

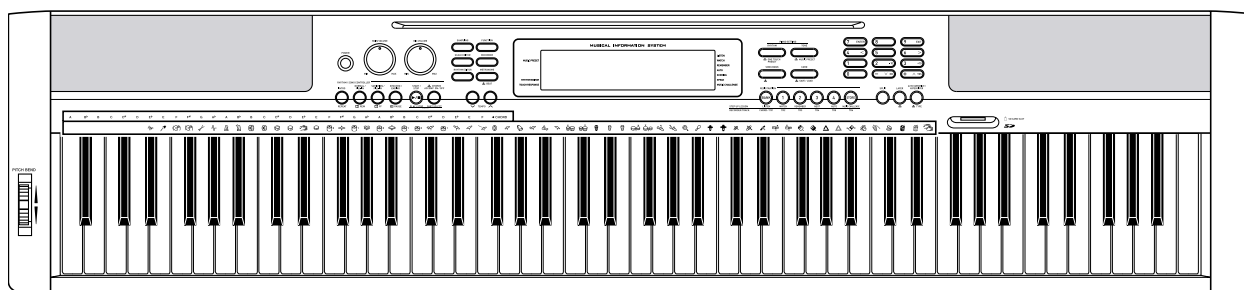
# CASIO®

# SERVICE MANUAL & PARTS LIST

(without price)

## CDP-200R

JUL. 2008



CDP-200R

### ELECTRONIC KEYBOARD

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## SPECIFICATIONS

|                                        |                                                                                                                                          |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Keyboard</b>                        | 88-key piano keyboard                                                                                                                    |
| Touch Response                         | 3 types, Off                                                                                                                             |
| <b>Maximum Polyphony</b>               | 48 notes (24 for certain tones)                                                                                                          |
| <b>Tones</b>                           |                                                                                                                                          |
| Built-in Tones                         | 670                                                                                                                                      |
| Sampling Tones                         | Up to 8 (Melody Sampling: 5, Drum Sampling: 3)*<br>Up to 10 seconds                                                                      |
| Functions                              | Layer, Split                                                                                                                             |
| <b>Reverb</b>                          | 1 to 10, Off                                                                                                                             |
| <b>Chorus</b>                          | 1 to 5, Off                                                                                                                              |
| <b>Metronome</b>                       |                                                                                                                                          |
| Beats per Measure                      | 0, 2 to 6                                                                                                                                |
| Tempo Range                            | 30 to 255                                                                                                                                |
| <b>Song Bank</b>                       |                                                                                                                                          |
| Built-in Songs                         | 152                                                                                                                                      |
| User Songs                             | Up to 10*                                                                                                                                |
| <b>Step Up Lesson</b>                  |                                                                                                                                          |
| Lessons                                | 4 (Listen, Watch, Remember, Auto)                                                                                                        |
| Lesson Part                            | L, R, LR                                                                                                                                 |
| Functions                              | Repeat, Voice Fingering Guide, Note Guide, Performance Evaluation                                                                        |
| <b>Music Challenge</b>                 | 20 notes                                                                                                                                 |
| <b>Auto Accompaniment</b>              |                                                                                                                                          |
| Built-in Rhythms                       | 200                                                                                                                                      |
| User Rhythms                           | Up to 10 (Accompaniment Edit)*                                                                                                           |
| <b>Registration</b>                    | 32 (4 setups × 8 banks)                                                                                                                  |
| <b>Recorder</b>                        | Real-time recording, playback                                                                                                            |
| Keyboard Play                          | 5 songs, 6 tracks                                                                                                                        |
| Playing Along with a<br>Built-in Songs | 1 song (L, R, LR)                                                                                                                        |
| Memory Capacity                        | Approximately 12,000 notes (total for 6 songs)                                                                                           |
| <b>Other Functions</b>                 |                                                                                                                                          |
| Transpose                              | ±1 octaves (12 semitones)                                                                                                                |
| Octave Shift                           | Upper/Lower ±2 octaves                                                                                                                   |
| Tuning                                 | A4 = approx. 440 Hz ±100 cents                                                                                                           |
| Scale Tuning                           | Scale Fine Tune, Quarter Tone, Preset Scales                                                                                             |
| Music Preset                           | 305                                                                                                                                      |
| One Touch Preset                       | 200                                                                                                                                      |
| Auto Harmonize                         | 12 types                                                                                                                                 |
| Arpeggiator                            | 90 types                                                                                                                                 |
| <b>MIDI</b>                            | 16 multi-timbre received, GM Level 1 standard                                                                                            |
| <b>Musical Information Function</b>    | Tone, Rhythm, Song Bank, numbers and names; staff notation, fingering, pedal operation, tempo, measure and beat number, chord name, etc. |
| <b>Pitch Bend Wheel</b>                |                                                                                                                                          |
| Pitch Bend Range                       | 0 to 12 semitones                                                                                                                        |

**SD Memory Cards**

Supported SD Memory Cards 2GB or less

Functions SMF playback, file storage, file recall, file delete, card format

**Inputs/Outputs**

USB port TYPE B

Sustain/Assignable jack Standard jack (sustain, sostenuto, soft, rhythm start/stop)

Phones/Output jack Stereo standard jack

Output Impedance: 20 $\Omega$ , Output Voltage: 1.5V (RMS) MAX

Audio In jack Stereo mini jack

Input Impedance: 40k $\Omega$ , Input Sensitivity: 200mV

Mic In jack Standard jack

Input Impedance: 3k $\Omega$ , Input Sensitivity: 10mV

**Power Jack**

12V DC

Power Supply

AC Adaptor AD-12

**Speakers**

(12cm  $\times$  6cm oval)  $\times$  2

Output 8W + 8W

**Power Consumption**

12V  $\approx$  18W

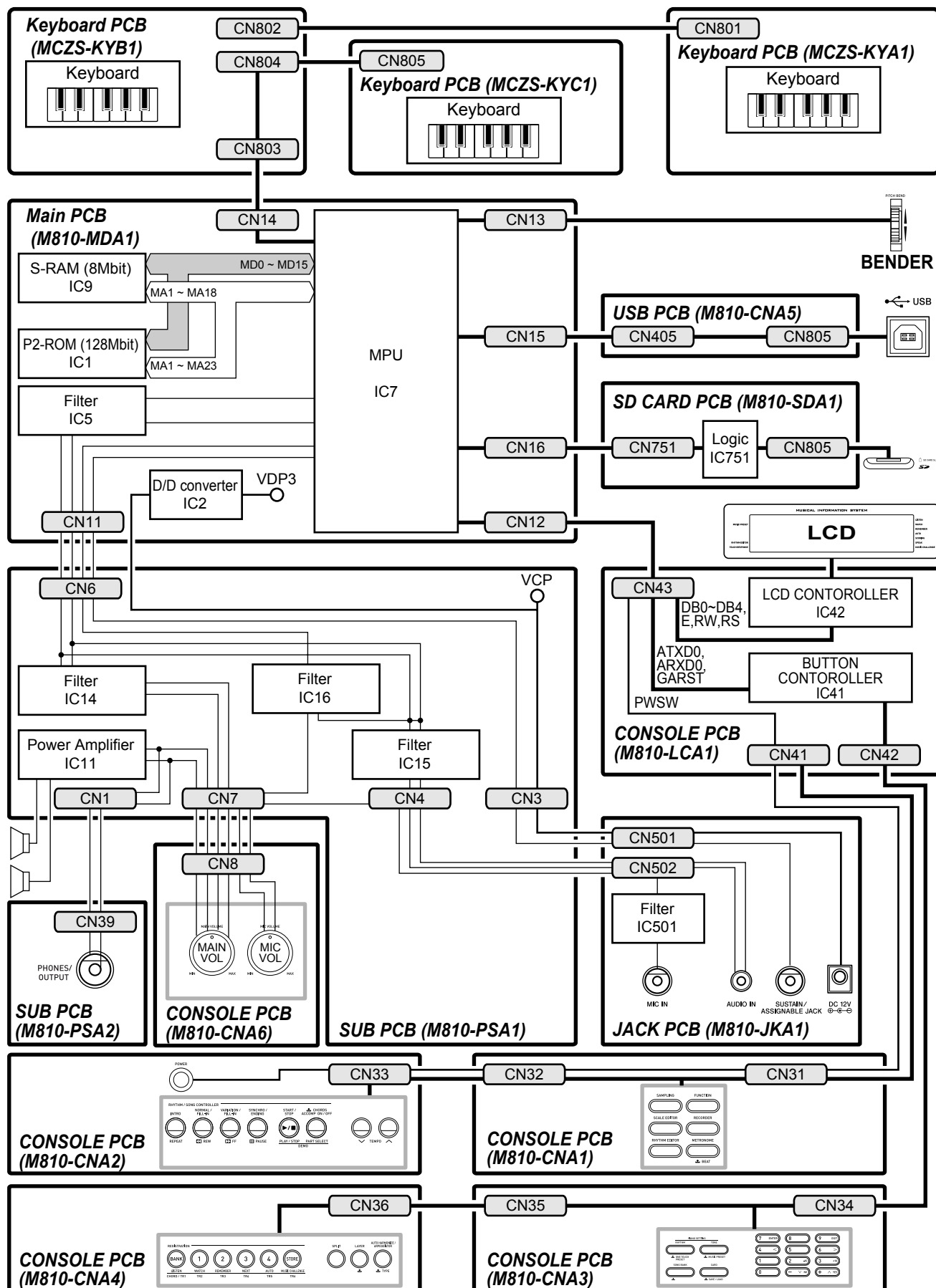
**Dimensions**

133.3  $\times$  27.8  $\times$  13.3cm (52  $\frac{1}{2}$   $\times$  10  $\frac{15}{16}$   $\times$  5  $\frac{1}{4}$  inch)

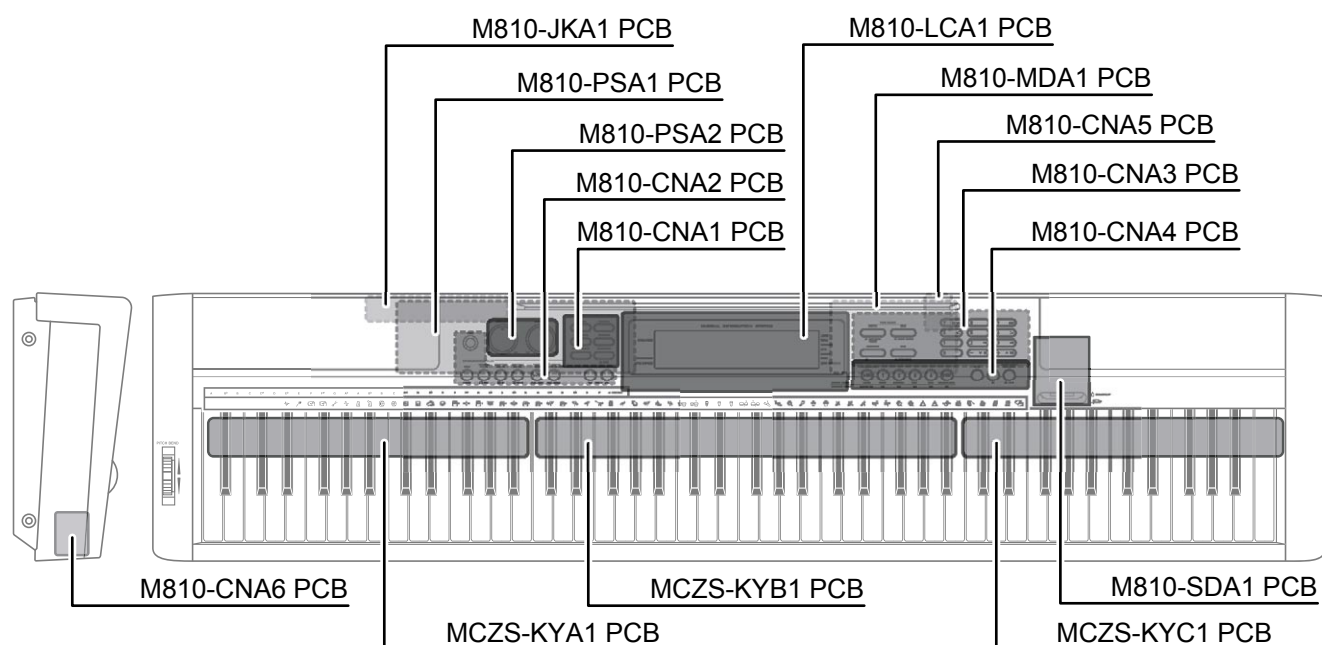
**Weight**

Approximately 12.0kg (26.4 lbs)

## BLOCK AND WIRING DIAGRAM



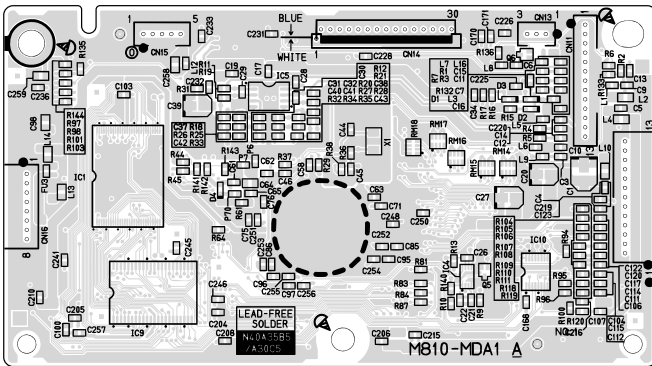
## PCB LAYOUT



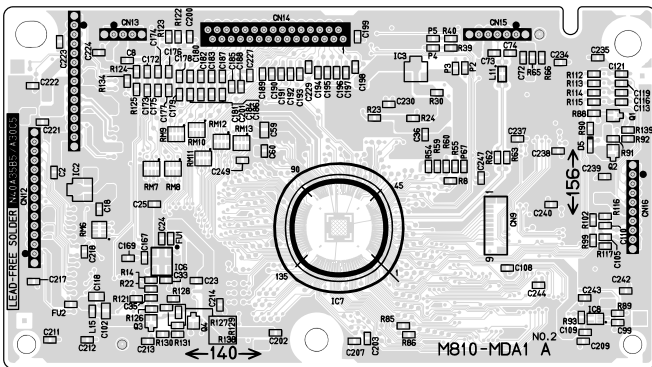
| PCB           |           | Components                                                                    |
|---------------|-----------|-------------------------------------------------------------------------------|
| MAIN PCB      | M810-MDA1 | MPU, Reset IC, RAM(8Mbit), ROM(128Mbit), Key controller, Power supply circuit |
| SUB PCB       | M810-PSA1 | Power supply circuit, Power amplifier                                         |
| SUB PCB       | M810-PSA2 | Phones jack                                                                   |
| CONSOLE PCBs  | M810-CNA1 | Button                                                                        |
|               | M810-CNA2 | Button                                                                        |
|               | M810-CNA3 | Button                                                                        |
|               | M810-CNA4 | Button                                                                        |
|               | M810-CNA6 | Main volume , Mic volume                                                      |
|               | M810-LCA1 | LCD controller, Button controller                                             |
| USB PCB       | M810-CNA5 | USB                                                                           |
| JACK PCB      | M810-JKA1 | Mic, Audio IN, Pedal, DC 12V terminal                                         |
| SD CARD PCB   | M810-SDA1 | SD CARD                                                                       |
| KEYBOARD PCBs | MCZS-KYA1 | KEYBOARD                                                                      |
|               | MCZS-KYB1 |                                                                               |
|               | MCZS-KYC1 |                                                                               |

## PRINTED CIRCUIT BOARDS

### Main PCB M810-MDA1

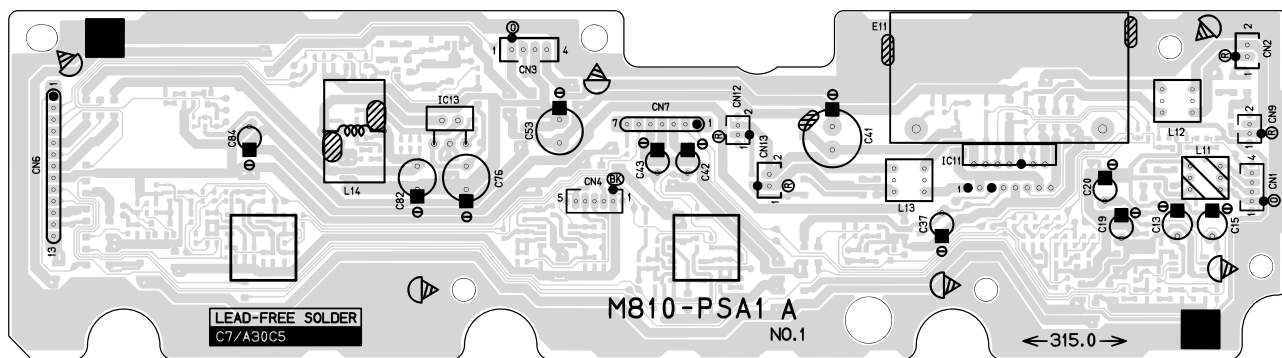


Top View

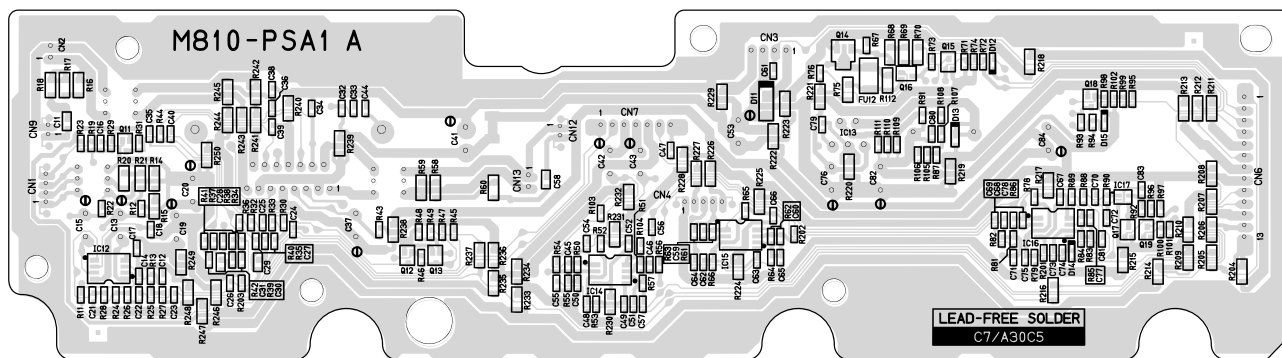


Bottom View

Sub PCB M810-PSA1



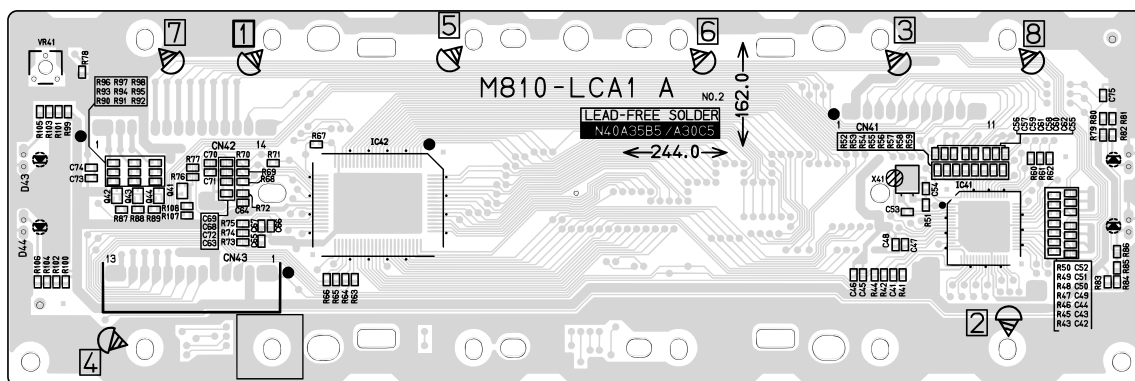
Top View



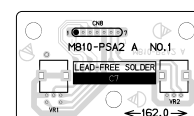
Bottom View



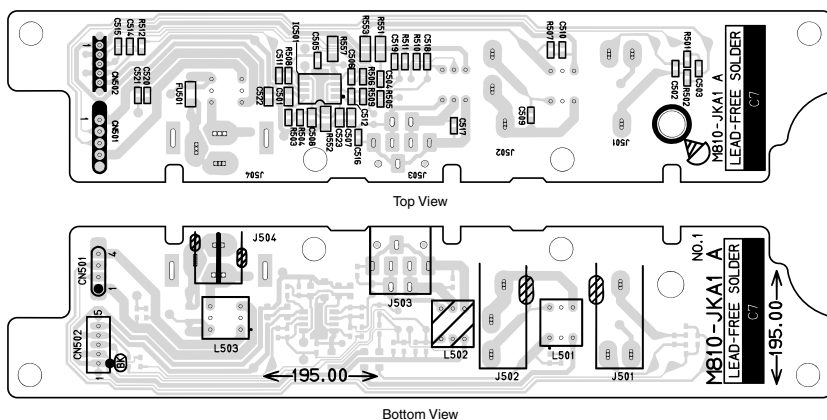
Console PCB M810-LCA1



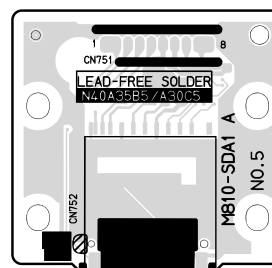
SUB PCB M810-PSA2



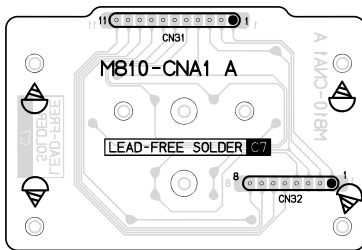
JACK PCB M810-JKA1



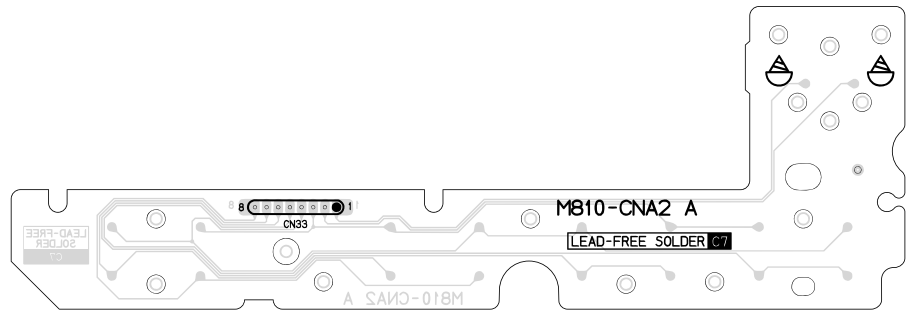
SD CARD PCB M810-SDA1



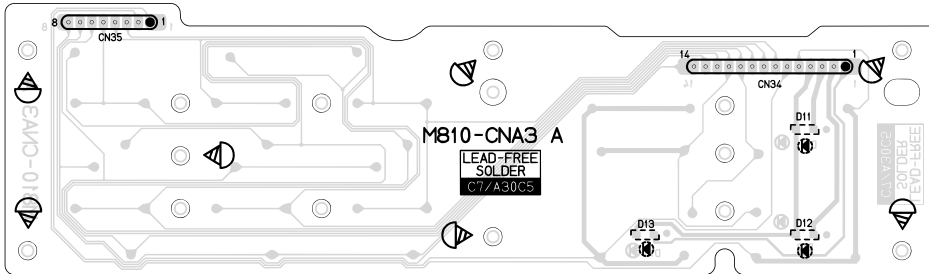
Console PCB M810-CNA1



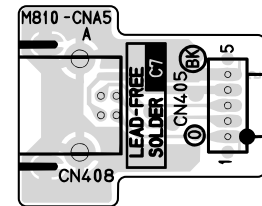
Console PCB M810-CNA2



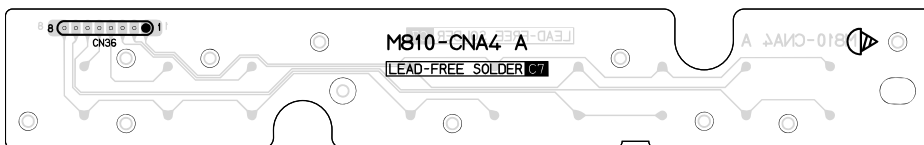
Console PCB M810-CNA3



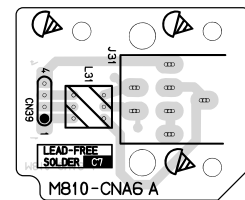
Console PCB M810-CNA5



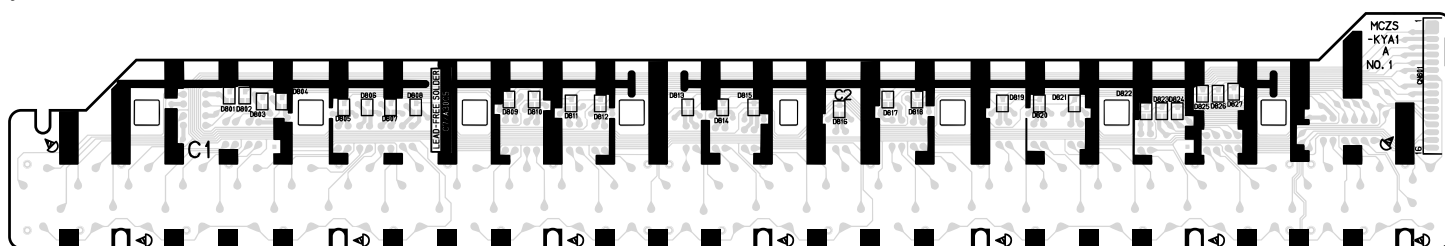
Console PCB M810-CNA4



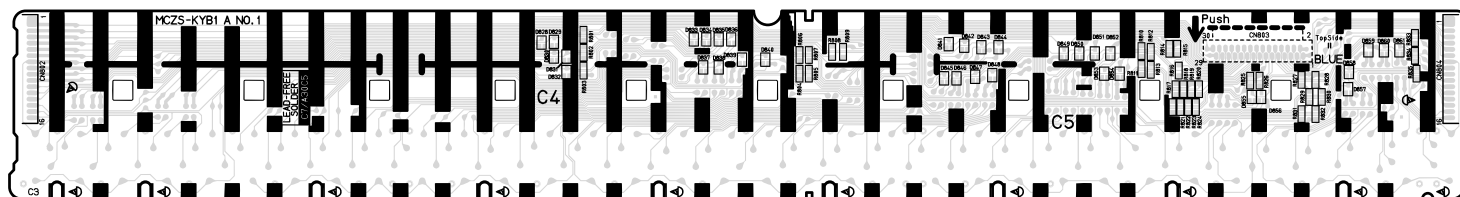
Console PCB M810-CNA6



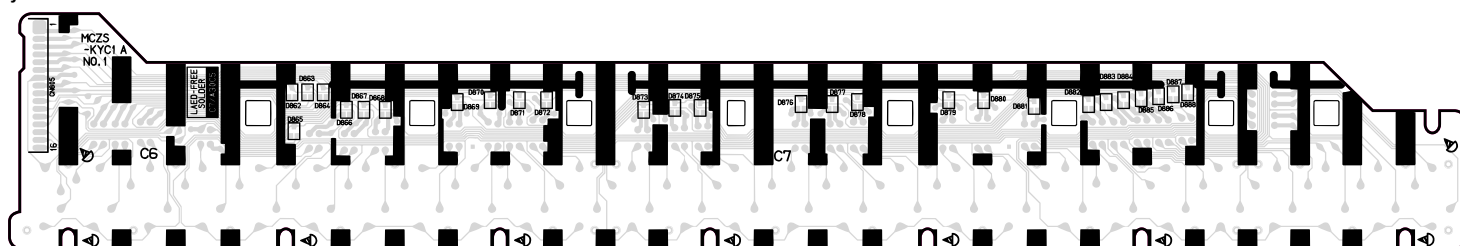
Keyboard PCB MCZS-KYA1



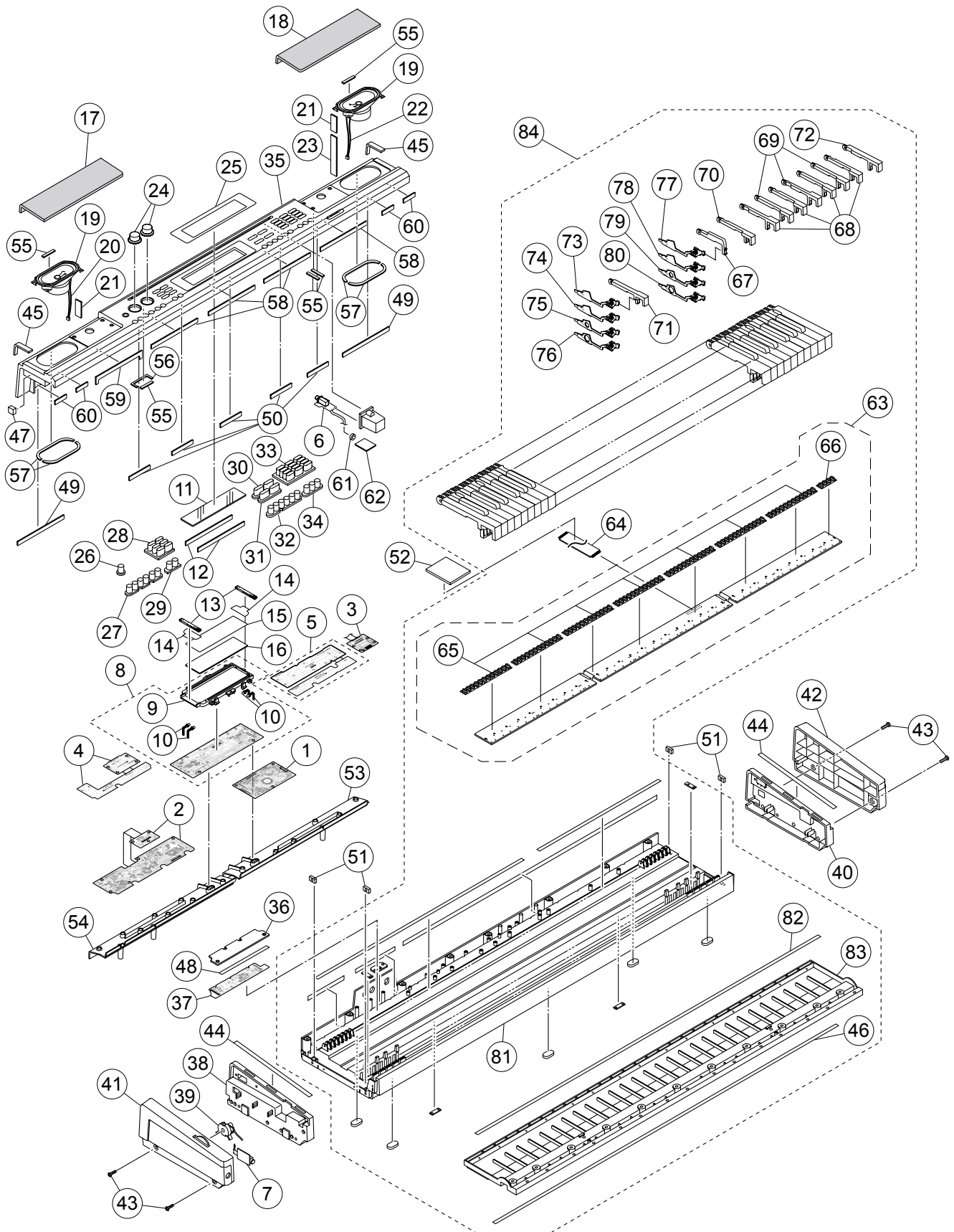
Keyboard PCB MCZS-KYB1



Keyboard PCB MCZS-KYC1



# EXPLODED VIEW



# PARTS LIST

CDP-200R

Notes: This parts list does not include the cosmetic parts, which parts are marked with item No. "R-X" in the exploded view.

Contact our spare parts department if you need these parts for refurbish.

1. Prices and specifications are subject to change without prior notice.
2. As for spare parts order and supply, refer to the "GUIDEBOOK for Spare parts Supply", published seperately.
3. The numbers in item column correspond to the same numbers in drawing.

- 1 CDP-200R\_DI\_120V  
2 CDP-200R\_DI\_230V  
3 CDP-200R\_EU  
4 CDP-200R\_UI\_UK  
5 CDP-200R\_US

| N             | Item               | Parts NO. | Parts Name    | Specification      | Q'TY |   |   |   |   | Price Code | R | Remarks |
|---------------|--------------------|-----------|---------------|--------------------|------|---|---|---|---|------------|---|---------|
|               |                    |           |               |                    | 1    | 2 | 3 | 4 | 5 |            |   |         |
| Main PCB MDA1 |                    |           |               |                    |      |   |   |   |   |            |   |         |
| N             | 1                  | 10310729  | PCB ASSY/MDA1 | TK-RJM508883*001   | 1    | 1 | 1 | 1 | 1 |            | A |         |
|               | D1,2,3,5           | 10276977  | DIODE         | L1SS400T1G         | 4    | 4 | 4 | 4 | 4 | AA         | X |         |
|               | IC5                | 10211950  | IC            | NJM2068M-D(TE1)    | 1    | 1 | 1 | 1 | 1 | AC         | X |         |
|               | IC10               | 10123002  | IC            | TC74VHC174FT(EL)   | 1    | 1 | 1 | 1 | 1 | AD         | X |         |
|               | IC8                | 10197554  | IC            | TC7SZ126FU(TE85L.F | 1    | 1 | 1 | 1 | 1 | AE         | X |         |
|               | IC4                | 10197809  | IC            | TC7WH123FU(TE12L.F | 1    | 1 | 1 | 1 | 1 | AE         | X |         |
|               | IC2                | 10098821  | IC            | XC6202P332PR       | 1    | 1 | 1 | 1 | 1 | AD         | X |         |
|               | IC6                | 10269340  | IC            | XC6403FY51PR       | 1    | 1 | 1 | 1 | 1 | AE         | X |         |
| N             | IC9                | 10299049  | LSI           | LP62S16256GV55LLIF | 1    | 1 | 1 | 1 | 1 |            | X |         |
| N             | IC1                | 10306295  | MEMORY        | MR27T12802L11GTA3A | 1    | 1 | 1 | 1 | 1 | BN         | X |         |
|               | L11                | 10193074  | COIL          | DLW21HN181SQ2L     | 1    | 1 | 1 | 1 | 1 | AC         | X |         |
|               | L13,14             | 10122963  | FERRITE BEAD  | BLM21AG102SN1D     | 2    | 2 | 2 | 2 | 2 | AC         | X |         |
|               | L2,4,10            | 10089941  | FERRITE BEAD  | BLM21PG221SN1D     | 3    | 3 | 3 | 3 | 3 | AA         | X |         |
|               | L1,3,5,6,7,9,16    | 10238668  | FERRITE BEAD  | EBMS160808A102     | 7    | 7 | 7 | 7 | 7 | AA         | X |         |
|               | Q2,6               | 10202670  | TRANSISTOR    | KTA2014-GR-RTK/P   | 2    | 2 | 2 | 2 | 2 | AA         | X |         |
|               | Q1,5               | 10207675  | TRANSISTOR    | KTC4075-GR-RTK/P   | 2    | 2 | 2 | 2 | 2 | AA         | X |         |
| N             | X1                 | 10302397  | RESONATOR     | 7A48000118         | 1    | 1 | 1 | 1 | 1 |            | C |         |
| Sub PCB PS1   |                    |           |               |                    |      |   |   |   |   |            |   |         |
| N             | 2                  | 10310730  | PCB ASSY/PSA  | TK-RJM508885*001   | 1    | 1 | 1 | 1 | 1 |            | B |         |
|               | IC13               | 10201503  | IC            | PQ1CG21H2FZH       | 1    | 1 | 1 | 1 | 1 | AO         | X |         |
| N             | IC11               | 10306512  | IC            | TDA7297            | 1    | 1 | 1 | 1 | 1 |            | X |         |
|               | L11                | 10231919  | COIL          | RB53-856396NP      | 1    | 1 | 1 | 1 | 1 | AA         | X |         |
|               | L12,13             | 10231920  | COIL          | RB53-856397NP      | 2    | 2 | 2 | 2 | 2 | AA         | X |         |
| N             | L14                | 10232457  | COIL          | R117-860400NP      | 1    | 1 | 1 | 1 | 1 |            | X |         |
|               | D12,14,15          | 10276977  | DIODE         | L1SS400T1G         | 3    | 3 | 3 | 3 | 3 | AA         | X |         |
|               | D13                | 10210387  | DIODE         | RSX101VA-30TR      | 1    | 1 | 1 | 1 | 1 | AA         | X |         |
|               | D11                | 10294394  | DIODE         | SK34A              | 1    | 1 | 1 | 1 | 1 | AD         | X |         |
| N             | IC12               | 10306415  | IC            | BH3547F-E2         | 1    | 1 | 1 | 1 | 1 |            | X |         |
|               | IC14,15,16         | 10211950  | IC            | NJM2068M-D(TE1)    | 3    | 3 | 3 | 3 | 3 | AC         | X |         |
| N             | IC17               | 10265568  | IC            | TC7SB66FU(TE85L.F) | 1    | 1 | 1 | 1 | 1 | AA         | X |         |
|               | Q14                | 10216428  | TRANSISTOR    | KTA1666-Y-RTF/P    | 1    | 1 | 1 | 1 | 1 | AB         | X |         |
|               | Q16,18             | 10202670  | TRANSISTOR    | KTA2014-GR-RTK/P   | 2    | 2 | 2 | 2 | 2 | AA         | X |         |
|               | Q11,12,13,15,17,19 | 10207675  | TRANSISTOR    | KTC4075-GR-RTK/P   | 6    | 6 | 6 | 6 | 6 | AA         | X |         |
| N             | VR1                | 10273794  | VARIABLE R    | F-09KGH1-CASIO-2   | 1    | 1 | 1 | 1 | 1 |            | X |         |
| N             | VR2                | 10304718  | VARIABLE R    | F-09KH1-CASIO-1    | 1    | 1 | 1 | 1 | 1 |            | X |         |
| SDA PCB       |                    |           |               |                    |      |   |   |   |   |            |   |         |
| N             | 3                  | 10310734  | PCB ASSY/SDA1 | TK-RJM508899*001   | 1    | 1 | 1 | 1 | 1 |            | C |         |
| Console PCB   |                    |           |               |                    |      |   |   |   |   |            |   |         |
| N             | 4                  | 10310732  | PCB ASSY/CNA1 | TK-RJM508890*001   | 1    | 1 | 1 | 1 | 1 |            | C |         |
| N             | 5                  | 10310733  | PCB ASSY/CNA3 | TK-RJM508891*001   | 1    | 1 | 1 | 1 | 1 |            | C |         |
|               | D1-D3              | 10209564  | LED           | KPTD-3216SURCK     | 3    | 3 | 3 | 3 | 3 | AA         | X |         |
| N             | 6                  | 10310731  | PCB ASSY/CNA5 | TK-RJM508893*001   | 1    | 1 | 1 | 1 | 1 |            | C |         |
|               | CN408              | 10236622  | CONNECTOR     | USB-4FBR30NB2      | 1    | 1 | 1 | 1 | 1 | AC         | X |         |
| N             | 7                  | 10310727  | PCB ASSY/CNA6 | TK-RJM508895*001   | 1    | 1 | 1 | 1 | 1 |            | C |         |
|               | L31                | 10231919  | COIL          | RB53-856396NP      | 1    | 1 | 1 | 1 | 1 | AA         | X |         |

- 1 CDP-200R\_DI\_120V  
2 CDP-200R\_DI\_230V  
3 CDP-200R\_EU  
4 CDP-200R\_UI\_UK  
5 CDP-200R\_US

| N         | Item     | Parts NO. | Parts Name          | Specification     | Q'TY |   |   |   |   | Price Code | R | Remarks |
|-----------|----------|-----------|---------------------|-------------------|------|---|---|---|---|------------|---|---------|
|           |          |           |                     |                   | 1    | 2 | 3 | 4 | 5 |            |   |         |
| Case unit |          |           |                     |                   |      |   |   |   |   |            |   |         |
| N         | 8        | 10310728  | BL ASSY             | TK-RJM508735*001  | 1    | 1 | 1 | 1 | 1 | AG         | C |         |
|           | 9        | 10247802  | REFRECTOR           | RJM506719-001V01  | 1    | 1 | 1 | 1 | 1 |            | X |         |
|           | 10       | 10255738  | LED                 | UY4067S-9B1       | 4    | 4 | 4 | 4 | 4 |            | X |         |
| N         | 11       | 10308372  | LCD                 | TY11276N-A0158/08 | 1    | 1 | 1 | 1 | 1 |            | C |         |
|           | 12       | 10248658  | CONNECTOR           | RJM506848-001V01  | 2    | 2 | 2 | 2 | 2 | AJ         | X |         |
|           | 13       | 10037738  | SPONGE              | M441167-1         | 2    | 2 | 2 | 2 | 2 | AA         | X |         |
|           | 14       | 10244704  | TOP PIECE           | RJM506943-001V01  | 2    | 2 | 2 | 2 | 2 | AA         | X |         |
|           | 15       | 10244703  | FILM                | RJM506942-001V01  | 1    | 1 | 1 | 1 | 1 | AA         | X |         |
|           | 16       | 10244501  | PLATE/BL            | RJM506777-001V01  | 1    | 1 | 1 | 1 | 1 | AO         | X |         |
| N         | 17       | 10310735  | COVER ASSY/SP/LEFT  | TK-RJM508736*001  | 1    | 1 | 1 | 1 | 1 |            | X |         |
| N         | 18       | 10310736  | COVER ASSY/SP/RIGHT | TK-RJM508737*001  | 1    | 1 | 1 | 1 | 1 |            | X |         |
|           | 19       | 10284878  | SPEAKER             | C0612J01          | 2    | 2 | 2 | 2 | 2 | BO         | B |         |
| N         | 20       | 10308815  | HARNESS             | EH-2P-15-M810     | 1    | 1 | 1 | 1 | 1 |            | X | L       |
| N         | 21       | 69264590  | SPONGE              | M440564-1         | 2    | 2 | 2 | 2 | 2 | AA         | X | L,R     |
| N         | 22       | 10308814  | HARNESS             | EH-2P-85-M810     | 1    | 1 | 1 | 1 | 1 |            | X | R       |
|           | 23       | 10216001  | SPONGE              | RJM506430-001V01  | 1    | 1 | 1 | 1 | 1 | AE         | X |         |
|           | 24       | 10269765  | KNOB/RTR            | M341109-008V01    | 2    | 2 | 2 | 2 | 2 | AD         | C |         |
| N         | 25       | 10306474  | PLATE/DISPLAY       | RJM508552-001V01  | 1    | 1 | 1 | 1 | 1 |            | C |         |
| N         | 26       | 10306479  | RUBBER KEY/A        | RJM508560-001V01  | 1    | 1 | 1 | 1 | 1 | AA         | C |         |
| N         | 27       | 10306480  | RUBBER KEY/B        | RJM508561-001V01  | 1    | 1 | 1 | 1 | 1 | AD         | C |         |
| N         | 28       | 10306481  | RUBBER KEY/C        | RJM508562-001V01  | 1    | 1 | 1 | 1 | 1 | AC         | C |         |
| N         | 29       | 10306482  | RUBBER KEY/D        | RJM508563-001V01  | 1    | 1 | 1 | 1 | 1 | AA         | C |         |
| N         | 30       | 10306483  | RUBBER KEY/E        | RJM508564-001V01  | 1    | 1 | 1 | 1 | 1 | AB         | C |         |
| N         | 31       | 10306484  | RUBBER KEY/F        | RJM508565-001V01  | 1    | 1 | 1 | 1 | 1 | AB         | C |         |
| N         | 32       | 10306485  | RUBBER KEY/G        | RJM508566-001V01  | 1    | 1 | 1 | 1 | 1 | AC         | C |         |
| N         | 33       | 10306486  | RUBBER KEY/H        | RJM508567-001V01  | 1    | 1 | 1 | 1 | 1 | AF         | C |         |
| N         | 34       | 10306487  | RUBBER KEY/J        | RJM508568-001V01  | 1    | 1 | 1 | 1 | 1 | AA         | C |         |
| N         | 35       | 10314505  | PANEL ASSY          | TK-RJM505332*010  | 1    | 1 | 1 | 1 | 1 |            | C |         |
| N         | 36       | 10306459  | HOLDER/JACK         | RJM505667-002V01  | 1    | 1 | 1 | 1 | 1 |            | X |         |
| N         | 37       | 10310738  | PCB ASSY/JKA1       | TK-RJM508897*001  | 1    | 1 | 1 | 1 | 1 |            | C |         |
|           | J504     | 10210582  | DC JACK             | HEC2305-016920    | 1    | 1 | 1 | 1 | 1 | AC         | C |         |
|           | J501     | 10206815  | CONNECTOR           | JY-6314*01-030    | 1    | 1 | 1 | 1 | 1 | AA         | C |         |
|           | J502     | 10206816  | CONNECTOR           | JY-6314*01-130    | 1    | 1 | 1 | 1 | 1 | AA         | C |         |
| N         | J503     | 10305131  | CONNECTOR           | ST-3529B          | 1    | 1 | 1 | 1 | 1 |            | X |         |
|           | L502     | 10231919  | COIL                | RB53-856396NP     | 1    | 1 | 1 | 1 | 1 | AA         | X |         |
|           | L501,503 | 10231920  | COIL                | RB53-856397NP     | 2    | 2 | 2 | 2 | 2 | AA         | X |         |
|           | IC501    | 10211950  | I.C                 | NJM2068M-D(TE1)   | 1    | 1 | 1 | 1 | 1 | AC         | X |         |
| N         | 38       | 10306472  | SIDE CASE/IL        | RJM508550-001V01  | 1    | 1 | 1 | 1 | 1 |            | C |         |
| N         | 39       | 10310726  | BENDER ASSY         | TK-RJM504468*005  | 1    | 1 | 1 | 1 | 1 |            | C |         |
| N         | 40       | 10306473  | SIDE CASE/IR        | RJM508551-001V01  | 1    | 1 | 1 | 1 | 1 |            | C |         |
| N         | 41       | 10306467  | SIDE CASE/L         | RJM508548-001V01  | 1    | 1 | 1 | 1 | 1 |            | C |         |
| N         | 42       | 10306470  | SIDE CASE/R         | RJM508549-001V01  | 1    | 1 | 1 | 1 | 1 |            | C |         |
|           | 43       | 10203785  | SCREW               | S-TRMA-6X30B3     | 4    | 4 | 4 | 4 | 4 | AA         | C |         |
| N         | 44       | 10179177  | HIMELON             | RJM505229-001V01  | 2    | 2 | 2 | 2 | 2 |            | X |         |
| N         | 45       | 10209201  | PACKING             | RJM506148-001V01  | 2    | 2 | 2 | 2 | 2 |            | X |         |
| N         | 46       | 10214405  | PACKING             | RJM506367-001V01  | 1    | 1 | 1 | 1 | 1 |            | X |         |
| N         | 47       | 10305236  | HIMELON             | M411136-003V03    | 1    | 1 | 1 | 1 | 1 |            | X |         |
| N         | 48       | 10214401  | PACKING             | RJM506159-001V01  | 1    | 1 | 1 | 1 | 1 |            | X |         |
|           | 49       | 69255770  | HIMELON             | M440339-1         | 2    | 2 | 2 | 2 | 2 |            | X |         |
| N         | 50       | 10219387  | HIMELON             | RJM506468-001V01  | 5    | 5 | 5 | 5 | 5 |            | X |         |
| N         | 51       | 10306463  | SIDE BRACKET        | RJM508544-001V01  | 4    | 4 | 4 | 4 | 4 |            | X |         |
|           | 52       | 69265870  | SPONGE              | M440591-1         | 1    | 1 | 1 | 1 | 1 | AB         | X | For FFC |
| N         | 53       | 10306477  | HOLDER/SP/A         | RJM508556-001V01  | 1    | 1 | 1 | 1 | 1 |            | X |         |
| N         | 54       | 10306478  | HOLDER/SP/B         | RJM508557-001V01  | 1    | 1 | 1 | 1 | 1 |            | X |         |

- 1 CDP-200R\_DI\_120V  
 2 CDP-200R\_DI\_230V  
 3 CDP-200R\_EU  
 4 CDP-200R\_UI\_UK  
 5 CDP-200R\_US

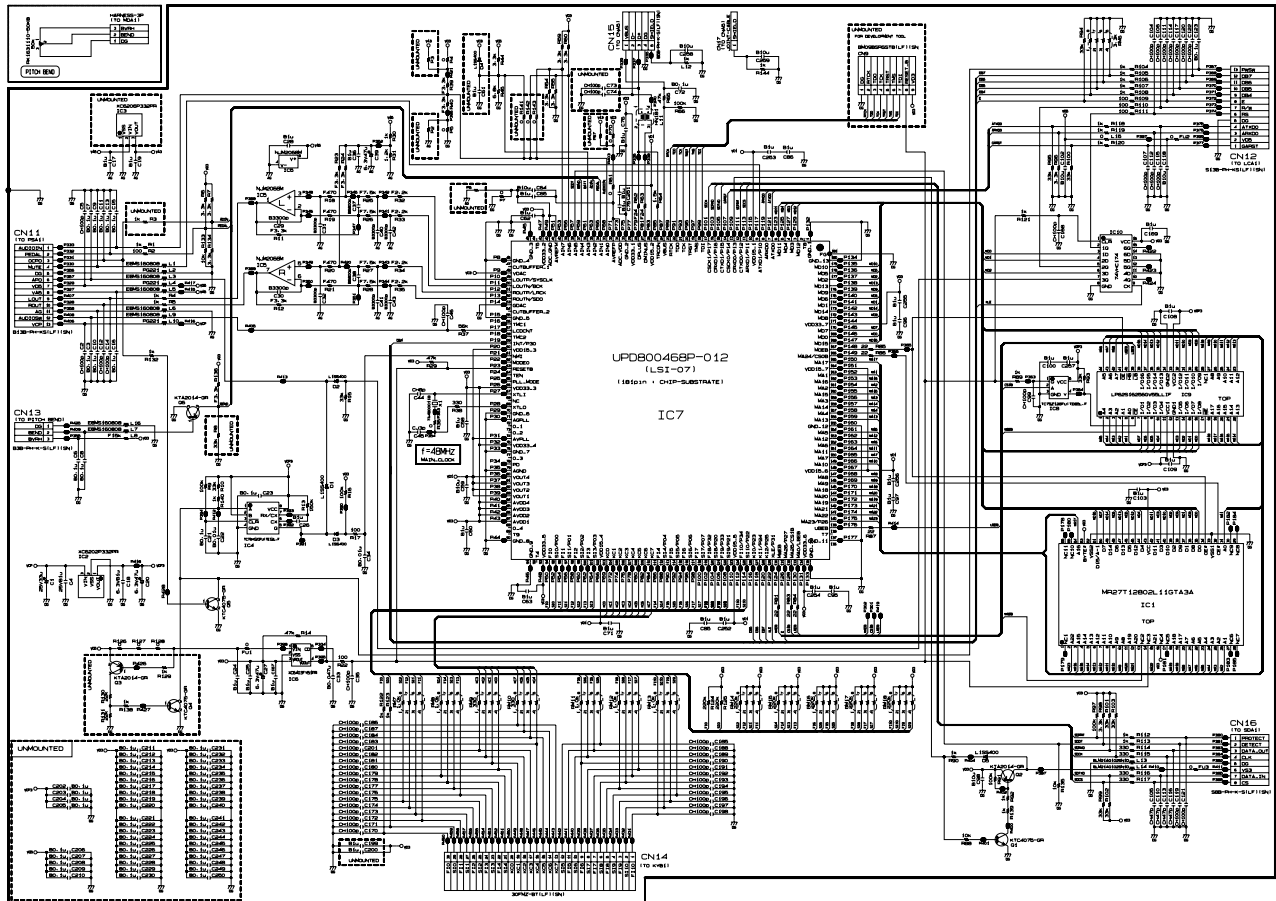
| N                     | Item      | Parts NO. | Parts Name          | Specification      | Q'TY |    |    |    |    | Price Code | R | Remarks |
|-----------------------|-----------|-----------|---------------------|--------------------|------|----|----|----|----|------------|---|---------|
|                       |           |           |                     |                    | 1    | 2  | 3  | 4  | 5  |            |   |         |
| N                     | 55        | 10175759  | PACKING             | RJM504745-001V01   | 5    | 5  | 5  | 5  | 5  | AA         | X |         |
|                       | 56        | 10175758  | PACKING             | RJM504744-001V01   | 1    | 1  | 1  | 1  | 1  |            | X |         |
| N                     | 57        | 10209204  | PACKING             | RJM506160-001V01   | 4    | 4  | 4  | 4  | 4  | AA         | X |         |
|                       | 58        | 10216009  | PACKING             | RJM506422-001V01   | 4    | 4  | 4  | 4  | 4  | AA         | X |         |
| N                     | 59        | 10209203  | PACKING             | RJM506157-001V01   | 1    | 1  | 1  | 1  | 1  |            | X |         |
|                       | 60        | 69321322  | PACKING             | M441333-1          | 4    | 4  | 4  | 4  | 4  | AA         | X |         |
| N                     | 61        | 10268012  | FERRITE CORE        | K5ARH16X9X17       | 1    | 1  | 1  | 1  | 1  | AX         | C |         |
|                       | 62        | 69264590  | SPONGE              | M440564-1          | 1    | 1  | 1  | 1  | 1  | AA         | X |         |
| <b>Key board assy</b> |           |           |                     |                    |      |    |    |    |    |            |   |         |
| N                     | 63        | 10294094  | PCB ASSY/KEY/RUBBER | TK-RJM506061*003   | 1    | 1  | 1  | 1  | 1  | CU         | C |         |
|                       | D801-D888 | 10294400  | DIODE               | LM1MA142WKT1G      | 88   | 88 | 88 | 88 | 88 |            | X |         |
| N                     | 64        | 37195442  | CABLE               | N30315B1B05-UL2896 | 1    | 1  | 1  | 1  | 1  | AO         | C |         |
|                       | 65        | 10133656  | RUBBER/CONATCT/AG   | RJM502920-001V01   | 7    | 7  | 7  | 7  | 7  | AK         | B |         |
| N                     | 66        | 10133635  | RUBBER/CONATCT/GC   | RJM502921-001V01   | 1    | 1  | 1  | 1  | 1  | AG         | B |         |
|                       | 67        | 10135317  | BLACK KEY           | RJM502797-001V01   | 36   | 36 | 36 | 36 | 36 | AC         | C |         |
| N                     | 68        | 10135426  | WHITE KEY/CEGB      | RJM502862-001V01   | 7    | 7  | 7  | 7  | 7  | AT         | C |         |
|                       | 69        | 10135427  | WHITE KEY/DFA       | RJM502863-001V01   | 7    | 7  | 7  | 7  | 7  | AQ         | C |         |
| N                     | 70        | 10135428  | WHITE KEY/B         | RJM502794-001V01   | 1    | 1  | 1  | 1  | 1  | AG         | C |         |
|                       | 71        | 10135429  | WHITE KEY/SA        | RJM502795-001V01   | 1    | 1  | 1  | 1  | 1  | AJ         | C |         |
| N                     | 72        | 10135430  | WHITE KEY/SC        | RJM502796-001V01   | 1    | 1  | 1  | 1  | 1  | AJ         | C |         |
|                       | 73        | 10208265  | HAMMER ASSY/W1      | TK-RJM506035*001   | 13   | 13 | 13 | 13 | 13 | AF         | C |         |
| N                     | 74        | 10208266  | HAMMER ASSY/W2      | TK-RJM506036*001   | 13   | 13 | 13 | 13 | 13 | AF         | C |         |
|                       | 75        | 10208267  | HAMMER ASSY/W3      | TK-RJM506037*001   | 13   | 13 | 13 | 13 | 13 | AF         | C |         |
| N                     | 76        | 10208269  | HAMMER ASSY/W4      | TK-RJM506038*001   | 13   | 13 | 13 | 13 | 13 | AF         | C |         |
|                       | 77        | 10208275  | HAMMER ASSY/B1      | TK-RJM506039*001   | 9    | 9  | 9  | 9  | 9  | AE         | C |         |
| N                     | 78        | 10208281  | HAMMER ASSY/B2      | TK-RJM506040*001   | 9    | 9  | 9  | 9  | 9  | AE         | C |         |
|                       | 79        | 10208286  | HAMMER ASSY/B3      | TK-RJM506041*001   | 9    | 9  | 9  | 9  | 9  | BJ         | C |         |
| N                     | 80        | 10208290  | HAMMER ASSY/B4      | TK-RJM506042*001   | 9    | 9  | 9  | 9  | 9  | AE         | C |         |
|                       | 81        | 10310740  | CHASSIS ASSY        | TK-RJM506053*007   | 1    | 1  | 1  | 1  | 1  |            | C |         |
| N                     | 82        | 10311215  | CUSHION/HAMMER      | RJM509043-001V01   | 1    | 1  | 1  | 1  | 1  | BI         | C |         |
| N                     | 83        | 10310741  | CASE ASSY/LOWER     | TK-RJM505967*005   | 1    | 1  | 1  | 1  | 1  |            | C |         |
| N                     | 84        | 10314506  | KEY ASSY            | TK-RJM506464*007   | 1    | 1  | 1  | 1  | 1  |            | A |         |
| <b>ACCESSORY</b>      |           |           |                     |                    |      |    |    |    |    |            |   |         |
| N                     | -         | 10133504  | PEDAL ASSY          | TK-RJM503195*001   | 1    | 1  | 1  | 1  | 1  | BN         | C |         |
|                       | -         | 10303050  | AC ADAPTOR          | AD-12ML(E)-FC1(D)  |      |    |    | 1  |    | DE         | C | For UK  |
| N                     | -         | 10303048  | AC ADAPTOR          | AD-12ML(U)-FC1(D)  | 1    |    |    |    | 1  | CW         | C | For US  |
|                       | -         | 10303049  | AC ADAPTOR          | AD-12MLGKA-FC1(D)  |      | 1  | 1  |    |    | DE         | C | *1      |
| N                     | -         | 10306488  | STAND/MUSIC         | RJM508666-001V01   | 1    | 1  | 1  | 1  | 1  |            | C |         |

\*1 : Three kinds of plugs(Euro, Austrailia, Korea) are bundled.

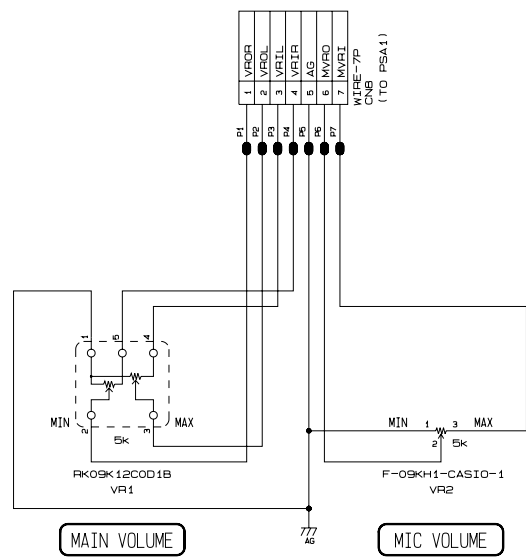


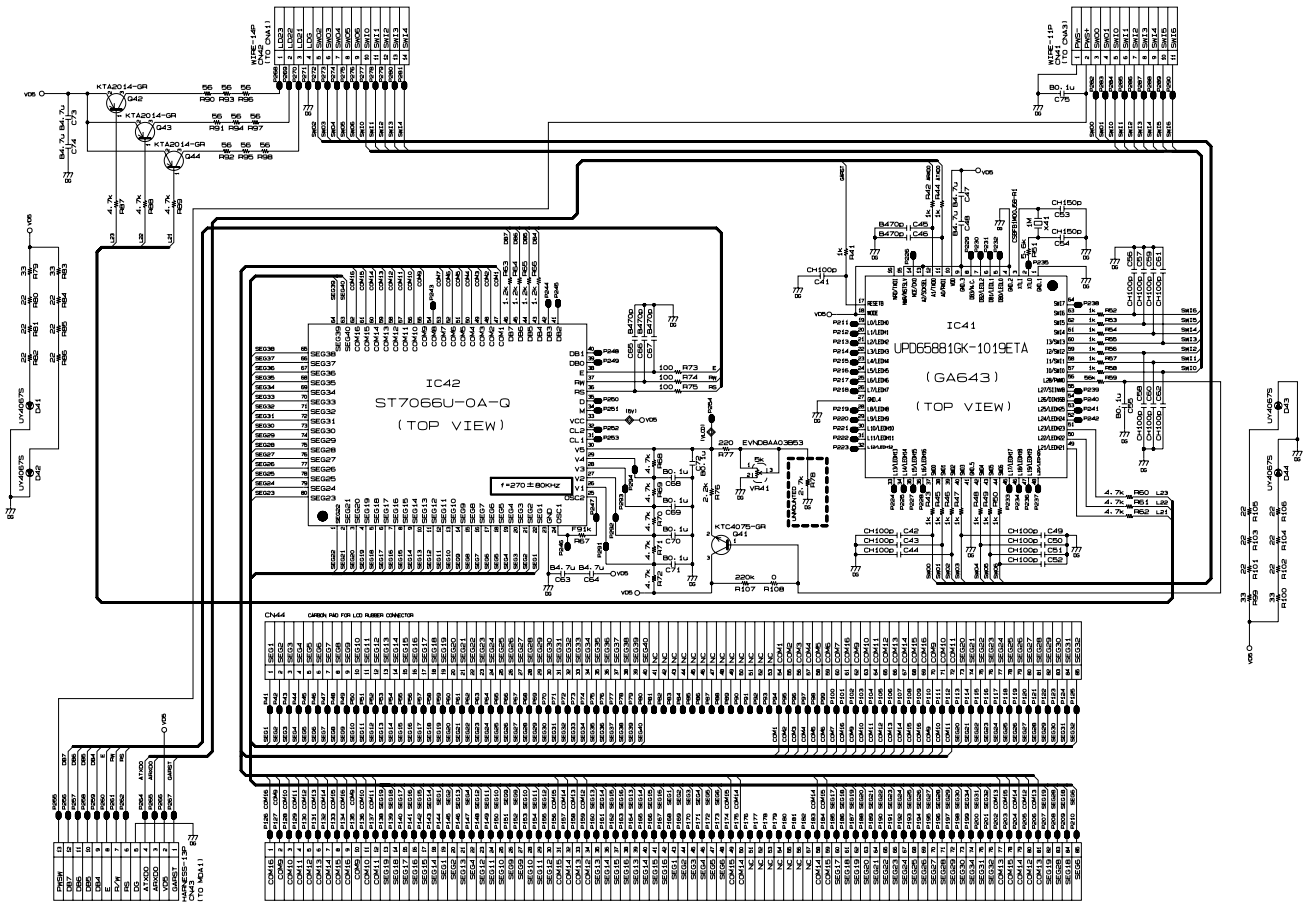
## SCHEMATIC DIAGRAMS

Main PCB M810-MDA1

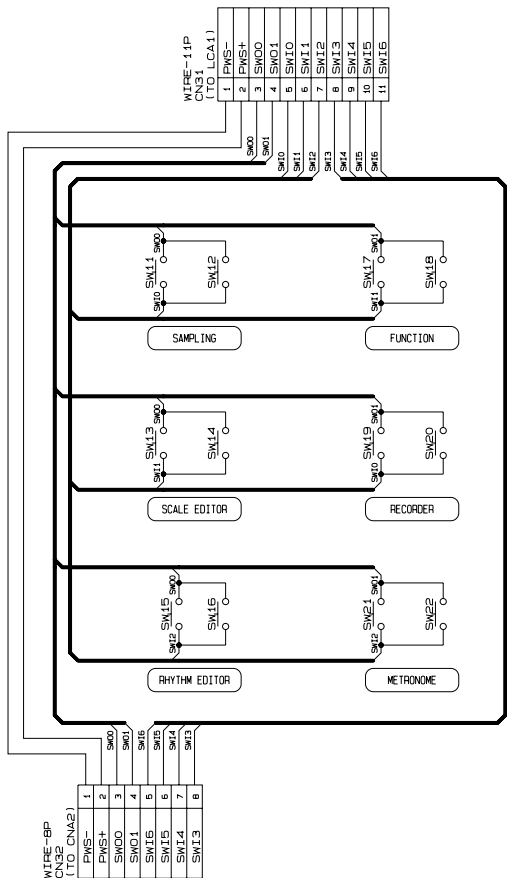




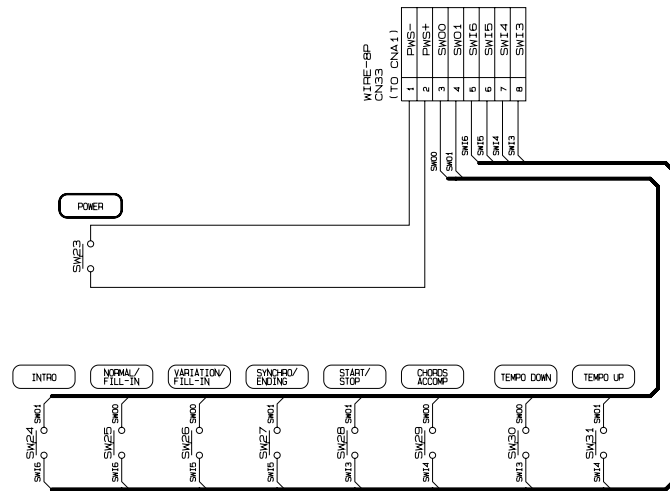




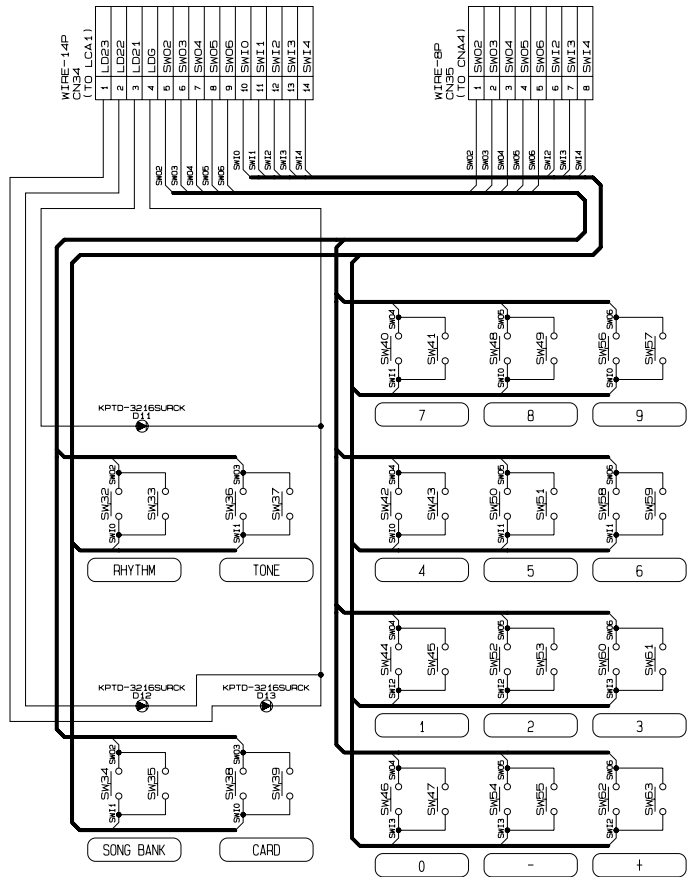
Console PCB M810-CNA1



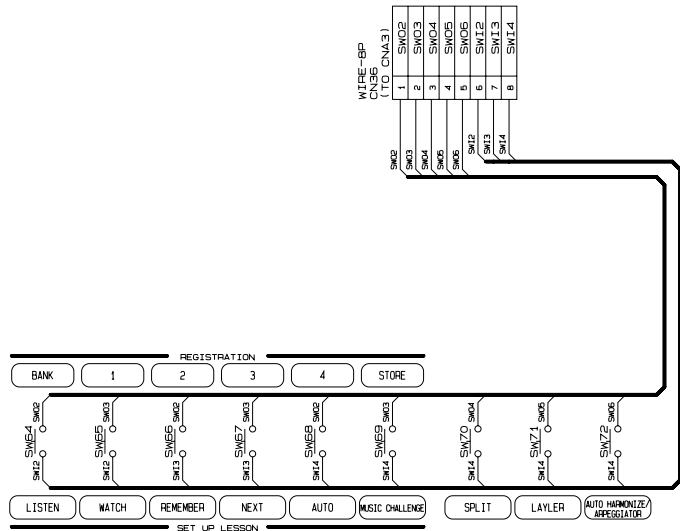
Console PCB M810-CNA2



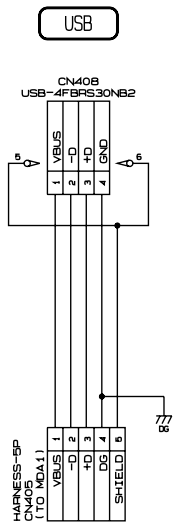
Console PCB M810-CNA3



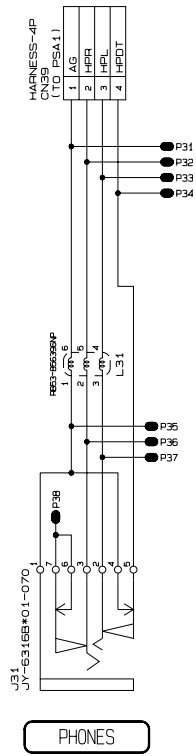
Console PCB M810-CNA4



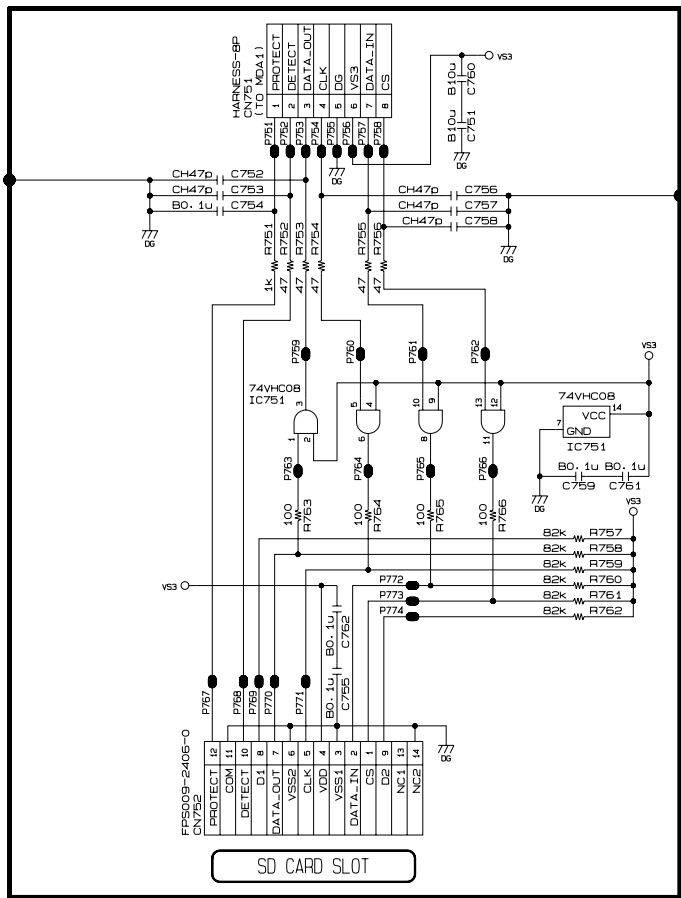
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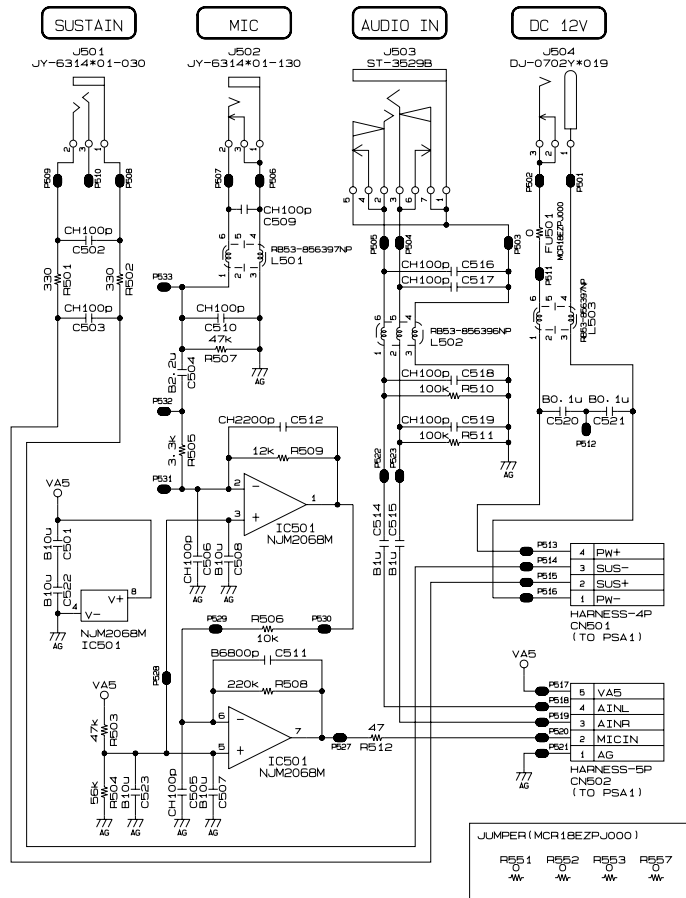
Console PCB M810-CNA6



SD card PCB M810-SDA1

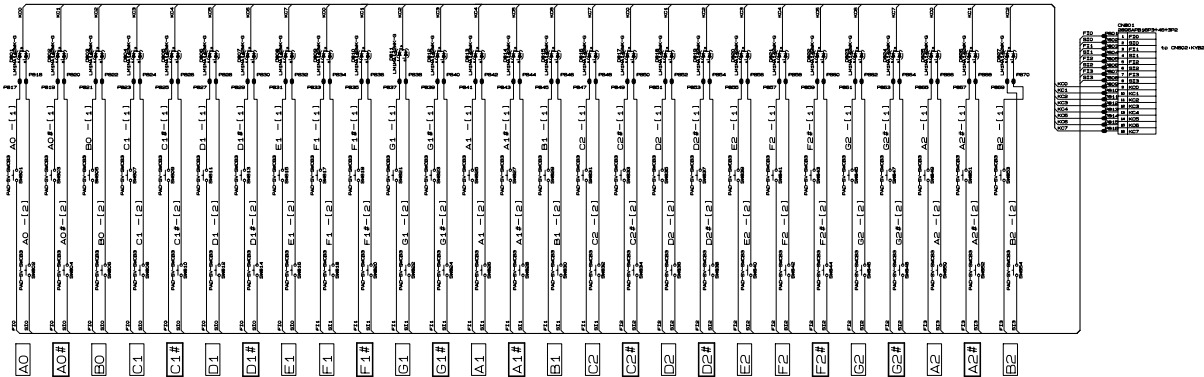


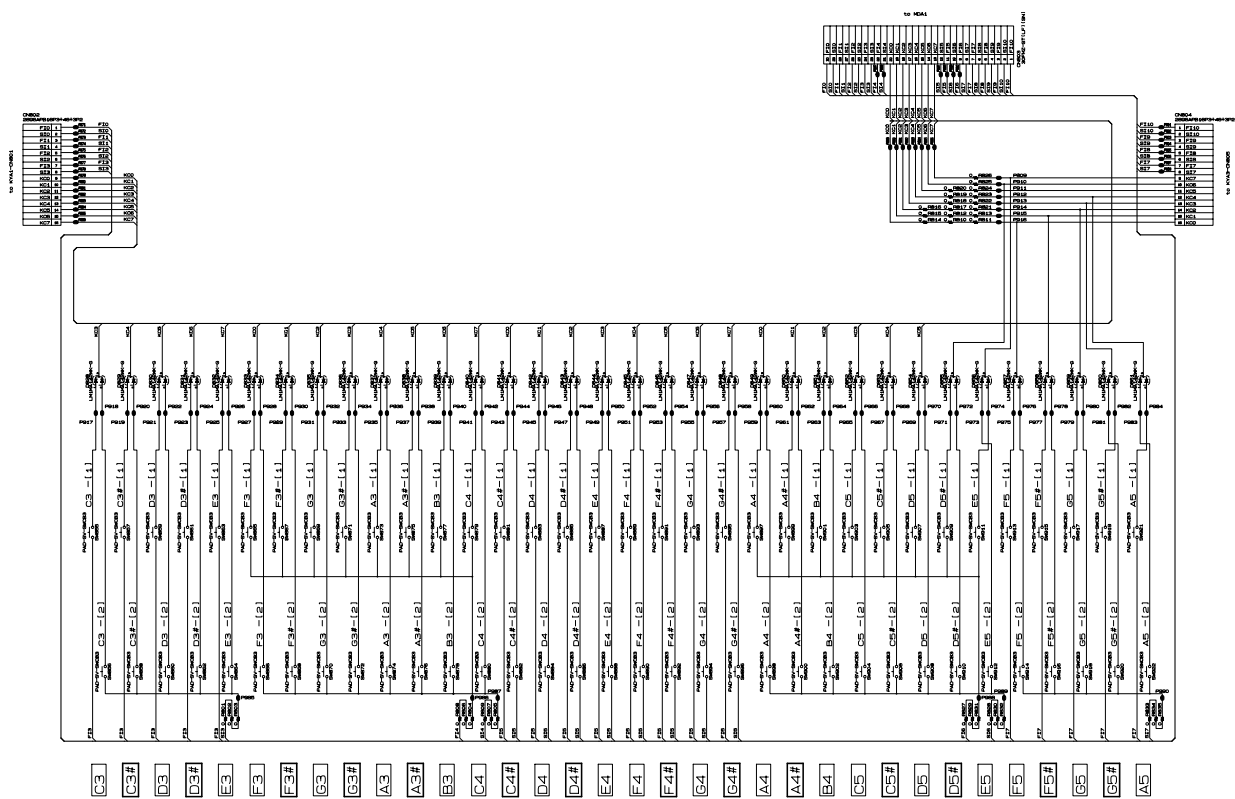
Jack PCB M810-jka1





PWB-MCZS-KYA1







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