

TASCAM

TEAC Professional Division

SERVICE MANUAL

CD-RW900



CD Rewritable Recorder

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INSTRUCTIONS FOR SERVICE PERSONNEL

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

1. SAFETY INFORMATION

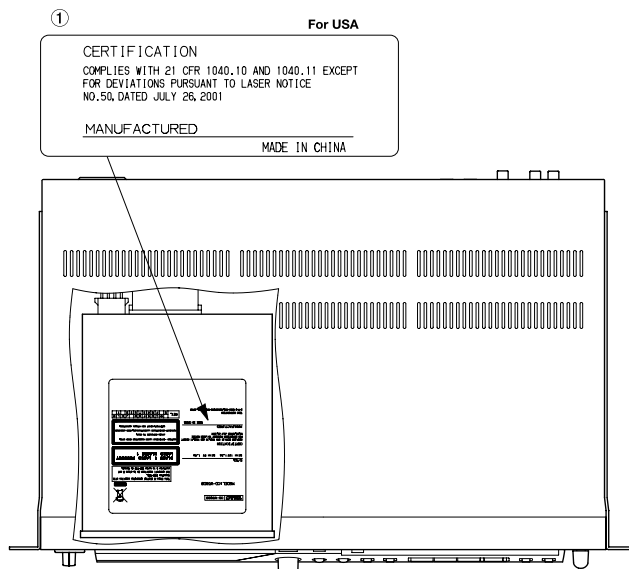
This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as a class 1 laser product. There is no hazardous invisible laser radiation

during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown .

●CAUTION

USE OF CONTROLS OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.



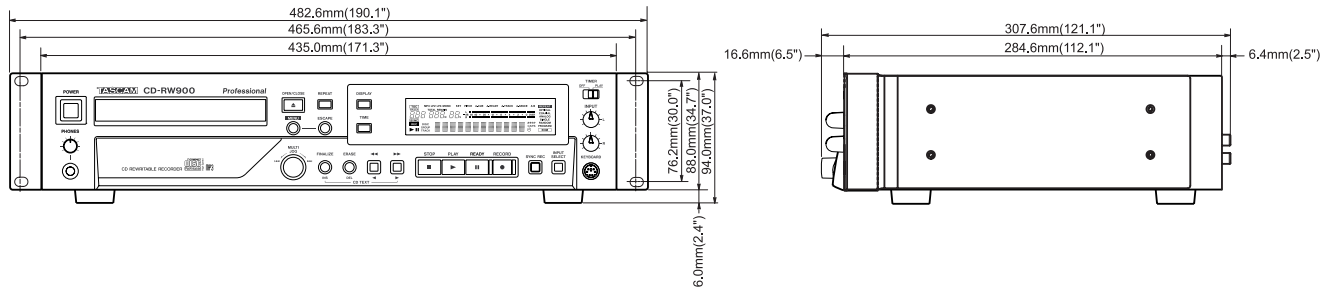
| | | |
|------------------------|--------------|--|
| Optical pickup: | Type | : SF-W37SFT |
| | Manufacturer | : Sankyo Electric Co,Ltd |
| | Laser output | : Less than 0.7 mW on the objective lens(record) |
| | Wavelength | : 760 to 800 nm |

2. SPECIFICATIONS

仕様

| | | | |
|-------------------------------|---|--|--|
| Recordable discs | CD-R, CD-R-DA, CD-RW, CD-RW-DA (High speed CD-RW is supported) | CDデッキ部定格 記録ディスク | CD-R, CD-R-DA, CD-RW, CD-RW-DA (CD-RW はHigh Speed に対応) |
| Quantization bit depth | 16 bit | 量子化ビット数 | 16bit リニア |
| Sampling frequency | 44.1 kHz | サンプリング周波数 | 44.1 kHz |
| Frequency response | 20 Hz~20 KHz ±0.8 dB (playback) ±1.0 dB (recording) | 再生周波数特性 | 20Hz ~ 20KHz ± 0.8dB (再生時) ± 1.0dB (記録時) |
| S/N | 95 dB (playback) 90 dB (recording) | S/N | 95dB 以上 (再生時) 90dB 以上 (記録時) |
| Dynamic range | 95 dB (playback) 90 dB (recording) | ダイナミックレンジ | 95dB 以上 (再生時) 90dB 以上 (記録時) |
| Distortion | 0.006 % (playback) 0.008 % (recording) | 歪率 | 0.006% 以下 (再生時) 0.008% 以下 (記録時) |
| Channel separation | 90 dB (playback) 80 dB (recording) | チャンネルセパレーション | 90dB 以上 (再生時 : 1kHz) 80dB 以上 (記録時 : 1kHz) |
| Wow and flutter | < 0.001 % (unmeasurable) | ワウフラッター | 測定限界以下 (0.001% 以下) 入出力定格 |
| Analog inputs | Unbalanced input RCA pin Level -10 dBV (Full Scale -16 dB) Minimum input level -19 dBV (adjustable level at Full Scale -16 dB) Input impedance 22 k Ω \pm 10 % (unbalanced) | アナログ入力 アンバランス入力 規定入力レベル | RCA ピン 10dBV (Full Scale -16dB) |
| Analog outputs | Unbalanced output RCA pin Level -10 dBV \pm 2 dB (Full Scale -16 dB) Maximum output level +6 dBV \pm 2 dB Output impedance 600 Ω \pm 10% (unbalanced) | 最小入力レベル | 19dBV 以上 (規定レベル (Full Scale -16dB) に調整可能な最 小入力レベル) |
| Phones output | Stereo (6.3 ϕ) 20 mW 32 Ω | 入力インピーダンス | 22K Ω \pm 10% (不平衡) |
| Digital input | Coaxial RCA pin jack (IEC-60958 Consumer use) Optical TOSLINK (IEC-60958 Consumer use) | アナログ出力 アンバランス出力 規定出力レベル | RCA ピン -10dBV \pm 2dB (Full Scale -16dB) |
| Digital output | Coaxial RCA pin jack (IEC-60958 Consumer use) Optical TOSLINK (IEC-60958 Consumer use) | 最大出力レベル 出カインピーダンス | + 6dBV \pm 2dB 600 Ω \pm 10% (不平衡) |
| Keyboard | Mini DIN 6 pin | ヘッドホン出力ステレオ標準 (6.3 ϕ) | 20mW 以上、32 Ω 負荷 |
| Power | U.S.A./Canada 120VAC, 60Hz U.K./Erope 230VAC, 50Hz Australia 240VAC, 50Hz | デジタル入力 COAXIAL | RCA ピン (IEC-60958 コン シューマユース) |
| Power consumption | U.S.A./Canada 16 W U.K./Erope 18 W Australia 18 W | OPTICAL | TOSLINK (IEC-60958 コン シューマユース) |
| Dimensions (d x w x h) | 307.6 x 482.6 x 94 (mm) | デジタル出力 COAXIAL | RCA ピン (IEC-60958 コン シューマユース) |
| Weight | 4.9 kg (10.8 lb) | OPTICAL | TOSLINK (IEC-60958 コン シューマユース) |
| | | KEYBOARD | Mini DIN 6pin |
| | | 電源 | 100VAC、50/60Hz |
| | | 消費電力 | 14W |
| | | 外形寸法 | 482.6 x 94 x 307.6mm (幅×高さ×奥行き) |
| | | 重量 | 4.9kg |

Dimensional drawing 外形寸法图



3. Test Mode

テストモード

1. Getting into test mode

While holding down the PLAY,READY and ►► keys, switch on the power.

To turn the test mode off, switch off the power.

All check modes except for KEY CHECK mode can be exited by pressing the STOP key.

All of the tests listed below can be performed on CD-RW900 System Version 1.02 and above or CD-RW901 System Version 1.00 and above. With earlier versions, there are some test items that are not displayed.

2. Test mode menu

When running in test mode, the center encoder is available for selecting test items and confirming your selection.

The following items are available:

1. [DISPLAY CHK]
2. [KEY CHECK]
3. [ENCODER CHK]
4. [TIMER SW CHK]
5. [KEYBOARD CHK]
6. [REMOTE CHK]
7. [RS-232C CHK]
8. [PARALLEL CHK]
9. [EEP CHECK]
10. [DISC CHECK]
11. [VERSION CHK]

When an item is selected and you press the STOP key, you will go back to the test mode menu.

3. Test items explained

1) DISPLAY CHK

The FL display tube shows the following displays in sequence with each press of the DISPLAY key.

To turn off this selection, press the STOP key.

- 1st stage: "Push Display" shows.
- 2nd stage: FL display tube blacks out.
- 3rd stage: GRID 1 illuminated (INPUT, AUTO xxx, etc) .
- 4th stage: GRID 2 illuminated (level meter).
- 5th stage: GRID 3 illuminated (7-seg.Min, etc).
- 6th stage: GRID 4 illuminated (PLAY, READY, REC and other button symbols)
- 7th stage: Character display illuminated (vertical stripes)
- 8th stage: Character display illuminated (horizontal stripes)
- 9th stage: Character display illuminated (checkered flag)
- 10th stage: Character display fully illuminated

Press again the DISPLAY key to terminate DISPLAY CHK.

2) KEY CHECK

Press keys in sequence as the FL display tube shows.

When you have sequenced through all keys, the KEY CHECK process automatically ends.

Pressing the ENTER key (MULTI JOG) lets you quit the KEY CHECK mode.

1. テストモードへの入り方

「PLAY」と「READY」と「►►」キーを押しながら電源を入れる。

テストモードは電源OFFで終了する。

KEY CHECKを除き、全てのモードは「STOP」キーを押すと終了する。

全てのテストが完全に実行可能なSystem Versionは、CD-RW900 System Version 1.02／CD-RW901 System Version 1.00以降から有効です。それ以前のバージョンでは表示されない項目も存在します。

2. テストモードメニュー

テストモードに入ったら、センターエンコーダでテスト項目を選択、決定する。

選択項目は以下の通りである。

1. 「DISPLAY CHK」
2. 「KEY CHECK」
3. 「ENCODER CHK」
4. 「TIMER SW CHK」
5. 「KEYBOARD CHK」
6. 「REMOTE CHK」
7. 「RS-232C CHK」
8. 「PARALLEL CHK」
9. 「EEP CHECK」
10. 「DISC CHECK」
11. 「VERSION CHK」

選択状態で「STOP」キーを押すことで選択項目に戻る。

3. 各テストモードの説明

1) DISPLAY CHK

「DISPLAY」キーを押す毎に、FL管にGRID、キャラクター部をまとめて表示する。

「STOP」キーにてテストモードは終了する。

第1段階：「Push Display」を表示

第2段階：FL管消灯

第3段階：GRID 1 点灯 (INPUT,Auto ×××等)

第4段階：GRID 2 点灯 (レベルメーター)

第5段階：GRID 3 点灯 (7seg Min等)

第6段階：GRID 4 点灯 (PLAY,READY,RECマーク*等)

第7段階：キャラクター 点灯 (縦縞)

第8段階：キャラクター 点灯 (横縞)

第9段階：キャラクター 点灯 (チェッカーフラグ)

第10段階：キャラクター 全点灯

再度「DISPLAY」キーを押すとDISPLAY CHKを終了する。

2) KEY CHECK

FL管に表示されたキーを順次押してチェックを行う。最後までキーチェックを行うと、自動的にKEY CHECKを終了する。

「ENTER」キー (MULTI JOG) を押すとKEY CHECKモードを終了する。

3) ENCODER CHK

(With the CD-RW900, test on the pitch encoder is not available.)

The FL display tube shows how to operate which encoder in this order:

- (1) Rotate the encoder counterclockwise over a distance of 3 clicks.
- (2) Rotate the encoder clockwise over a distance of 3 clicks.
- (3) Push the encoder.
- (4) Rotate the pice encoder counterclockwise over a distance of 3 clicks.
- (5) Rotate the pich encoder clockwise over a distance of 3 clicks.
- (6) Push the pich encoder.
- (7) To turn off this selection.

4) TIMER SW CHK

This shows the current control switch position.

Set the control switch to ON and OFF to check to see if "TIMER SW ON" and "TIMER SW OFF" are displayed, respectively.

5) KEYBOARD CHK

As with KEY CHECK, press keys as the FL display tube shows. Unlike with KEY CHECK, you don't need to check all keys.

6) REMOTE CHECK

At the press of any key when "Key Waiting" is displayed, the FL display tube shows the key pressed.

When you press and hold down a key, the related display blinks.

7) RS-232C CHK

(With the CD-RW900, this test is not available.)

This checks data send/receive through RS-232C using a loop jig. To get the check process started, press the ENTER key when "Data Send?" is displayed.

Depending on whether the check is successful or not, either of the following will be displayed:

- OK : "RS-232C Good"
- NG : "Time Out!!"

8) PARALLEL CHECK

(With the CD-RW900, this test is not available.)

At the press of any key when "Key Waiting" is displayed, the FL display tube shows the key pressed and the corresponding tally signal is sent out.

| Key pressed | : Tally signal sent out |
|-------------|-------------------------|
| STOP | : STOP |
| PLAY | : PLAY |
| READY | : READY |
| RECORD | : RECOAD |
| PREVIOUS | : EOM |
| NEXT | : EOM + STOP |
| CALL | : EOM + READY |
| FADER START | : EOM + PLAY |

3) ENCODER CHK

(CD-RW900では、ピッチエンコーダーのテストは行いません。)

FL管にて操作するべきエンコーダーと方法が表示される。順番は

- (1) 「エンコーダーの左回し、クリック3回分」
- (2) 「エンコーダーの右回し、クリック3回分」
- (3) 「エンコーダーのプッシュ」
- (4) 「ピッチエンコーダーの左回し、クリック3回分」
- (5) 「ピッチエンコーダーの右回し、クリック3回分」
- (6) 「ピッチエンコーダーのプッシュ」
- (7) テストモード終了

4) TIMER SW CHK

現在の位置を表示する。

ON側にある場合は「TIMER SW ON」、OFF側にある場合は「TIMER SW OFF」と表示し、両方表示されることを確認する。

5) KEYBOARD CHK

「KEY CHECK」と同様にFL管に表示しているキーを押す。「KEY CHECK」と異なりすべてのキーをチェックする必要はない。

6) REMOTE CHECK

「Key Waiting」表示中に任意のキーを押すと、FL管に押されたキーを表示する。

押し続けると、キー表示が点滅する。

7) RS-232C CHK

(CD-RW900ではテストを行いません。)

RS-232Cの送受信をループ治具で確認を行う。

「Data Send?」表示中に、「ENTER」キーで実行する。

- OK : 「RS-232C Good」
- NG : 「Time Out!!」

上記、どちらかを表示する。

8) PARALLEL CHECK

(CD-RW900ではテストを行いません。)

「Key Waiting」表示中に任意のキーを押すと、FL管に押されたキーを表示し、タリーを出力する。

| | |
|-------------|---------------|
| 入力キー | : 出力タリー |
| STOP | : STOP |
| PLAY | : PLAY |
| READY | : READY |
| RECORD | : RECOAD |
| PREVIOUS | : EOM |
| NEXT | : EOM + STOP |
| CALL | : EOM + READY |
| FADER START | : EOM + PLAY |

9) EEP CHECK

- (1) [DEFAULT]
Initial setting of EEP ROM. For use before shipment.
- (2) [DEF PARA]
Initial setting of EEP ROM. Total play and record times not initialized.
- (3) [CLR TIME]
Only total play and record times on CD are cleared. This option is used when the CD drive is replaced at a TEAC service center.

10) DISC CHECK

- ① “Disc Set” is displayed and the disc tray automatically opens, then insert a disc on the tray and press the OPEN/CLOSE key to close the tray (you can also close the tray with the hand).
- ② The disc is checked while “Disc Read” is displayed and data on the disc is displayed as “ATIP=xxxxxx” before the tray automatically opens.

11) VERSION CHECK

As you rotate the center encoder, the following are displayed:

| | |
|-----------------|------------------------------|
| “SYS Ver xx.xx” | System microcomputer version |
| “KEY Ver xx.xx” | Key microcomputer version |
| “DRV Ver xx.xx” | Drive microcomputer version |
| “DRV xxxxxxxx” | Drive model number |
| “BUILD xxxx” | Build version |
| “PTIME=xxxh” | Total playback time |
| “RTIME=xxxh” | Total record time |
| “FIRM=xxxx” | Firmware mode |

4. Getting into update mode

While holding down the STOP,RECORD and SYNC REC keys, switch on the power.

5. Update mode menu options

After entering update mode, use the encoder to select options and confirm your selection. The following options are provided.

SYSTEM UP
DRIVE UP

6. Update options explained**1) SYSTEM UP**

This updates the SYSTEM.

- ① Record in advance the updater file on a disc with a volume label of UPDATE and under a file name of FLASH.MOT. The file can also be named “RW900_xxxx.MOT” or “RW901_xxxx.MOT”. For xxxx, we recommend using numerals.

9) EEP CHECK

- (1) [DEFAULT]
EEP ROMの初期化設定。工場出荷用。
- (2) [DEF PARA]
EEP ROMの初期化設定。ただし、再生時間、記録時間の積算時間は初期化しない。
- (3) [CLR TIME]
CDの再生&記録積算時間だけの初期化。サービスにてCDドライブを交換したときに使用。

10) DISC CHECK

- ① 「Disc Set」を表示しトレイが自動的にオープンするので、準備したディスクをトレイにのせ、「OPEN/CLOSE」キーでトレイを閉める。(手でトレイを閉めることも可能。)
- ② 「Disc Read」と表示中に挿入されたディスクをチェックし、チェックしたディスク情報を「ATIP=xxxxxxxx」と表示し、トレイが自動的にオープンする。

11) VERSION CHK

エンコーダーを回すことにより、下記が表示されます。

| | |
|-----------------|------------------|
| 「SYS Ver xx.xx」 | System マイコンバージョン |
| 「KEY Ver xx.xx」 | Key マイコンバージョン |
| 「DRV Ver xx.xx」 | Drive マイコンバージョン |
| 「DRV xxxxxxxx」 | Drive 型番 |
| 「BUILD xxxxx」 | Build バージョン |
| 「PTIME=xxxh」 | 総再生時間 |
| 「RTIME=xxxh」 | 総録音時間 |
| 「FIRM=xxxx」 | Firmware モード |

4. アップデートモードへの入り方

「STOP」と「RECORD」と「SYNC REC」キーを押したまま電源を入れる。

5. アップデートモードメニュー

アップデートモードに入った後、エンコーダで項目を選択し、決定する。選択項目は以下の通りである。

「SYSTEM UP」
「DRIVE UP」

6. 各アップデートの説明**1) 「SYSTEM UP」**

SYSTEMのバージョンアップを実行する。

- ① バージョンアップ元のファイルはボリュームラベル「UPDATE」、ファイル名「FLASH.MOT」にして、ディスクに記録しておく。

(ファイル名は「RW900_xxxx.MOT」／「RW901_xxxx.MOT」でも可能。「xxxx」部は数字を推奨。)

- ② When “Sys Update?” is displayed, press the ENTER key.
- ③ “Disc Set” is displayed and the disc tray automatically opens, then insert the prepared disc on the tray and press the OPEN/CLOSE key to close the tray (you can also close the tray with the hand).
- ④ “File Check” is displayed and the disc starts being checked and, when it is identified as an updater file, the current and update versions are displayed as “xx.xx > xx.xx”, then press the ENTER key to get the update process started.
If the file is named “FLASH.MOT”, the update version is displayed as “xx.xx” (not numerals).
- ⑤ During the update process, sector numbers being written to the FLASH ROM are displayed and, when the process is over, “Complete” is displayed.
- ⑥ After the update has been completed, switch off the power, then switch it back on.

* When the updater file is named “FLASH.MOT”, the current firmware mode is not checked during the “File Check” process. If the file is named “RW900_xxxx.MOT” or “RW901_xxx.MOT”, the two firmware modes are compared and if they are different, the file is identified as an updater file. Normally, we recommend naming the file “RW900_xxxx.MOT” or “RW901_xxx.MOT”.

* Name the file “FLASH.MOT” when performing update to a board (FLASHROM) that differs in firmware mode.

2) DRIVE UP

This updates the drive.

- ① Record in advance the updater file on a disc with a volume label of UPDATE and under a file name of W58xxxx.ABF.
 - ② When “Drv Update?” is displayed, press the ENTER key.
 - ③ “Dist Set” is displayed and the disc tray automatically opens, then insert the prepared disc on the tray and press the OPEN/CLOSE key to close the tray (you can also close the tray with the hand).
 - ④ “File Check” is displayed and the disc starts being checked and, when it is identified as an updater file, the current and update versions are displayed as “xx.xx > xx.xx”, then press the ENTER key to get the update process started.
 - ⑤ During the update process, “Drive Update” is displayed blinking and, when the process is over, “Complete” is displayed.
 - ⑥ After the update has been completed, switch off the power, then switch it back on.
- * Unlike with the system firmware, the drive firmware is prohibited in any case from being updated on firmware whose drive model number differs from that on the updater disc.

- ② 「Sys Update?」と表示されている状態で「ENTER」キーを押す。
- ③ 「Disc Set」を表示しトレイが自動的にオープンするので、準備したディスクをトレイに乗せ「OPEN/CLOSE」キーでトレイを閉める。(手動でトレイを閉めることも可能である。)
- ④ 「File Check」と表示中に挿入されたディスクをチェックし、アップデートファイルと認識すると「xx.xx->xx.xx」と現行バージョン、アップデートバージョン表示するので「ENTER」キーで実行する。
(ファイル名を「FALSH.MOT」にした場合、xx.xx表示となります。)
- ⑤ 実行中はFLASH ROMの書き込みセクタナンバーを表示し「Complete」表示で終了となる。
- ⑥ バージョンアップ後は電源を入れ直して再起動してください。

※ ファイル名を「FLASH.MOT」で記録した場合、「File Check」時にファームウェアモードの確認を行いません。「RW900_xxxx.MOT」／「RW901_xxxx.MOT」で記録した場合、「File Check」時にファームウェアモードの確認を行い、現行のファームウェアモードと異なる場合、「File」とします。通常は、ファームウェアモードの確認を行う、「RW900_xxxx.MOT」／「RW901_xxxx.MOT」でのアップデートを推奨します。

※ ファームウェアモードの異なる基板 (FLASHROM) にアップデートを行う場合、ファイル名を「FLASH.MOT」で記録すればアップデート可能です。

2) 「DRIVE UP」

DRIVEのバージョンアップを実行する。

- ① バージョンアップ元のファイルはボリュームラベル「UPDATE」、ファイル名「W58xxxx.ABF」にして、ディスクに記録しておく。
 - ② 「Drv Update?」と表示されている状態で「ENTER」キーを押す。
 - ③ 「Disc Set」を表示しトレイが自動的にオープンするので、準備したディスクをトレイに乗せ「OPEN/CLOSE」キーでトレイを閉める。(手動でトレイを閉めることも可能である。)
 - ④ 「File Check」と表示中に挿入されたディスクをチェックし、アップデートファイルと認識すると「xx.xx->xx.xx」と現行バージョン、アップデートバージョン表示するので「ENTER」キーで実行する。
 - ⑤ 実行中は「Drive Update」を点滅表示し「Complete」表示で終了となる。
 - ⑥ バージョンアップ後は電源を入れ直して再起動してください。
- ※ DRIVEファームウェアはいかなる場合も、SYSTEMファームウェアと異なり、ドライブ型番が異なるファームウェアでのアップデートを禁止しています。

7. Getting version display mode entered

Hold down the ◀◀ and ESCAPE keys and switch on the power.

When the version display mode is engaged, select options and confirm your selection with the encoder. The following options are provided.

SYS Ver xx.xx : System microcomputer version
DRV Ver xx.xx : Drive microcomputer version

7. バージョン表示モードへの入り方

「◀◀」と「ESCAPE」キーを押したまま電源を入れる。

バージョン表示モードに入った後、エンコーダで項目を選択し、決定する。選択項目は以下の通りである。

「SYS Ver xx.xx」 : Systemマイコンバージョン
「DRV Ver xxxx」 : Drive マイコンバージョン

4. Message Display glossary

メッセージ一覧

Error messages (エラーメッセージ)

| Message | Details / response(意味/対処方法) |
|---------------------|---|
| Can't Rec! | Cannot record. Either erase the contents of the disc (for a CD-RW), or use a different recordable disc. |
| | 録音できません。ディスクの内容を消去するか (CD-RW の場合)、録音可能なディスクに交換してください。 |
| Disc Error! | The disc has malfunctioned. Please replace with a new disc. |
| | ディスクに何らかの問題があります。ディスクを交換してください。 |
| Disc Full! | No recording time remaining, or no recordable track is left on the disc. |
| | 録音用ディスクに録音可能な時間、またはトラックがないため、録音できません。 |
| Text Full! | No space to input the letters. |
| | 文字数が上限に達しました。 |
| Sure? Text! | The text data is not written on the disc yet. Open the tray to cancel the text you entered or perform the finalize operation to write the data to the disc. |
| | TEXT 編集後、ファイナライズせずにトレイをオープンしようとしています。問題なければ再度OPEN/CLOSE キーを押してください。 |
| Drive Error! | There is a problem in the drive. |
| | CD-RW ドライブに問題があります。 |
| D-IN UNLOCK! | The digital input is not connected. Turn on the power of the equipment connected to DIGITAL IN. |
| | DIGITAL IN 端子にデジタル機器が接続されていません (または接続されたデジタル機器の電源がオフになっています)。デジタル機器の接続と電源をお確かめください。 |
| Not Audio! | There is no audio signal from DIGITAL IN. |
| | DIGITAL IN 端子からの入力信号がオーディオ信号ではありません。 |
| Erase Error! | An error occurred while erasing. |
| | 消去中にエラーが発生しました。 |
| Not Fs44.1k! | The sampling frequency of the digital input is not 44.1 kHz. Please turn the SRC on. |
| | デジタル入力のサンプリング周波数が44.1 kHz ではありません。SRC をオンにしてください。 |
| PGM Empty! | There is no program. |
| | プログラムされていません。 |
| PGM Full! | No new programs can be created. |
| | 既に99 曲プログラムされています。 |
| Can't Edit! | Editing cannot be performed due to operational restrictions. |
| | 操作の制限により、編集が実行できません。 |
| Can't sel! | Menu selection cannot be performed due to selection restrictions. |
| | 選択禁止状態のため、メニューなどの選択ができません。 |
| Rec Error! | There was an error during recording. Please re-record. |
| | 録音中にエラーが発生しました。録音をやり直してください。 |
| No DIR! | There is no directory that contains a file. |
| | ファイルが存在するディレクトリがありません。 |
| Decode Err! | The MP3 file cannot be played back. |
| | MP3 ファイルの再生に失敗しました。 |
| Format Err! | The disc is in a format that the CD-RW900 cannot read. |
| | 本機では読み取り不可能な形式です。 |

Messages during operations (動作メッセージ)

| Message | Statement (対処方法) |
|---------------------|---|
| Blank Disc | A blank recordable disc has been inserted. |
| | 何も録音されていないディスクがセットされています。 |
| Complete | An operation such as finalize or erase has been successfully completed. |
| | ファイナライズまたは消去などが完了しました。 |
| Now OPC* | Calibration is being performed to operate recording properly. |
| | 最適な状態で録音するため、使用ディスクの特性に合わせてキャリブレーションを行っています。 |
| Disc Repair | The disc is being repaired, and this operation will take a long time. Please do not turn off the power of the CD-RW900 until it finishes. |
| | 記録中に電源がオフになった等、何らかの理由によりPMAが記録できなかったCD-Rメディアに対し、修復処理をしています。この処理は、記録された内容を全て確認するため非常に時間がかかりますので、途中で電源をオフにしないでください。 |
| PMA Writing* | The recorded content is being written to the disc. |
| | 録音した内容をディスクに記録しています。 |
| TOC reading | The table of contents data is being read. |
| | TOC 情報を読み取り中です。 |

*OPC=Optimum power Control

*PMA=Program memory Area

5. Troubleshooting

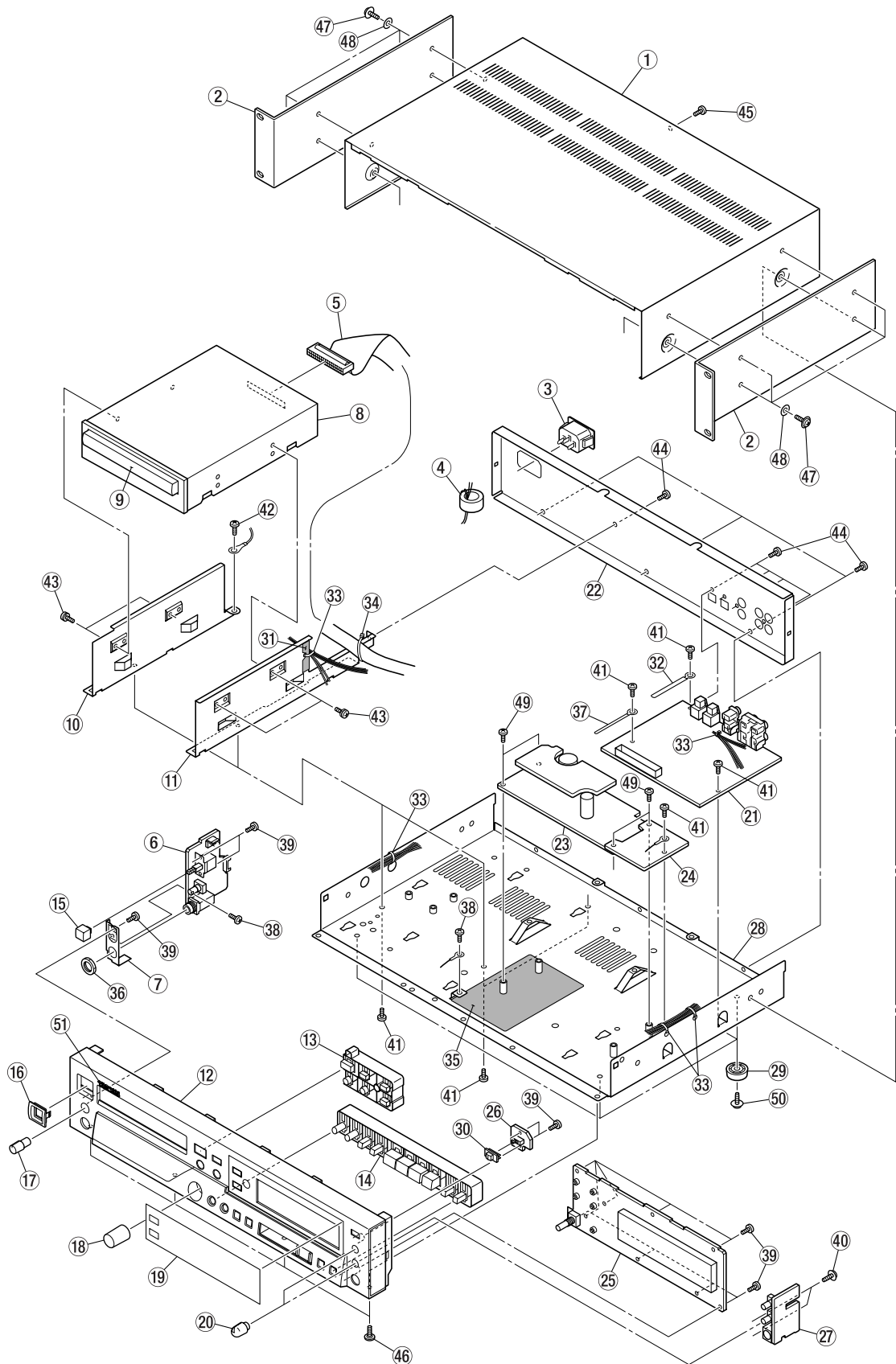
トラブルシューティング

| Symptom | Possible cause and remedy | 症状 | 対処方法 |
|--|--|----------------------|---|
| There is no power to the unit. | Please check the power cord is properly plugged in. | 電源が入らない | 電源プラグがしっかりと差し込まれていますか？ |
| "Disc Error!" is displayed. | The disc may be dirty. Please replace the disc. | "Disc Error!" が表示される | ディスクが汚れていませんか？。ディスクを掃除するか交換してください。 |
| Playback is not possible. | This may be due to condensation. In this case, remove the disc, turn the power on and wait a few hours, then try again. | 再生できない | 結露していませんか？結露している場合はディスクを取り出して、電源をオンにしたまま数時間放置してください。 |
| No sound is output. | <ul style="list-style-type: none"> • Confirm the connections with the audio system. • Check the volume level, and proper amplifier operation. | 音が出ない | モニターシステムとの接続をもう一度確認してください。また、アンプの音量を確認してください。 |
| Recording is not possible. | <ul style="list-style-type: none"> • Confirm the connections with the audio system. • Adjust the recording level. • The disc may be for playback only. Please replace with a recordable disc. | 録音できない | <ul style="list-style-type: none"> • 接続をもう一度確認してください。 • 録音レベルを調節してください。 |
| Noise or static can be heard. | Please re-position the unit away from strong source of magnetism such as a television. | | <ul style="list-style-type: none"> • 再生専用のCD には録音できません。録音用CD と交換してください。 |
| The CD-RW900 does not retain settings. | While settings are retained each time they are made, in some case they will not be retained when the power is turned off too soon. To prevent this from happening, do not turn off the power right after making a setting. | 設定を変えたのに記憶されていない | 本機では、モード設定を変更するたびにバックアップしていません。電源を切るタイミングによってはバックアップに失敗してしまう場合がありますので、変更した直後に電源を切ることはおやめください。 |
| | | 雑音がする | テレビなど強い磁気を帯びたものから十分離して設置してください。 |

7. EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

EXPLODED VIEW-1



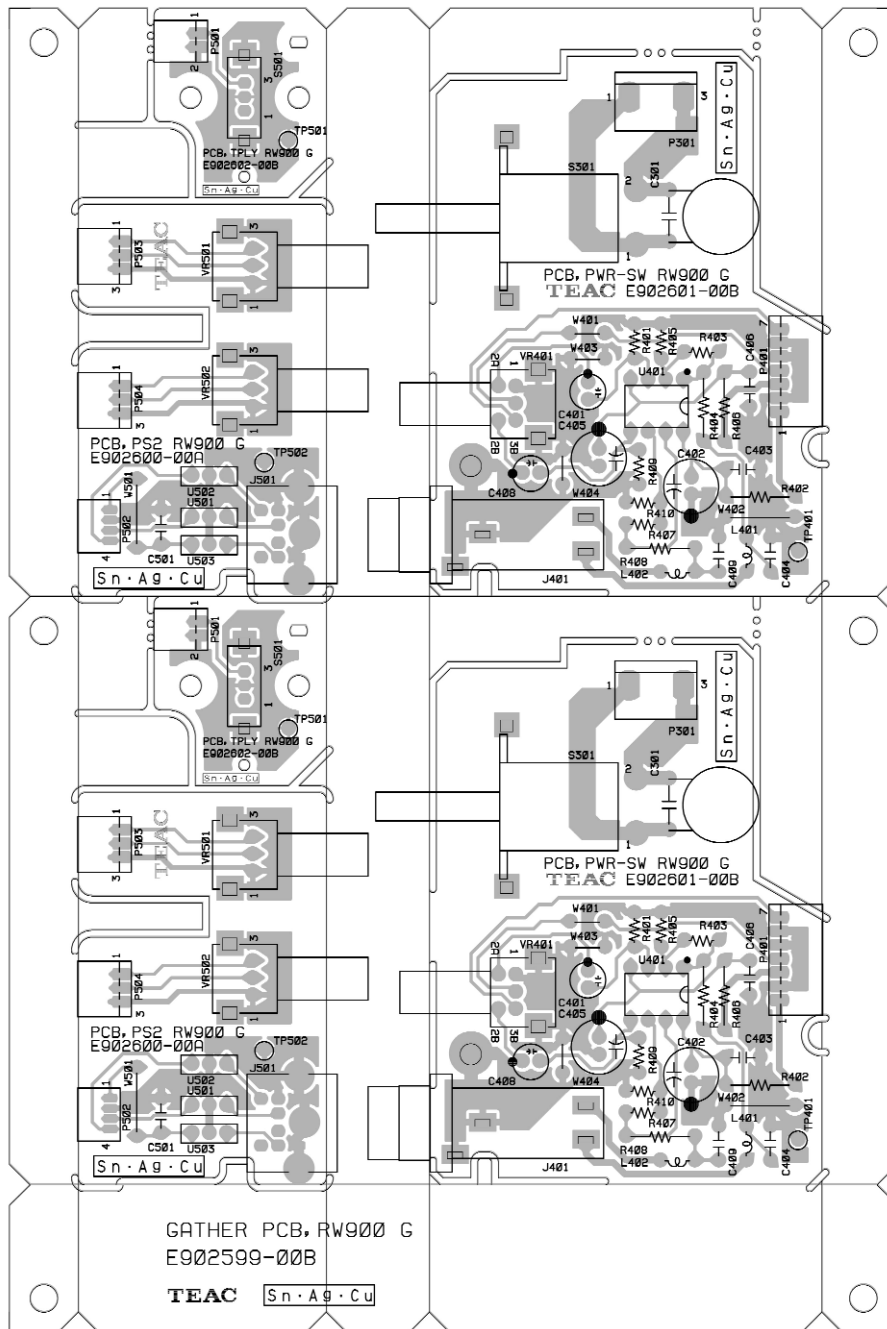
EXPLODED VIEW-1

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---------|------------|-----------------------------|---------|
| 1- 1 | 3M0058120C | BONNET RW800B G | |
| 1- 2 | 3M0073200E | RACK MOUNT ANGLE, RM5 G | |
| 1- 3 | Y00302400A | AC, INLET ASSY 900 | |
| 1- 4 | 3E010000 | FER. CORE B18T 25X12X15 G | |
| 1- 5 | E00942500B | HARNESS ASSY, 80P 1DE G | |
| 1- 6 | E95260100A | PCB ASSY, PWRSW RW900 | |
| 1- 7 | M02259800B | BRACKET, GND(L) 900 G | |
| 1- 8 | M02325000B | DRIVE ASSY, CDRW58DBT00 | |
| | V00141900A | SV DRIVE. CD-W58DBT00 G | |
| | D00908100B | SOFTWARE SPEC, AV W58DBT00 | |
| 1- 9 | M02038120B | PANEL, TRAY 900 G | |
| 1- 10 | M01890000E | BRACKET, DRIVE(L) MCD1 G | |
| 1- 11 | M01890100B | BRACKET, DRIVE(R) MCD1 G | |
| 1- 12 | M02259400E | FRONT PANEL, (VO) 900 G | |
| 1- 13 | M02259600B | BUTTON, OPCLS 900 G | |
| 1- 14 | M02259700B | BUTTON, OPE 900 G | |
| 1- 15 | M01335100A | BUTTON, POWER CDRW402 G | |
| 1- 16 | M01334900A | ESCUTCHEON, POWER CDRW402 G | |
| 1- 17 | M01891300B | KNOB, VOLUME MCD1 G | |
| 1- 18 | 3M0089830A | KNOB D15 JOG N66 RW2K G | |
| 1- 19 | M02259500B | WINDOW, FL 900 G | |
| 1- 20 | M01898806A | KNOB, TRIM N61/N66 G | |
| 1- 21 | E95246000A | PCB ASSY, SYS RW900 | |
| 1- 22 | M02237402A | REAR PANEL, 900 G | |
| 1- 23 | E00989200B | SW RGLTD PS, E00011 UL | |
| 1- 24 | E95259800A | PCB ASSY, REG CDR632 | |
| 1- 25 | E95260400A | PCB ASSY, FRONT RW900 | |
| 1- 26 | E95260200A | PCB ASSY, TPLY RW900 | |
| 1- 27 | E95260000A | PCB ASSY, PS2 RW900 | |
| 1- 28 | 3M0057940A | CHASSIS, MAIN 632 G | |
| 1- 29 | 3M001950 | FOOT, 21MM G | |
| 1- 30 | M01891400A | KNOB, SLIDE WIDE G | |
| 1- 31 | M02321300A | SHEET, HIMELON 900 G | |
| 1- 32 | 3M0102200A | WIRE CLAMP WL450T G | |
| 1- 33 | 3M000870 | CABL BAND, 100MM DS8432G | |
| 1- 34 | 3M024110 | CABLE BAND, 160MM G | |
| 1- 35 | M02295100A | SHEET, BARRIER SWPWR G | |
| 1- 36 | 3M0131000A | NUT, M12X2.3 G | |
| 1- 37 | 3M0182200A | HARNESS CLIP 4.2*7.5*70G | |
| 1- 38 | B00199405A | SCREW, BPB 3*5 FZC G | |
| 1- 39 | B00199008A | SCREW, BPP 3*8 FZC G | |
| 1- 40 | B00208908A | SCREW, PPU 3*8 FZB G | |
| 1- 41 | B00199708A | SCREW, BPB 3*8 FZB G | |
| 1- 42 | B00199508A | SCREW, BPB 4*8 FZC G | |
| 1- 43 | B00207806A | SCREW, BPAA 3*6 FZC G | |
| 1- 44 | B00199708A | SCREW, BPB 3*8 FZB G | |
| 1- 45 | B00170608A | SCREW, VPCR 3*8 FZB G | |
| 1- 46 | B00117800A | SCREW DPB M3*8 FZC | |
| 1- 47 | B00197612A | SCREW, PPSU 3*12 FZB G | |
| 1- 48 | 3M002020 | FIBER WSHR, 3X8X0.3T BLK | |
| 1- 49 | B00174006A | SCREW, BPA 3*6 FZC G | |
| 1- 50 | B00197806A | SCREW, PPSU 3*6 FZC G | |
| 1- 51 | 3M0134900A | BADGE TASCAM SILVER G | |

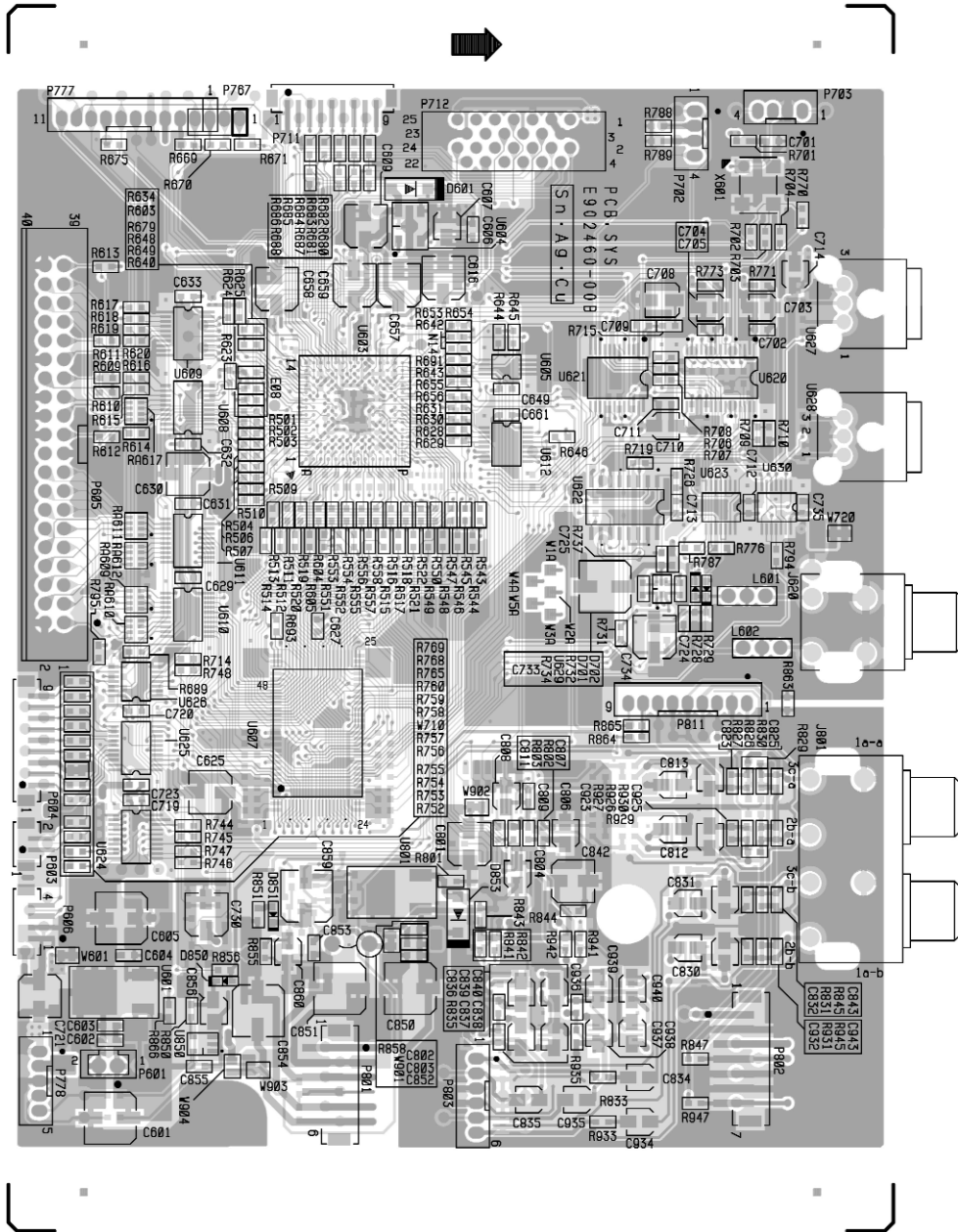
8. PC BOARDS AND PARTS LIST

基板図とパーツリスト

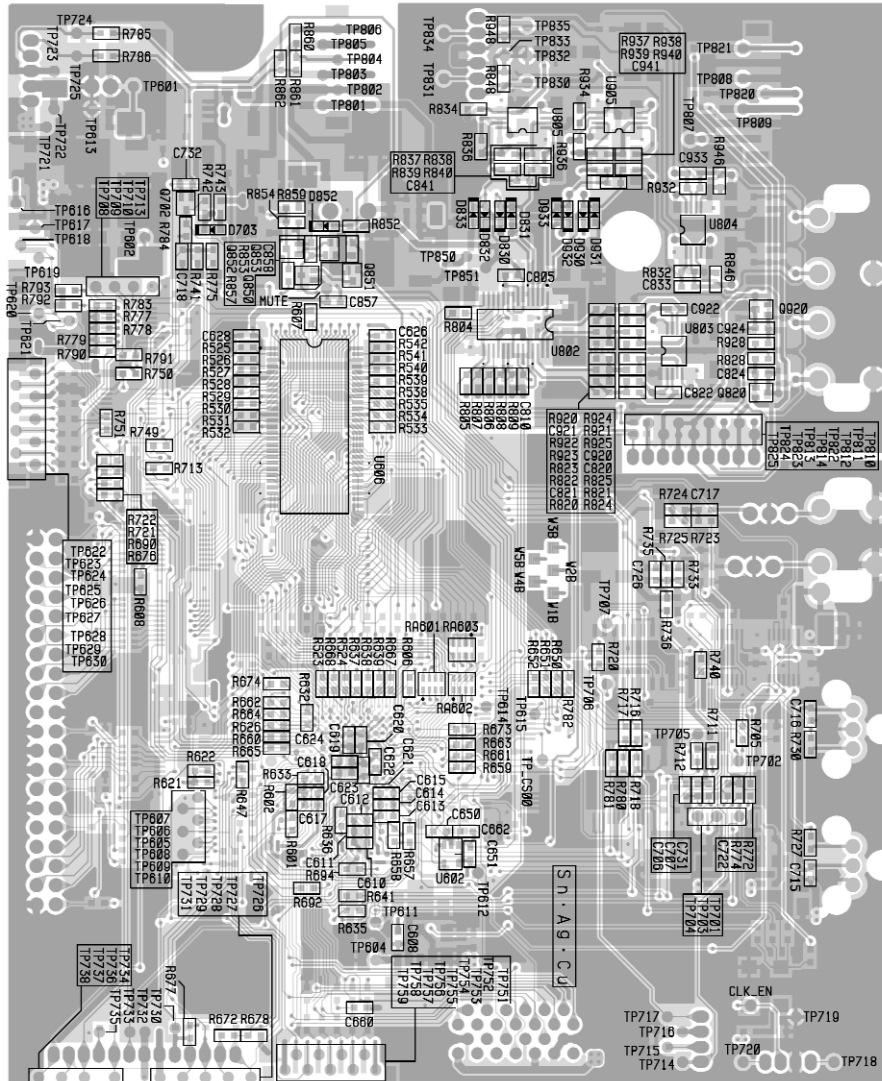
GATHER PCB ASSY (RW900)



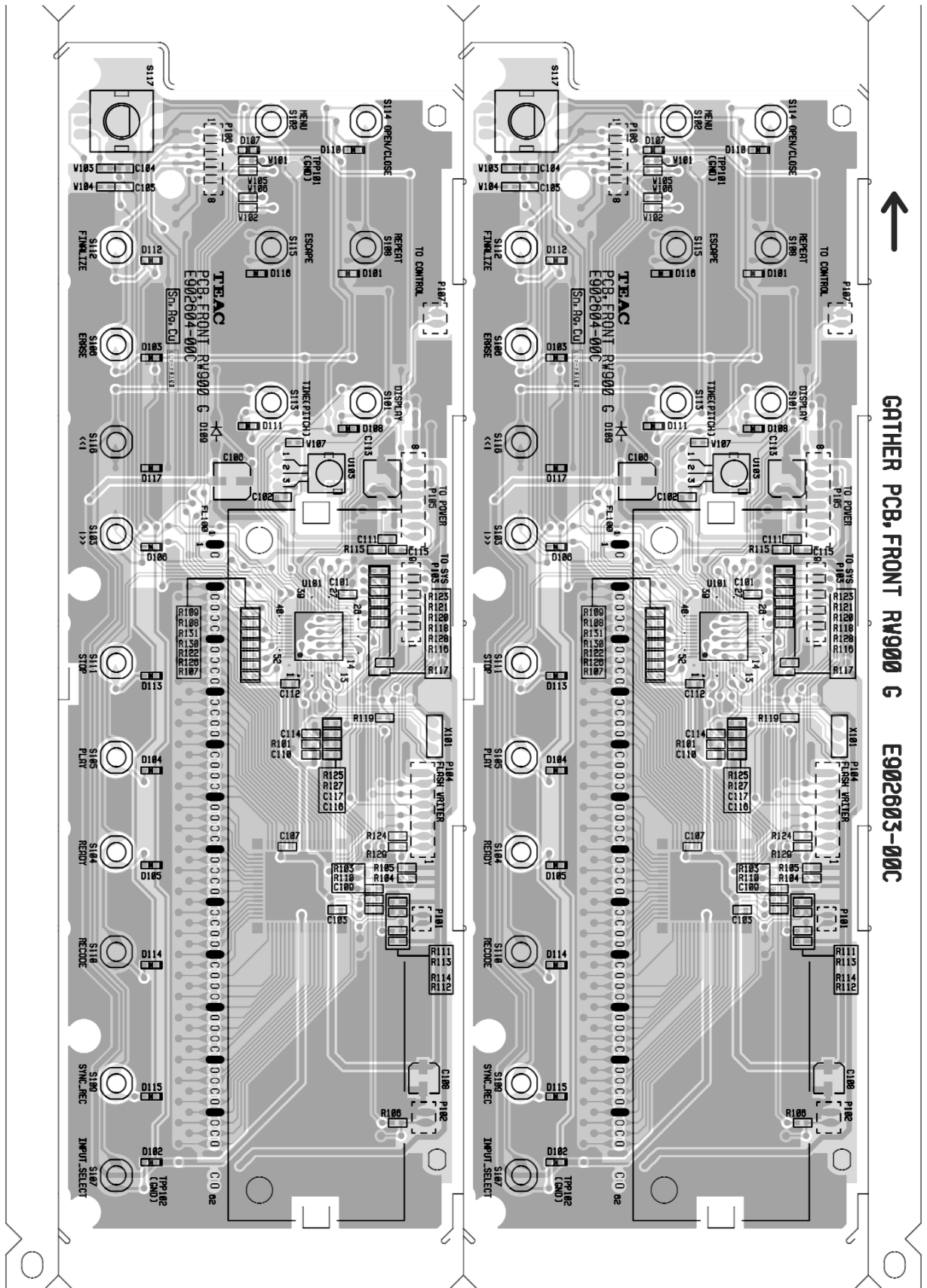
SYS PCB ASSY (RW900) (SIDE A)



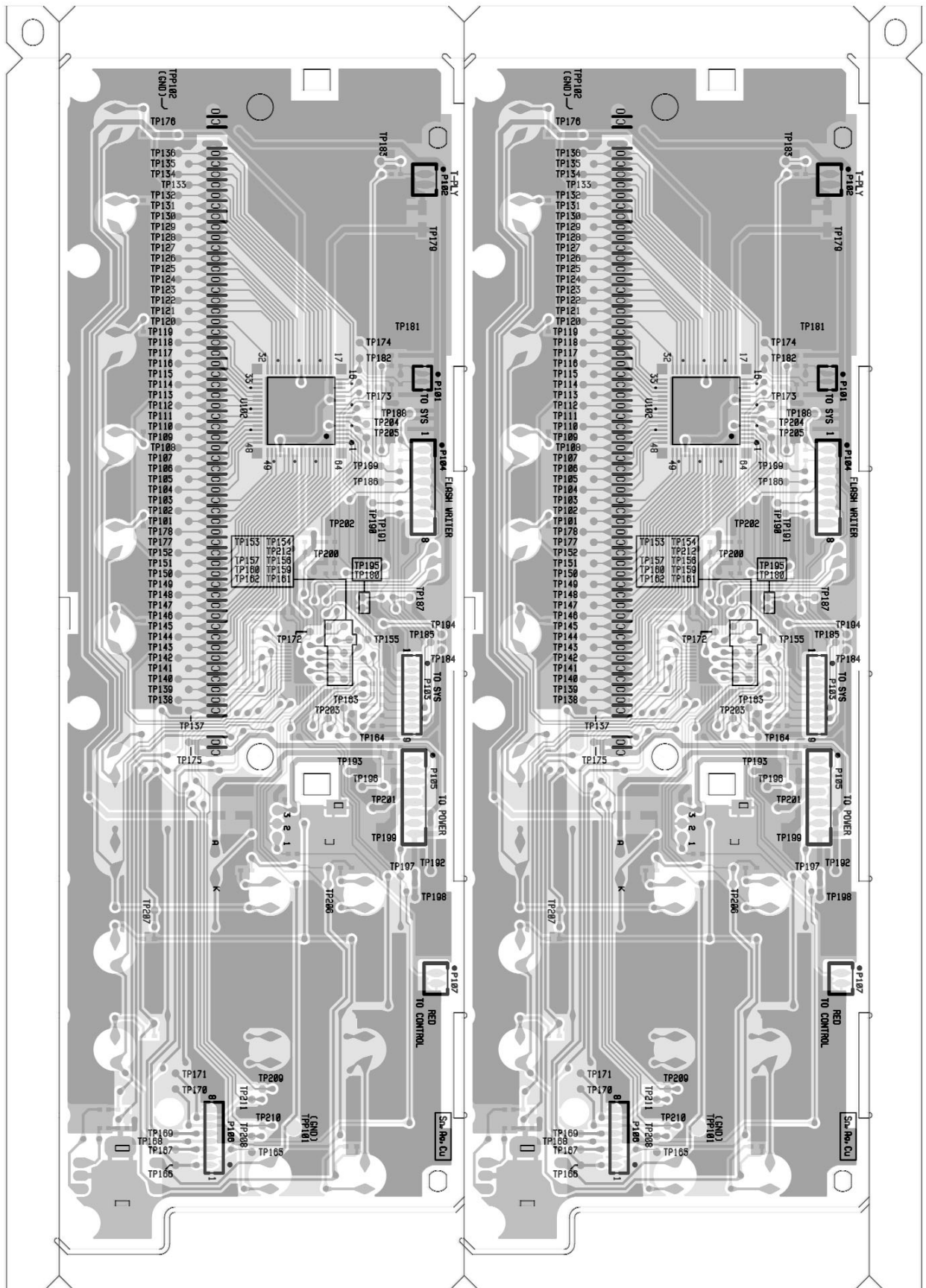
SYS PCB ASSY (RW900) (SIDE B)



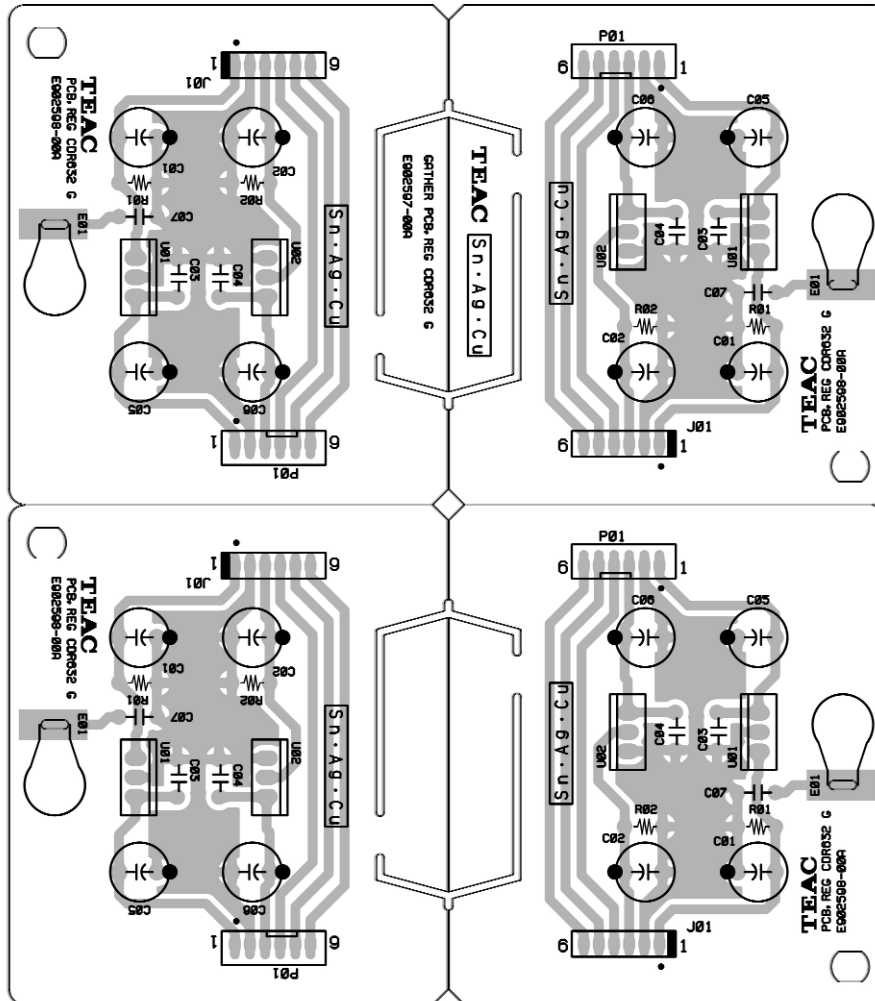
GATHER PCB, FRONT ASSY (RW900) (SIDE A)



GATHER PCB, FRONT ASSY (RW900) (SIDE B)



GATHER PCB, REG ASSY (CDR632)



GATHER PCB ASSY (RW900)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| | E95259900A | GATHER PCBA,RW900 |
| | | PCB ASSY,PS2 RW900 |
| J501 | 3E038220 | CONNECT,DIN 1201065M G |
| P502 | 3E036460G | CONNECTOR,S 4BZR(LF) G |
| P503 | 3E001290G | CONNE PLUG S3BPHKS(LF)G |
| P504 | 3E005950G | CONNEC PLU S3BPHK RE(LF)G |
| TP502 | E01139800A | HARN ASSY,RUG1 CDR632 G |
| U501 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| U502 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| U503 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| VR501 | 3R005570 | VAR RES,RK09K11110KA G |
| VR502 | 3R005570 | VAR RES,RK09K11110KA G |
| | | PCB ASSY,PWRSW RW900 |
| C301 | 3E004300 | S.KILLER,CS12F2GA472MY G |
| C301 | M0203540 | COVER 85104023 |
| J401 | 3E039430 | JACK,065M WITH EARTH G |
| L401 | 3E011800 | COIL,1.0 UH K G |
| L402 | 3E011800 | COIL,1.0 UH K G |
| P301 | 3E025820G | CONNECT,B2P3VH 2P(LF) G |
| P401 | 3E001330G | CONNE PLUG S7BPHKS(LF)G |
| S301 | 3E037220 | SW,SDKLA11000 G |
| U401 | 3S001700G | IC,NJM4580D#ZZZB G |
| VR401 | 3R005560 | VAR RES,RK09K12A20KA G |
| | | PCB ASSY,TPLY RW900 |
| P501 | 3E001280G | CONNE PLUG S2BPHKS(LF)G |
| S501 | 3E007380 | SW,SLIDE SSSS9 12 G |

SYSTEM PCB ASSY (RW900)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| | E95246000A | PCB ASSY,SYS RW900 |
| | | PCB ASSY,SYS RW900 |
| D701 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D702 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D703 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D830 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D831 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D832 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D833 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D850 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D851 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D930 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D931 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D932 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D933 | 3S002984 | DIODE,1SS355 TE17 TP G |
| J620 | 3E017600 | JACK,RJ1060A310341A G |
| J801 | 3E010590 | JACK,RJ1073B090320A G |
| L601 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| L602 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| P601 | 3E001140G | CONNE PLUG2P B2BEHA(LF)G |
| P603 | E0102314 | CONNECTOR,B 2BZRS4(LF) |

SYSTEM PCB ASSY (RW900)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|----------------------------|
| P604 | 3E008130G | CONNEC,B9BZRS4TF(LF) G |
| P605 | 3E015110 | CONNECT,40P 3675P40VUUAO G |
| P606 | 3E037134G | CONNEC,B4BZRS4TF(LF)G |
| P801 | 3E007880G | CONNEC,B6BPHSM4TB(LF)G |
| P802 | 3E007890G | CONNEC,B7BPHSM4TB(LF)G |
| P803 | 3E003850G | CONNE,PLU B6BPH RED(LF)G |
| Q702 | 3S002994 | TR,DTC124EUA T106 TP G |
| Q820 | 3S032504G | TR,2SC4213B(TE85L,F) G |
| Q850 | 3S002994 | TR,DTC124EUA T106 TP G |
| Q851 | 3S002994 | TR,DTC124EUA T106 TP G |
| Q852 | S0041574 | TRANSISTER,DTA124EUA G |
| Q853 | 3S002994 | TR,DTC124EUA T106 TP G |
| Q920 | 3S032504G | TR,2SC4213B(TE85L,F) G |
| RA601 | 3R010174 | R,ARRAY 470HM*4 0603 G |
| RA602 | 3R010174 | R,ARRAY 470HM*4 0603 G |
| RA603 | 3R010184 | R,ARRAY 4.7KOHM*4 0603 G |
| RA609 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA610 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA611 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA612 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA617 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| U601 | 3S002974 | ICBA03FPE2SMT,TAPING G |
| U602 | 3S035724 | IC,BD46285G G |
| U603 | S0060143 | IC,SCF5249VM140 |
| U604 | 3S035714G | IC,PQ1M185M2SPH G |
| U605 | 3S006424 | IC,BR24C04FVWE2 G |
| U606 | 3S009444G | IC,M12L64164A7T G |
| U607 | S00606900C | IC,ROM ASSY SYS RW900 |
| U607 | S0059093 | IC,S29AL008D70TFI020 G |
| U607 | D00892400C | SOFTWARE SPEC,SYS RW900 |
| U608 | 3S032454G | IC,SN74LV541APWR G |
| U609 | 3S032454G | IC,SN74LV541APWR G |
| U610 | S0046814G | IC,SN74LV245APWR G |
| U611 | S0046814G | IC,SN74LV245APWR G |
| U612 | 3S032474G | IC,SN74LV138APWR G |
| U620 | 3S037044 | IC,AK4113VF G |
| U621 | 3S037054 | IC,AK4121VF G |
| U622 | 3S035014G | IC,SN74LV157ANSNG |
| U623 | 3S032494G | IC,SN74LV04APWR G |
| U624 | 3S032454G | IC,SN74LV541APWR G |
| U625 | S0037164 | IC,TC74VHCT541AFT(EL) G |
| U626 | 3S035094G | IC,SN74LV125APWR G |
| U627 | 3S035390G | IC,GP1FA513TZOF G |
| U628 | 3S035750G | IC,GP1FA513RZOF G |
| U629 | 3S033744G | IC,SN74LVLC2GU04DCKR G |
| U630 | 3S008994G | IC,SN74LV00APWR G |
| U801 | 3S005464 | IC,BA05FPE2 G |
| U802 | 3S007394G | IC,AK4528VF G |
| U803 | 3S004894G | IC NJM4580VTE2#ZZZB G |
| U804 | 3S004894G | IC NJM4580VTE2#ZZZB G |
| U805 | 3S004894G | IC NJM4580VTE2#ZZZB G |
| U850 | 3S035724 | IC,BD46285G G |
| U905 | 3S004894G | IC NJM4580VTE2#ZZZB G |
| X601 | 3E038164 | X`TAL MIN35AT22.5792MHZ |

GATHER PCB, FRONT ASSY (RW900)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| | E95260300A | GATHER PCBA,FRONT RW900 |
| | | PCB ASSY,FRONT RW900 |
| D101 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D102 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D103 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D104 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D105 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D106 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D107 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D108 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D109 | 3S001891 | ZDI, MTZJ6.2B T77 G |
| D110 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D111 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D112 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D113 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D114 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D115 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D116 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D117 | 3S002984 | DIODE,1SS355 TE17 TP G |
| FL100 | E00941400B | ELCTRN DSPL,HNA16MM51T G |
| P101 | 3E007950G | CONNECTOR ,B 2BZR(LF) G |
| P102 | 3E010340G | CONNEC PLUG B2BPHKS(LF)G |
| P103 | 3E008020G | CONNECTOR ,B 9BZR(LF) G |
| P104 | 3E003870G | CONNEC,PLU B8BPH RED(LF)G |
| P105 | 3E010400G | CONNEC PLUG B8BPHKS(LF)G |
| S101 | 3E018680 | SW,TACT SKQNAE D010 G |
| S102 | 3E018680 | SW,TACT SKQNAE D010 G |
| S103 | 3E018680 | SW,TACT SKQNAE D010 G |
| S104 | 3E018680 | SW,TACT SKQNAE D010 G |
| S105 | 3E018680 | SW,TACT SKQNAE D010 G |
| S106 | 3E018680 | SW,TACT SKQNAE D010 G |
| S107 | 3E018680 | SW,TACT SKQNAE D010 G |
| S108 | 3E018680 | SW,TACT SKQNAE D010 G |
| S109 | 3E018680 | SW,TACT SKQNAE D010 G |
| S110 | 3E018680 | SW,TACT SKQNAE D010 G |
| S111 | 3E018680 | SW,TACT SKQNAE D010 G |
| S112 | 3E018680 | SW,TACT SKQNAE D010 G |
| S113 | 3E018680 | SW,TACT SKQNAE D010 G |
| S114 | 3E018680 | SW,TACT SKQNAE D010 G |
| S115 | 3E018680 | SW,TACT SKQNAE D010 G |
| S116 | 3E018680 | SW,TACT SKQNAE D010 G |
| S117 | 3E007320 | SW,ENCODER EC11B15244 G |
| TPP101 | E01139900A | HARN ASSY,RUG2 CDR632 G |
| TPP102 | E01139800A | HARN ASSY,RUG1 CDR632 G |
| U101 | S00609200A | IC,MPU ASSY RW900 |
| U101 | 3S037603 | IC,UPD78F0123HGB8ETA G |
| U101 | D00891700A | SOFT WARE SPEC,FL RW900 |
| U102 | 3S037023 | IC,M660050001AHP G |
| U103 | 3S009610 | REMOCON,SENSO RPM7138H4 G |
| X101 | 3E011740G | RESONATOR,CSTLS10M0G53A0G |
| | M01270300A | CUSHION,UP 8X8X11 G |
| | M01891700A | HOLDER,FL MCD1 G |

GATHER PCB, REG ASSY (CDR632)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|-----------------------------------|
| | E95259700A | GATHER PCBA,REG CDR632 |
| | | PCB ASSY,REG CDR632 |
| E01 | 3E0215200A | EARTH PLATE B GND8 G |
| J01 | E01123700A | HARN ASSY,PWREG CDR632 G |
| P01 | 3E010380G | CONNEC PLUG B6BPHKS(LF)G |
| U01 | 3S002180G | IC,NJM7808FA#ZZZSB G |
| U02 | 3S002360G | IC, NJM7908FA#ZZZB G |
| | | PWR SPLY SECT,900 |
| | E00646800B | SW RGLTD PS,E00004 EUR [E,A,UK,K] |
| | E00989200B | SW RGLTD PS,E00011 UL [J.US/C] |
| | | WIRE SECT,900 |
| | E01122900A | HARN ASSY,ATAPW RW900 G |
| | E01100700A | HARN ASSY,ANAPW CDR632 G |
| | E01100800A | HARN ASSY,PWR5V CDR632 G |
| | E01123000A | HARN ASSY,FLPWR RW900 G |
| | E01123100A | HARN ASSY,KEY RW900 G |
| | E01123200A | HARN ASSY,PS2 RW900 G |
| | E01123300A | HARN ASSY,KBBDT RW900 G |
| | E01123400A | HARN ASSY,TPLY RW900 G |
| | E01123500A | HARN ASSY,INVOL RW900 G |
| | E01123600A | HARN ASSY,PHONE RW900 G |
| | E00942500B | HARN ASSY,80P 1DE G |

9. INCLUDED ACCESSORIES

付属品

INCLUDED ACCESSORIES (CD-RW900)

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---------|------------|---------------------------------|---------|
| | D00892601A | OWNERS MNL,(J) 900 G [J] | |
| | D00892620A | OWNERS MNL,(E) 900 G [EXCEPT J] | |
| | D00892680A | OWNERS MNL,(G) 900 G [E] | |
| | D00892681A | OWNERS MNL,(F) 900 G [E] | |
| | D00892682A | OWNERS MNL,(I) 900 G [E] | |
| | D00892683A | OWNERS MNL,(S) 900 G [E] | |
| | 3M0028300A | ASSY,RACK MOUNT SCREW KIT | |
| | 3B0005812A | SCREW,BPA M5X12 (NI) | |
| | 3M0028100A | WASHERFIBER(BLK) | |
| | 3E014140 | POWER CORD,DMG [J] | |
| | 3E014150 | POWER CORD,ULG [US/C] | |
| | 3E014160 | POWER CORD,EURG [E.K] | |
| | 3E014170 | POWER CORD,UK [UK] | |
| | 3E014180 | POWER CORD,AUS [A] | |
| | E01123800A | RMT CONT,UNIT RC900 G | |
| | 3E002220 | BATTERY,UM4(ENGLISH) G | |

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- △ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.
[J]: JAPAN [US/C]: U.S.A./CANADA [K]: KOREA [E]: EUROPE
[UK]: U.K. [A]: AUSTRALIA

注意

- プリント基板図は部品面を示しています。
- *印の部品は納期が若干かかります。
あらかじめご了承ください。
- 分解図に部番のない部品および品番のない部品は供給できません。
- 標準の抵抗、コンデンサーは省略してあります。
回路図を参照してください。
- △印は安全重要部品です。
交換する時は必ず指定の部品を使用してください。
- 仕向先
[J]: JAPAN [US/C]: U.S.A./CANADA [K]: KOREA [E]: EUROPE
[UK]: U.K. [A]: AUSTRALIA

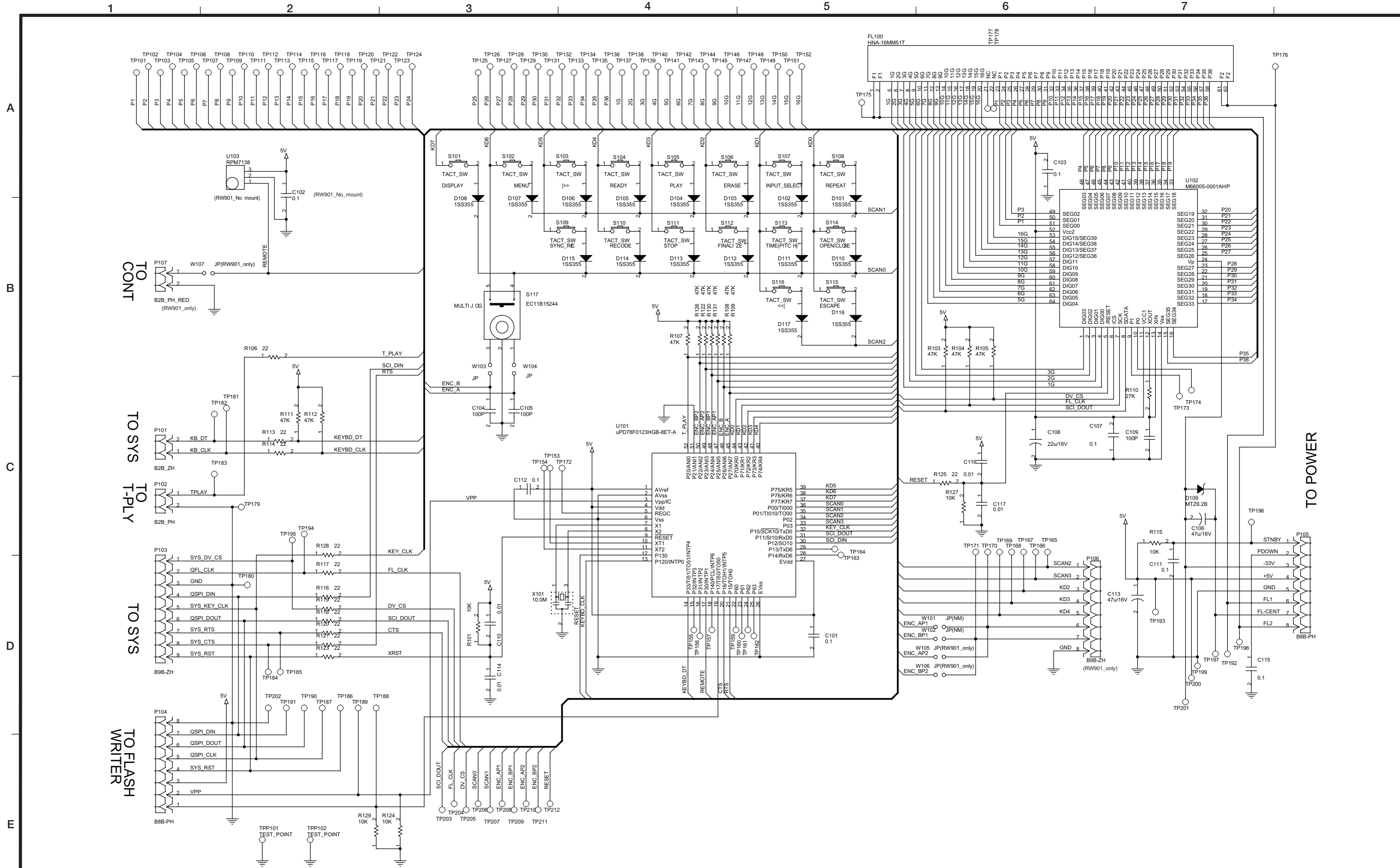
CONTENTS 目次

CD-RW900SL

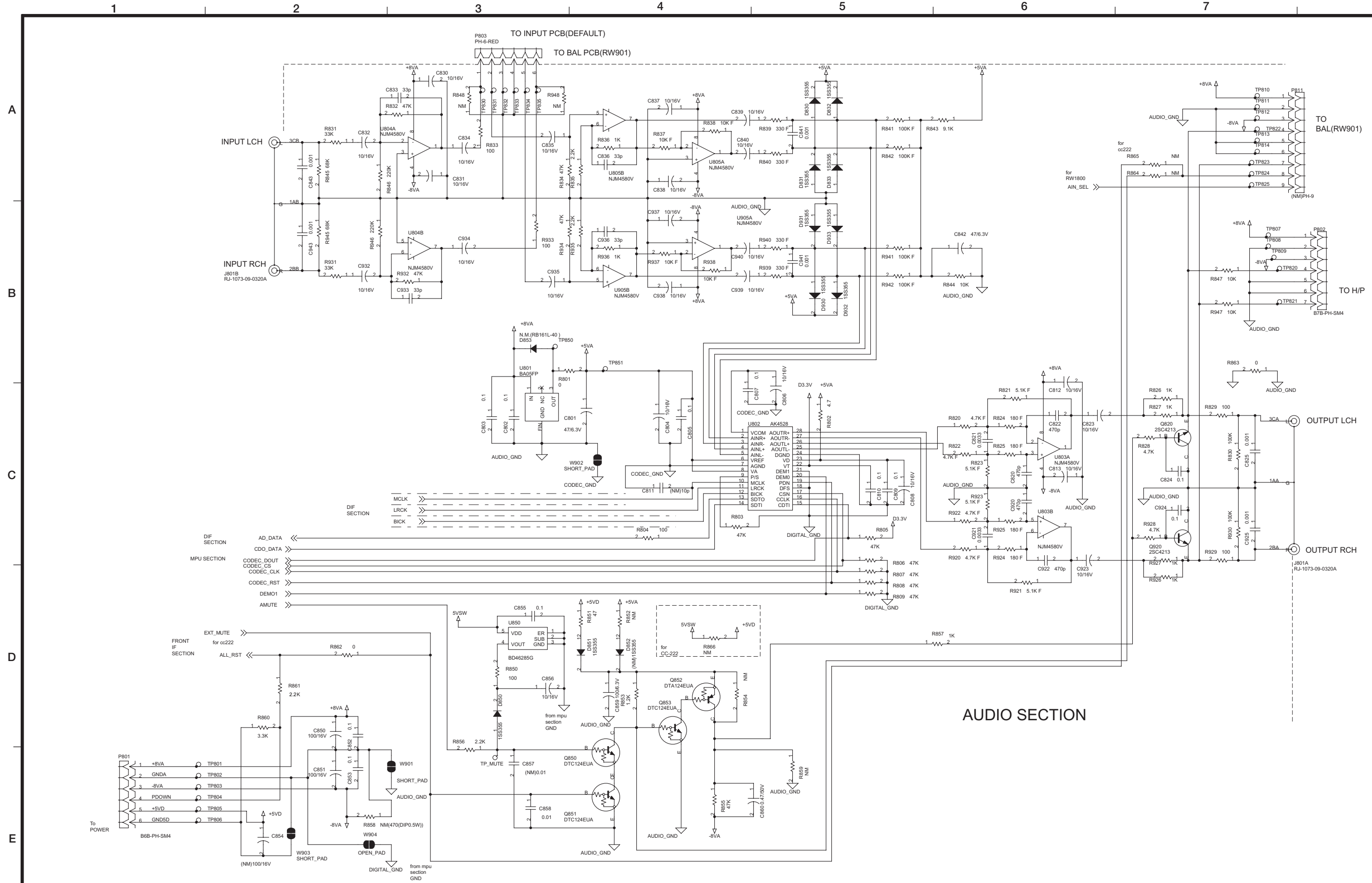
| | |
|-----------|---|
| FRONT | 2 |
| SYS (1/3) | 3 |
| SYS (2/3) | 4 |
| SYS (3/3) | 5 |
| GATHER | 6 |
| REG | 7 |
| SLIM | 8 |

CD-RW901SL

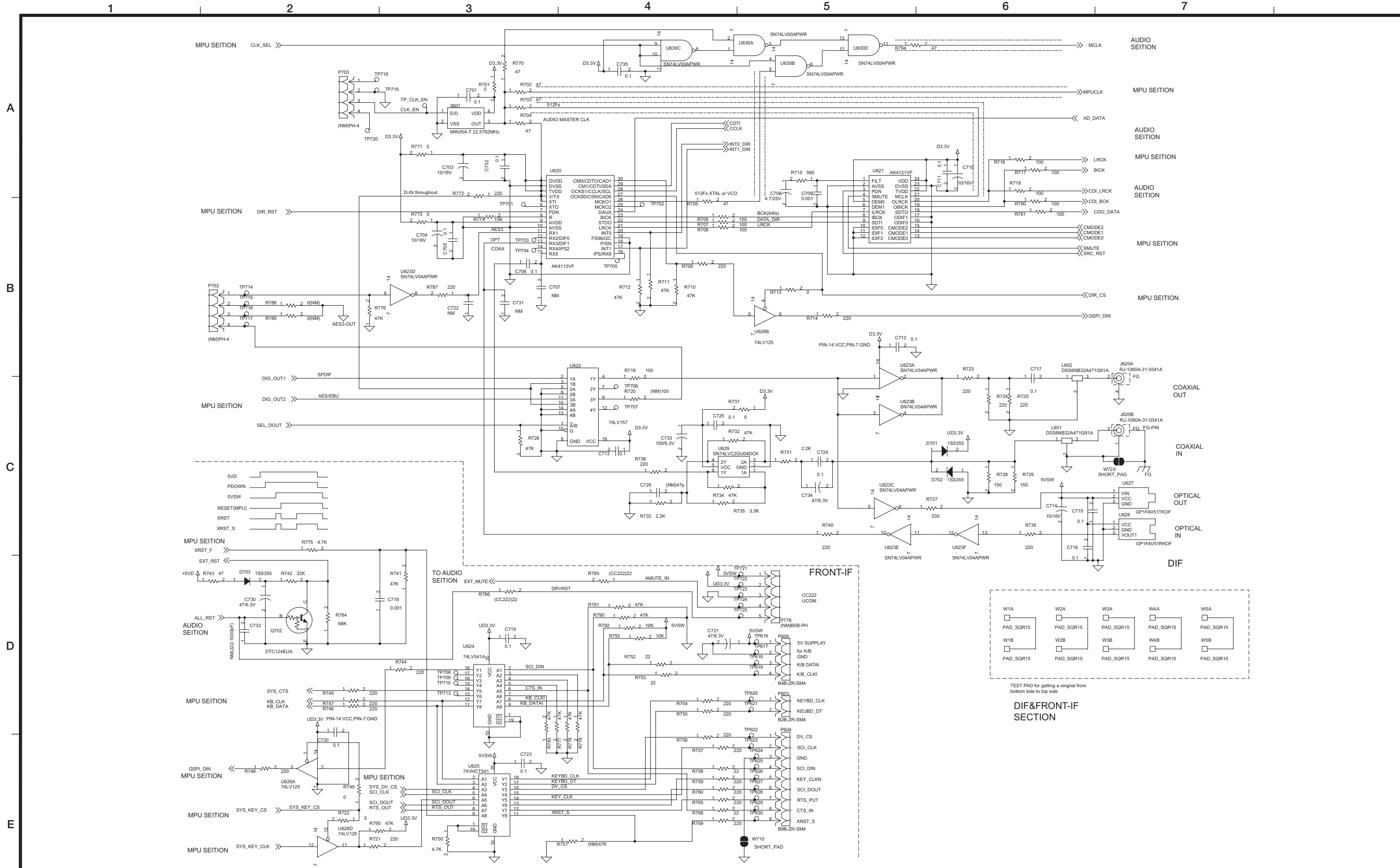
| | |
|-------------------|----|
| FRONT | 9 |
| SYS (1/3) | 10 |
| SYS (2/3) | 11 |
| SYS (3/3) | 12 |
| GATHER | 13 |
| REG | 14 |
| GATHER REAR (1/3) | 15 |
| GATHER REAR (2/3) | 16 |
| GATHER REAR (3/3) | 17 |
| SLIM | 18 |
| Wiring | 19 |



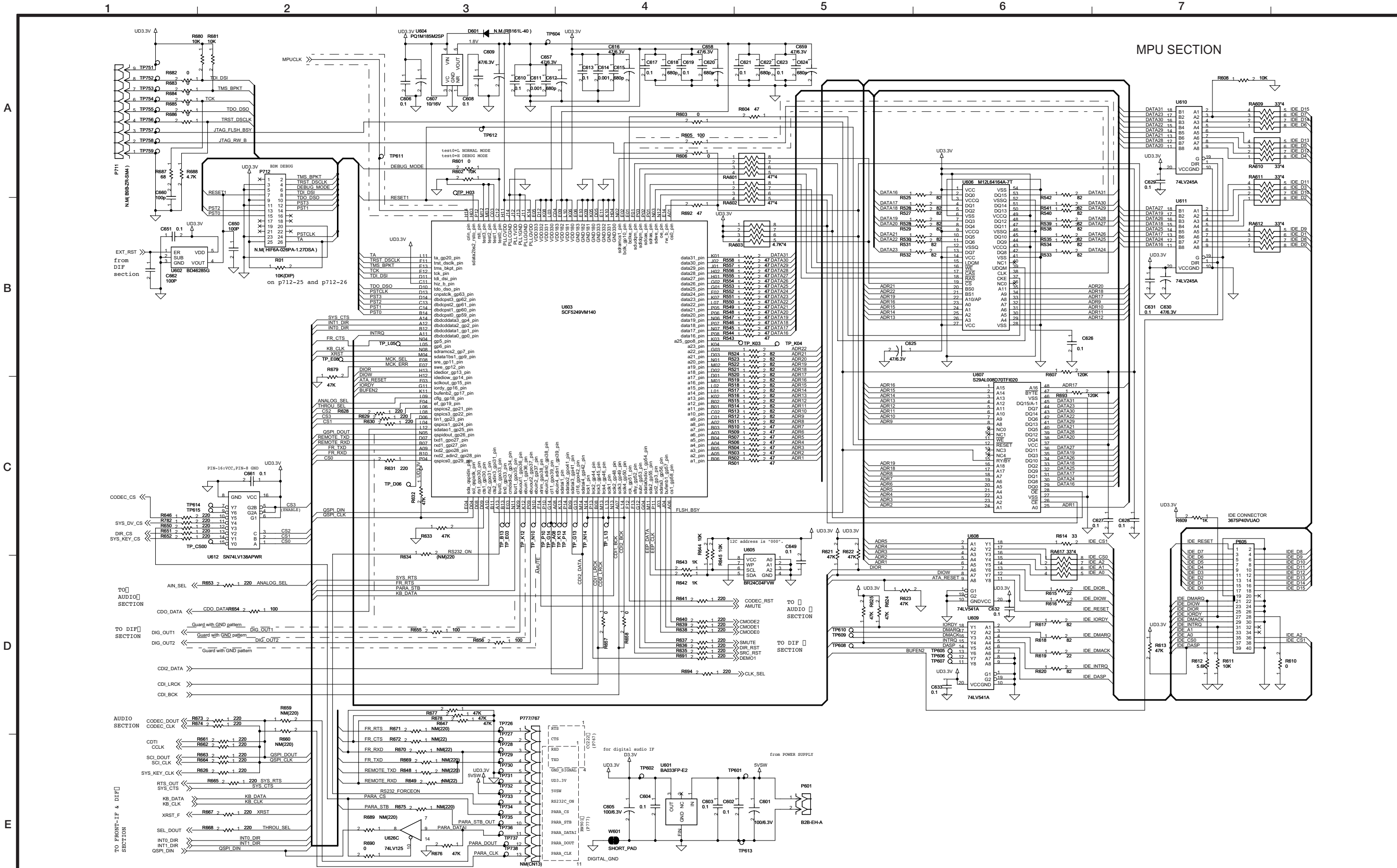
CD Rewritable Recorder CD-RW900SL/CD-RW901SL



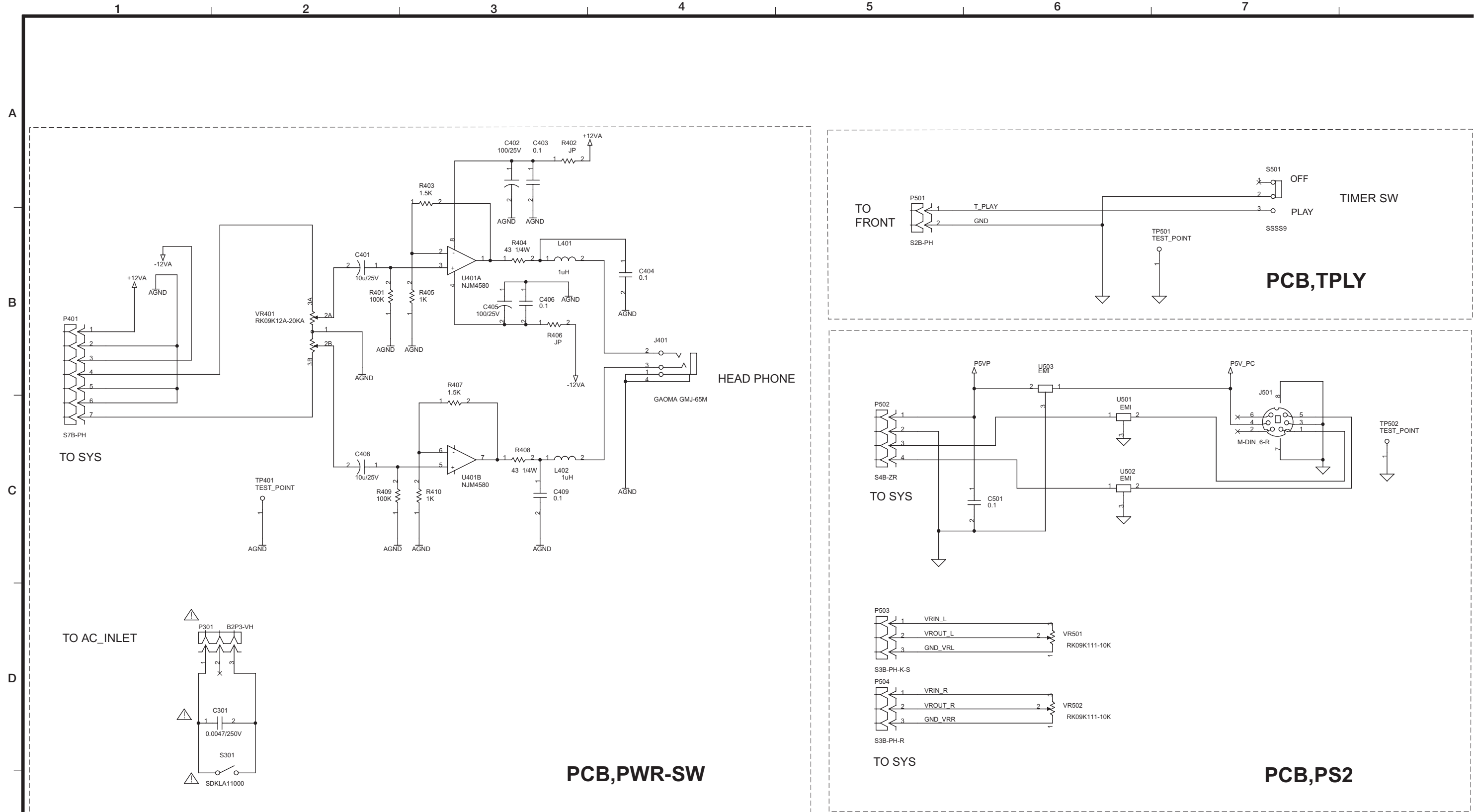
CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**



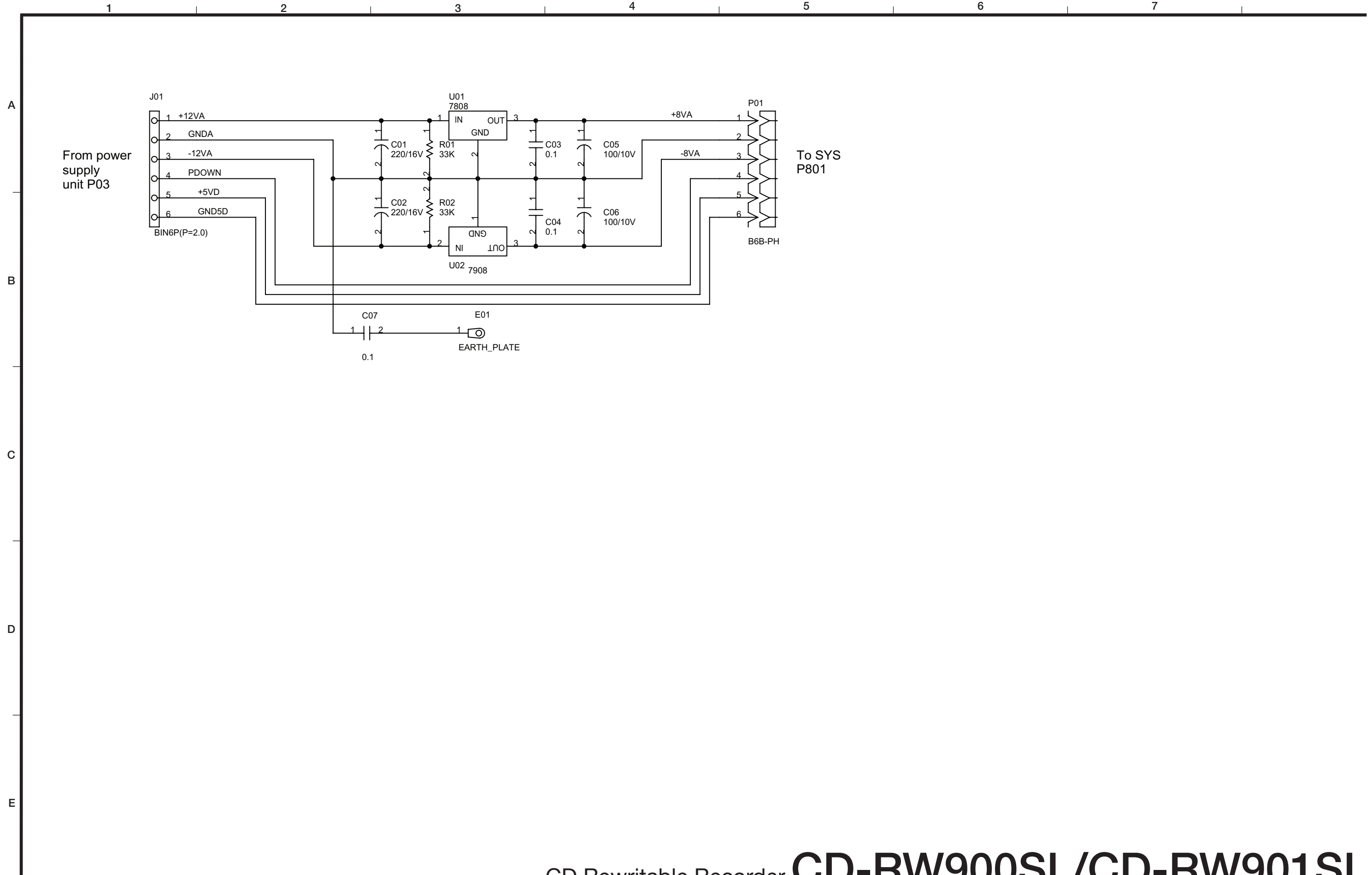
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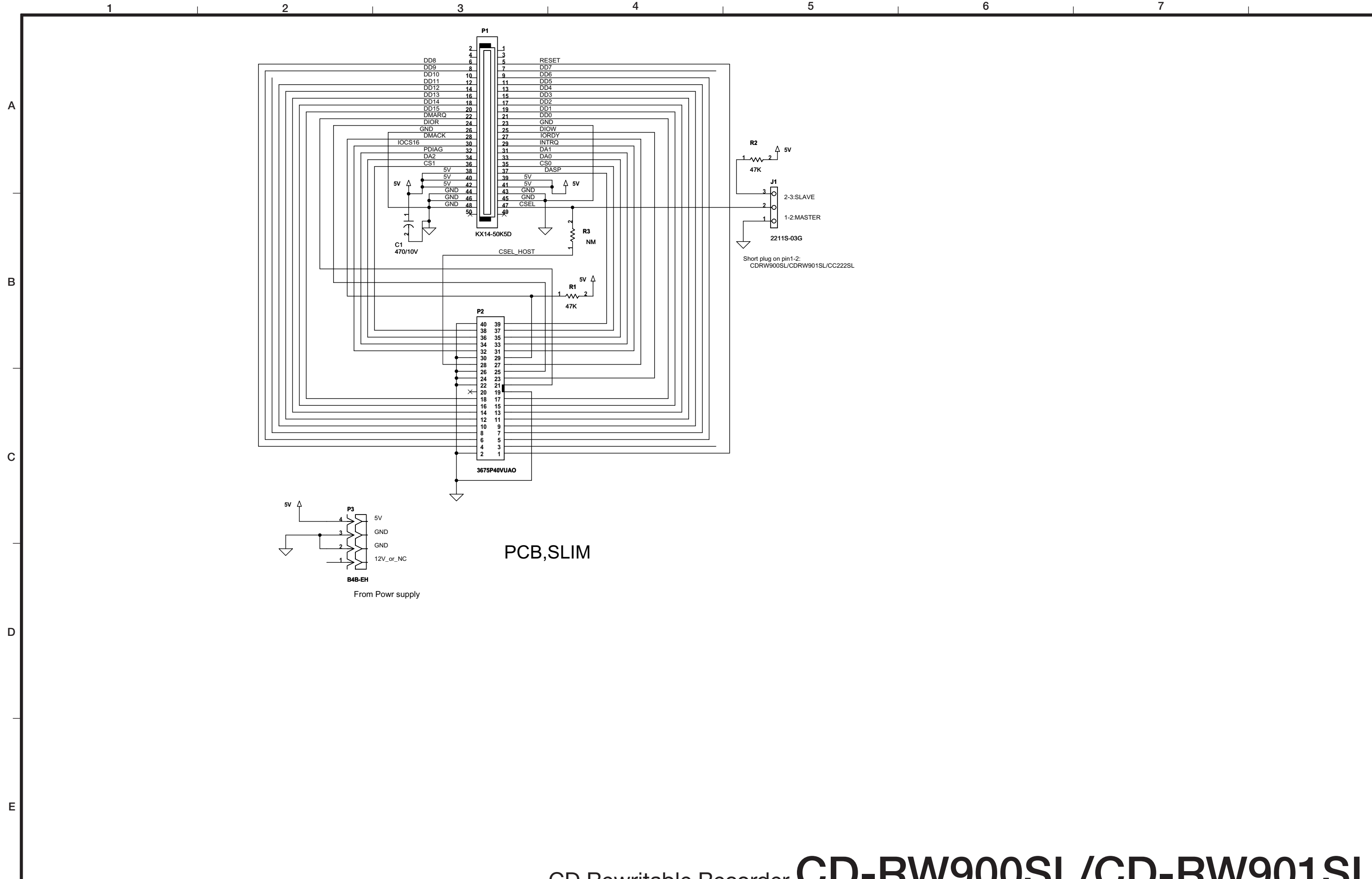
CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**



CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**

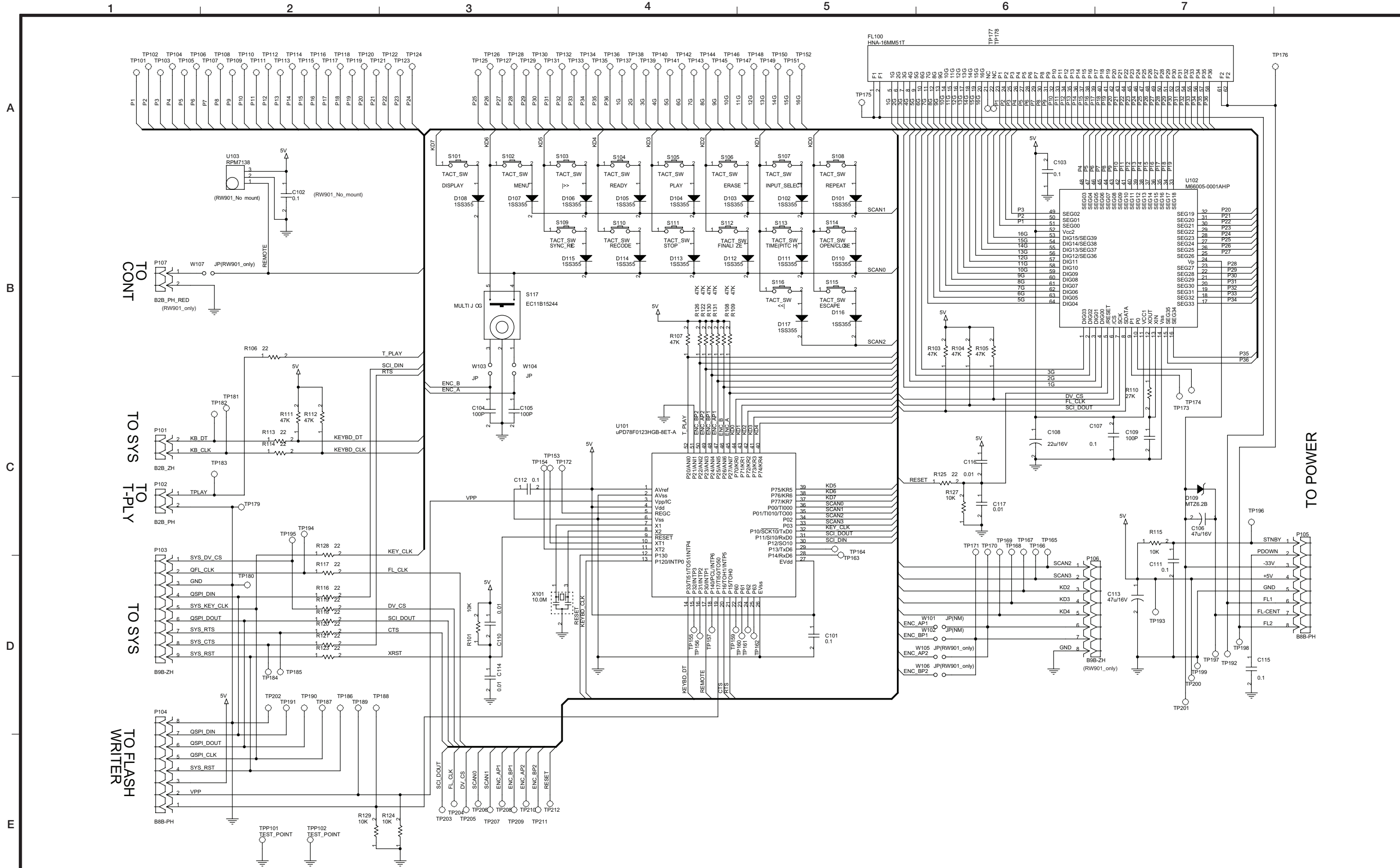


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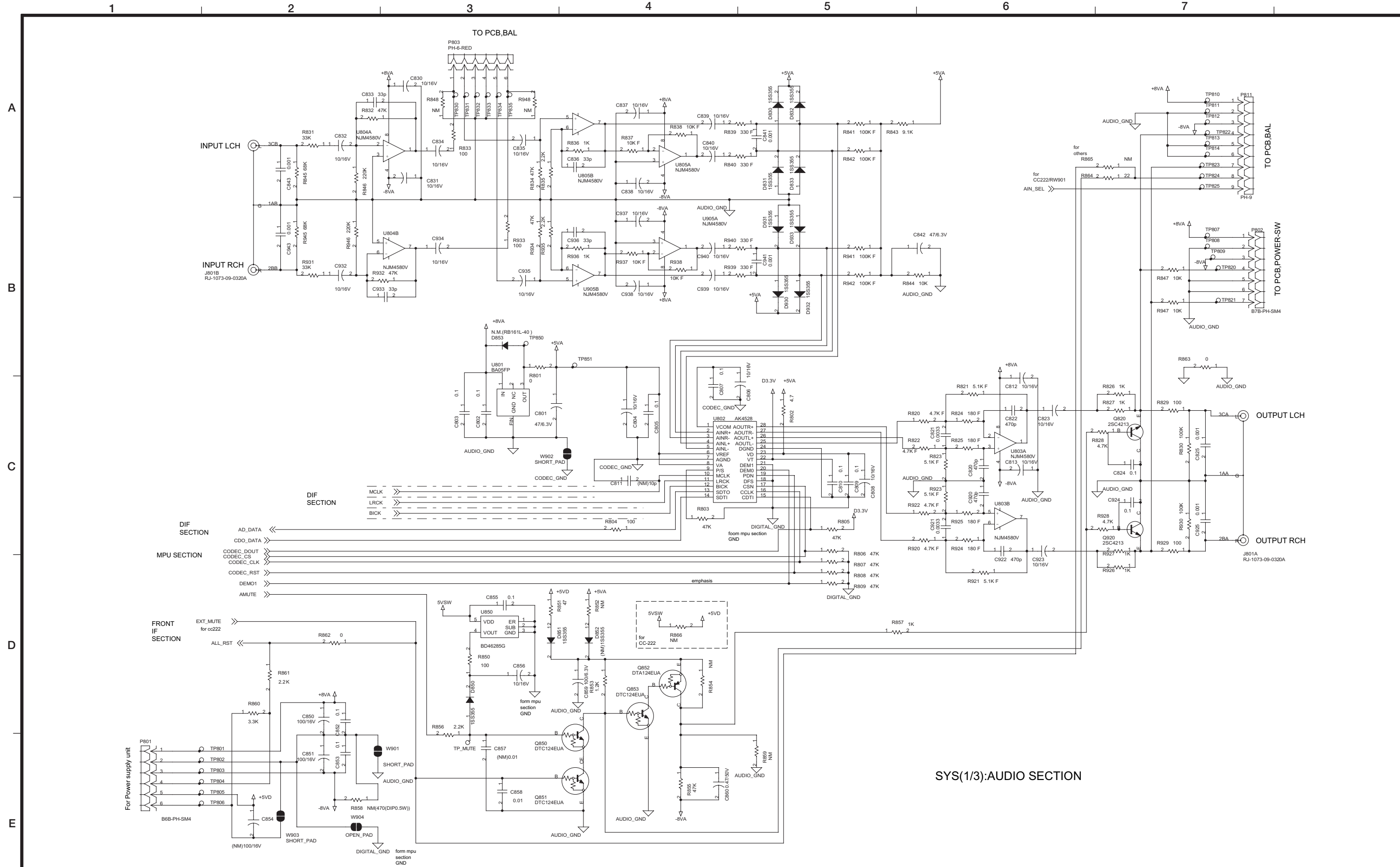


PCB,SLIM

CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**

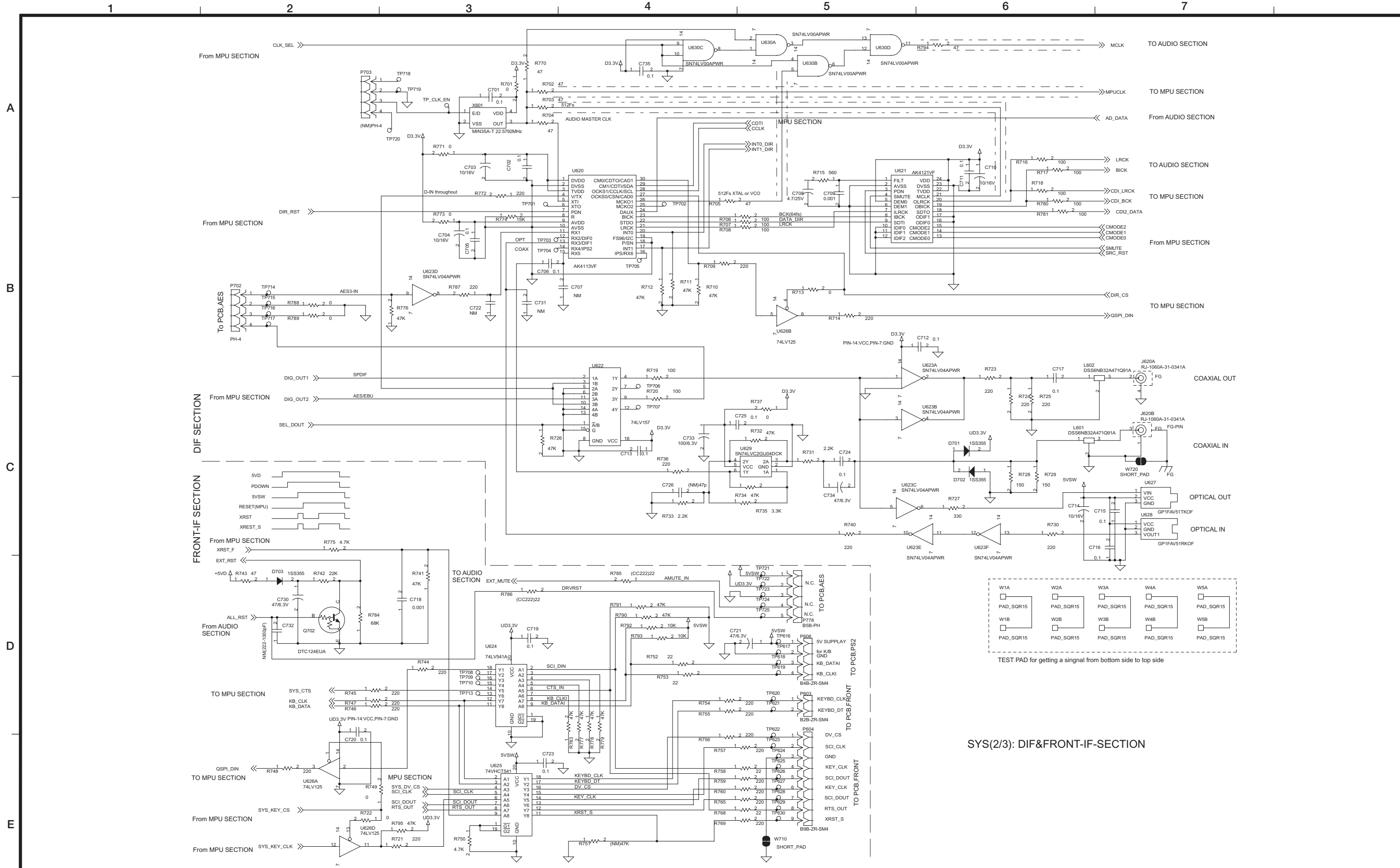


CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**



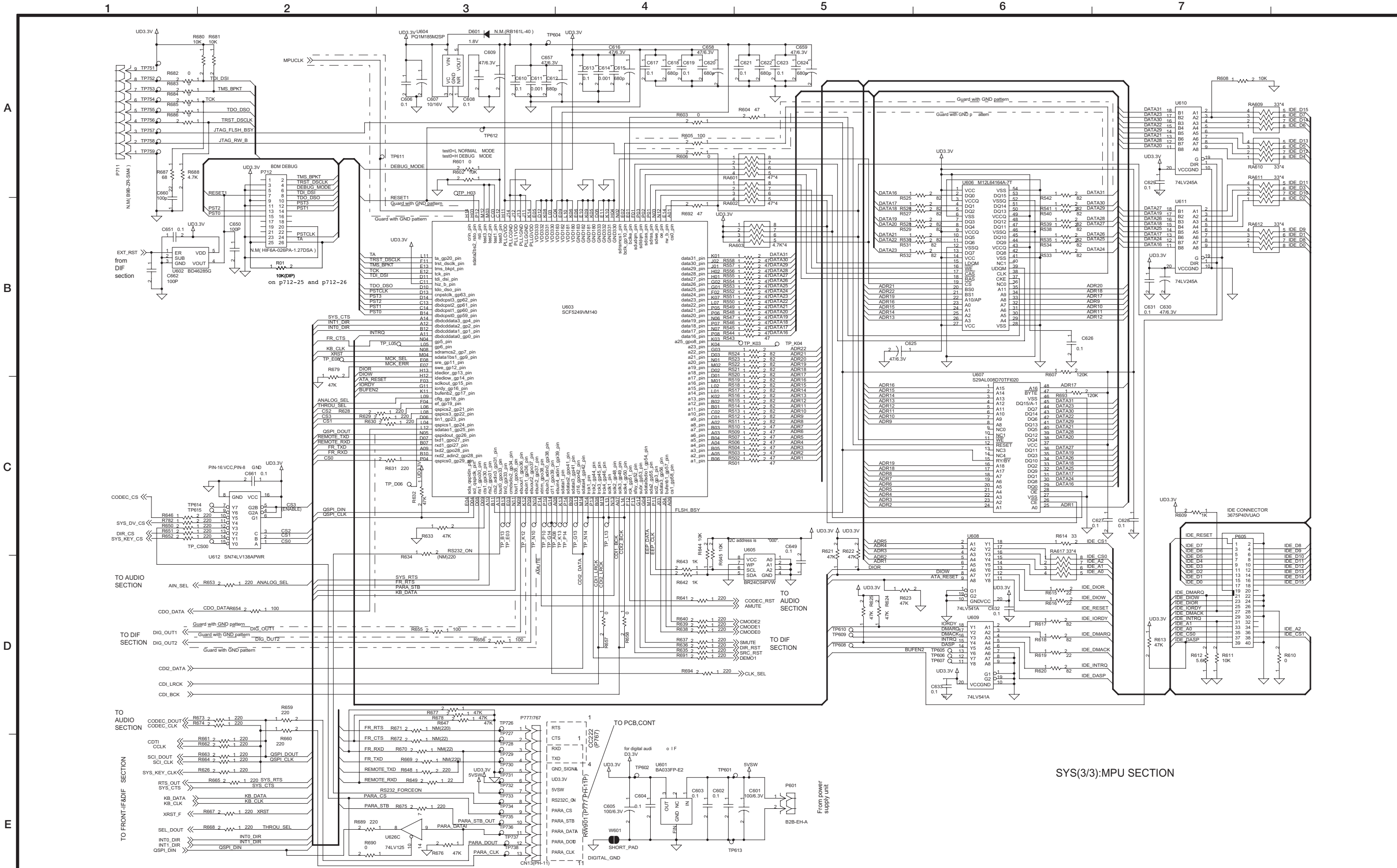
SYS(1/3):AUDIO SECTION

CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**



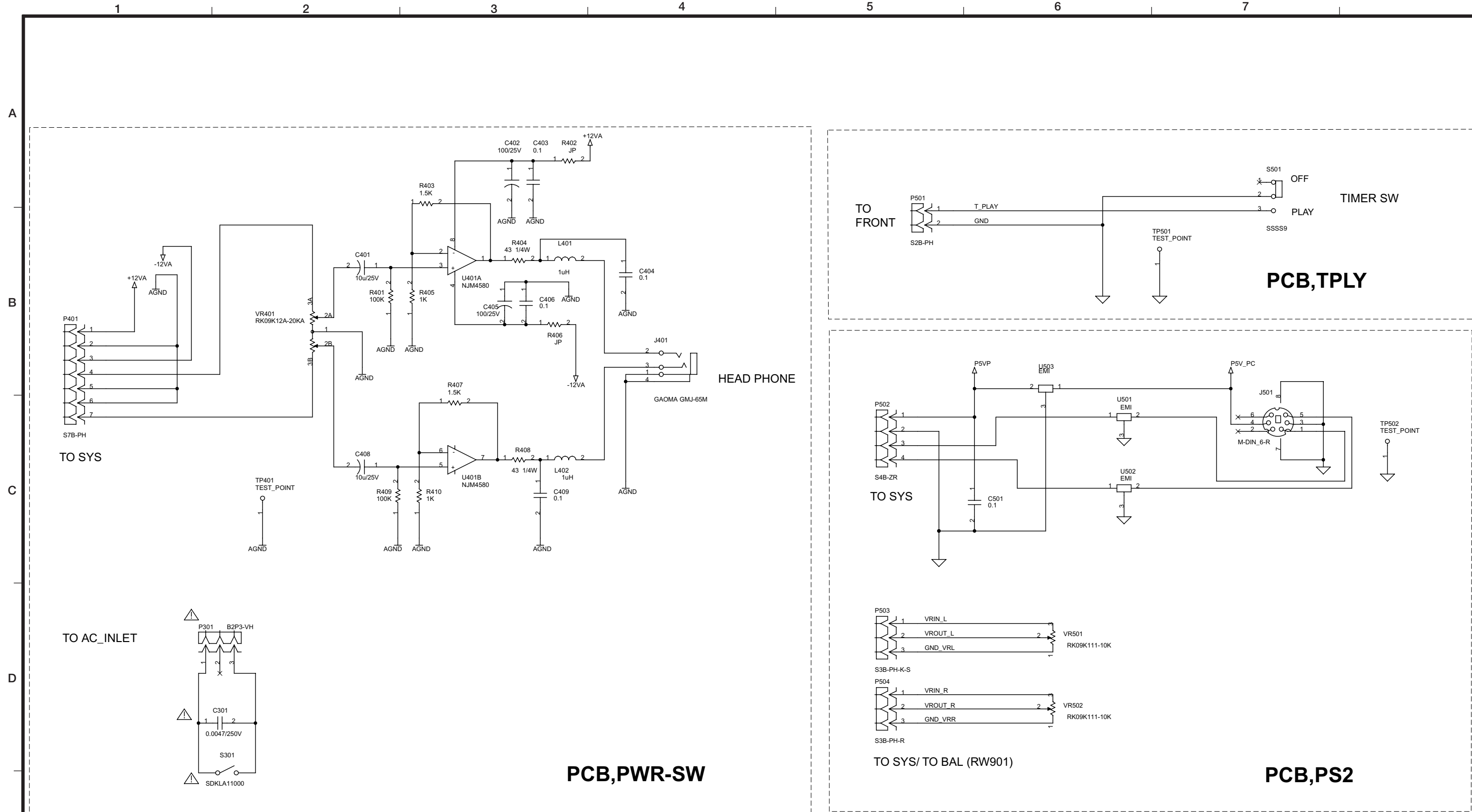
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CD Rewritable Recorder CD-RW900SL/CD-RW901SL

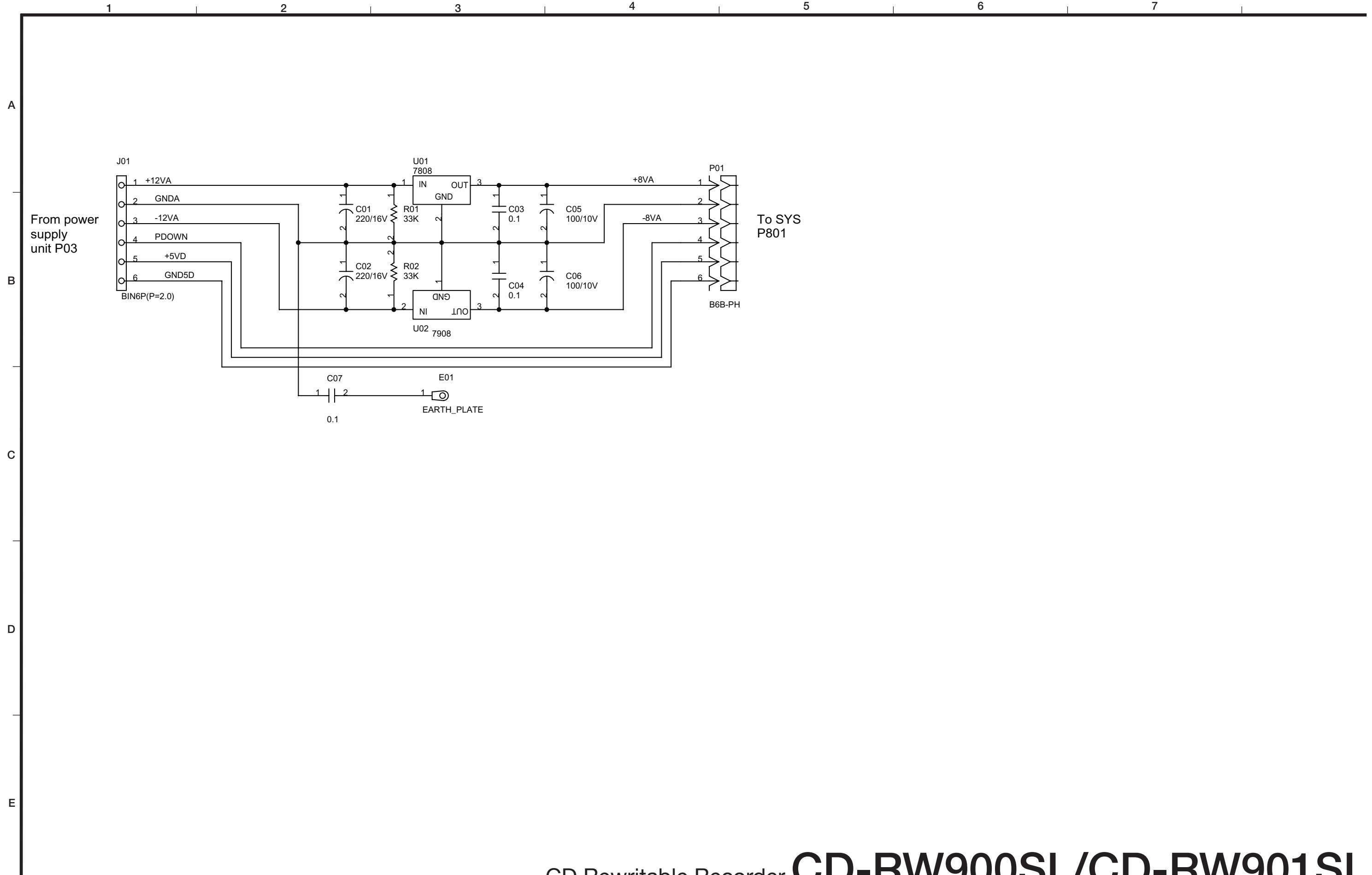


SYS(3/3):MPU SECTION

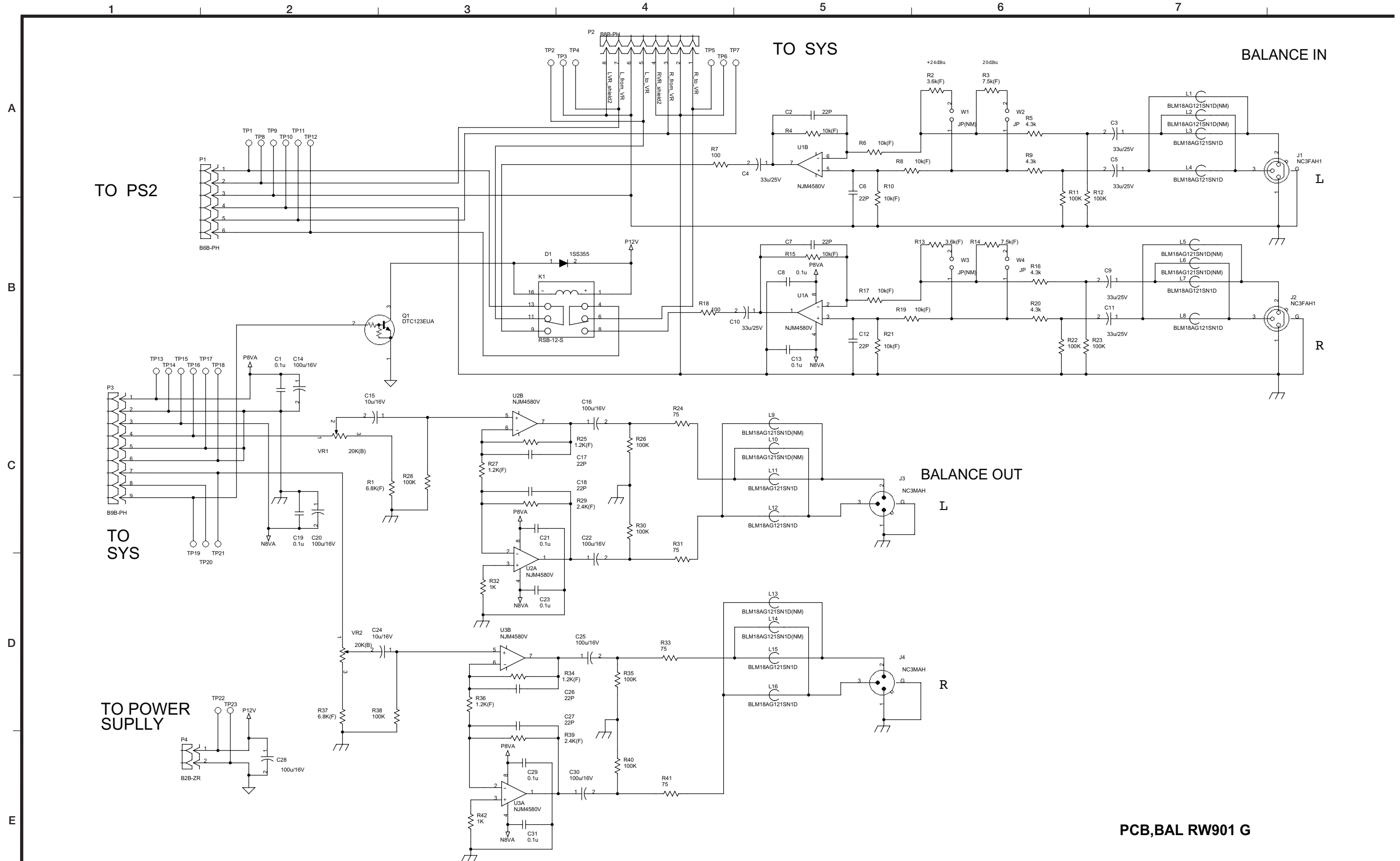
CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**



CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**

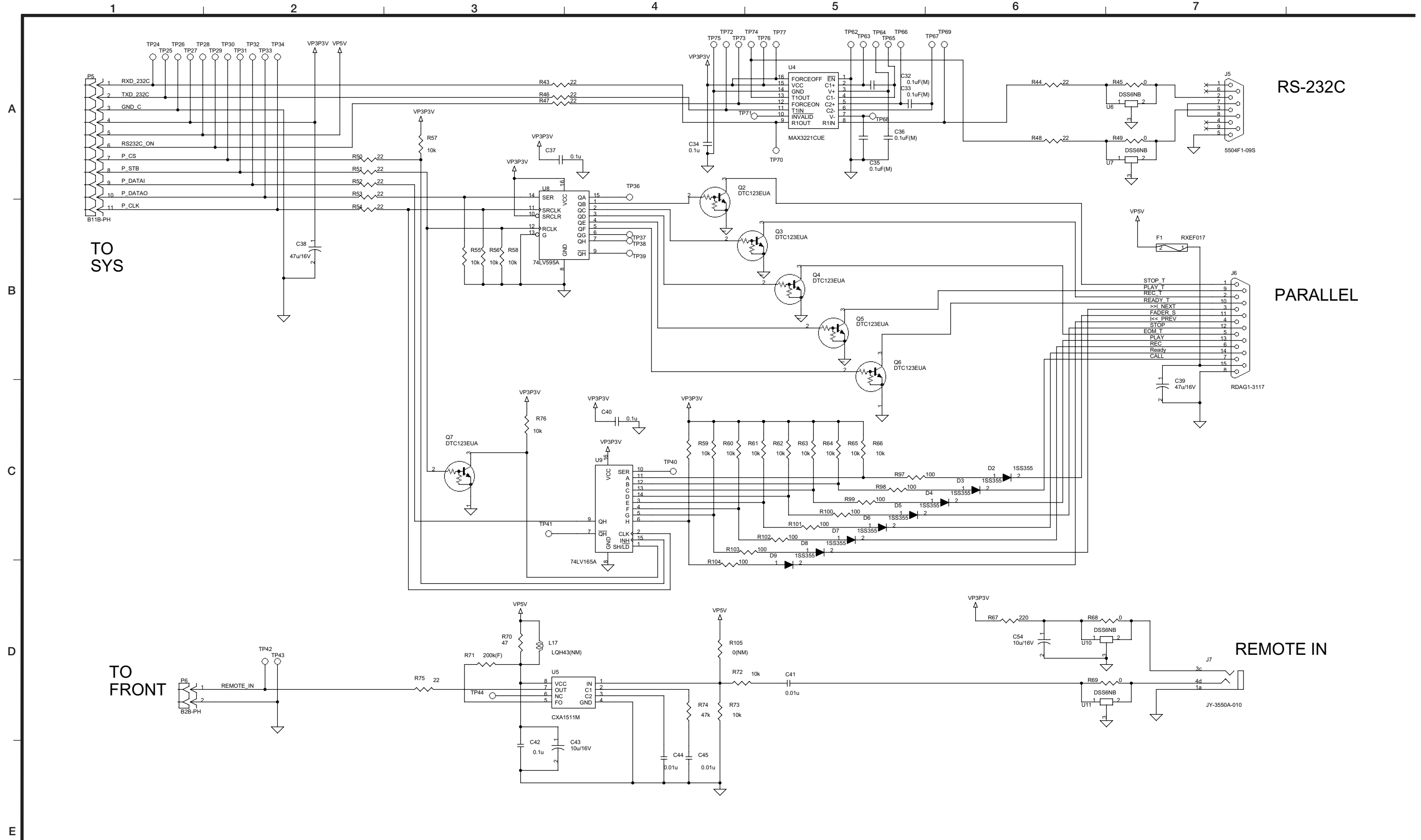


CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**



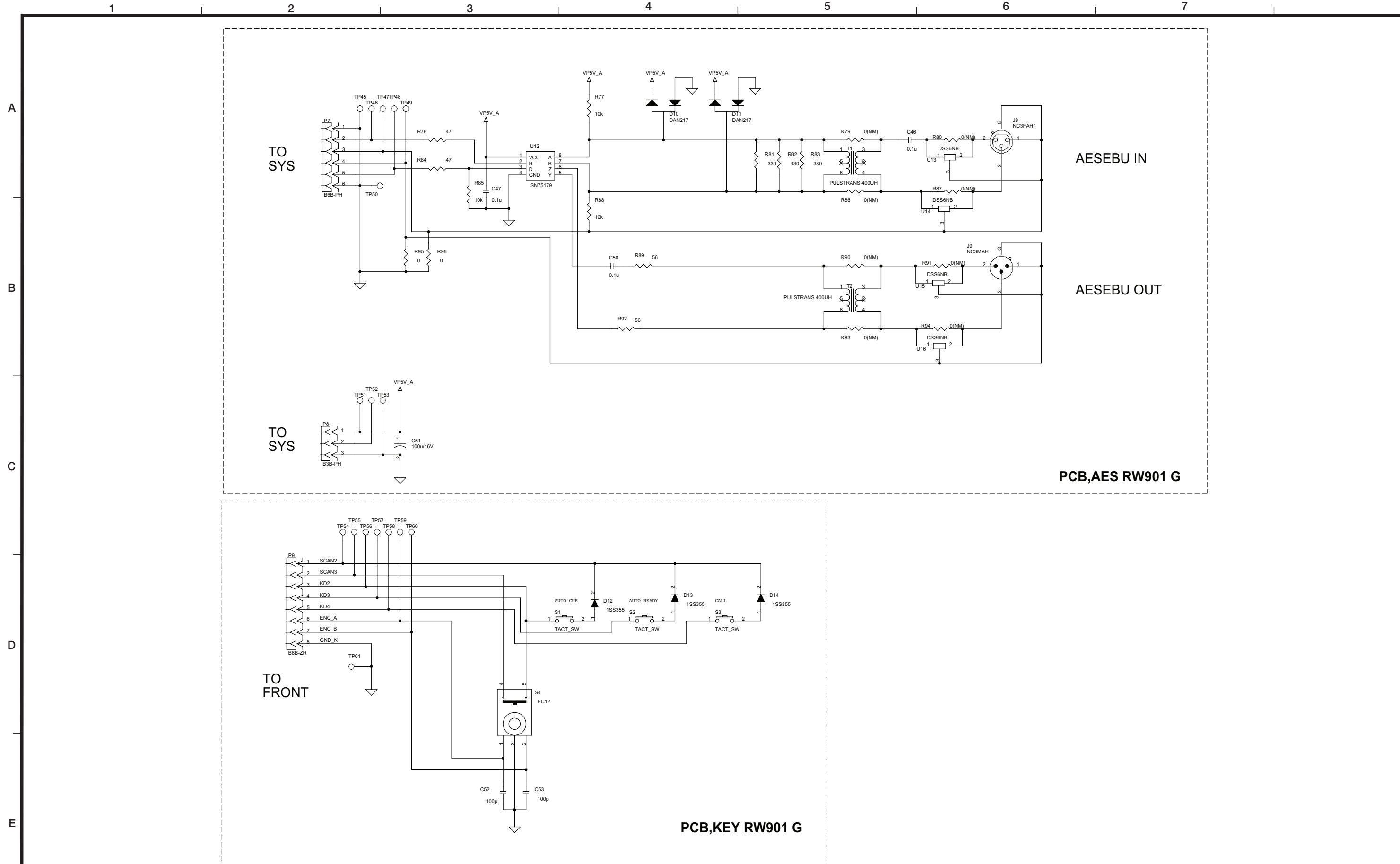
PCB,BAL RW901 G

CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**

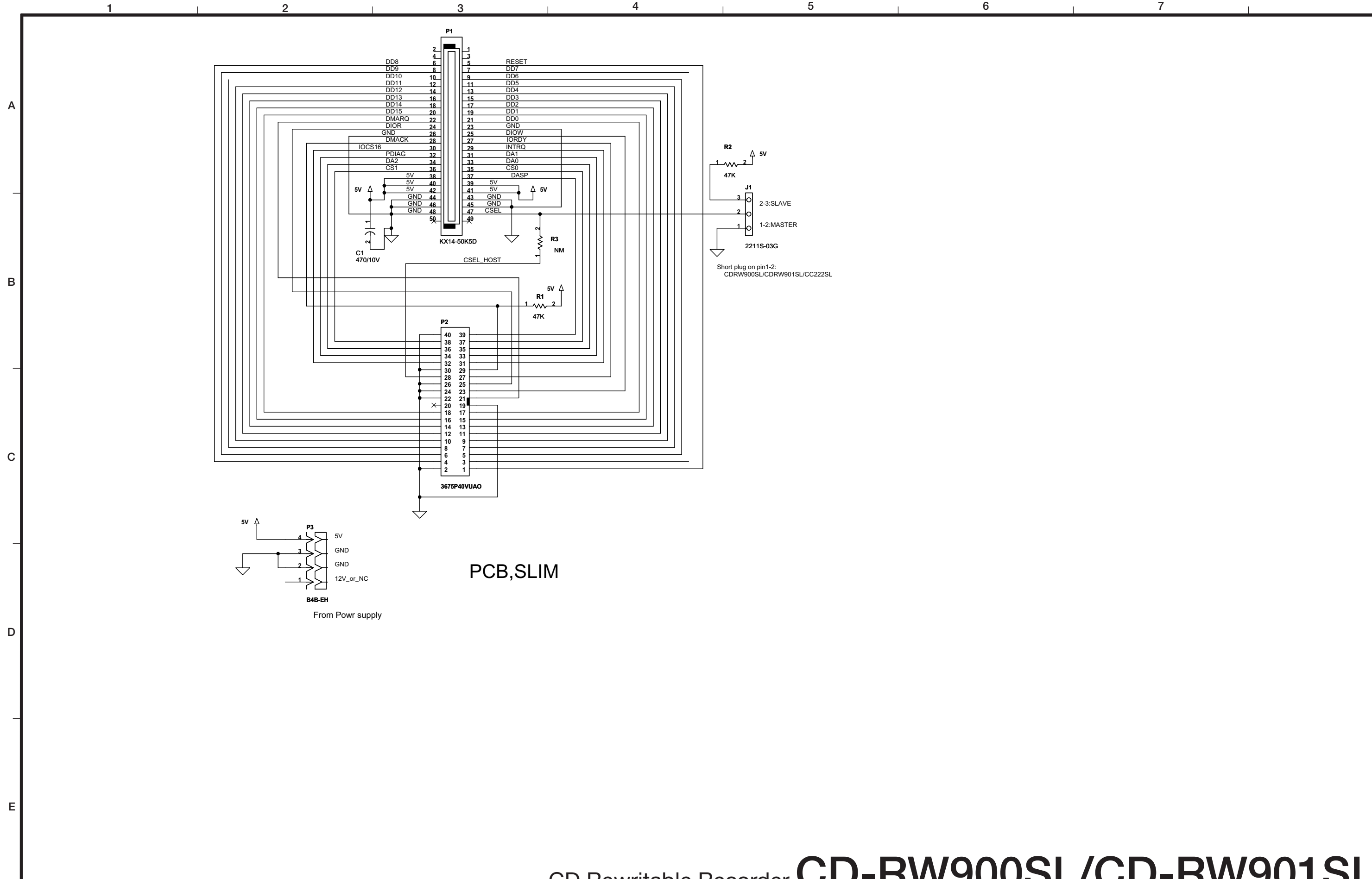


PCB,CONT RW901 G

CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**



CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**

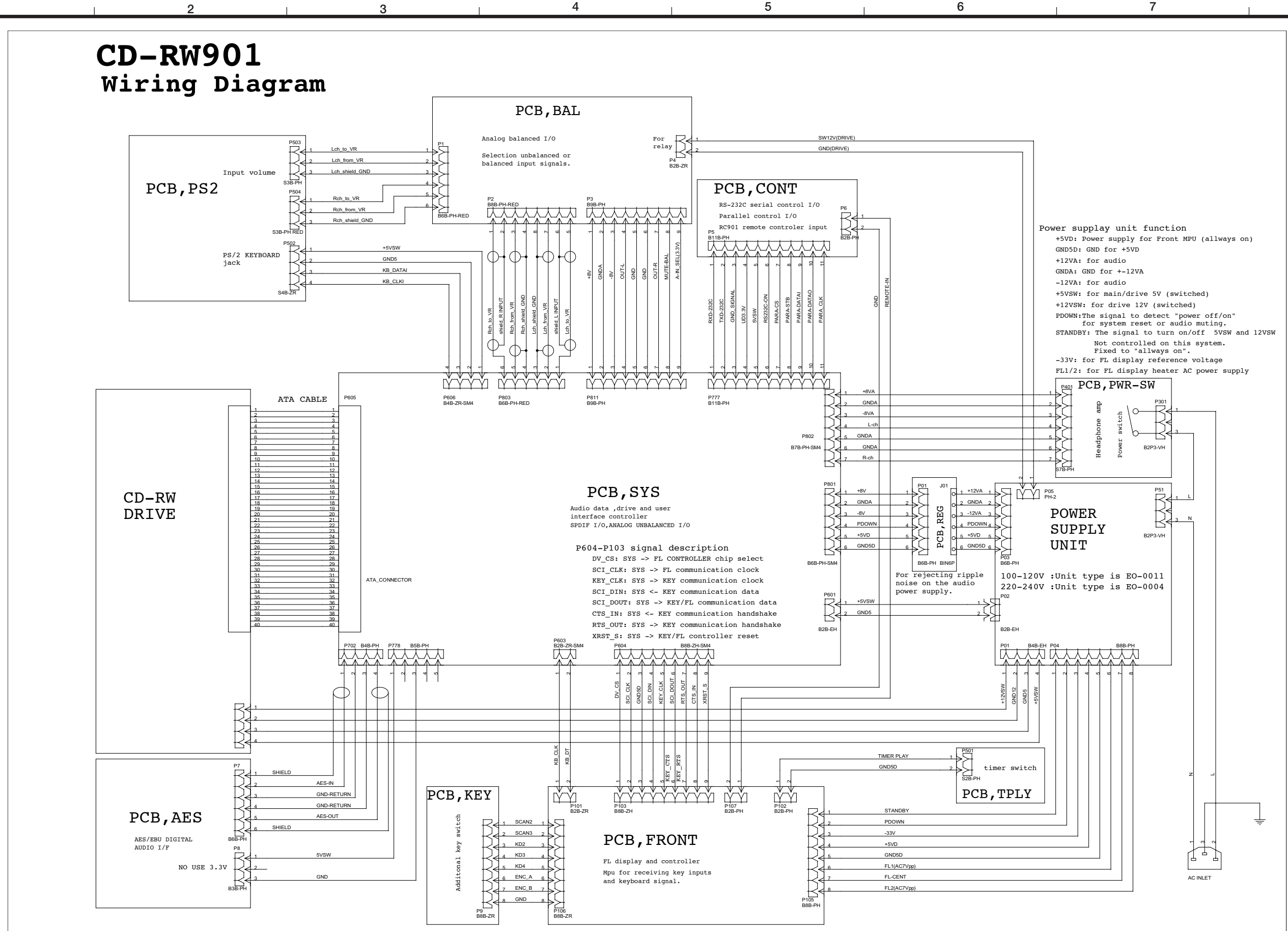


PCB,SLIM

CD Rewritable Recorder **CD-RW900SL/CD-RW901SL**

CD-RW901 Wiring Diagram

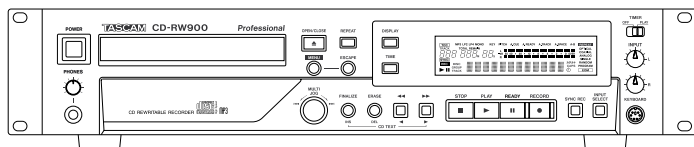
A
B
C
D
E



CD Rewritable Recorder CD-RW900SL/CD-RW901SL

TASCAM

TEAC Professional Division



SERVICE MANUAL

CD-RW900/CD-RW901



CD Rewritable Recorder

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INSTRUCTIONS FOR SERVICE PERSONNEL

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

1. SAFETY INFORMATION

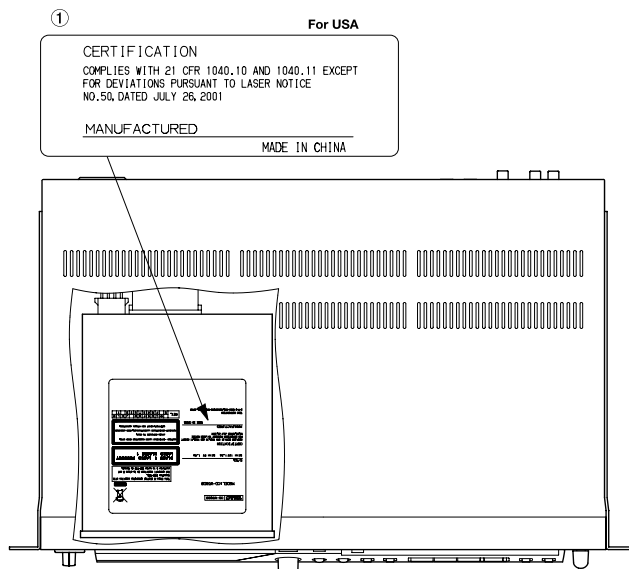
This product has been designed and manufactured according to FDA regulations "title 21, CFR, chapter 1, subchapter J, based on the Radiation Control for Health and Safety Act of 1968", and is classified as a class 1 laser product. There is no hazardous invisible laser radiation

during operation because invisible laser radiation emitted inside of this product is completely confined in the protective housings.

The label required in this regulation is shown .

●CAUTION

USE OF CONTROLS OR ADJUSTMENT OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.



| | | |
|------------------------|--------------|--|
| Optical pickup: | Type | : SF-W37SFT |
| | Manufacturer | : Sanyo Electric Co,Ltd |
| | Laser output | : Less than 0.7 mW on the objective lens(record) |
| | Wavelength | : 760 to 800 nm |

2. SPECIFICATIONS

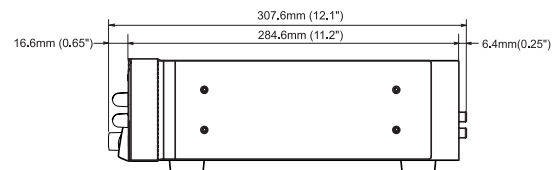
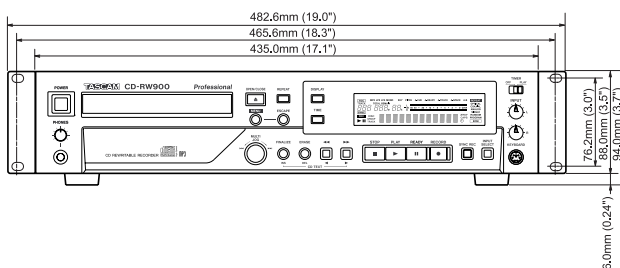
仕様

| | | | |
|-------------------------------|---|--|---|
| Recordable discs | CD-R, CD-R-DA, CD-RW, CD-RW-DA (High speed CD-RW is supported) | CDデッキ部定格 記録ディスク | CD-R, CD-R-DA, CD-RW, CD-RW-DA (CD-RW はHigh Speed に対応) |
| Quantization bit depth | 16 bit | 量子化ビット数 | 16bit リニア |
| Sampling frequency | 44.1 kHz | サンプリング周波数 | 44.1 kHz |
| Frequency response | 20 Hz~20 KHz ±0.8 dB (playback) ±1.0 dB (recording) | 再生周波数特性 | 20Hz ~ 20KHz ± 0.8dB (再生時) ± 1.0dB (記録時) |
| S/N | 95 dB (playback) 90 dB (recording) | S/N | 95dB 以上 (再生時) 90dB 以上 (記録時) |
| Dynamic range | 95 dB (playback) 90 dB (recording) | ダイナミックレンジ | 95dB 以上 (再生時) 90dB 以上 (記録時) |
| Distortion | 0.006 % (playback) 0.008 % (recording) | 歪率 | 0.006% 以下 (再生時) 0.008% 以下 (記録時) |
| Channel separation | 90 dB (playback) 80 dB (recording) | チャンネルセパレーション | 90dB 以上 (再生時: 1kHz) 80dB 以上 (記録時: 1kHz) |
| Wow and flutter | < 0.001 % (unmeasurable) | ワウフラッター | 測定限界以下 (0.001% 以下) 入出力定格 |
| Analog inputs | Unbalanced input RCA pin Level -10 dBV (Full Scale -16 dB) Minimum input level -19 dBV (adjustable level at Full Scale -16 dB) Input impedance 22 k Ω \pm 10 % (unbalanced) (CD-RW901 Only) Balanced XLR-3-31 Level +4 dBu (Full Scale -16 dB) Minimum input level -5 dBu (adjustable level at Full Scale -16 dB) Input impedance 14 k Ω \pm 5 % (balanced) | アナログ入力 アンバランス入力 規定入力レベル 最小入力レベル 入力インピーダンス (CD-RW901 のみ) バランス入力 規定入力レベル 最小入力レベル 入力インピーダンス | RCA ピン - 10dBV (Full Scale - 16dB) - 19dBV 以上 (規定レベル (Full Scale - 16dB) に調整可 能な最小入力レベル) 22K Ω \pm 10% (不平衡) |
| Analog outputs | Unbalanced output RCA pin Level -10 dBV \pm 2 dB (Full Scale -16 dB) Maximum output level +6 dBV \pm 2 dB Output impedance 600 Ω \pm 10% (unbalanced) (CD-RW901 Only) Balanced XLR-3-32 Level +4 dBu (Full Scale -16 dB) Maximum output level +20 dBu \hat{A} 2 dB (Full Scale -16 dB) Output impedance 75 Ω \pm 5 % (balanced) | アナログ出力 アンバランス出力 規定出力レベル 最大出力レベル 出カインピーダンス (CD-RW901 のみ) バランス出力 規定出力レベル 最大出力レベル 出カインピーダンス | XLR-3-31 相当 + 4dBu (Full Scale - 16dB) - 5dBu 以上 (規定レベル (Full Scale - 16dB) に調整可能な最 小入力レベル) 14K Ω \pm 5% (平衡) |
| Phones output | Stereo (6.3 ϕ) 20 mW 32 Ω | ヘッドホン出力 ヘッドホン出力ステレオ標準 (6.3 ϕ) | 20mW 以上、32 Ω 負荷 |
| Digital input | Coaxial RCA pin jack (IEC-60958 Consumer use) Optical TOSLINK (IEC-60958 Consumer use) | デジタル入力 COAXIAL | RCA ピン (IEC-60958 コン シューマユース) |

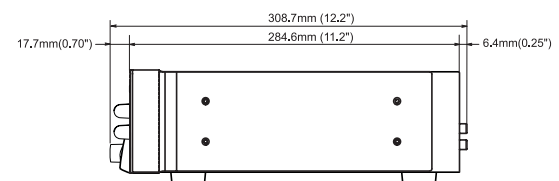
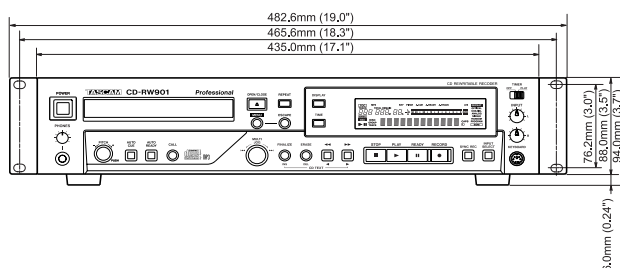
| | | | |
|---------------------------------------|---|------------------------------|---|
| | (CD-RW901 Only) | OPTICAL | TOSLINK (IEC-60958 コンシューマユース) |
| Digital output | AES/EBU XLR-3-31 (IEC-60958 Professional use) | (CD-RW901 のみ) | |
| | Coaxial RCA pin jack (IEC-60958 Consumer use) | AES/EBU | XLR-3-31 相当 (IEC-60958 プロユース) |
| | Optical TOSLINK (IEC-60958 Consumer use) | デジタル出力 | |
| | (CD-RW901 Only) | COAXIAL | RCA ピン (IEC-60958 コンシューマユース) |
| Keyboard | AES/EBU XLR-3-32 (IEC-60958 Professional use) | OPTICAL | TOSLINK (IEC-60958 コンシューマユース) |
| | Mini DIN 6 pin | (CD-RW901 のみ) | |
| | | AES/EBU | XLR-3-32 相当 (IEC-60958 プロユース) |
| CONTROL I/O (CD-RW901 Only) | PARALLEL D-SUB 15 pin | KEYBOARD | Mini DIN 6pin |
| | RS-232C D-SUB 9 Pin | CONTROL I/O (CD-RW901 のみ) | PARALLEL D-SUB 15pin RS-232C D-SUB 9pin REMOTE IN 端子RC-RW901 専用 |
| Power | U.S.A./Canada 120VAC, 60Hz | 電源 | 100VAC、50/60Hz |
| | U.K./Erope 230VAC, 50Hz | 消費電力 | 14W(CD-RW900) 16W(CD-RW901) |
| Power consumption | Australia 240VAC, 50Hz | 外形寸法 | 482.6 × 94 × 307.6mm (幅×高さ×奥行) (CD-RW900) |
| | U.S.A./Canada 16 W(CD-RW900) | | 482.6 × 94 × 308.7mm (幅×高さ×奥行) (CD-RW901) |
| Dimensions (d x w x h) | U.K./Erope 18 W(CD-RW900) | 重量 | 4.9kg(CD-RW900) |
| | Australia 18 W(CD-RW900) | | 5.4kg(CD-RW901) |
| | U.S.A./Canada 17 W(CD-RW901) | | |
| Weight | U.K./Erope 19 W(CD-RW901) | | |
| | Australia 19 W(CD-RW901) | | |
| | 307.6 x 482.6 x 94 (mm) (CD-RW900) | | |
| | 308.7 x 482.6 x 94 (mm) (CD-RW901) | | |

Dimensional drawing 外形寸法図

CD-RW900



CD-RW901



3. Test Mode

テストモード

1. Getting into test mode

While holding down the PLAY,READY and ►► keys, switch on the power.

To turn the test mode off, switch off the power.

All check modes except for KEY CHECK mode can be exited by pressing the STOP key.

All of the tests listed below can be performed on CD-RW900 System Version 1.02 and above or CD-RW901 System Version 1.00 and above. With earlier versions, there are some test items that are not displayed.

2. Test mode menu

When running in test mode, the center encoder is available for selecting test items and confirming your selection.

The following items are available:

1. [DISPLAY CHK]
2. [KEY CHECK]
3. [ENCODER CHK]
4. [TIMER SW CHK]
5. [KEYBOARD CHK]
6. [REMOTE CHK]
7. [RS-232C CHK]
8. [PARALLEL CHK]
9. [EEP CHECK]
10. [DISC CHECK]
11. [VERSION CHK]

When an item is selected and you press the STOP key, you will go back to the test mode menu.

3. Test items explained

1) DISPLAY CHK

The FL display tube shows the following displays in sequence with each press of the DISPLAY key.

To turn off this selection, press the STOP key.

- 1st stage: "Push Display" shows.
- 2nd stage: FL display tube blacks out.
- 3rd stage: GRID 1 illuminated (INPUT, AUTO xxx, etc) .
- 4th stage: GRID 2 illuminated (level meter).
- 5th stage: GRID 3 illuminated (7-seg.Min, etc).
- 6th stage: GRID 4 illuminated (PLAY, READY, REC and other button symbols)
- 7th stage: Character display illuminated (vertical stripes)
- 8th stage: Character display illuminated (horizontal stripes)
- 9th stage: Character display illuminated (checkered flag)
- 10th stage: Character display fully illuminated

Press again the DISPLAY key to terminate DISPLAY CHK.

2) KEY CHECK

Press keys in sequence as the FL display tube shows.

When you have sequenced through all keys, the KEY CHECK process automatically ends.

Pressing the ENTER key (MULTI JOG) lets you quit the KEY CHECK mode.

1. テストモードへの入り方

「PLAY」と「READY」と「►►」キーを押しながら電源を入れる。

テストモードは電源OFFで終了する。

KEY CHECKを除き、全てのモードは「STOP」キーを押すと終了する。

全てのテストが完全に実行可能なSystem Versionは、CD-RW900 System Version 1.02 / CD-RW901 System Version 1.00以降から有効です。それ以前のバージョンでは表示されない項目も存在します。

2. テストモードメニュー

テストモードに入ったら、センターエンコーダでテスト項目を選択、決定する。

選択項目は以下の通りである。

1. 「DISPLAY CHK」
2. 「KEY CHECK」
3. 「ENCODER CHK」
4. 「TIMER SW CHK」
5. 「KEYBOARD CHK」
6. 「REMOTE CHK」
7. 「RS-232C CHK」
8. 「PARALLEL CHK」
9. 「EEP CHECK」
10. 「DISC CHECK」
11. 「VERSION CHK」

選択状態で「STOP」キーを押すことで選択項目に戻る。

3. 各テストモードの説明

1) DISPLAY CHK

「DISPLAY」キーを押す毎に、FL管にGRID、キャラクター部をまとめて表示する。

「STOP」キーにてテストモードは終了する。

第1段階：「Push Display」を表示

第2段階：FL管消灯

第3段階：GRID 1 点灯 (INPUT,Auto ×××等)

第4段階：GRID 2 点灯 (レベルメーター)

第5段階：GRID 3 点灯 (7seg Min等)

第6段階：GRID 4 点灯 (PLAY,READY,RECマーク*等)

第7段階：キャラクター 点灯 (縦縞)

第8段階：キャラクター 点灯 (横縞)

第9段階：キャラクター 点灯 (チェッカーフラグ)

第10段階：キャラクター 全点灯

再度「DISPLAY」キーを押すとDISPLAY CHKを終了する。

2) KEY CHECK

FL管に表示されたキーを順次押してチェックを行う。最後までキーチェックを行うと、自動的にKEY CHECKを終了する。

「ENTER」キー (MULTI JOG) を押すとKEY CHECKモードを終了する。

3) ENCODER CHK

(With the CD-RW900, test on the pitch encoder is not available.)

The FL display tube shows how to operate which encoder in this order:

- (1) Rotate the encoder counterclockwise over a distance of 3 clicks.
- (2) Rotate the encoder clockwise over a distance of 3 clicks.
- (3) Push the encoder.
- (4) Rotate the pice encoder counterclockwise over a distance of 3 clicks.
- (5) Rotate the pich encoder clockwise over a distance of 3 clicks.
- (6) Push the pich encoder.
- (7) To turn off this selection.

4) TIMER SW CHK

This shows the current control switch position.

Set the control switch to ON and OFF to check to see if "TIMER SW ON" and "TIMER SW OFF" are displayed, respectively.

5) KEYBOARD CHK

As with KEY CHECK, press keys as the FL display tube shows. Unlike with KEY CHECK, you don't need to check all keys.

6) REMOTE CHECK

At the press of any key when "Key Waiting" is displayed, the FL display tube shows the key pressed.

When you press and hold down a key, the related display blinks.

7) RS-232C CHK

(With the CD-RW900, this test is not available.)

This checks data send/receive through RS-232C using a loop jig. Plug in a loop jig (D-sub 9-pin connector with pins 2 and 3 shorted).

To get the check process started, press the ENTER key when "Data Send?" is displayed.

Depending on whether the check is successful or not, either of the following will be displayed:

- OK : "RS-232C Good"
- NG : "Time Out!!"

8) PARALLEL CHECK

(With the CD-RW900, this test is not available.)

At the press of any key when "Key Waiting" is displayed, the FL display tube shows the key pressed and the corresponding tally signal is sent out.

| Key pressed | : Tally signal sent out |
|-------------|-------------------------|
| STOP | : STOP |
| PLAY | : PLAY |
| READY | : READY |
| RECORD | : RECOAD |
| PREVIOUS | : EOM |
| NEXT | : EOM + STOP |
| CALL | : EOM + READY |
| FADER START | : EOM + PLAY |

3) ENCODER CHK

(CD-RW900では、ピッチエンコーダーのテストは行いません。)

FL管にて操作するべきエンコーダーと方法が表示される。順番は

- (1) 「エンコーダーの左回し、クリック3回分」
- (2) 「エンコーダーの右回し、クリック3回分」
- (3) 「エンコーダーのプッシュ」
- (4) 「ピッチエンコーダーの左回し、クリック3回分」
- (5) 「ピッチエンコーダーの右回し、クリック3回分」
- (6) 「ピッチエンコーダーのプッシュ」
- (7) テストモード終了

4) TIMER SW CHK

現在の位置を表示する。

ON側にある場合は「TIMER SW ON」、OFF側にある場合は「TIMER SW OFF」と表示し、両方表示されることを確認する。

5) KEYBOARD CHK

「KEY CHECK」と同様にFL管に表示しているキーを押す。「KEY CHECK」と異なりすべてのキーをチェックする必要はない。

6) REMOTE CHECK

「Key Waiting」表示中に任意のキーを押すと、FL管に押されたキーを表示する。

押し続けると、キー表示が点滅する。

7) RS-232C CHK

(CD-RW900ではテストを行いません。)

RS-232Cの送受信をループ治具で確認を行う。

ループ治具 (D-Sub 9pinコネクタの2ピンと3ピンをショートした物) を接続する。

「Data Send?」表示中に、「ENTER」キーで実行する。

OK : 「RS-232C Good」

NG : 「Time Out!!」

上記、どちらかを表示する。

8) PARALLEL CHECK

(CD-RW900ではテストを行いません。)

「Key Waiting」表示中に任意のキーを押すと、FL管に押されたキーを表示し、タリーを出力する。

| | |
|-------------|---------------|
| 入力キー | : 出力タリー |
| STOP | : STOP |
| PLAY | : PLAY |
| READY | : READY |
| RECORD | : RECOAD |
| PREVIOUS | : EOM |
| NEXT | : EOM + STOP |
| CALL | : EOM + READY |
| FADER START | : EOM + PLAY |

9) EEP CHECK

- (1) [DEFAULT]
Initial setting of EEP ROM. For use before shipment.
- (2) [DEF PARA]
Initial setting of EEP ROM. Total play and record times not initialized.
- (3) [CLR TIME]
Only total play and record times on CD are cleared. This option is used when the CD drive is replaced at a TEAC service center.

10) DISC CHECK

- ① "Disc Set" is displayed and the disc tray automatically opens, then insert a disc on the tray and press the OPEN/CLOSE key to close the tray (you can also close the tray with the hand).
- ② The disc is checked while "Disc Read" is displayed and data on the disc is displayed as "ATIP=xxxxxx" before the tray automatically opens.

11) VERSION CHECK

As you rotate the center encoder, the following are displayed:

| | |
|-----------------|------------------------------|
| "SYS Ver xx.xx" | System microcomputer version |
| "KEY Ver xx.xx" | Key microcomputer version |
| "DRV Ver xx.xx" | Drive microcomputer version |
| "DRV xxxxxxxx" | Drive model number |
| "BUILD xxxx" | Build version |
| "PTIME=xxxh" | Total playback time |
| "RTIME=xxxh" | Total record time |
| "FIRM=xxxxx" | SYS F/W Model name |

4. FIRMWARE UPDATE**1) Creating an update CD**

- Prepare a blank CD-R disc, as well as a system capable of creating data CDs.
- Download the latest version of the firmware from a given location to PC available.
- Use the "Disc at once" method that complies with ISO9660 Level 1: MS-DOS compatible.
- Burn the downloaded file "RW900_0102.MOT", "RW901_0100.MOT" or higher onto a blank CD-R for SYSTEM update disc.
Burn the downloaded file "W58TB1TA.ab f" or higher onto a blank CD-R for DRIVE update disc.

NOTE: Be careful that the mains power supply to the unit is not interrupted during the update process. Otherwise the firmware data of SYSTEM or DRIVE can be damaged and physical replacement of the related Flash Rom becomes unavoidable.

9) EEP CHECK

- (1) [DEFAULT]
EEP ROMの初期化設定。工場出荷用。
- (2) [DEF PARA]
EEP ROMの初期化設定。ただし、再生時間、記録時間の積算時間は初期化しない。
- (3) [CLR TIME]
CDの再生&記録積算時間だけの初期化。サービスにてCDドライブを交換したときに使用。

10) DISC CHECK

- ① 「Disc Set」を表示しトレイが自動的にオープンするので、準備したディスクをトレイにのせ、「OPEN/CLOSE」キーでトレイを閉める。(手でトレイを閉めることも可能。)
- ② 「Disc Read」と表示中に挿入されたディスクをチェックし、チェックしたディスク情報を「ATIP=xxxxxxxx」と表示し、トレイが自動的にオープンする。

11) VERSION CHK

エンコーダーを回すことにより、下記が表示されます。

| | |
|-----------------|------------------|
| 「SYS Ver xx.xx」 | System マイコンバージョン |
| 「KEY Ver xx.xx」 | Key マイコンバージョン |
| 「DRV Ver xx.xx」 | Drive マイコンバージョン |
| 「DRV xxxxxxxx」 | Drive 型番 |
| 「BUILD xxxxx」 | Build バージョン |
| 「PTIME=xxxh」 | 総再生時間 |
| 「RTIME=xxxh」 | 総録音時間 |
| 「FIRM=xxxxx」 | SYS F/W モデル名 |

4. ファームウェアアップデート**1) アップデート用ディスク作製。**

- ① 「何も書き込まれていないCD-Rメディアと、データCDを記録できる環境を用意する。
- ② UPDATEする最新バージョンのファームウェアを所定の場所からダウンロードしPCに取り込む。
- ③ CD-Rへの記録フォーマットは、ISO9660 Level 1: MS-DOS 互換、Disc at onceを使用。
- ④ SYSTEMアップデートディスクとしてダウンロードファイル "RW900_0102.MOT"、"RW901_0100.MOT"、またはそれ以降を記録する。DRIVEアップデートディスクとしてダウンロードファイル "W58TB1TA.ab f"、またはそれ以降を記録する。

注意： アップデート中に不用意に電源が切れないための注意が必要。アップデート中に電源が切れると、SYSTEMまたはDRIVEのファームウェアデータが破壊され、関連フラッシュロムの交換が必要となる。

2) Getting into update mode

While holding down the STOP, RECORD and SYNC REC keys, switch on the power.

3) Update mode menu options

After entering update mode, use the encoder to select options and confirm your selection. The following options are provided.

SYSTEM UP
DRIVE UP

5. Update Procedure

1) SYSTEM UP

This updates the SYSTEM.

- ① Press the ENTER key when "Sys Update?" is displayed.
- ② "Disc Set" is displayed and the disc tray automatically opens, then insert the prepared disc on the tray and press the OPEN/CLOSE key to close the tray (you can also close the tray with the hand).
- ③ "File Check" is displayed and the disc starts being checked and, the current and new firmware version numbers are displayed as "xx.xx -> yy.yy" in 4 digits numerals when it is identified as a proper update file. Then press the ENTER key to get the update process started. (If the disc is renamed "FLASH.MOT", the update version is displayed as "XXXX" - not numerals but fixed alphabet of X).
- ④ During the update process, sector numbers being written to the FLASH ROM are displayed and, when the process is over, "Complete" is displayed.
- ⑤ After the update has been completed, switch off the power, then switch it back on.

* The model name of the update disc file is compared during "File Check" process and ③ is displayed in case the model name is identified. This is effective for the update disc on that the downloaded file name of "RW900_xxxx.MOT"/"RW901_xxxx.MOT" is burnt without any alteration. In case the model name of the update disc file is not identified by the current firmware, "Fail" is displayed and update cannot be fulfilled.

* In case SYSTEM PCBA of sister model is needed to diverge, re-create the update disc with burning the download file with changing Volume label of PC to "UPDATE" and renaming the file as "FLASH.MOT". To use the update disc burnt such method, the update can be done regardless the model.

2) アップデートモードへの入り方

「STOP」と「RECORD」と「SYNC REC」キーを押したまま電源を入れる。

3) アップデートモードメニュー

アップデートモードに入った後、エンコーダで項目を選択し、決定する。選択項目は以下の通りである。

「SYSTEM UP」
「DRIVE UP」

5. アップデート手順

1) 「SYSTEM UP」

SYSTEMのバージョンアップを実行する。

- ① 「Sys Update?」と表示されている状態で「ENTER」キーを押す。
- ② 「Disc Set」を表示しトレイが自動的にオープンするので、準備したディスクをトレイに乗せ「OPEN/CLOSE」キーでトレイを閉める。(手でトレイを閉めることも可能である。)
- ③ 「File Check」表示中に挿入されたディスクをチェックし、正しいアップデートファイルと認識すると「xx.xx->yy.yy」のように、現行バージョンと新バージョンが4桁数字で表示される。「ENTER」キーで実行する。(ファイル名を「FALSH.MOT」にしたディスクの場合、数字では無く、アルファベットのXXXX表示となる。)
- ④ 実行中はFLASH ROMの書き込みセクタナンバーを表示し「Complete」表示で終了となる。
- ⑤ バージョンアップ後は電源を入れ直して再起動してください。

※ 「File Check」表示時にはアップデートディスクのファイル機種名の確認を行い、機種名が一致すれば③の表示となる。これは、ダウンロードファイルのファイル名、「RW900_xxxx.MOT」/「RW901_xxxx.MOT」をそのまま記録したアップデートディスクの場合に有効となる。実行機種ファームウェアと機種名が異なる場合、「Fail」と表示しアップデートが実行できません。

※ 姉妹機のSYSTEM PCBAを使用する必要がある時は、ダウンロードファイルをディスクに記録の際、PCのボリュームラベルを「UPDATE」、ファイル名を「FLASH.MOT」とリネームしたものを作製する。そのディスクを使用すれば、機種にとらわれずアップデート可能となる。そのディスクを使用すれば、機種にとらわれずアップデート可能となる。

2) DRIVE UP

This updates the drive.

- ① Record in advance the updater file on a disc with a volume label of UPDATE and under a file name of W58xxxx.ABF.
- ② When "Drv Update?" is displayed, press the ENTER key.
- ③ "Dist Set" is displayed and the disc tray automatically opens, then insert the prepared disc on the tray and press the OPEN/CLOSE key to close the tray (you can also close the tray with the hand).
- ④ "File Check" is displayed and the disc starts being checked and, when it is identified as an updater file, the current and update versions are displayed as "xx.xx > xx.xx", then press the ENTER key to get the update process started.
- ⑤ During the update process, "Drive Update" is displayed blinking and, when the process is over, "Complete" is displayed.
- ⑥ After the update has been completed, switch off the power, then switch it back on.

* Unlike with the system firmware, the drive firmware is prohibited in any case from being updated on firmware whose drive model number differs from that on the updater disc.

7. Getting version display mode entered

Hold down the ◀◀ and ESCAPE keys and switch on the power.

When the version display mode is engaged, select options and confirm your selection with the encoder. The following options are provided.

SYS Ver xx.xx : System microcomputer version
 DRV Ver xx.xx : Drive microcomputer version

2) 「DRIVE UP」

DRIVEのバージョンアップを実行する。

- ① バージョンアップ元のファイルはボリュームラベル「UPDATE」、ファイル名「W58xxxx.ABF」にして、ディスクに記録しておく。
 - ② 「Drv Update?」と表示されている状態で「ENTER」キーを押す。
 - ③ 「Disc Set」を表示しトレイが自動的にオープンするので、準備したディスクをトレイに乗せ「OPEN/CLOSE」キーでトレイを閉める。(手動でトレイを閉めることも可能である。)
 - ④ 「File Check」と表示中に挿入されたディスクをチェックし、アップデートファイルと認識すると「xx.xx->xx.xx」と現行バージョン、アップデートバージョン表示するので「ENTER」キーで実行する。
 - ⑤ 実行中は「Drive Update」を点滅表示し「Complete」表示で終了となる。
 - ⑥ バージョンアップ後は電源を入れ直して再起動してください。
- ※ DRIVEファームウェアはいかなる場合も、SYSTEMファームウェアと異なり、ドライブ型番が異なるファームウェアでのアップデートを禁止しています。

7. バージョン表示モードへの入り方

「◀◀」と「ESCAPE」キーを押したまま電源を入れる。

バージョン表示モードに入った後、エンコーダで項目を選択し、決定する。選択項目は以下の通りである。

「SYS Ver xx.xx」 : Systemマイコンバージョン
 「DRV Ver xx.xx」 : Drive マイコンバージョン

4. Message Display glossary

メッセージ一覧

Error messages (エラーメッセージ)

| Message | Details / response(意味/対処方法) |
|---------------------|---|
| Can't Rec! | Cannot record. Either erase the contents of the disc (for a CD-RW), or use a different recordable disc. |
| | 録音できません。ディスクの内容を消去するか (CD-RW の場合)、録音可能なディスクに交換してください。 |
| Disc Error! | The disc has malfunctioned. Please replace with a new disc. |
| | ディスクに何らかの問題があります。ディスクを交換してください。 |
| Disc Full! | No recording time remaining, or no recordable track is left on the disc. |
| | 録音用ディスクに録音可能な時間、またはトラックがないため、録音できません。 |
| Text Full! | No space to input the letters. |
| | 文字数が上限に達しました。 |
| Sure? Text! | The text data is not written on the disc yet. Open the tray to cancel the text you entered or perform the finalize operation to write the data to the disc. |
| | TEXT 編集後、ファイナライズせずにトレイをオープンしようとしています。問題なければ再度OPEN/CLOSE キーを押してください。 |
| Drive Error! | There is a problem in the drive. |
| | CD-RW ドライブに問題があります。 |
| D-IN UNLOCK! | The digital input is not connected. Turn on the power of the equipment connected to DIGITAL IN. |
| | DIGITAL IN 端子にデジタル機器が接続されていません (または接続されたデジタル機器の電源がオフになっています)。デジタル機器の接続と電源をお確かめください。 |
| Not Audio! | There is no audio signal from DIGITAL IN. |
| | DIGITAL IN 端子からの入力信号がオーディオ信号ではありません。 |
| Erase Error! | An error occurred while erasing. |
| | 消去中にエラーが発生しました。 |
| Not Fs44.1k! | The sampling frequency of the digital input is not 44.1 kHz. Please turn the SRC on. |
| | デジタル入力のサンプリング周波数が44.1kHz ではありません。SRC をオンにしてください。 |
| PGM Empty! | There is no program. |
| | プログラムされていません。 |
| PGM Full! | No new programs can be created. |
| | 既に99 曲プログラムされています。 |
| Can't Edit! | Editing cannot be performed due to operational restrictions. |
| | 操作の制限により、編集が実行できません。 |
| Can't sel! | Menu selection cannot be performed due to selection restrictions. |
| | 選択禁止状態のため、メニューなどの選択ができません。 |
| Rec Error! | There was an error during recording. Please re-record. |
| | 録音中にエラーが発生しました。録音をやり直してください。 |
| No DIR! | There is no directory that contains a file. |
| | ファイルが存在するディレクトリがありません。 |
| Decode Err! | The MP3 file cannot be played back. |
| | MP3 ファイルの再生に失敗しました。 |

| Message | Details / response(意味/対処方法) |
|---|---|
| Format Err! | The disc is in a format that the CD-RW900/CD-RW901 cannot read. |
| | 本機では読み取り不可能な形式です。 |
| EXT CLK Err! (CD-RW901 only) | Can not synchronize with the digital input clock from the selected source. Check the connection with the source unit. |
| | INPUT SELECT で選択されている録音ソースからのデジタルの入カクロックに同期できません。クロック供給源となる機器との接続をお確かめください。 |

Messages during operations (動作メッセージ)

| Message | Statement (対処方法) |
|--|--|
| Blank Disc | A blank recordable disc has been inserted. |
| | 何も録音されていないディスクがセットされています。 |
| Complete | An operation such as finalize or erase has been successfully completed. |
| | ファイナライズまたは消去などが完了しました。 |
| Now OPC* | Calibration is being performed to operate recording properly. |
| | 最適な状態で録音するため、使用ディスクの特性に合わせてキャリブレーションを行っています。 |
| Disc Repair | The disc is being repaired, and this operation will take a long time. Please do not turn off the power of the CD-RW900/CD-RW901 until it finishes. |
| | 記録中に電源がオフになった等、何らかの理由によりPMAが記録できなかったCD-R メディアに対し、修復処理をしています。この処理は、記録された内容を全て確認するため非常に時間がかかりますので、途中で電源をオフにしないでください。 |
| PMA Writing* | The recorded content is being written to the disc. |
| | 録音した内容をディスクに記録しています。 |
| TOC reading | The table of contents data is being read. |
| | TOC 情報を読み取り中です。 |
| Incomplete! (CD-RW901 only) | ISRC or RID codes have not been read by the unit, or there is no code on the disc. |
| | ISRC コード、RID コードの読み込みが完了していない、または存在しません。 |
| 48k Fs Adj (CD-RW901 only) | The 48k Fs adjustment function is on. |
| | 48k Fs アジャスト機能がオンです。 |

*OPC=Optimum power Control

*PMA=Program memory Area

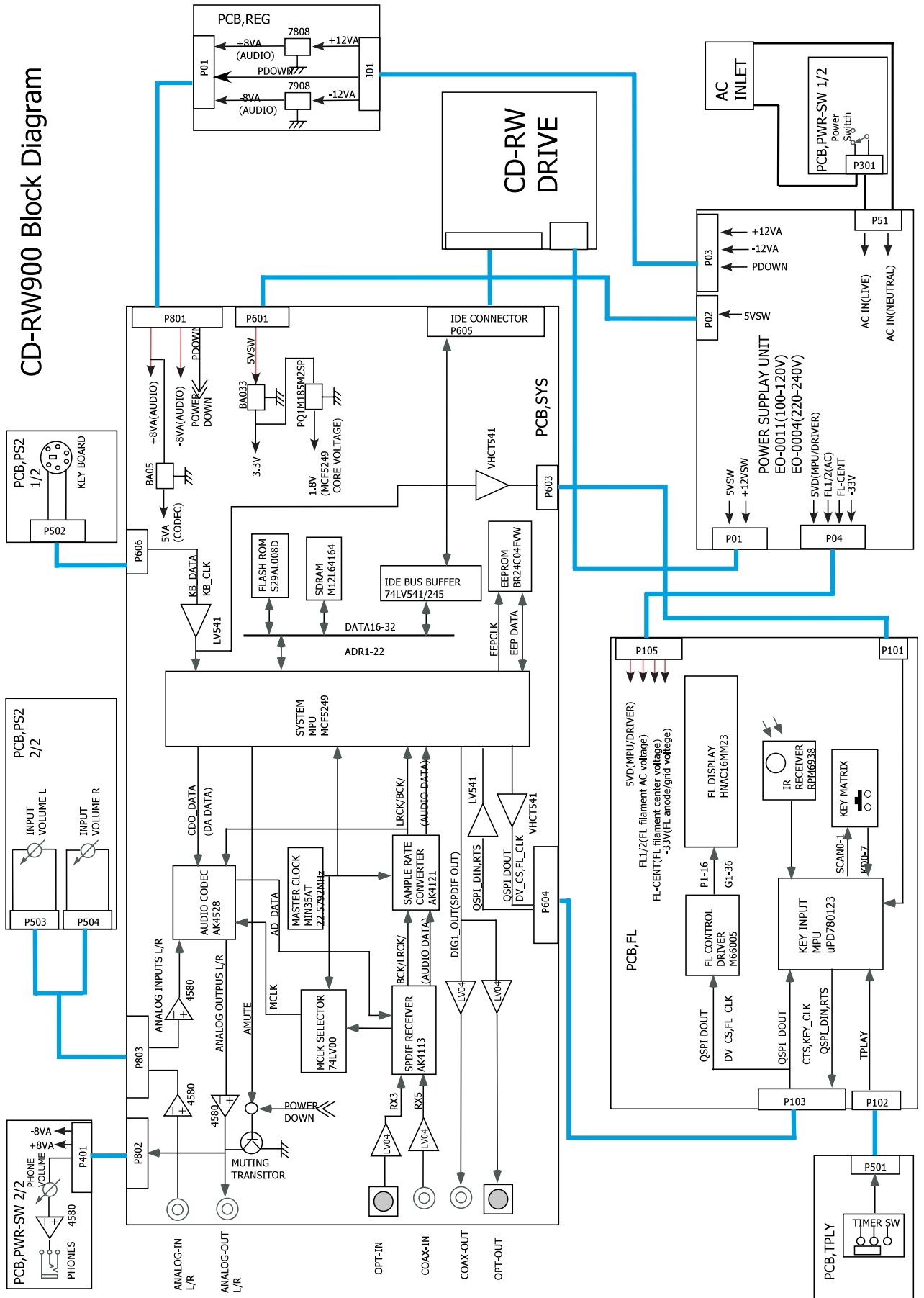
5. Troubleshooting

トラブルシューティング

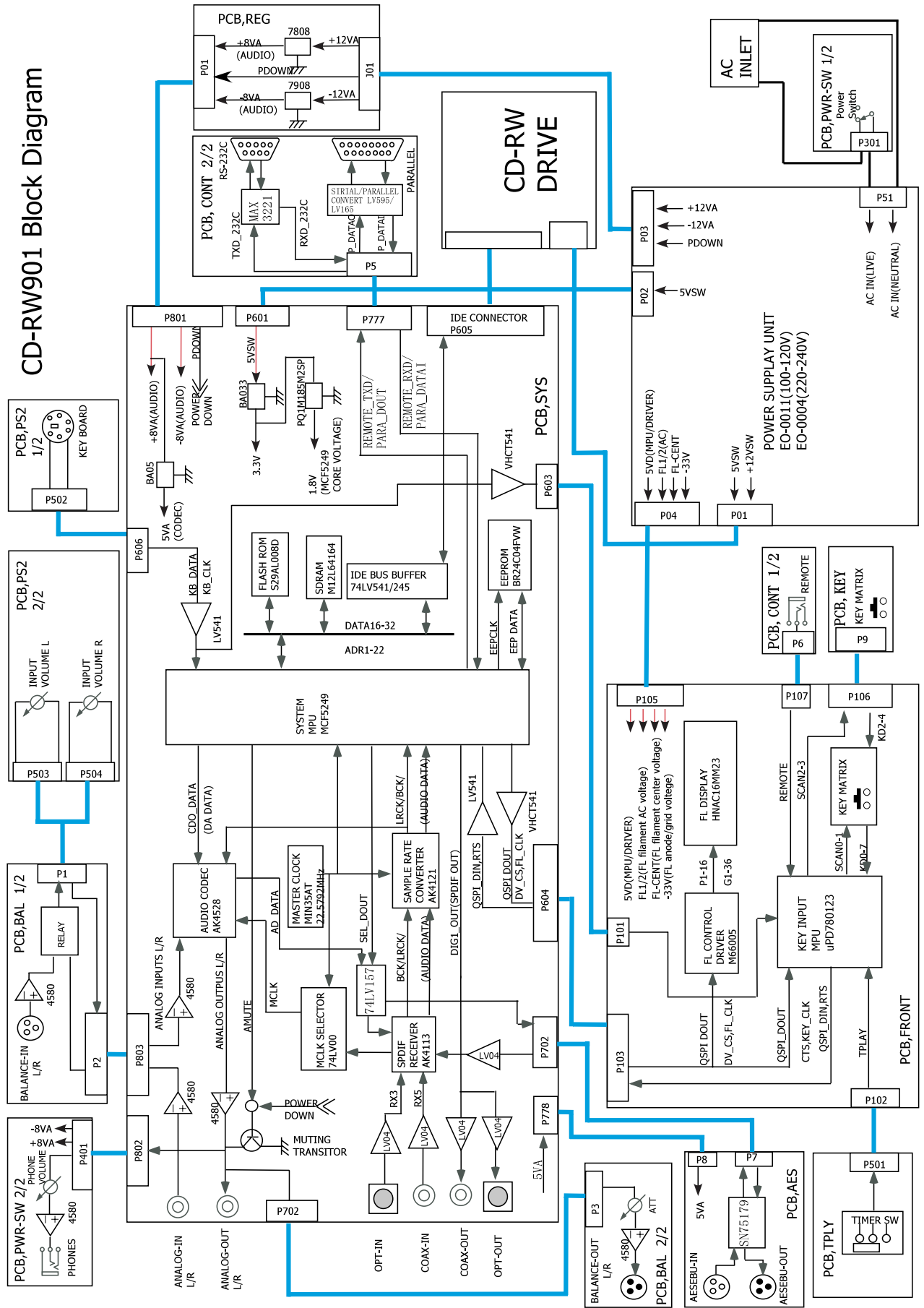
| Symptom | Possible cause and remedy | 症状 | 対処方法 |
|---|--|----------------------|---|
| There is no power to the unit. | Please check the power cord is properly plugged in. | 電源が入らない | 電源プラグがしっかりと差し込まれていますか？ |
| "Disc Error!" is displayed. | The disc may be dirty. Please replace the disc. | "Disc Error!" が表示される | ディスクが汚れていませんか？。ディスクを掃除するか交換してください。 |
| Playback is not possible. | This may be due to condensation. In this case, remove the disc, turn the power on and wait a few hours, then try again. | 再生できない | 結露していませんか？結露している場合はディスクを取り出して、電源をオンにしたまま数時間放置してください。 |
| No sound is output. | <ul style="list-style-type: none"> • Confirm the connections with the audio system. • Check the volume level, and proper amplifier operation. | 音が出ない | モニターシステムとの接続をもう一度確認してください。また、アンプの音量を確認してください。 |
| Recording is not possible. | <ul style="list-style-type: none"> • Confirm the connections with the audio system. • Adjust the recording level. • The disc may be for playback only. Please replace with a recordable disc. | 録音できない | <ul style="list-style-type: none"> • 接続をもう一度確認してください。 • 録音レベルを調節してください。 |
| Noise or static can be heard. | Please re-position the unit away from strong source of magnetism such as a television. | | <ul style="list-style-type: none"> • 再生専用のCD には録音できません。録音用CD と交換してください。 |
| The CD-RW900/CD-RW901 does not retain settings. | While settings are retained each time they are made, in some case they will not be retained when the power is turned off too soon. To prevent this from happening, do not turn off the power right after making a setting. | 設定を変えたのに記憶されていない | 本機では、モード設定を変更するたびにバックアップしていません。電源を切るタイミングによってはバックアップに失敗してしまう場合がありますので、変更した直後に電源を切ることはおやめください。 |
| | | 雑音がする | テレビなど強い磁気を帯びたものから十分離して設置してください。 |

6. Block Diagram

ブロックダイアグラム



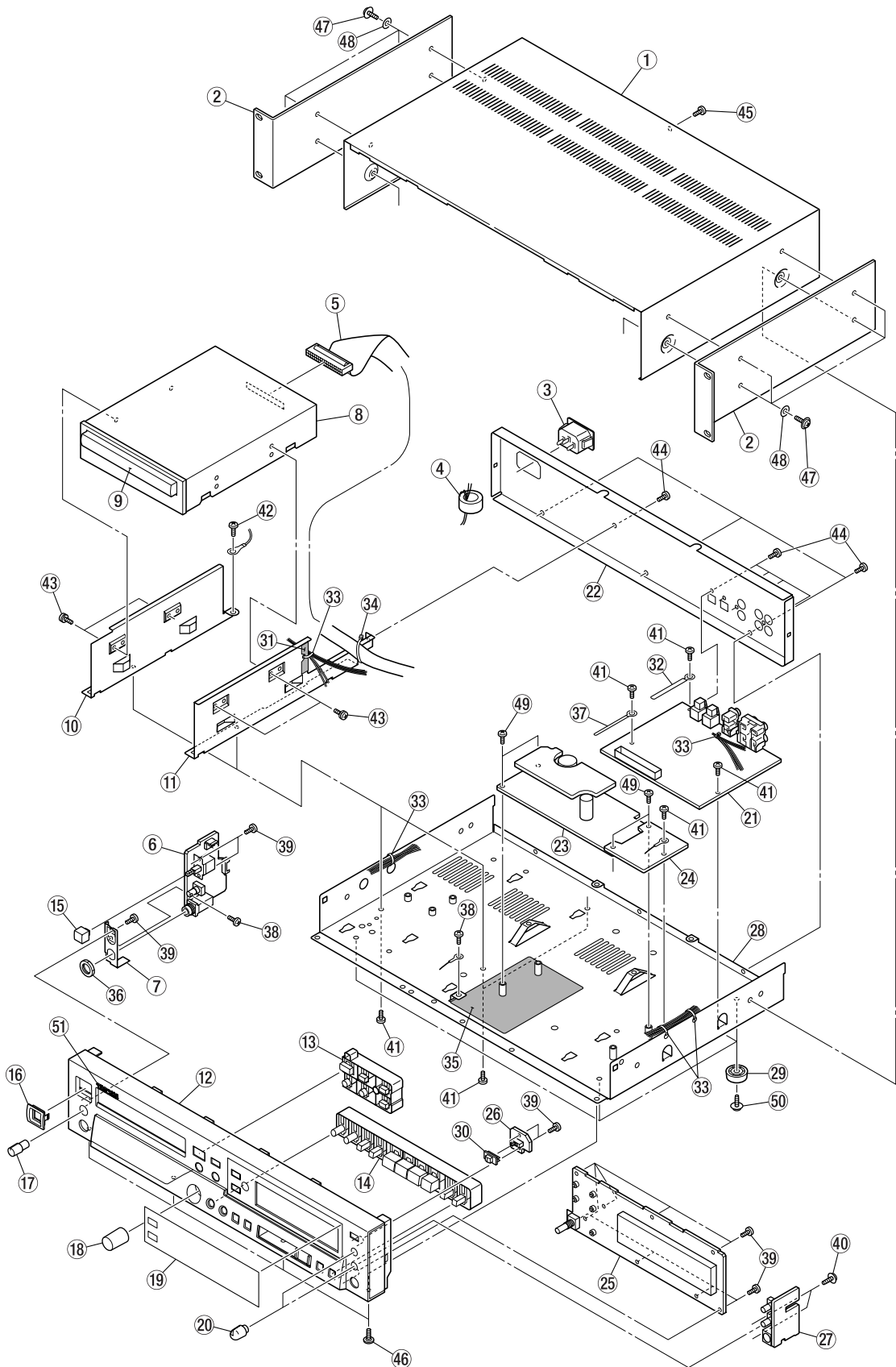
CD-RW901 Block Diagram



7. EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

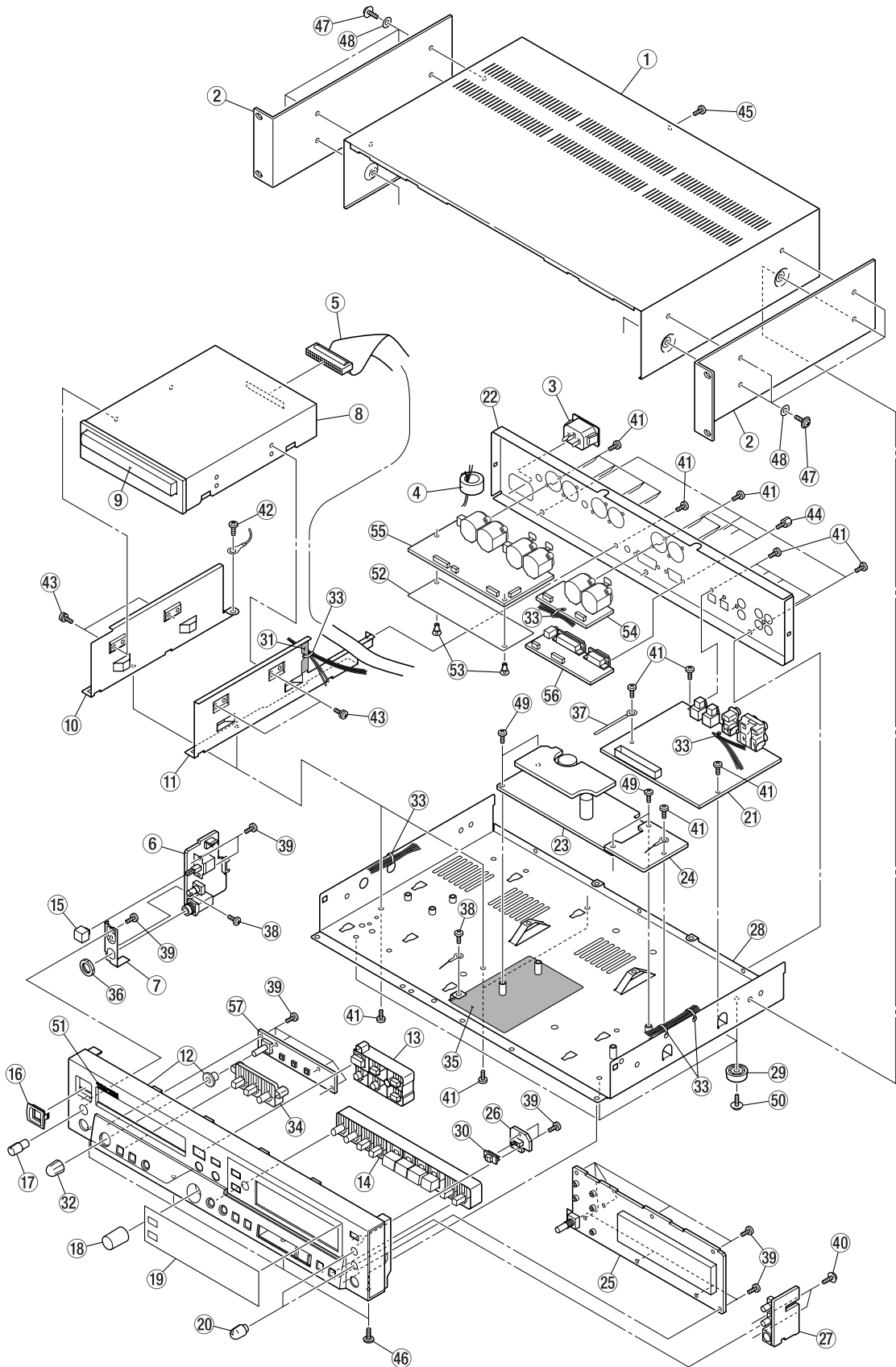
EXPLODED VIEW-1 (CD-RW900)



EXPLODED VIEW-1 (CD-RW900)

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---------|--------------|-----------------------------|---|
| 1- 1 | 3M0058120C | BONNET RW800B G | |
| 1- 2 | 3M0073200E | RACK MOUNT ANGLE, RM5 G | |
| 1- 3 | Y00302400A | AC, INLET ASSY 900 | |
| 1- 4 | 3E010000 | FER. CORE B18T 25X12X15 G | |
| 1- 5 | E00942500B | HARNESS ASSY, 80P 1DE G | |
| 1- 6 | | PCB ASSY, PWR SW RW900..... | GATHER PCB A, RW900(Refer to page 26) |
| 1- 7 | M02259800B | BRACKET, GND(L) 900 G | |
| 1- 8 | M02325000B | DRIVE ASSY, CDRW58DBT00 | |
| | V00141900A | SV DRIVE, CD-W58DBT00 G | |
| | D00908100B | SOFTWARE SPEC, AV W58DBT00 | |
| 1- 9 | M02038120B | PANEL, TRAY 900 G | |
| 1- 10 | M01890000E | BRACKET, DRIVE(L) MCD1 G | |
| 1- 11 | M01890100B | BRACKET, DRIVE(R) MCD1 G | |
| 1- 12 | M02259400E | FRONT PANEL, (VO) 900 G | |
| 1- 13 | M02259600B | BUTTON, OPCLS 900 G | |
| 1- 14 | M02259700B | BUTTON, OPE 900 G | |
| 1- 15 | M01335100A | BUTTON, POWER CDRW402 G | |
| 1- 16 | M01334900A | ESCUTCHEON, POWER CDRW402 G | |
| 1- 17 | M01891300B | KNOB, VOLUME MCD1 G | |
| 1- 18 | 3M0089830A | KNOB D15 JOG N66 RW2K G | |
| 1- 19 | M02259500B | WINDOW, FL 900 G | |
| 1- 20 | M01898806A | KNOB, TRIM N61/N66 G | |
| 1- 21 | E95246000A | PCB ASSY, SYS RW900 | |
| 1- 22 | M02237402A | REAR PANEL, 900 G | |
| 1- 23 | △ E00989200B | SW RGLTD PS, E00011 UL | |
| 1- 23 | △ E00646800B | SW RGLTD PS, E0-0004 EUR | |
| 1- 24 | | PCB ASSY, REG CDR632..... | GATHER PCB A, REG CDR632(Refer to page 29) |
| 1- 25 | E95260400A | PCB ASSY, FRONT RW900..... | GATHER PCB A, FRONT RW900(Refer to page 28) |
| 1- 26 | | PCB ASSY, TPLY RW900..... | GATHER PCB A, RW900(Refer to page 26) |
| 1- 27 | | PCB ASSY, PS2 RW900..... | GATHER PCB A, RW900(Refer to page 26) |
| 1- 28 | 3M0057940A | CHASSIS, MAIN 632 G | |
| 1- 29 | 3M001950 | FOOT, 21MM G | |
| 1- 30 | M01891400A | KNOB, SLIDE WIDE G | |
| 1- 31 | M02321300A | SHEET, HIMELON 900 G | |
| 1- 32 | 3M0102200A | WIRE CLAMP WL450T G | |
| 1- 33 | 3M000870 | CABL BAND, 100MM DS8432G | |
| 1- 34 | 3M024110 | CABLE BAND, 160MM G | |
| 1- 35 | M02295100A | SHEET, BARRIER SWPWR G | |
| 1- 36 | 3M0131000A | NUT, M12X2.3 G | |
| 1- 37 | 3M0182200A | HARNESS CLIP 4.2*7.5*70G | |
| 1- 38 | B00199405A | SCREW, BPB 3*5 FZC G | |
| 1- 39 | B00199008A | SCREW, BPP 3*8 FZC G | |
| 1- 40 | B00208908A | SCREW, PPU 3*8 FZB G | |
| 1- 41 | B00199708A | SCREW, BPB 3*8 FZB G | |
| 1- 42 | B00199508A | SCREW, BPB 4*8 FZC G | |
| 1- 43 | B00207806A | SCREW, BPAA 3*6 FZC G | |
| 1- 44 | B00199708A | SCREW, BPB 3*8 FZB G | |
| 1- 45 | B00170608A | SCREW, VPCR 3*8 FZB G | |
| 1- 46 | B00117800A | SCREW, DPB M3*8 FZC | |
| 1- 47 | B00197612A | SCREW, PPSU 3*12 FZB G | |
| 1- 48 | 3M002020 | FIBER WSHR, 3X8X0.3T BLK | |
| 1- 49 | B00174006A | SCREW, BPA 3*6 FZC G | |
| 1- 50 | B00197806A | SCREW, PPSU 3*6 FZC G | |
| 1- 51 | 3M0134900A | BADGE TASCAM SILVER G | |

EXPLODED VIEW-2 (CD-RW901)



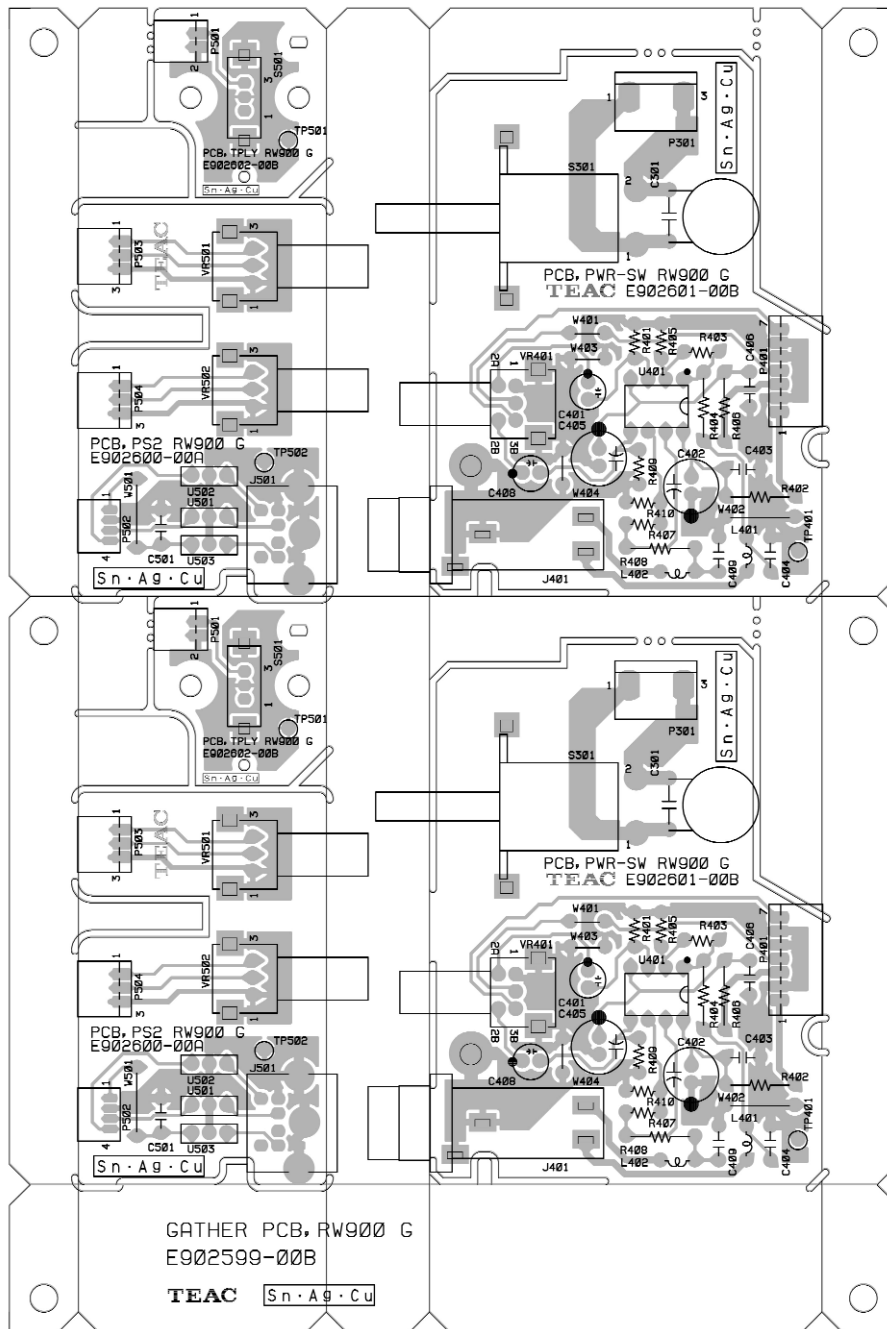
EXPLODED VIEW-2 (CD-RW901)

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---------|--------------|-----------------------------|--|
| 2-1 | 3M0058120C | BONNET RW800B G | |
| 2-2 | 3M0073210E | RACK MOUNT ANGLE,N64 G | |
| 2-3 | Y00302400A | AC,INLET ASSY 900 | |
| 2-4 | 3E010000 | FER.CORE B18T 25X12X15 G | |
| 2-5 | E00942500B | HARNES ASSY,80P 1DE G | |
| 2-6 | | PCB ASSY,PWR-SW RW900 | GATHER PCB A, RW900(Refer to page 26) |
| 2-7 | M02259800B | BRACKET,GND(L) 900 G | |
| 2-8 | M02325000C | DRIVE ASSY,CDW58DB-T00 | |
| 2-9 | M02038120B | PANEL,TRAY 900 G | |
| 2-10 | M01890000G | BRACKET,DRIVE(L) MCD1 G | |
| 2-11 | M01890100B | BRACKET,DRIVE(R) MCD1 G | |
| 2-12 | M02259402B | FRONT PANEL,(VO) 901 G | |
| 2-13 | M02259600B | BUTTON,OPCLS 900 G | |
| 2-14 | M02259700B | BUTTON,OPE 900 G | |
| 2-15 | M01335100A | BUTTON,POWER CD-RW402 G | |
| 2-16 | M01334900A | ESCUTCHEON,POWERCD-RW402G | |
| 2-17 | M01891300B | KNOB,VOLUME MCD1 G | |
| 2-18 | 3M0089830A | KNOB D15 JOG N66 RW2K G | |
| 2-19 | M02259500B | WINDOW,FL 900 G | |
| 2-20 | M01898806A | KNOB,TRIM N61/N66 G | |
| 2-21 | E95246030A | PCB ASSY,SYS RW901 | (Refer to page 27) |
| 2-22 | M02237403B | REAR PANEL,901 G | |
| 2-23 | △ E00646800B | SW RGLTD PS,EO-0004 EUR | |
| 2-23 | △ E00989200B | SW RGLTD PS,EO-0011 UL | |
| 2-24 | | PCB ASSY,REG CDR632..... | GATHER PCB A, REG CDR632(Refer to page 29) |
| 2-25 | E95276100A | PCB ASSY,FRONT RW901 | GATHER PCB A,FRONT RW901(Refer to page 28) |
| 2-26 | | PCB ASSY,TPLY RW900 | GATHER PCB A, RW900(Refer to page 26) |
| 2-27 | | PCB ASSY,PS2 RW900 | GATHER PCB A, RW900(Refer to page 26) |
| 2-28 | 3M0057940A | CHASSIS,MAIN 632 G | |
| 2-29 | 3M001950 | FOOT,21MM G | |
| 2-30 | M01891400A | KNOB,SLIDE WIDE G | |
| 2-31 | M02321300A | SHEET,HIMELON 900 G | |
| 2-32 | M01534710A | KNOB,ENCORDER N66 G | |
| 2-33 | 3M000870 | CABL BAND,100MM DS-8432-G | |
| 2-34 | M02353800A | BUTTON,OPE 901 G | |
| 2-35 | M02295100A | SHEET,BARRIER SWPWR G | |
| 2-36 | 3M0131000A | NUT, M12X2.3 G | |
| 2-37 | 3M0182200A | HAR NESS CLIP 4.2*7.5*70G | |
| 2-38 | B00199405A | SCREW,BPB 3*5 FZC G | |
| 2-39 | B00199008A | SCREW,BPP 3*8 FZC G | |
| 2-40 | B00208908A | SCREW,PPPU 3*8 FZB G | |
| 2-41 | B00199708A | SCREW,BPB 3*8 FZB G | |
| 2-42 | B00199508A | SCREW,BPB 4*8 FZC G | |
| 2-43 | B00207806A | SCREW,BPAA 3*6 FZC G | |
| 2-44 | 3B0013000A | D-SUB SCREW 003-HEX G | |
| 2-45 | B00170608A | SCREW,VPCR 3*8 FZB G | |
| 2-46 | B00117800C | SCREW DPB3*8 FZC G | |
| 2-47 | B00197612A | SCREW,PPSU 3*12 FZB G | |
| 2-48 | 3M002020 | FIBER WSHR,3X8X0.3T BLK | |
| 2-49 | B00174006A | SCREW,BPA 3*6 FZC G | |
| 2-50 | B00197806A | SCREW,PPSU 3*6 FZC G | |
| 2-51 | 3M0134900A | BADGE TASCAM SILVER G | |
| 2-52 | M02441100A | SHEET,SHIELD PCB 901 G | |
| 2-53 | 3M0192400A | PUSH RIVET P3545 G | |
| 2-54 | | PCB ASSY,AES RW901 | |
| 2-55 | | PCB ASSY,BAL RW901 | GATHER PCB A,REAR RW901(Refer to page 29) |
| 2-56 | | PCB ASSY,CONT RW901 | GATHER PCB A,REAR RW901(Refer to page 29) |
| 2-57 | | PCB ASSY,KEY RW901 | GATHER PCB A,REAR RW901(Refer to page 29) |

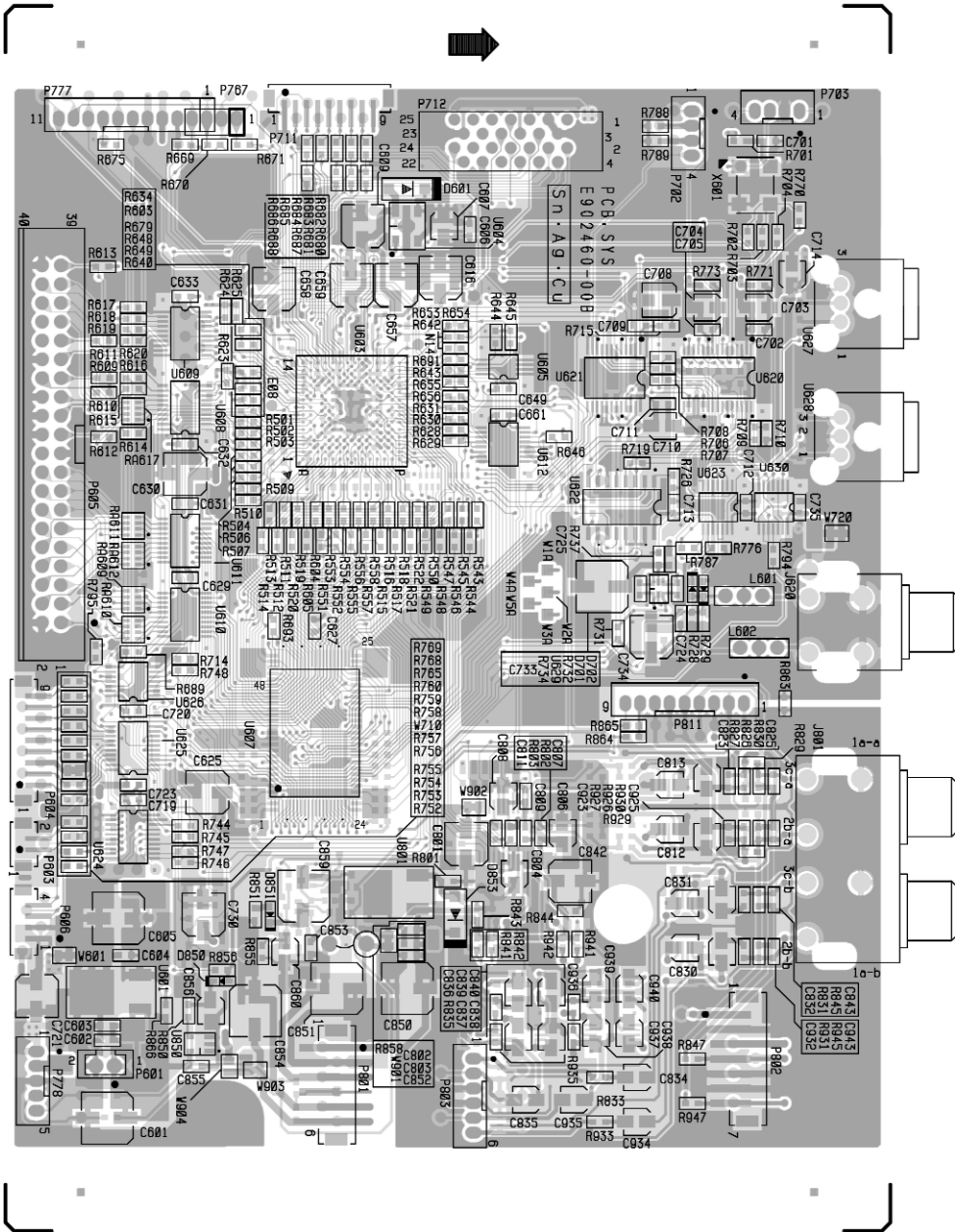
8. PC BOARDS AND PARTS LIST

基板図とパーツリスト

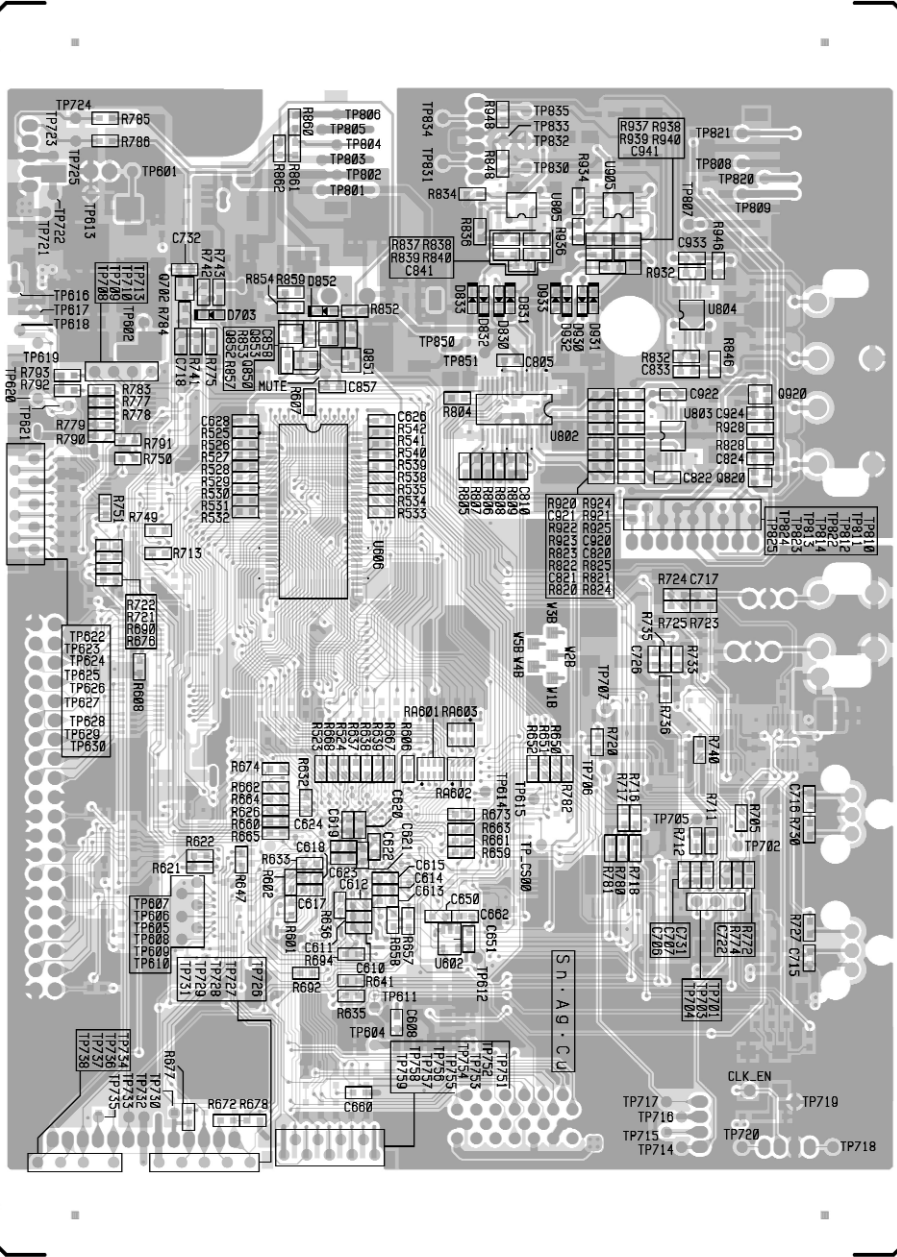
GATHER PCBA RW900 (Common)



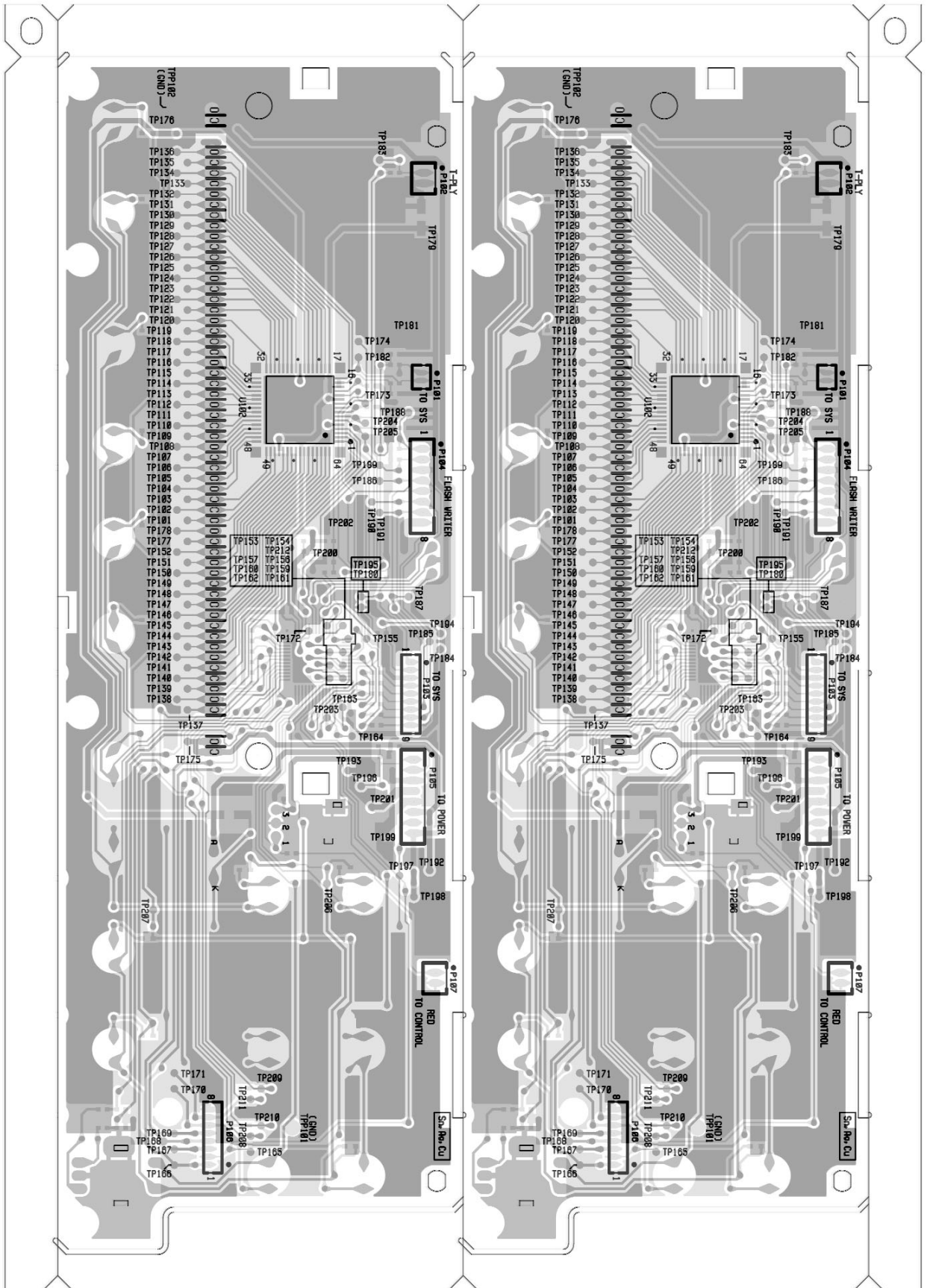
PCB ASSY, SYS RW900 & PCB ASSY, SYS RW901 (SIDE A)



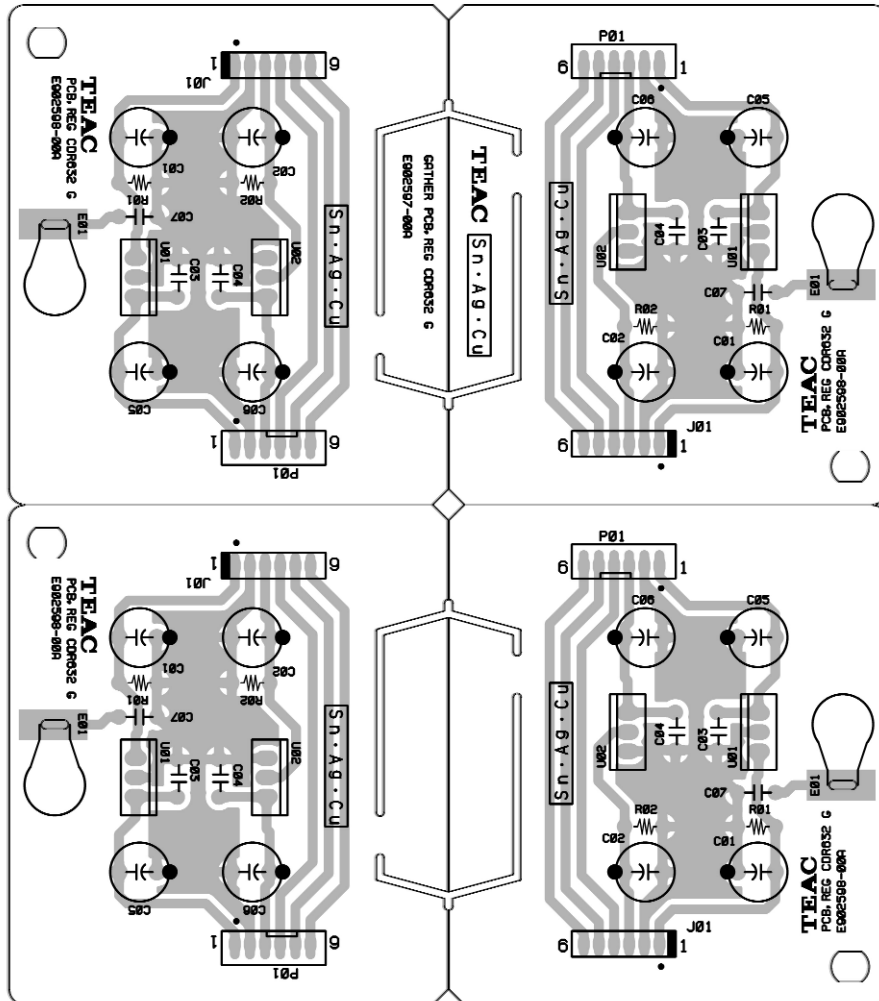
PCB ASSY, SYS RW900 & PCB ASSY, SYS RW901 (SIDE B)



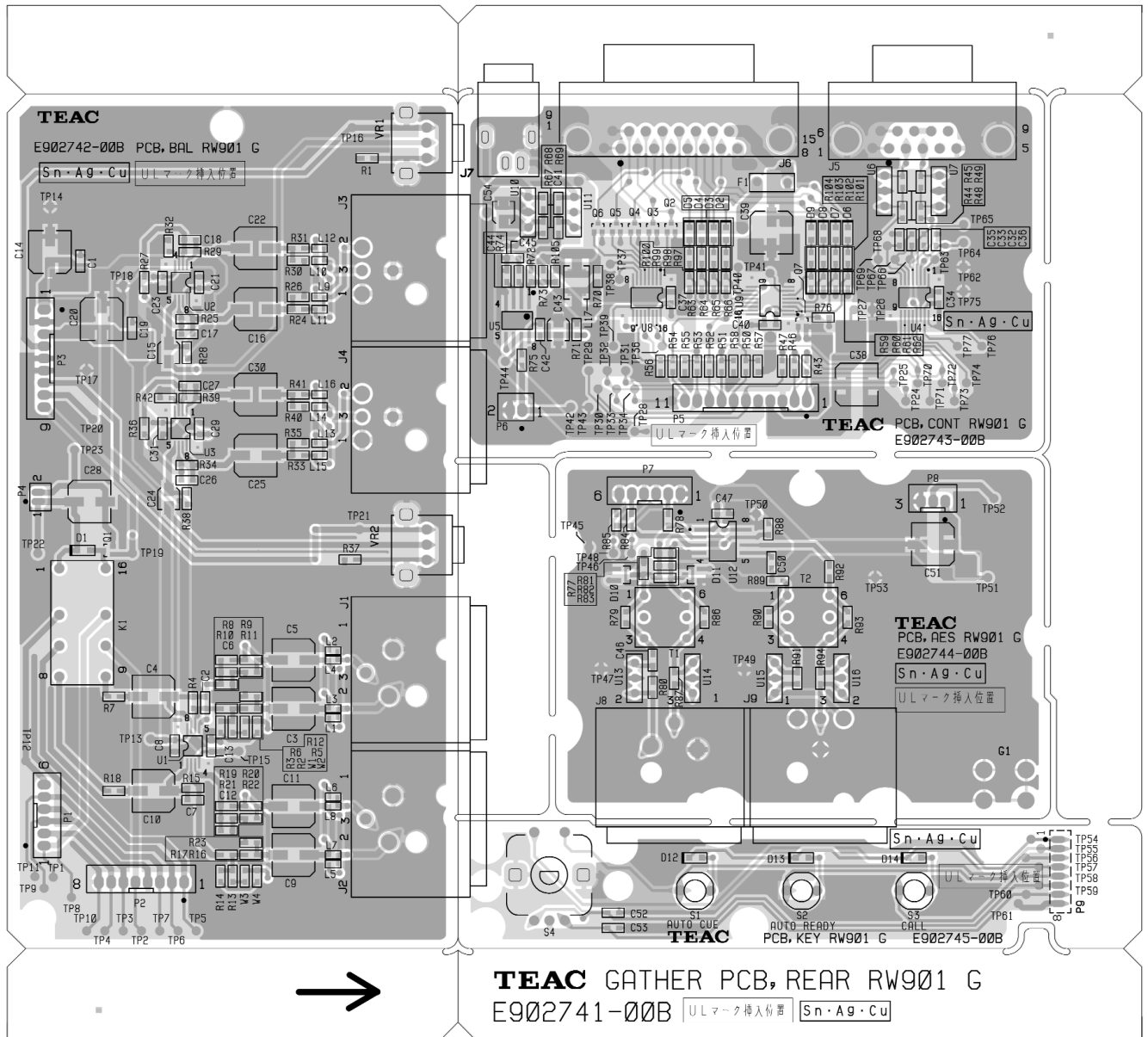
GATHER PCBA, FRONT RW900 & GATHER PCBA, FRONT RW901 (SIDE B)



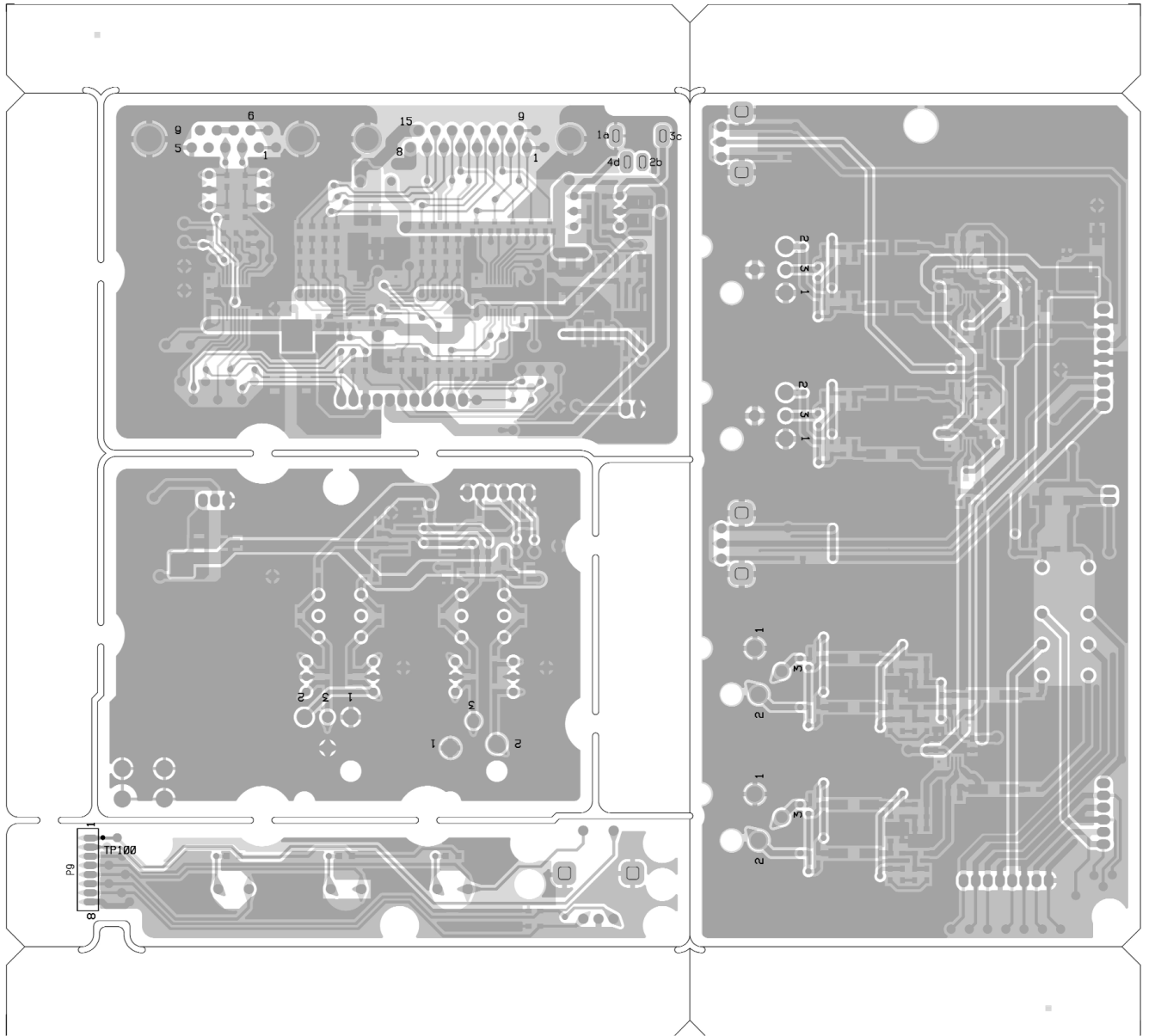
GATHER PCBA, REG CDR632



GATHER PCBA, REAR RW901 (SIDE A)



GATHER PCBA, REAR RW901 (SIDE B)



GATHER PCBA,RW900 (Common)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|-------------|---------------------------|
| | E95259900A | GATHER PCBA,RW900 |
| | | PCB ASSY,PS2 RW900 |
| J501 | 3E038220 | CONNECT,DIN 1201065M G |
| P502 | 3E036460G | CONNECTOR,S 4BZR(LF) G |
| P503 | 3E001290G | CONNE PLUG S3BPHKS(LF)G |
| P504 | 3E005950G | CONNEC PLU S3BPHK RE(LF)G |
| TP502 | E01139800A | HARN ASSY,RUG1 CDR632 G |
| U501 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| U502 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| U503 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| VR501 | 3R005570 | VAR RES,RK09K11110KA G |
| VR502 | 3R005570 | VAR RES,RK09K11110KA G |
| | | PCB ASSY,PWRSW RW900 |
| C301 | △ 3E004300 | S.KILLER,CS12F2GA472MY G |
| C301 | M0203540 | COVER 85104023 |
| J401 | 3E039430 | JACK,065M WITH EARTH G |
| L401 | 3E011800 | COIL,1.0 UH K G |
| L402 | 3E011800 | COIL,1.0 UH K G |
| P301 | △ 3E025820G | CONNECT,B2P3VH 2P(LF) G |
| P401 | 3E001330G | CONNE PLUG S7BPHKS(LF)G |
| S301 | △ 3E037220 | SW,SDKLA11000 G |
| U401 | 3S001700G | IC,NJM4580D#ZZZB G |
| VR401 | 3R005560 | VAR RES,RK09K12A20KA G |
| | | PCB ASSY,TPLY RW900 |
| P501 | 3E001280G | CONNE PLUG S2BPHKS(LF)G |
| S501 | 3E007380 | SW,SLIDE SSSS9 12 G |

PCB ASSY,SYS RW900 (CD-RW900)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| | E95246000A | PCB ASSY,SYS RW900 |
| | | PCB ASSY,SYS RW900 |
| D701 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D702 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D703 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D830 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D831 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D832 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D833 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D850 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D851 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D930 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D931 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D932 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D933 | 3S002984 | DIODE,1SS355 TE17 TP G |
| J620 | 3E017600 | JACK,RJ1060A310341A G |
| J801 | 3E010590 | JACK,RJ1073B090320A G |
| L601 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| L602 | 3S034740 | FILTER,DSS6NB32A471Q91A G |
| P601 | 3E001140G | CONNE PLUG2P B2BEHA(LF)G |
| P603 | E0102314 | CONNECTOR,B 2BZRS4(LF) |

PCB ASSY,SYS RW900 (CD-RW900)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| P604 | 3E008130G | CONNEC,B9BZRS4TF(LF) G |
| P605 | 3E015110 | CONNECT,40P 3675P40VUAG G |
| P606 | 3E037134G | CONNEC,B4BZRS4TF(LF)G |
| P801 | 3E007880G | CONNEC,B6BPHSM4TB(LF)G |
| P802 | 3E007890G | CONNEC,B7BPHSM4TB(LF)G |
| P803 | 3E003850G | CONNE,PLU B6BPH RED(LF)G |
| Q702 | 3S002994 | TR,DTC124EUA T106 TP G |
| Q820 | 3S032504G | TR,2SC4213B(TE85L,F) G |
| Q850 | 3S002994 | TR,DTC124EUA T106 TP G |
| Q851 | 3S002994 | TR,DTC124EUA T106 TP G |
| Q852 | S0041574 | TRANSISTER,DTA124EUA G |
| Q853 | 3S002994 | TR,DTC124EUA T106 TP G |
| Q920 | 3S032504G | TR,2SC4213B(TE85L,F) G |
| RA601 | 3R010174 | R,ARRAY 470HM*4 0603 G |
| RA602 | 3R010174 | R,ARRAY 470HM*4 0603 G |
| RA603 | 3R010184 | R,ARRAY 4.7KOHM*4 0603 G |
| RA609 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA610 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA611 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA612 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA617 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| U601 | 3S002974 | ICBA033FPE2SMT,TAPING G |
| U602 | 3S035724 | IC,BD46285G G |
| U603 | S0060143 | IC,SCF5249VM140 |
| U604 | 3S035714G | IC,PQ1M185M2SPH G |
| U605 | 3S006424 | IC,BR24C04FVWE2 G |
| U606 | 3S009444G | IC,M12L64164A7T G |
| U607 | S00606900C | IC,ROM ASSY SYS RW900 |
| U607 | S0059093 | IC,S29AL008D70TFI020 G |
| U607 | D00892400C | SOFTWARE SPEC,SYS RW900 |
| U608 | 3S032454G | IC,SN74LV541APWR G |
| U609 | 3S032454G | IC,SN74LV541APWR G |
| U610 | S0046814G | IC,SN74LV245APWR G |
| U611 | S0046814G | IC,SN74LV245APWR G |
| U612 | 3S032474G | IC,SN74LV138APWR G |
| U620 | 3S037044 | IC,AK4113VF G |
| U621 | 3S037054 | IC,AK4121VF G |
| U622 | 3S035014G | IC,SN74LV157ANSNG |
| U623 | 3S032494G | IC,SN74LV04APWR G |
| U624 | 3S032454G | IC,SN74LV541APWR G |
| U625 | S0037164 | IC,TC74VHCT541AFT(EL) G |
| U626 | 3S035094G | IC,SN74LV125APWR G |
| U627 | 3S035390G | IC,GP1FA513TZOF G |
| U628 | 3S035750G | IC,GP1FA513RZOF G |
| U629 | 3S033744G | IC,SN74LVC2GU04DCKR G |
| U630 | 3S008994G | IC,SN74LV00APWR G |
| U801 | 3S005464 | IC,BA05FPE2 G |
| U802 | 3S007394G | IC,AK4528VF G |
| U803 | 3S004894G | IC NJM4580VTE2#ZZZB G |
| U804 | 3S004894G | IC NJM4580VTE2#ZZZB G |
| U805 | 3S004894G | IC NJM4580VTE2#ZZZB G |
| U850 | 3S035724 | IC,BD46285G G |
| U905 | 3S004894G | IC NJM4580VTE2#ZZZB G |
| X601 | 3E038164 | X`TAL MIN35AT22.5792MHZ |

PCB ASSY, SYS RW901 (CD-RW901)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|----------------------------|
| | E95246030A | PCB ASSY,SYS RW901 |
| D701 | S0022094 | DIODE,1SS355 |
| D702 | S0022094 | DIODE,1SS355 |
| D703 | S0022094 | DIODE,1SS355 |
| D830 | S0022094 | DIODE,1SS355 |
| D831 | S0022094 | DIODE,1SS355 |
| D832 | S0022094 | DIODE,1SS355 |
| D833 | S0022094 | DIODE,1SS355 |
| D850 | S0022094 | DIODE,1SS355 |
| D851 | S0022094 | DIODE,1SS355 |
| D930 | S0022094 | DIODE,1SS355 |
| D931 | S0022094 | DIODE,1SS355 |
| D932 | S0022094 | DIODE,1SS355 |
| D933 | S0022094 | DIODE,1SS355 |
| J620 | E0123160 | JACK,RJ-1060A-31-0341A G |
| J801 | E0123140 | JACK,RJ-1073B-09-0320A G |
| L601 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| L602 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| P601 | E0102430 | CONNECTOR,B2B-EH(LF)(SN) G |
| P603 | E0102314 | CONNECTOR,B 2B-ZR-SM4(LF) |
| P604 | E0102384 | CONN,B 9B-ZR-SM4(LF)(SN) G |
| P605 | E0123220 | CONNECTOR,3675P40VUAO G |
| P606 | E0102334 | CONN,B 4B-ZR-SM4(LF)(SN) G |
| P702 | E0119750 | CONNECTOR,B 4B-PH-K-S G |
| P711 | E0102384 | CONN,B 9B-ZR-SM4(LF)(SN) G |
| P777 | E0119820 | CONNECTOR,B11B-PH-K-S G |
| P778 | E0119760 | CONNECTOR,B 5B-PH-K-S G |
| P801 | E0101954 | CONNECTOR,B6B-PH-SM4(LF) G |
| P802 | E0101964 | CONNECTOR,B7B-PH-SM4(LF) G |
| P803 | E0119920 | CONNECTOR,B 6B-PH-K-R G |
| P811 | E0119800 | CONNECTOR,B 9B-PH-K-S G |
| Q702 | S0065074 | TRANSISTOR,DTC124EUA TP G |
| Q820 | S0067484 | TRANSISTOR,2SC4213B TP G |
| Q850 | S0065074 | TRANSISTOR,DTC124EUA TP G |
| Q851 | S0065074 | TRANSISTOR,DTC124EUA TP G |
| Q852 | S0041574 | TRANSISTER,DTA124EUA G |
| Q853 | S0065074 | TRANSISTOR,DTC124EUA TP G |
| Q920 | S0067484 | TRANSISTOR,2SC4213B TP G |
| RA601 | R0157474 | RES ARRAY,47 OHM*40603G |
| RA602 | R0157474 | RES ARRAY,47 OHM*40603G |
| RA603 | R0157484 | RES ARRAY,4.7K OHM*40603G |
| RA609 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA610 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA611 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA612 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| RA617 | R0017404 | RES ARRAY,1/16W 4*33 J G |
| U601 | S0064984 | IC,BA033FP-E2SMT TAPING G |
| U602 | S0065024 | IC,BD46285G G |
| U603 | S0060143 | IC,SCF5249VM140 |
| U604 | S0063964 | IC,PQ1M185M2SPQ G |
| U605 | S0064994 | IC,BR24C04FVW-E2 G |

PCB ASSY, SYS RW901 (CD-RW901)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|----------------------------|
| U606 | S0055053 | IC,M12L64164A-7T-G |
| U607 | S00653400A | IC,ROM ASSY SYS RW901 |
| U607 | D00935800A | SOFTWARE SPEC,SYS RW901 |
| U607 | S0059093 | IC,S29AL008D70TFI020 G |
| U608 | S0046854 | IC,SN74LV541APWR G |
| U609 | S0046854 | IC,SN74LV541APWR G |
| U610 | S0046814 | IC,SN74LV245APWR G |
| U611 | S0046814 | IC,SN74LV245APWR G |
| U612 | S0051154 | IC,SN74LV138APW G |
| U620 | S0063974 | IC,AK4113VF G |
| U621 | S0063984 | IC,AK4121VF G |
| U622 | S0048794 | IC,SN74LV157ANSR G |
| U623 | S0037894 | IC,SN74LV04APWR G |
| U624 | S0046854 | IC,SN74LV541APWR G |
| U625 | S0037164 | IC,TC74VHCT541AFT(EL) G |
| U626 | S0065004 | IC,SN74LV125APWR G |
| U627 | E0110220 | OPT CONN,GP1FA513TZOF GZX |
| U628 | E0094880 | OPT CONN,GP1FA513RZ GZO |
| U629 | S0065014 | IC,SN74LVC2GU04DCKR G |
| U630 | S0020444 | IC,SN74LV00APWR G |
| U801 | S0047403 | IC,BA05FP G |
| U802 | S0063994 | IC,AK4528VF G |
| U803 | S0064634 | IC,NJM4580V-TE2 G |
| U804 | S0064634 | IC,NJM4580V-TE2 G |
| U805 | S0064634 | IC,NJM4580V-TE2 G |
| U850 | S0065024 | IC,BD46285G G |
| U905 | S0064634 | IC,NJM4580V-TE2 G |
| X601 | E0122794 | RESONATOR,MIN35AT22.5792 G |

GATHER PCBA, FRONT RW900 (CD-RW900)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| | E95260300A | GATHER PCBA,FRONT RW900 |
| | | PCB ASSY,FRONT RW900 |
| D101 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D102 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D103 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D104 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D105 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D106 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D107 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D108 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D109 | 3S001891 | ZDI, MTZJ6.2B T77 G |
| D110 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D111 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D112 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D113 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D114 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D115 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D116 | 3S002984 | DIODE,1SS355 TE17 TP G |
| D117 | 3S002984 | DIODE,1SS355 TE17 TP G |
| FL100 | E00941400B | ELCTR N DSPL,HNA16MM51T G |
| P101 | 3E007950G | CONNECTOR ,B 2BZR(LF) G |
| P102 | 3E010340G | CONNEC PLUG B2BPHKS(LF)G |
| P103 | 3E008020G | CONNECTOR ,B 9BZR(LF) G |
| P104 | 3E003870G | CONNNE,PLU B8BPH RED(LF)G |
| P105 | 3E010400G | CONNEC PLUG B8BPHKS(LF)G |
| S101 | 3E018680 | SW,TACT SKQNAE D010 G |
| S102 | 3E018680 | SW,TACT SKQNAE D010 G |
| S103 | 3E018680 | SW,TACT SKQNAE D010 G |
| S104 | 3E018680 | SW,TACT SKQNAE D010 G |
| S105 | 3E018680 | SW,TACT SKQNAE D010 G |
| S106 | 3E018680 | SW,TACT SKQNAE D010 G |
| S107 | 3E018680 | SW,TACT SKQNAE D010 G |
| S108 | 3E018680 | SW,TACT SKQNAE D010 G |
| S109 | 3E018680 | SW,TACT SKQNAE D010 G |
| S110 | 3E018680 | SW,TACT SKQNAE D010 G |
| S111 | 3E018680 | SW,TACT SKQNAE D010 G |
| S112 | 3E018680 | SW,TACT SKQNAE D010 G |
| S113 | 3E018680 | SW,TACT SKQNAE D010 G |
| S114 | 3E018680 | SW,TACT SKQNAE D010 G |
| S115 | 3E018680 | SW,TACT SKQNAE D010 G |
| S116 | 3E018680 | SW,TACT SKQNAE D010 G |
| S117 | 3E007320 | SW,ENCODER EC11B15244 G |
| TPP101 | E01139900A | HARN ASSY,RUG2 CDR632 G |
| TPP102 | E01139800A | HARN ASSY,RUG1 CDR632 G |
| U101 | S00609200A | IC,MPU ASSY RW900 |
| U101 | 3S037603 | IC,UPD78F0123HGB8ETA G |
| U101 | D00891700A | SOFT WARE SPEC,FL RW900 |
| U102 | 3S037023 | IC,M660050001AHP G |
| U103 | 3S009610 | REMOCON,SENSO RPM7138H4 G |
| X101 | 3E011740G | RESONATOR,CSTLS10M0G53A0G |
| | M01270300A | CUSHION,UP 8X8X11 G |
| | M01891700A | HOLDER,FL MCD1 G |

GATHER PCBA, FRONT RW901 (CD-RW901)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| | E95276100A | GATHER PCBA,FRONT RW901 |
| | | PCB ASSY,FRONT RW901 |
| D101 | S0022094 | DIODE,1SS355 |
| D102 | S0022094 | DIODE,1SS355 |
| D103 | S0022094 | DIODE,1SS355 |
| D104 | S0022094 | DIODE,1SS355 |
| D105 | S0022094 | DIODE,1SS355 |
| D106 | S0022094 | DIODE,1SS355 |
| D107 | S0022094 | DIODE,1SS355 |
| D108 | S0022094 | DIODE,1SS355 |
| D110 | S0022094 | DIODE,1SS355 |
| D111 | S0022094 | DIODE,1SS355 |
| D112 | S0022094 | DIODE,1SS355 |
| D113 | S0022094 | DIODE,1SS355 |
| D114 | S0022094 | DIODE,1SS355 |
| D115 | S0022094 | DIODE,1SS355 |
| D116 | S0022094 | DIODE,1SS355 |
| D117 | S0022094 | DIODE,1SS355 |
| FL100 | E00941400B | ELCTR N DSPL,HNA16MM51T G |
| P101 | E0102190 | CONNECTOR,B 2B-ZR(LF) G |
| P102 | E0119730 | CONNECTOR,B 2B-PH-K-S G |
| P103 | E0102260 | CONNECTOR,B 9B-ZR(LF) G |
| P104 | E0119940 | CONNECTOR,B 8B-PH-K-R G |
| P105 | E0119790 | CONNECTOR,B 8B-PH-K-S G |
| P106 | E0102250 | CONNECTOR,B 8B-ZR(LF) G |
| P107 | E0119880 | CONNECTOR,B 2B-PH-K-R G |
| S101 | E0123170 | SW,TACT SKQNAE D010 G |
| S102 | E0123170 | SW,TACT SKQNAE D010 G |
| S103 | E0123170 | SW,TACT SKQNAE D010 G |
| S104 | E0123170 | SW,TACT SKQNAE D010 G |
| S105 | E0123170 | SW,TACT SKQNAE D010 G |
| S106 | E0123170 | SW,TACT SKQNAE D010 G |
| S107 | E0123170 | SW,TACT SKQNAE D010 G |
| S108 | E0123170 | SW,TACT SKQNAE D010 G |
| S109 | E0123170 | SW,TACT SKQNAE D010 G |
| S110 | E0123170 | SW,TACT SKQNAE D010 G |
| S111 | E0123170 | SW,TACT SKQNAE D010 G |
| S112 | E0123170 | SW,TACT SKQNAE D010 G |
| S113 | E0123170 | SW,TACT SKQNAE D010 G |
| S114 | E0123170 | SW,TACT SKQNAE D010 G |
| S115 | E0123170 | SW,TACT SKQNAE D010 G |
| S116 | E0123170 | SW,TACT SKQNAE D010 G |
| S117 | E0122620 | ENCODER,EC11B15244 G |
| TPP101 | E01139900A | HARN ASSY,RUG2 CDR632 G |
| TPP102 | E01139800A | HARN ASSY,RUG1 CDR632 G |
| U01 | S0065033 | IC,UPD78F0123HGB-8ET-A G |
| U01 | D00891700A | SOFT WARE SPEC,FL RW900 |
| U101 | S00653100A | IC,MPU ASSY RW901 |
| U102 | S0059683 | IC,M66005-0001AHP GX0 |
| X101 | E0122800 | RESONATOR,CSTLS10M0G53 G |
| X101 | M01270300B | CUSHION,UP 8X8X11 G |
| | M01891700A | HOLDER,FL MCD1 G |

GATHER PCBA, REG CDR632 (Common)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|--------------------------|
| | E95259700A | GATHER PCBA,REG CDR632 |
| | | PCB ASSY,REG CDR632 |
| E01 | 3E0215200A | EARTH PLATE B GND8 G |
| J01 | E01123700A | HARN ASSY,PWREG CDR632 G |
| P01 | 3E010380G | CONNEC PLUG B6BPHKS(LF)G |
| U01 | 3S002180G | IC,NJM7808FA#ZZZSB G |
| U02 | 3S002360G | IC, NJM7908FA#ZZZB G |

PWR SPLY SECT, 900 (Common)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|--------------|-----------------------------------|
| | △ E00646800B | SW RGLTD PS,E00004 EUR [E,A,UK,K] |
| | △ E00989200B | SW RGLTD PS,E00011 UL [J.US/C] |

GATHER PCBA,REAR RW901 (CD-RW901)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| | E95274100A | GATHER PCBA,REAR RW901 |
| | | PCB,BAL RW901 G |
| | | PCB,CONT RW901 G |
| | | PCB,AES RW901 G |
| | | PCB,KEY RW901 G |
| | | PCB ASSY,BAL RW901 |
| D1 | S0022094 | DIODE,1SS355 |
| J1 | E0048070 | JACK,NC3FAH1(XLR/LOCK) G |
| J2 | E0048070 | JACK,NC3FAH1(XLR/LOCK) G |
| J3 | E0035610 | JACK,NC3MAH(XLR) G |
| J4 | E0035610 | JACK,NC3MAH(XLR) G |
| K1 | E0123180 | RELAY,RSB-12-S G |
| L11 | E0123194 | BEAD COIL,1200HM SMD0603G |
| L12 | E0123194 | BEAD COIL,1200HM SMD0603G |
| L15 | E0123194 | BEAD COIL,1200HM SMD0603G |
| L16 | E0123194 | BEAD COIL,1200HM SMD0603G |
| L3 | E0123194 | BEAD COIL,1200HM SMD0603G |
| L4 | E0123194 | BEAD COIL,1200HM SMD0603G |
| L7 | E0123194 | BEAD COIL,1200HM SMD0603G |
| L8 | E0123194 | BEAD COIL,1200HM SMD0603G |
| P1 | E0119770 | CONNECTOR,B 6B-PH-K-S G |
| P2 | E0119790 | CONNECTOR,B 8B-PH-K-S G |
| P3 | E0119800 | CONNECTOR,B 9B-PH-K-S G |
| P4 | E0102190 | CONNECTOR,B 2B-ZR(LF) G |
| Q1 | S0029814 | TRANSISTOR,DTC123EUA G |
| U1 | S0064634 | IC,NJM4580V-TE2 G |
| U2 | S0064634 | IC,NJM4580V-TE2 G |
| U3 | S0064634 | IC,NJM4580V-TE2 G |
| VR1 | R0164340 | VAR RES,RK09K1110-20KB G |
| VR2 | R0164340 | VAR RES,RK09K1110-20KB G |
| | | PCB ASSY,CONT RW901 |
| D2 | S0022094 | DIODE,1SS355 |
| D3 | S0022094 | DIODE,1SS355 |
| D4 | S0022094 | DIODE,1SS355 |
| D5 | S0022094 | DIODE,1SS355 |
| D6 | S0022094 | DIODE,1SS355 |
| D7 | S0022094 | DIODE,1SS355 |
| D8 | S0022094 | DIODE,1SS355 |
| D9 | S0022094 | DIODE,1SS355 |
| F1 | E0039030G | CKT PTCT,RXEF017 G |
| J5 | E0123230 | D-SUB,5504F1-09S-02-03 G |
| J6 | E0031950 | CONNECTOR,D-SUB 15P PLUG |
| J7 | E0123130 | JACK,MINI JY3550-01-030 G |
| P5 | E0119820 | CONNECTOR,B11B-PH-K-S G |
| P6 | E0119880 | CONNECTOR,B 2B-PH-K-R G |
| Q2 | S0029814 | TRANSISTOR,DTC123EUA G |
| Q3 | S0029814 | TRANSISTOR,DTC123EUA G |
| Q4 | S0029814 | TRANSISTOR,DTC123EUA G |
| Q5 | S0029814 | TRANSISTOR,DTC123EUA G |
| Q6 | S0029814 | TRANSISTOR,DTC123EUA G |

GATHER PCBA,REAR RW901 (CD-RW901)

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|---------------------------|
| Q7 | S0029814 | TRANSISTOR,DTC123EUA G |
| U4 | S0063924 | IC,MAX3221CPWR G |
| U5 | S0068744 | IC,CXA1511M-T4 G |
| U6 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| U7 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| U8 | S0065394 | IC,SN74LV595APWR G |
| U9 | S0065384 | IC,SN74LV165APWR G |
| U10 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| U11 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| | | PCB ASSY,AES RW901 |
| D10 | S0023224 | DIODE,DAN217 T146 G |
| D11 | S0023224 | DIODE,DAN217 T146 G |
| J8 | E0048070 | JACK,NC3FAH1(XLR/LOCK) G |
| J9 | E0035610 | JACK,NC3MAH(XLR) G |
| P7 | E0119770 | CONNECTOR,B 6B-PH-K-S G |
| P8 | E0119740 | CONNECTOR,B 3B-PH-K-S G |
| T1 | E00595800B | TRANS,PULSE400UH GZ0 |
| T2 | E00595800B | TRANS,PULSE400UH GZ0 |
| U12 | S0063934 | IC,SN75179BPS G |
| U13 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| U14 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| U15 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| U16 | E0122640 | FILTER,DSS6NB32A471Q91A G |
| | | PCB ASSY,KEY RW901 |
| D12 | S0022094 | DIODE,1SS355 |
| D13 | S0022094 | DIODE,1SS355 |
| D14 | S0022094 | DIODE,1SS355 |
| P9 | E0102250 | CONNECTOR,B 8B-ZR(LF) G |
| S1 | E0123170 | SW,TACT SKQNAE D010 G |
| S2 | E0123170 | SW,TACT SKQNAE D010 G |
| S3 | E0123170 | SW,TACT SKQNAE D010 G |
| S4 | E0062050 | ENCODER,EC12E24244 G |

WIRE SECT,900 ASSY

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|--------------------------|
| | E01122900B | HARN ASSY,ATAPW RW900 G |
| | E01100700A | HARN ASSY,ANAPW CDR632 G |
| | E01100800A | HARN ASSY,PWR5V CDR632 G |
| | E01123000A | HARN ASSY,FLPWR RW900 G |
| | E01123100A | HARN ASSY,KEY RW900 G |
| | E01123200A | HARN ASSY,PS2 RW900 G |
| | E01123300A | HARN ASSY,KBBDT RW900 G |
| | E01123400A | HARN ASSY,TPLY RW900 G |
| | E01123500A | HARN ASSY,INVOL RW900 G |
| | E01123600B | HARN ASSY,PHONE RW900 G |
| | E00942500B | HARN ASSY,80P 1DE G |

WIRE SECT,901 ASSY

| REF.NO. | PARTS NO. | DESCRIPTION |
|---------|------------|--------------------------|
| | E01100700A | HARN ASSY,ANAPW CDR632 G |
| | E01100800A | HARN ASSY,PWR5V CDR632 G |
| | E01123000A | HARN ASSY,FLPWR RW900 G |
| | E01123100A | HARN ASSY,KEY RW900 G |
| | E01123200A | HARN ASSY,PS2 RW900 G |
| | E01123300A | HARN ASSY,KBBDT RW900 G |
| | E01123400A | HARN ASSY,TPLY RW900 G |
| | E01123600B | HARN ASSY,PHONE RW900 G |
| | E00942500B | HARN ASSY,80P 1DE G |
| | E01220000A | HARN ASSY,SBKEY RW901 G |
| | E01220100A | HARN ASSY,AESPW RW901 G |
| | E01220200A | HARN ASSY,AES RW901 G |
| | E01220300A | HARN ASSY,CONT RW901 G |
| | E01220400A | HARN ASSY,CONTP RW901 G |
| | E01220500A | HARN ASSY,RELAY RW901 G |
| | E01220600A | HARN ASSY,BALPW RW901 G |
| | E01220700A | HARN ASSY,BAL RW901 G |
| | E01230000C | HARN ASSY,ATAPW RW901 G |
| | E01220800A | HARN ASSY,VOL RW901 G |

9. INCLUDED ACCESSORIES

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INCLUDED ACCESSORIES (CD-RW900)

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---------|------------|---------------------------------|---------|
| | D00892601A | OWNERS MNL,(J) 900 G [J] | |
| | D00892620A | OWNERS MNL,(E) 900 G [EXCEPT J] | |
| | D00892680A | OWNERS MNL,(G) 900 G [E] | |
| | D00892681A | OWNERS MNL,(F) 900 G [E] | |
| | D00892682A | OWNERS MNL,(I) 900 G [E] | |
| | D00892683A | OWNERS MNL,(S) 900 G [E] | |
| | 3M0028300A | ASSY,RACK MOUNT SCREW KIT | |
| | 3E014140 | POWER CORD,DM-G [J] | |
| | 3E014150 | POWER CORD,UL-G [US/C] | |
| | 3E014160 | POWER CORD,EUR-G [E.K] | |
| | 3E014170 | POWER CORD,UK [UK] | |
| | 3E014180 | POWER CORD,AUS [A] | |
| | E01123800A | RMT CONT,UNIT RC900 G | |
| | 3E002220 | BATTERY,UM4(ENGLISH) G | |

INCLUDED ACCESSORIES (CD-RW901)

| REF.NO. | PARTS NO. | DESCRIPTION | REMARKS |
|---------|------------|---------------------------------|---------|
| | D00910901A | OWNERS MNL,(J) 901 G [J] | |
| | D00910920A | OWNERS MNL,(E) 901 G [EXCEPT J] | |
| | D00910980A | OWNERS MNL,(G) 901 G [E] | |
| | D00910981A | OWNERS MNL,(F) 901 G [E] | |
| | D00910981A | OWNERS MNL,(F) 901 G [E] | |
| | D00910982A | OWNERS MNL,(I) 901 G [E] | |
| | D00910983A | OWNERS MNL,(S) 901 G [E] | |
| | 3M0028300A | ASSY,RACK MOUNT SCREW KIT | |
| | 3E014140 | POWER CORD,DM-G [J] | |
| | 3E014150 | POWER CORD,UL-G [US/C] | |
| | 3E014160 | POWER CORD,EUR-G [E.K] | |
| | 3E014170 | POWER CORD,UK [UK] | |
| | 3E014180 | POWER CORD,AUS [A] | |
| | E01217900A | RMT CONT,UNIT RC901 G | |

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with * require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- △ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [] mark can be used only with the version designated.
[J]: JAPAN [US/C]: U.S.A./CANADA [K]: KOREA [E]: EUROPE
[UK]: U.K. [A]: AUSTRALIA

注 意

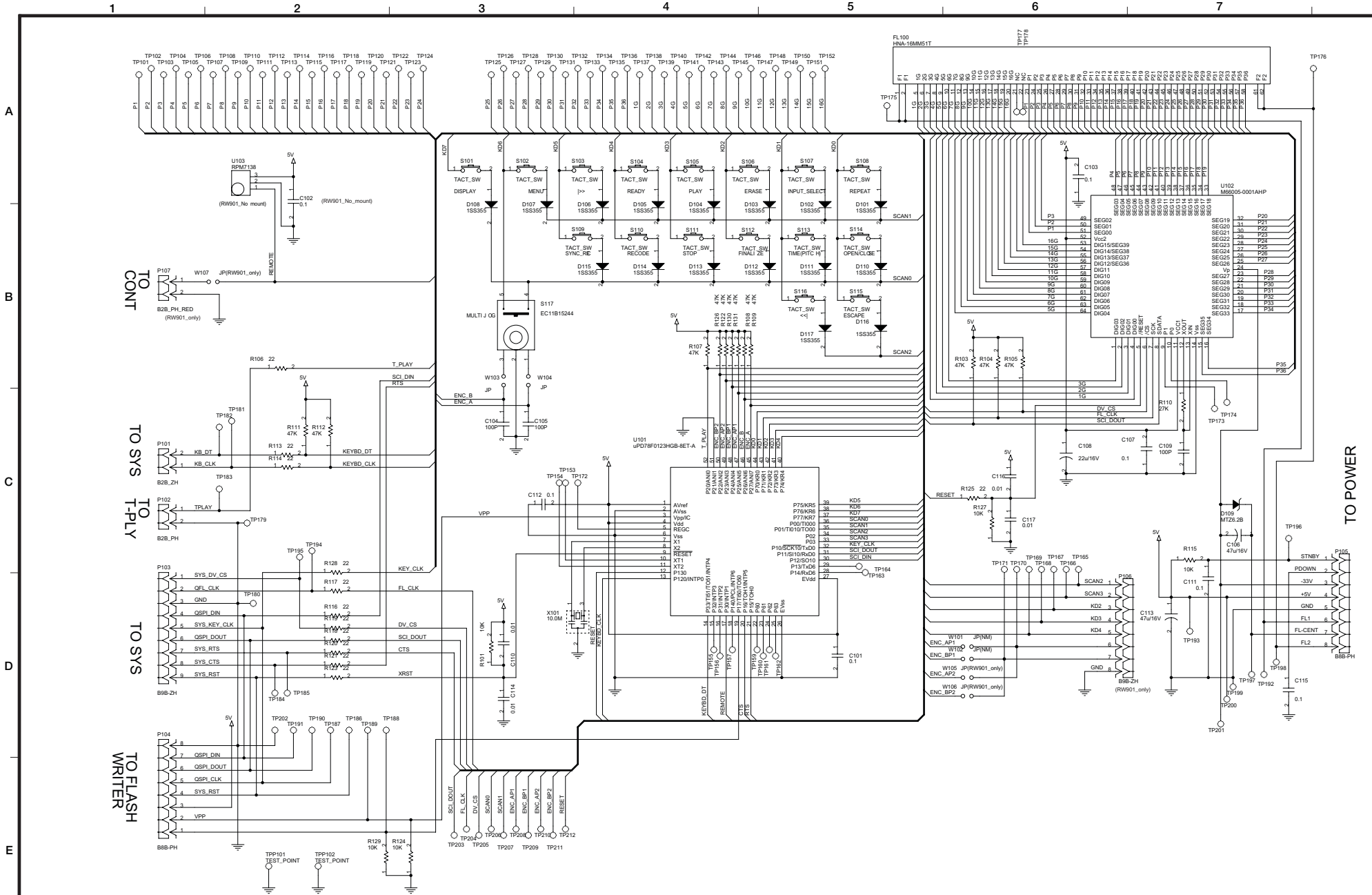
- プリント基板図は部品面を示しています。
- *印の部品は納期が若干かかります。
あらかじめご了承ください。
- 分解図に部番のない部品および品番のない部品は供給できません。
- 標準の抵抗、コンデンサーは省略してあります。
回路図を参照してください。
- △印は安全重要部品です。
交換する時は必ず指定の部品を使用してください。
- 仕向先
[J]: JAPAN [US/C]: U.S.A./CANADA [K]: KOREA [E]: EUROPE
[UK]: U.K. [A]: AUSTRALIA

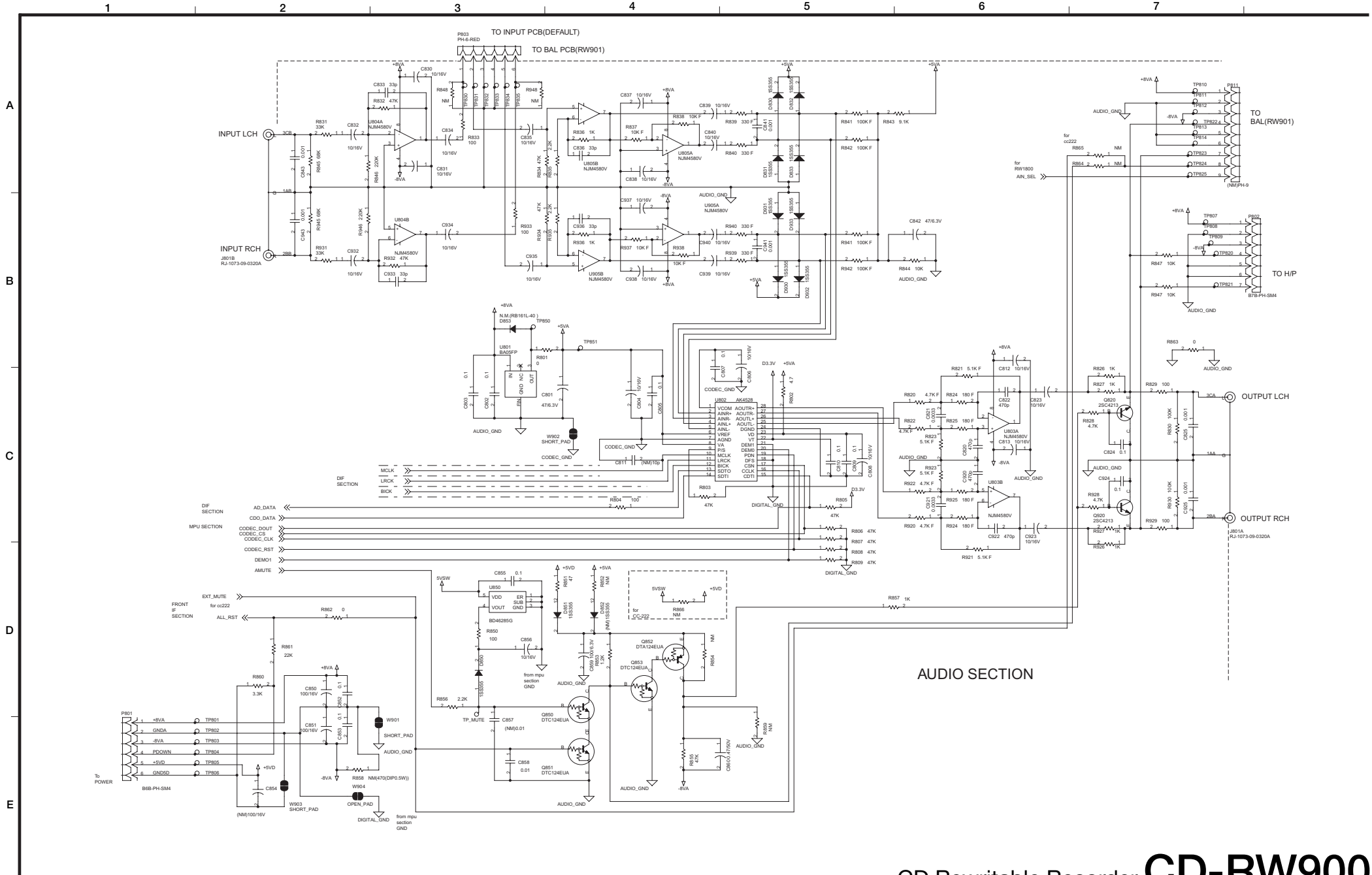
3.3. List of Commands

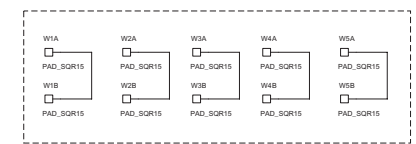
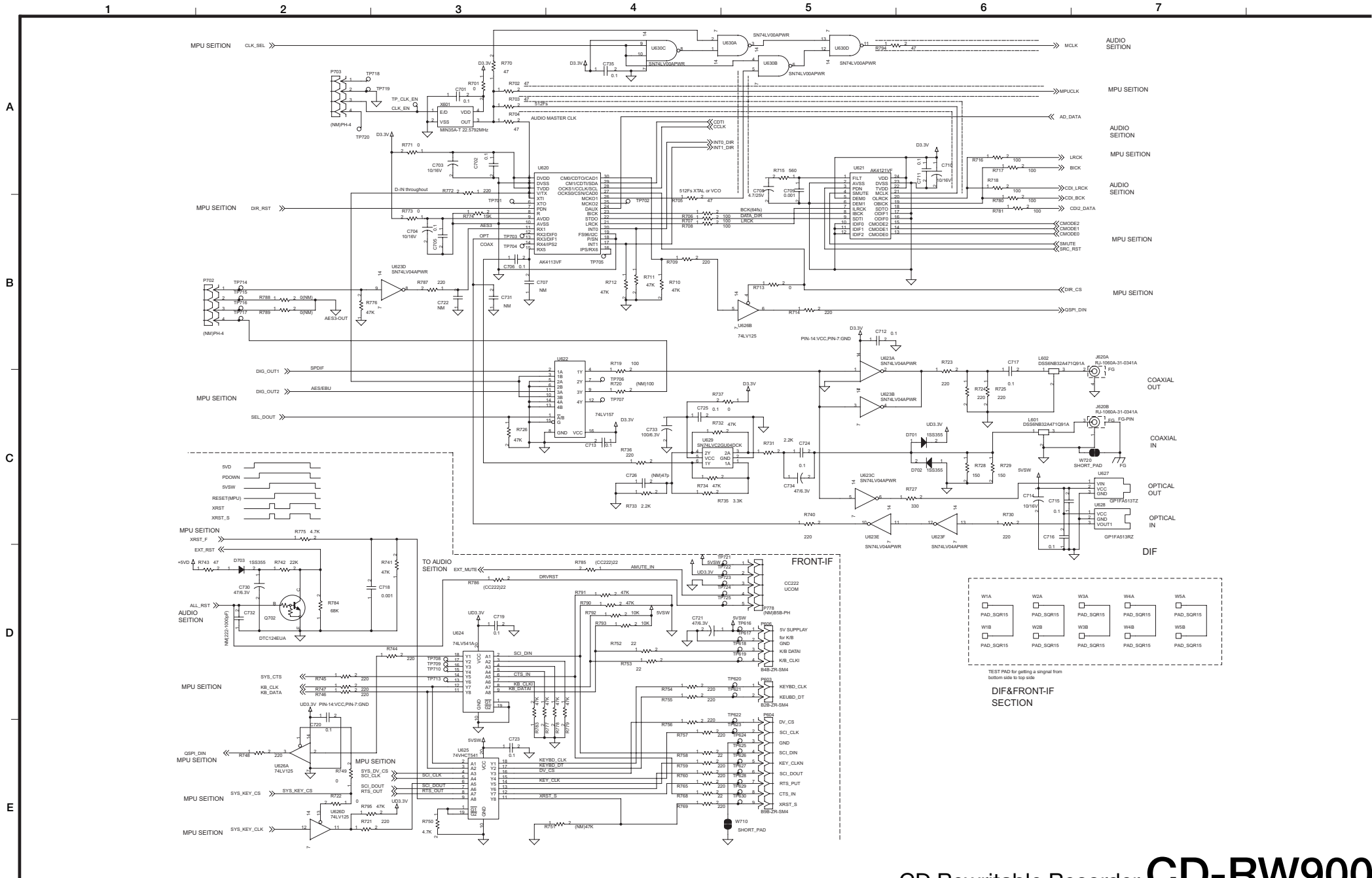
| Control/Preset/Sense Command | | Return Command | |
|------------------------------|--------------------------------------|----------------|---------------------------------------|
| 0F | INFORMATION REQUEST | 8F | INFORMATION RETURN |
| 10 | STOP | | |
| 12 | PLAY | | |
| 13 | RECORD | | |
| 14 | READY | | |
| 16 | SHUTTLE | | |
| 18 | TRAY | | |
| 1A | TRACK/INDEX SKIP | | |
| 1D | CALL | | |
| 20 | AUTO CUE LEVEL PRESET | A0 | AUTO CUE LEVEL RETURN |
| 21 | AUTO TRACK LEVEL PRESET | A1 | AUTO TRACK LEVEL RETURN |
| 23 | DIRECT TRACK SEARCH PRESET | | |
| 25 | PITCH DATA PRESET | A5 | PITCH DATA RETURN |
| 26 | AUTO TRACK TIME PRESET | A6 | AUTO TRACK TIME RETURN |
| 28 | SYNC REC LEVEL PRESET | A8 | SYNC REC LEVEL RETURN |
| 29 | TEXT PRESET | A9 | TEXT PRESET ACKNOWLEDGE |
| 2C | TIME SEARCH PRESET | | |
| 2D | KEY CONTROL DATA PRESET | AD | KEY CONTROL DATA RETURN |
| 2E | FADE IN/OUT TIME PRESET | AE | FADE IN/OUT TIME RETURN |
| 2F | DIGITAL VOLUME DATA PRESET | AF | DIGITAL VOLUE DATA RETURN |
| 30 | AUTO CUE SELECT | B0 | AUTO CUE SELECT RETURN |
| 31 | AUTO TRACK SELECT | B1 | AUTO TRACK RETURN |
| 32 | EOM TRACK TIME SELECT | B2 | EOM TRACK TIME RETURN |
| 33 | EOM DISC TIME SELECT | B3 | EOM DISC TIME RETURN |
| 35 | PITCH CONTROL SELECT | B5 | PITCH CONTROL SELECT RETURN |
| 36 | AUTO READY SELECT | B6 | AUTO READY SELECT RETURN |
| 37 | REPEAT SELECT | B7 | REPEAT SELECT RETURN |
| 38 | SYNC REC SELECT | B8 | SYNC REC SELECT RETURN |
| 3A | INCR PLAY SELECT | BA | INCR PLAY SELECT RETURN |
| 3D | KEY CONTROL SELECT | BD | KEY CONTROL SELECT RETURN |
| 4C | REMOTE/LOCAL SELECT | CC | REMOTE/LOCAL SELECT RETURN |
| 4E | PLAY MODE SENSE | CE | PLAY MODE RETURN |
| 50 | MECHA STATUS SENSE | D0 | MECHA STATUS RETURN |
| 53 | ISRC SENSE | D3 | ISRC RETURN |
| 55 | TRACK No. SENSE | D5 | TRACK No. STATUS RETURN |
| 56 | DISC STATUS SENSE | D6 | DISC STATUS RETURN |
| 57 | CURRENT TRACK INFORMATION SENSE | D7 | CURRENT TRACK INFORMATION RETURN |
| 58 | CURRENT TRACK TIME SENSE | D8 | CURRENT TRACK TIME RETURN |
| 59 | TEXT SENSE | D9 | TEXT RETURN |
| 5D | TOTAL TRACK No./TOTAL TIME SENSE | DD | TOTAL TRACK No./TOTAL TIME RETURN |
| 5E | PGM TOTAL TRACK No./TOTAL TIME SENSE | DE | PGM TOTAL TRACK No./TOTAL TIME RETURN |
| 5F | KEYBOARD TYPE SENSE | DF | KEYBOARD TYPE RETURN |

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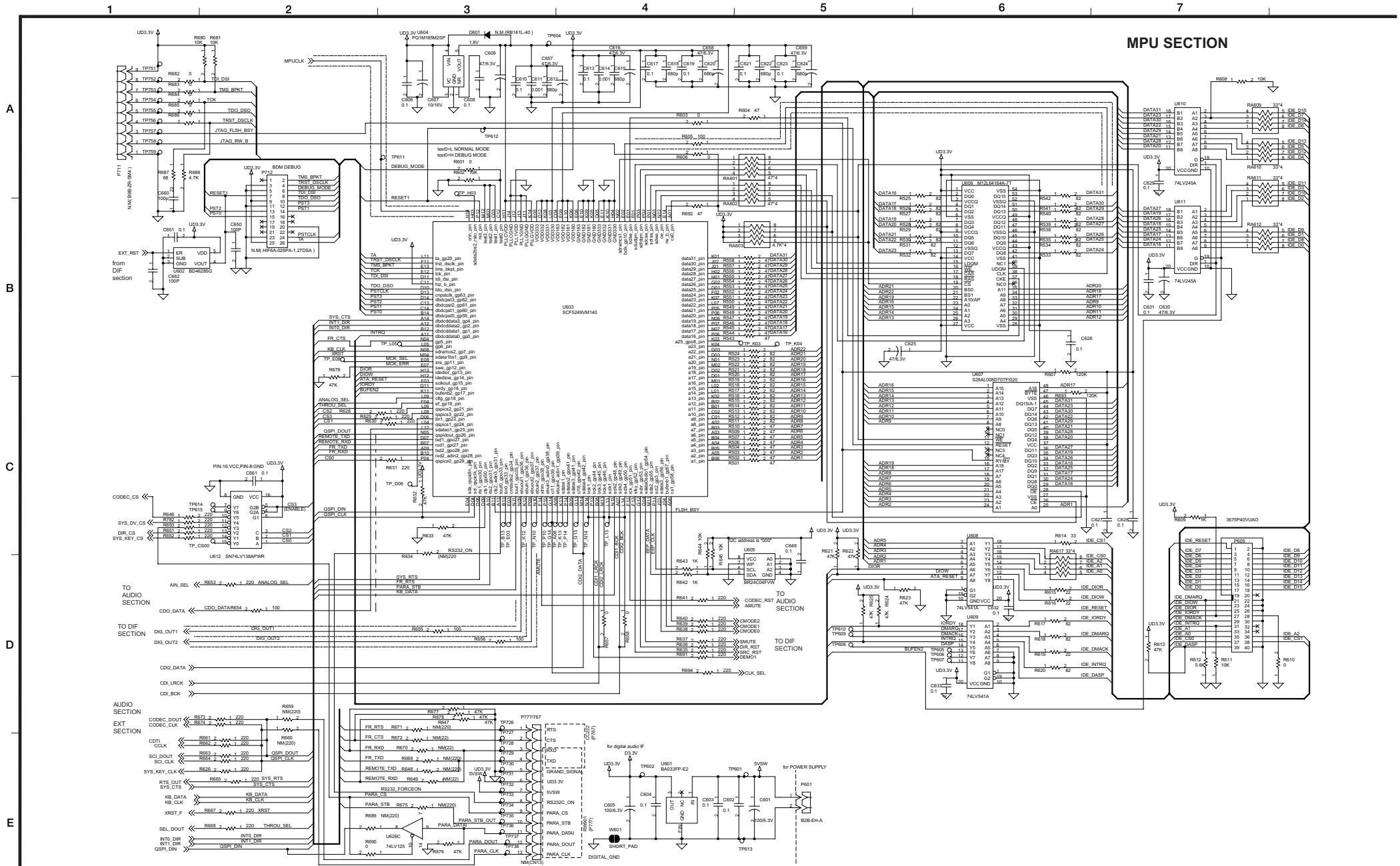


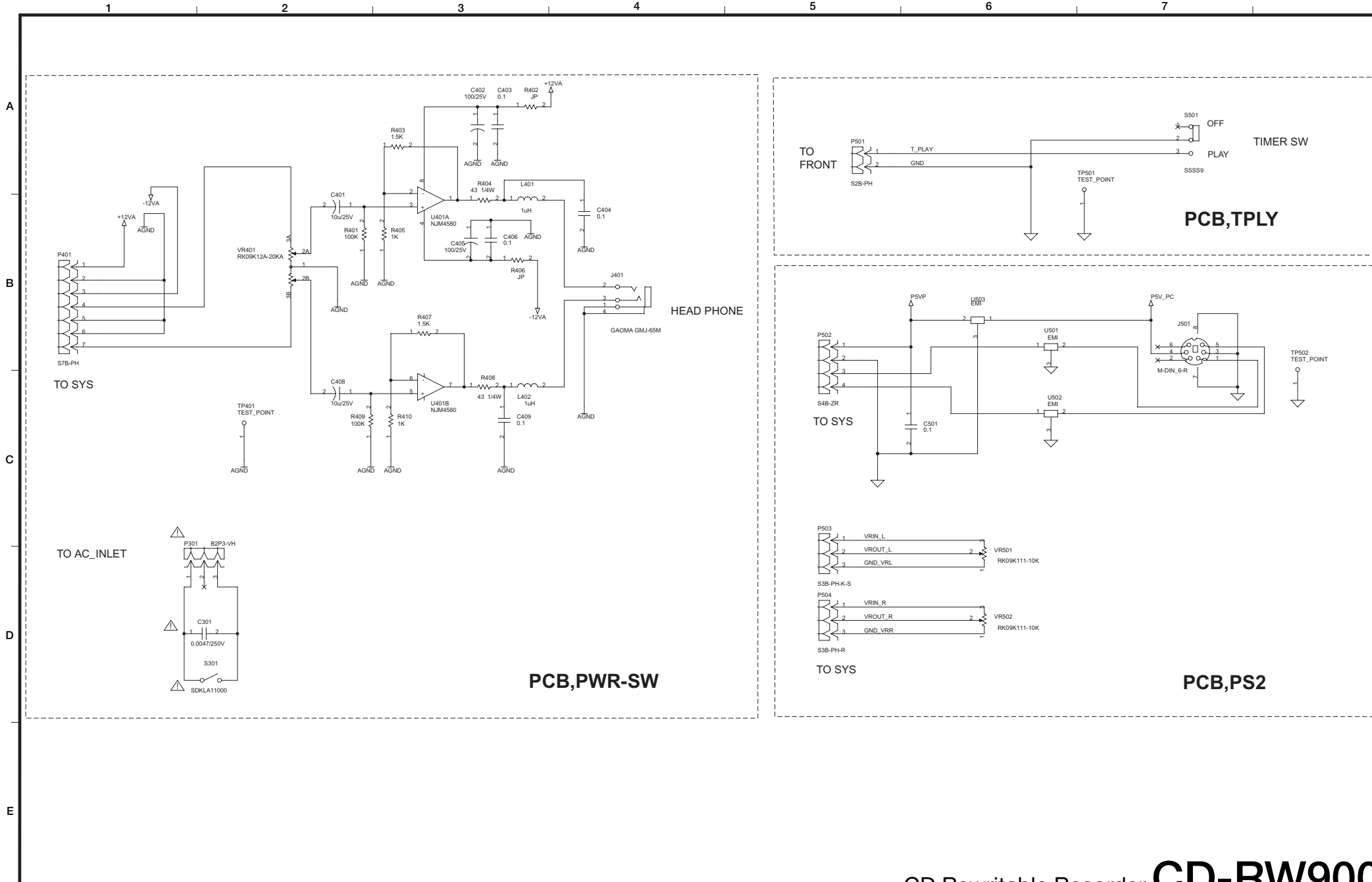


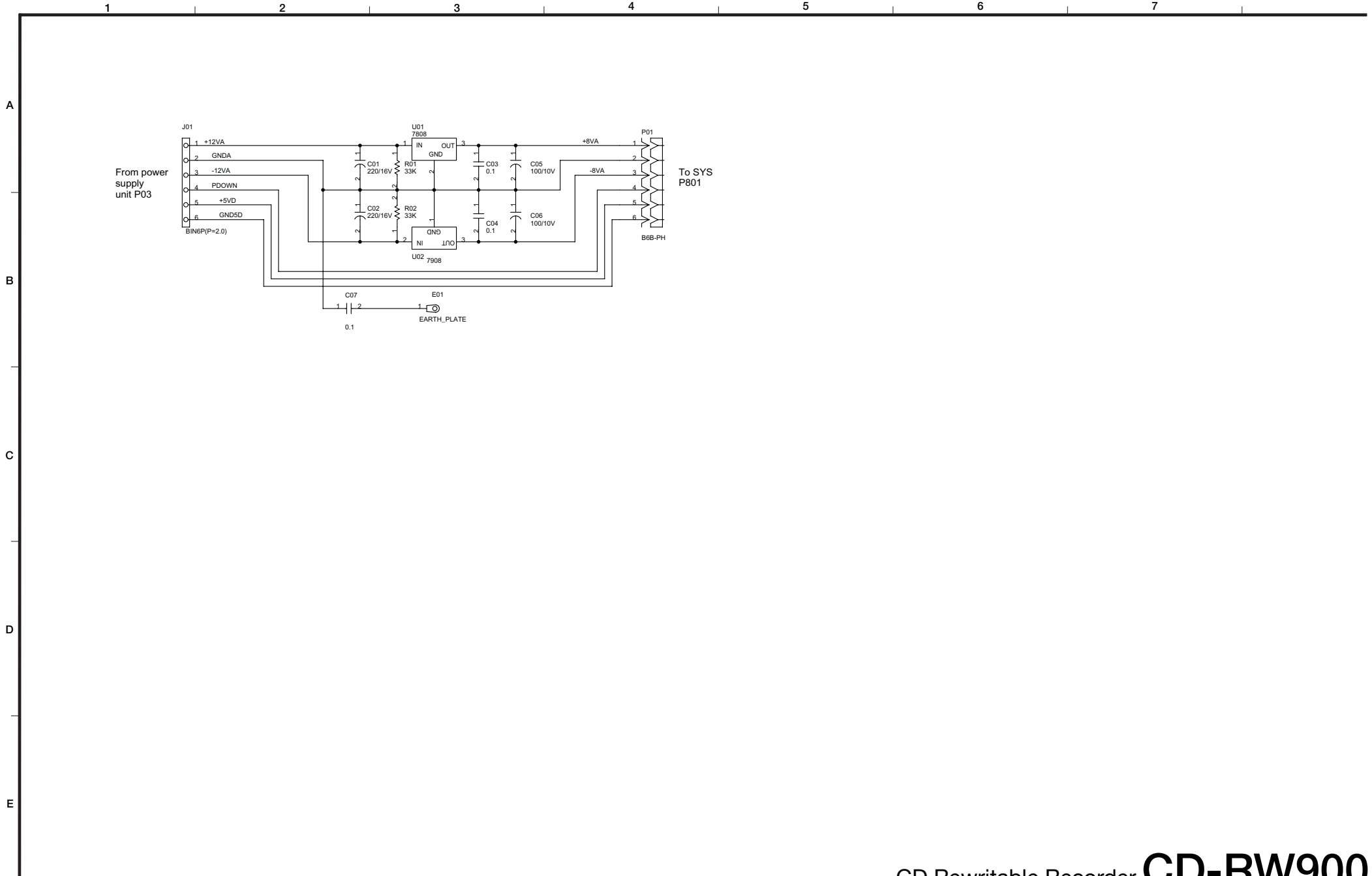


TEST PAD for getting a signal from bottom side to top side

DIF & FRONT-IF SECTION









TECHNICAL INFORMATION

TASCAM CD-RW900, System Firmware Update

No. 0710

DATE 14th June 2007

The production of the CD-RW900 has been ceased in May 2007 and the following is a summary of problem fix made by System firmware upgrade with the applicable serial number respectively:

Ver 1.01 to Ver 1.02, products with S/N 0020001 and higher except S/N 0020906 to 0021404, totally 499 units for none RoHS products:

1. To use M00232500A Drive Assy consists of the CD-W58DB-T00 RoHS is supported.
2. "SYS Ver" and "DRIVE Ver" in the VERSION CHECK menu of the Test Mode are added.
3. DISPLAY CHECK and EEP CHECK menu of the Test Mode are revised.

Ver 1.02 to Ver 1.03, no adoption on the products:

1. "PTIME=xxxxh" in the VERSION CHECK menu of the Test Mode is not backed up properly.
2. A noise occurs at MONITOR output when COAXIAL input is unlocked.
3. Improper display occurs when track skip is made from a position of INDEX = 0.
4. The PROGRAM or RANDOM playback being set is released when recording is tried on a disk that has no more time space to record.

Ver 1.03 to Ver 1.04, products with S/N 0060001 and higher:

Owing to a batch tolerance of U506 on the Main PCBA, ESMT SDRAM, M12L64164A-7T, some units cannot not boot at the production site. A routine of SDRAM initialization is revised.

Ver 1.04 to Ver 1.05, products with S/N 0130001 and higher:

1. Owing to an error of Ver 1.04 programming, CD-R record speed becomes by 24 times high-speed unintentionally.
2. Retry is installed in the File System when it is not possible to read by generating MP3 Decode Error.
3. Digital In information of Rec Ready is reviewed again at the time of Record start (Rec Play).
4. To clear the PROGRAM playback that is made immediately after registration is not effective occasionally and retry is added.
5. There is a MENU that does not backup when releasing it by the MENU key.

Ver 1.05 to Ver 1.06, products with S/N 0170001 and higher:

1. "L" and "Space" keys of the Keyboards with Caps On cannot input when Keyboard type of "US" is selected.
2. Recording made up to Disc Full results in extra 2 frames recording on a disc.

Ver 1.06 to Ver 1.07, no adoption on the products:

Recording made up to Disc Full is now shortened by minus 10 frames recording on a disc.

Note:

There has been a problem that the disc recorded up to Disc Full could not copy by the CD-D4000/MK2. This has been solved by the Ver 1.06 firmware. There has been further Duplicators that showed likely error of "Capacity shortage at copy destination" for such disc and could no copy. This has been solved by the Ver 1.07 firmware.

**TECHNICAL INFORMATION****TASCAM CD-RW901, System Firmware Update**

No. 0711

DATE 14th June 2007

The production of the CD-RW901 has been ceased in May 2007 and the following is a summary of problem fix made by System firmware upgrade with the applicable serial number respectively:

Ver 1.00 to Ver 1.01, products with S/N 0020001 and higher:

1. Owing to a batch tolerance of U506 on the Main PCBA, ESMT SDRAM, M12L64164A-7T, some units cannot not boot at the production site. A routine of SDRAM initialization is revised.
2. When Auto Cue Search is OFF, the unit enters to READY instead of PLAY even display shows PLAY.

Ver 1.01 to Ver 1.02, products with S/N 0100001 and higher:

1. Owing to an error of Ver 1.04 programming, CD-R record speed becomes by 24 times high-speed unintentionally.
2. When Pitch Control is ON, Lock status of Digital output has been changed Unlock to Lock.
3. Retry is installed in the File System when it is not possible to read by generating MP3 Decode Error.
4. Digital In information of Rec Ready is reviewed again at the time of Record start (Rec Play).
5. To clear the PROGRAM playback that is made immediately after registration is not effective occasionally and retry is added.
6. There is a MENU that does not backup when releasing it by the MENU key.
7. When Auto Track is changed into TIME, Time cannot be set correctly.
8. At the Parallel Remote In, other commands cannot be accepted when Fader Start being connected there is closed.

Ver 1.02 to Ver 1.03, products with S/N 0140001 and higher:

1. "L" and "Space" keys of the Keyboards with Caps On cannot input when Keyboard type of "US" is selected.
2. Recording made up to Disc Full results in extra 2 frames recording on a disc.

Ver 1.03 to Ver 1.04, no adoption on the products:

1. Recording made up to Disc Full is now shortened by minus 10 frames recording on a disc.

Note:

There has been a problem that the disc recorded up to Disc Full could not copy by the CD-D4000/MK2. This has been solved by the Ver 1.03 firmware. There has been further Duplicators that showed likely error of "Capacity shortage at copy destination" for such disc and could not copy. This has been solved by the Ver 1.04 firmware.

TEAC TECHNICAL INFORMATION

No. 0714

TASCAM CD-RW900/901, Low Temperature Boot up

DATE 22nd June 2007

To maintain safer wake up of Q820/920 on Sys (1/3) SCH (C, 7), Power on Mute Trs even under lower temperature environment, the following change has been made on the products with the following:

CD-RW900: S/N 0160501 and higher
 Exception: S/No.0130333 to 0130533, 0141116 to 0141213, 0151000 to 0151077, 0160001 to 0160100

CD-RW901: S/No.0140001 and higher

Symptom: No output or noise on outputs has occurred during several minutes after powering on the unit made at the first attempt in rather cold morning.

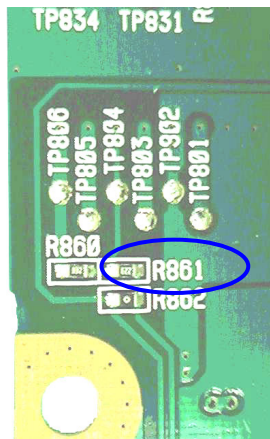
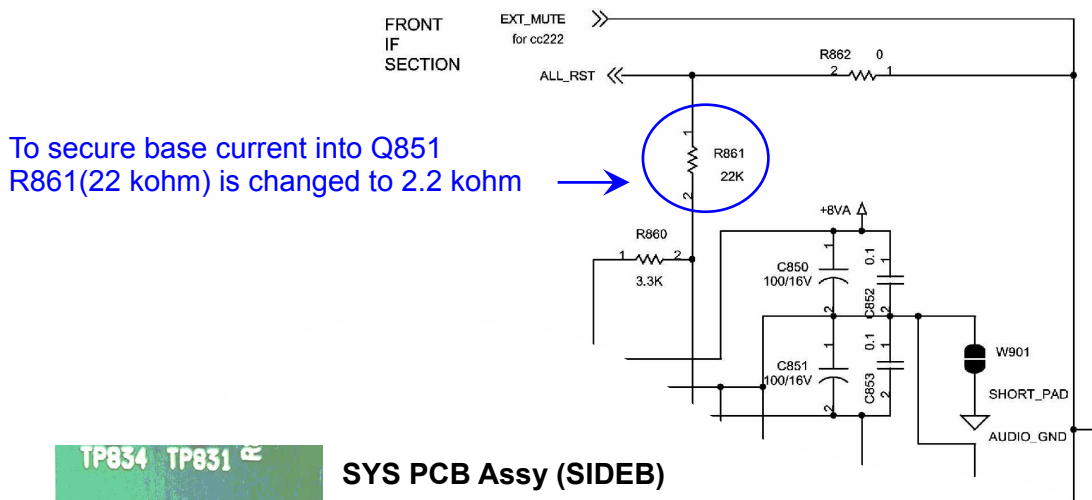
Cause: A value of R861 in PDOWN signal pass has been selected to cause a lack of Q851 base current.

Solution: R861 (22 kohm) on Sys(1/3) SCH (D, 2) has been changed to 2.2 kohm.

| Old | New |
|-----------------------------|-----------------------------|
| R0156964 RD,1/10W 22 KOHM G | R0156724RD,1/10W 2.2 KOHM G |

SCHEMATIC DIAGRAM CD-RW900/901

SYS(1/3): AUDIO SECTION



SYS PCB Assy (SIDE B)

