     | D7 | C527 | B8 | R215     | C5 | R360 | E7 | R455 | K9 | R4E6 | E5 | TP254 | B3 |
| C403     | J6 | C534 | I9 | R216     | C5 | R361 | E7 | R457 | K7 | R4E7 | E5 | TP49  | I8 |
| C411     | H6 | C539 | A9 | R228     | B5 | R362 | E7 | R458 | K7 | R4E8 | J8 | TP±CE | K8 |
| C412     | H7 | C540 | A9 | R229     | B4 | R363 | E7 | R459 | K7 | R4E9 | J8 | TP±FE | J7 |
| C415     | H4 | C541 | A9 | R231     | E4 | R364 | E7 | R460 | K7 | R4F4 | H7 | TP±TE | K8 |
| C437     | J9 | D402 | H6 | R232     | E4 | R365 | E7 | R461 | K7 | R4F5 | H7 | TXN   | A8 |
| C439     | J9 | F117 | B8 | R233     | E4 | R368 | E6 | R462 | K7 | R4F6 | H6 | U20   | H3 |
| C441     | J8 | F120 | B8 | R234     | E4 | R370 | E6 | R463 | K7 | R4F7 | H6 | V±TP  | H3 |
| C443     | J8 | F121 | B8 | R240     | B4 | R371 | F6 | R464 | K7 | R4F8 | H6 | X402  | I7 |

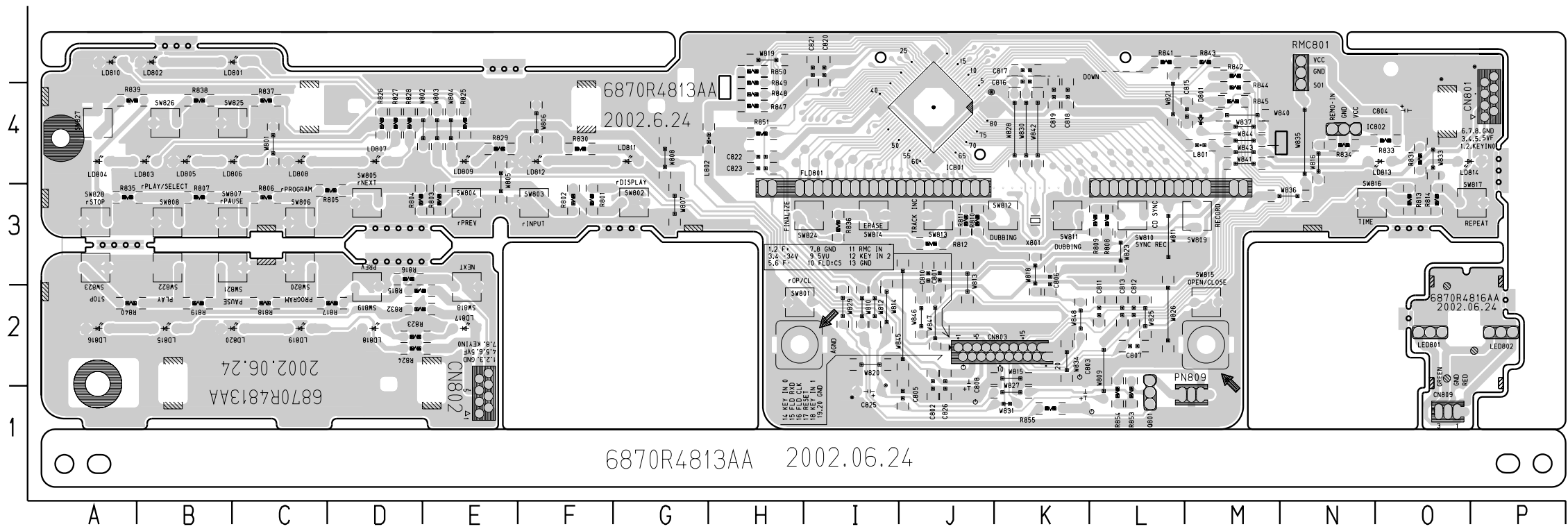
3. I/O P.C.BOARD(TOP SIDE)



4. I/O P.C.BOARD (BOTTOM SIDE)



5. FRONT P.C.BOARD

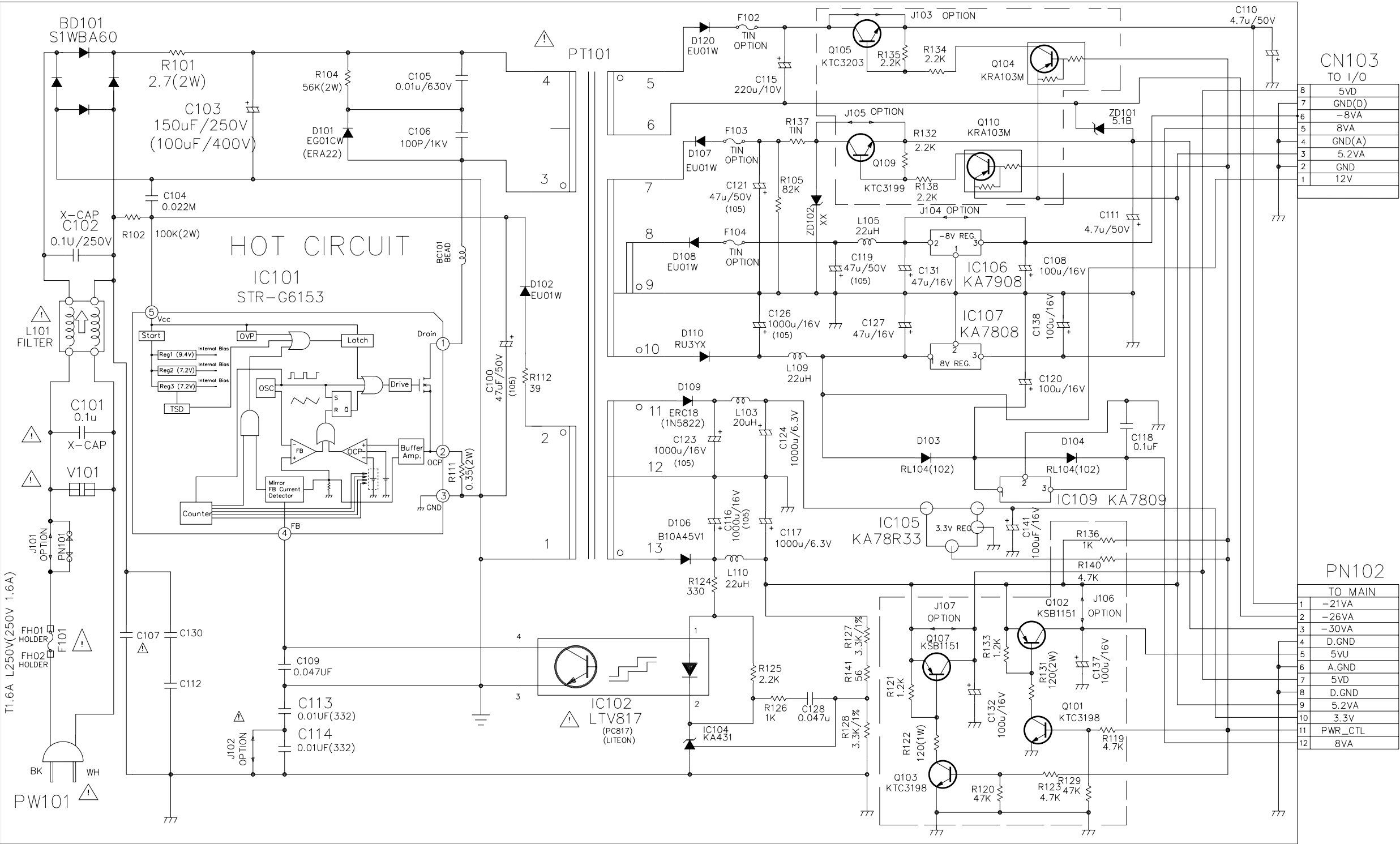


LOCATION GUIDE

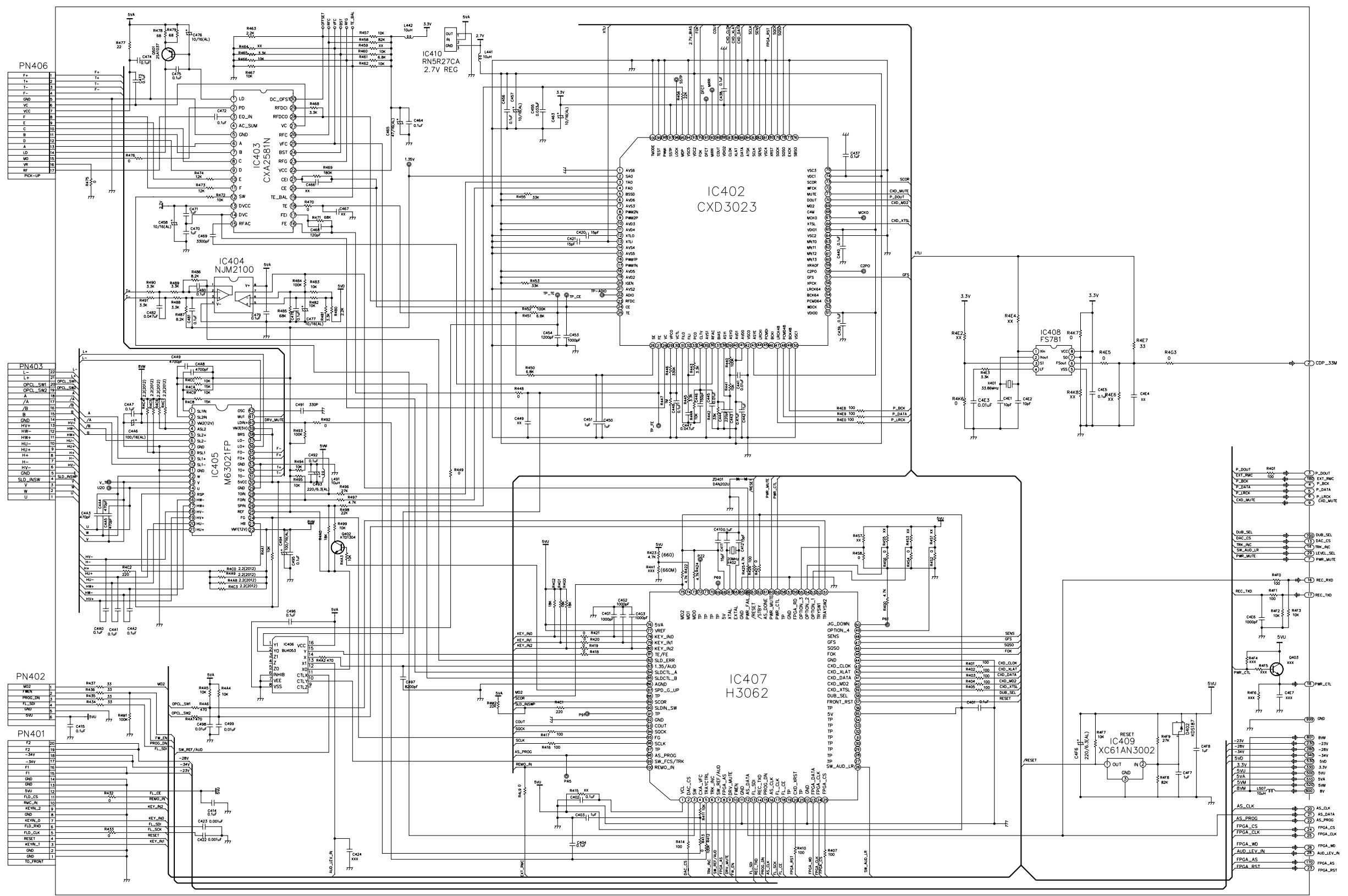
|        |    |        |    |        |    |
|--------|----|--------|----|--------|----|
| C801   | J3 | LD815  | B2 | R840   | A2 |
| C802   | J2 | LD816  | A2 | R841   | L5 |
| C803   | K1 | LD817  | E2 | R842   | M5 |
| C804   | O4 | LD818  | D2 | R843   | M5 |
| C805   | J1 | LD819  | C2 | R844   | M4 |
| C806   | K3 | LD820  | C2 | R845   | M4 |
| C807   | L2 | LED801 | O2 | R847   | H4 |
| C808   | J2 | LED802 | P2 | R848   | H4 |
| C810   | J3 | PN809  | L1 | R849   | H4 |
| C811   | L2 | O801   | L1 | R850   | H5 |
| C812   | L2 | R801   | F3 | R851   | H4 |
| C813   | L2 | R802   | F3 | R853   | L1 |
| C815   | M4 | R803   | E3 | R854   | L1 |
| C816   | K5 | R804   | D3 | R855   | K1 |
| C817   | K5 | R805   | D3 | RMC801 | N5 |
| C818   | K4 | R806   | C3 | SW801  | H2 |
| C819   | K4 | R807   | B3 | SW802  | G3 |
| C820   | L5 | R808   | L3 | SW803  | F3 |
| C821   | L5 | R809   | L3 | SW804  | E3 |
| C822   | H4 | R810   | J3 | SW805  | D3 |
| C823   | H4 | R811   | J3 | SW806  | C3 |
| C825   | I1 | R812   | J3 | SW807  | C3 |
| C826   | J2 | R813   | O3 | SW808  | B3 |
| CN801  | P4 | R814   | O3 | SW809  | M3 |
| CN802  | E1 | R815   | D2 | SW810  | L3 |
| CN803  | J2 | R816   | D3 | SW811  | K3 |
| CN809  | O1 | R817   | D2 | SW812  | K3 |
| D801   | M4 | R818   | C2 | SW813  | J3 |
| FLD801 | H3 | R819   | B2 | SW814  | I3 |
| IC802  | N4 | R823   | D2 | SW815  | M2 |
| L801   | M4 | R824   | D2 | SW816  | N3 |
| L802   | H4 | R825   | E4 | SW817  | P3 |
| LD801  | C5 | R826   | D4 | SW818  | E2 |
| LD802  | B5 | R827   | D4 | SW819  | D2 |
| LD803  | B4 | R828   | D4 | SW820  | C3 |
| LD804  | A4 | R829   | E4 | SW821  | C3 |
| LD805  | B4 | R830   | F4 | SW822  | B3 |
| LD806  | C4 | R831   | O4 | SW823  | A3 |
| LD807  | D4 | R832   | D2 | SW824  | I3 |
| LD808  | C4 | R833   | O4 | SW825  | C4 |
| LD809  | E4 | R834   | N4 | SW826  | B4 |
| LD810  | A5 | R835   | A3 | SW827  | A4 |
| LD811  | G4 | R836   | I3 | SW828  | A3 |
| LD812  | F4 | R837   | C4 | X801   | K3 |
| LD813  | O4 | R838   | B4 |        |    |
| LD814  | O4 | R839   | A4 |        |    |

CIRCUIT DIAGRAM

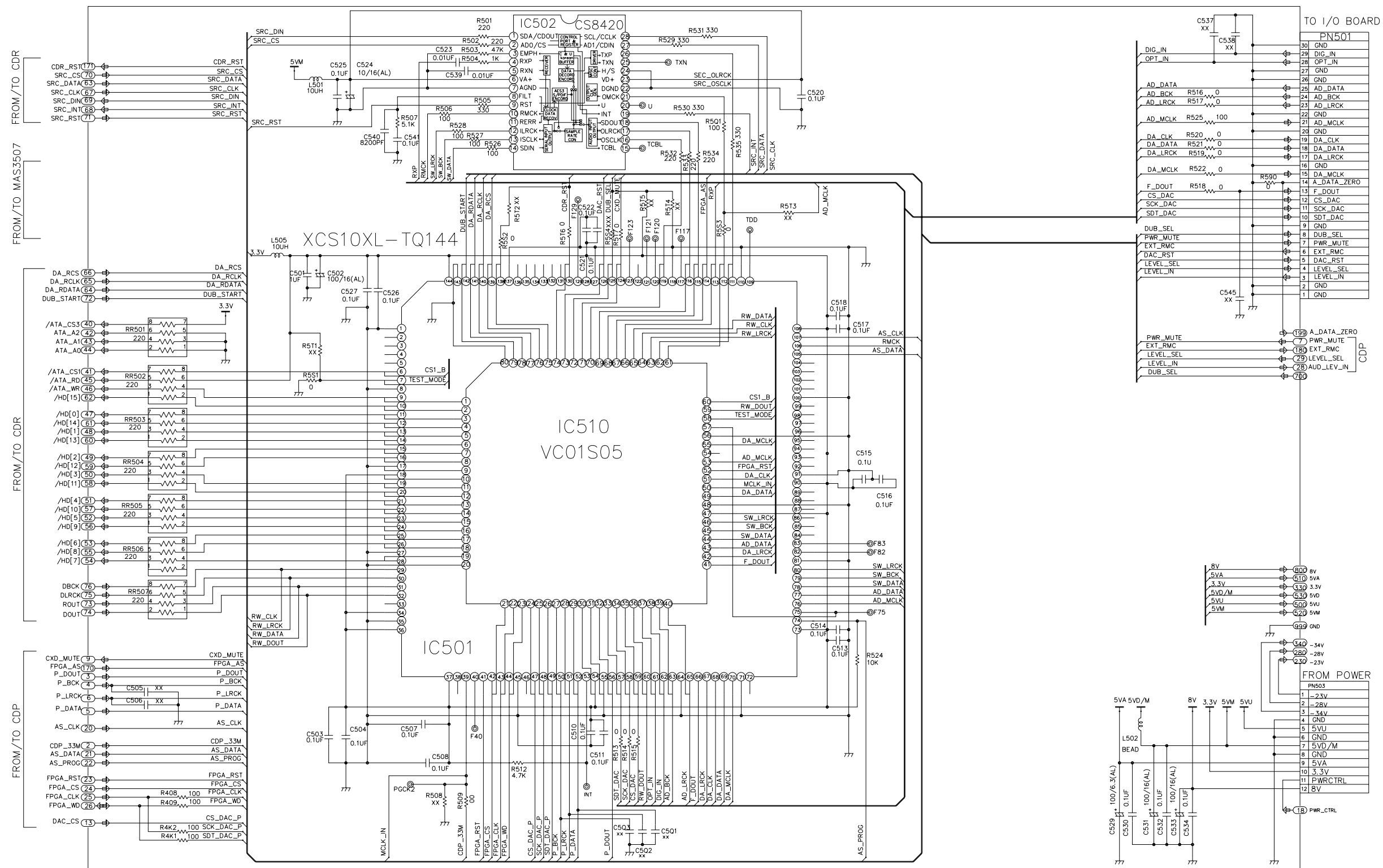
1. POWER CIRCUIT DIAGRAM



2. CD-P CIRCUIT DIAGRAM

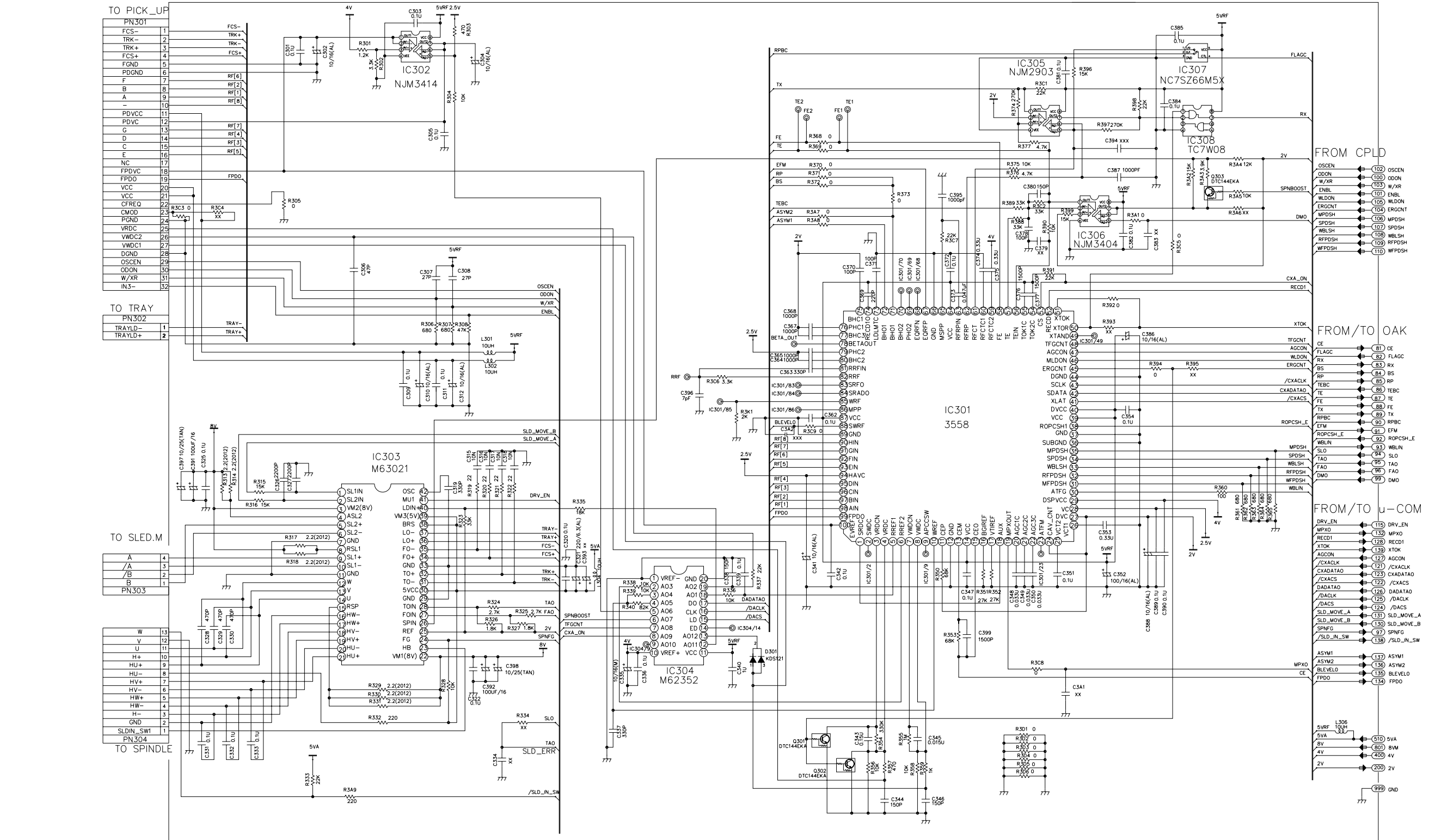


### 3. CD-RW CIRCUIT DIAGRAM



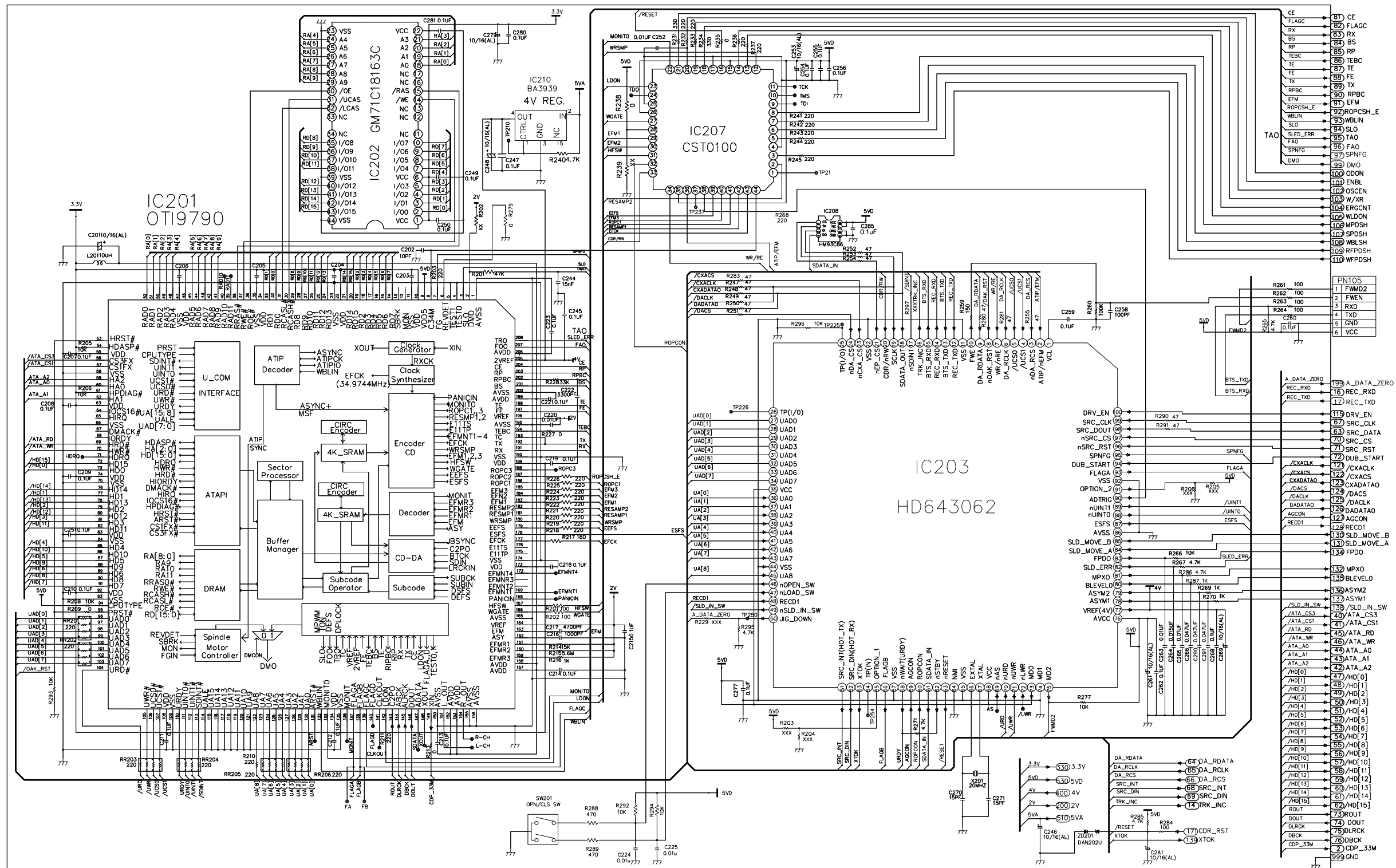
02.10.16 3854R10733A  
ADR-660  
CDRW(3/3)

4. CD-R RF CIRCUIT DIAGRAM

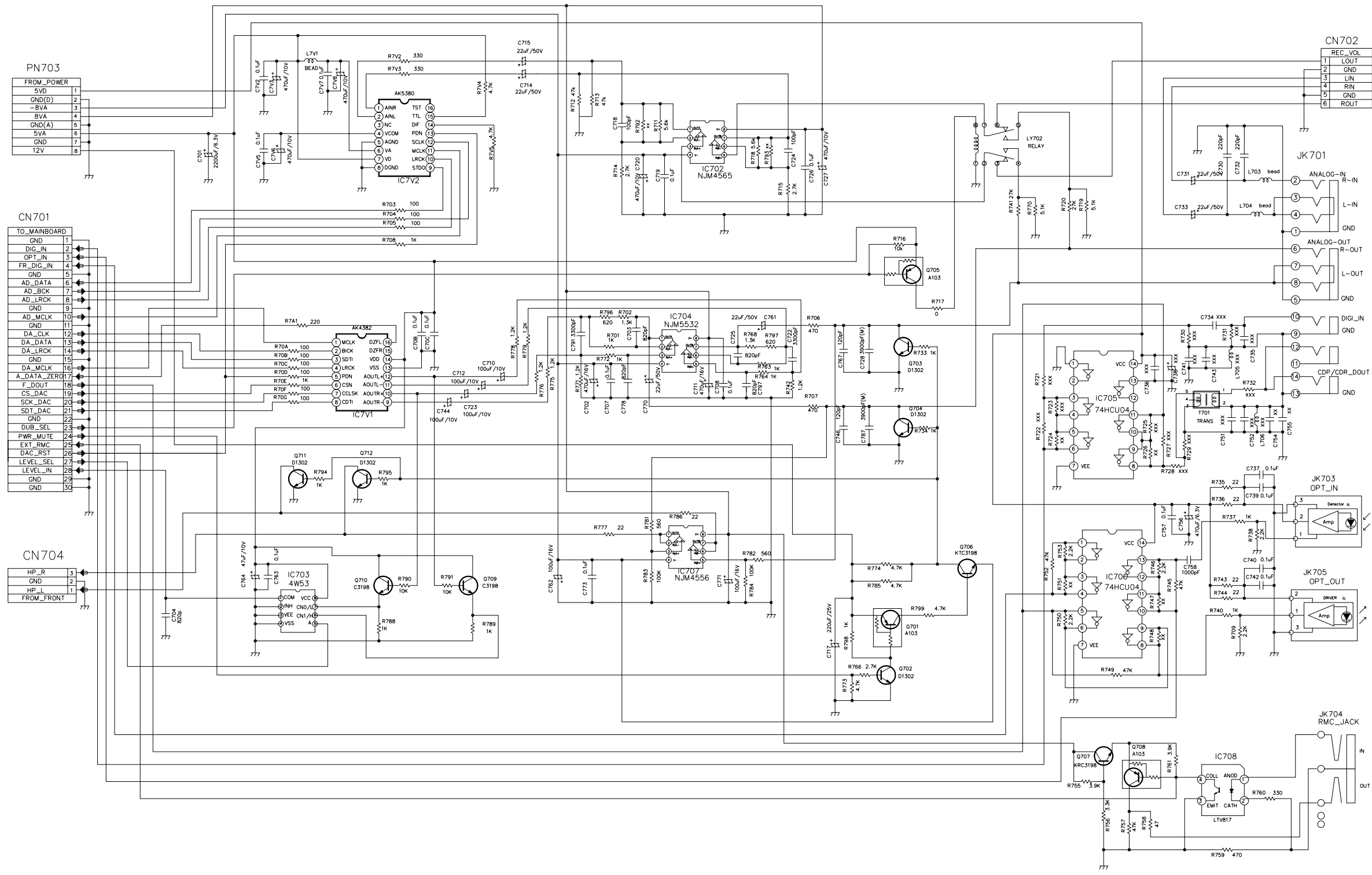


02.10.16 3854R10732A  
CD-R RF  
ADR-660/660M

## 5. CD-R, $\mu$ -COM/DSP CIRCUIT DIAGRAM

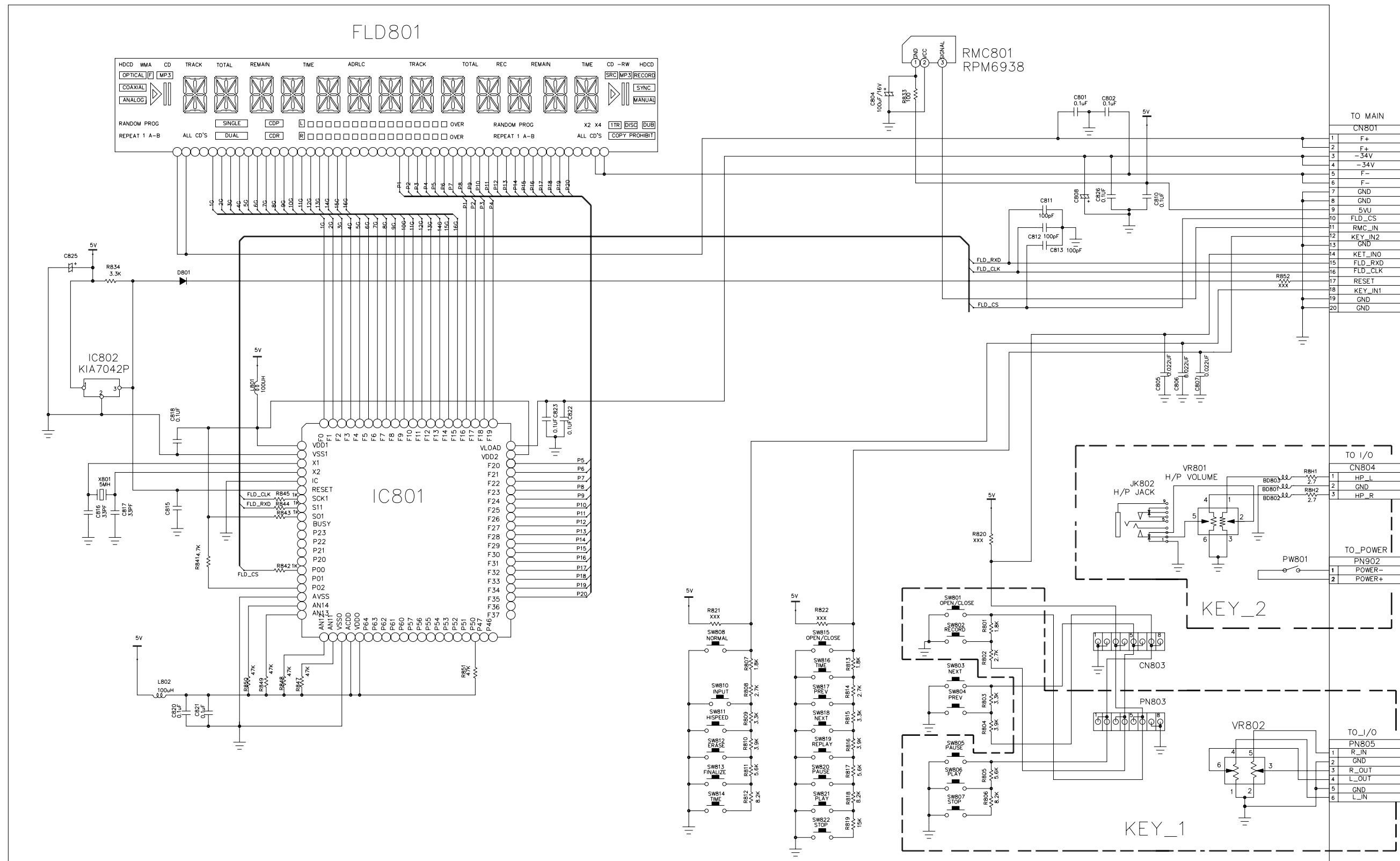


6. I/O CIRCUIT DIAGRAM



02.10.16 3854R10734A  
ADR660  
D'SCHEMATICS I/O

## 7. FRONT CIRCUIT DIAGRAM



02.10.16 3854R10736A  
ADR-660\_VE(SONY)  
D'SCHEMATIC FRONT