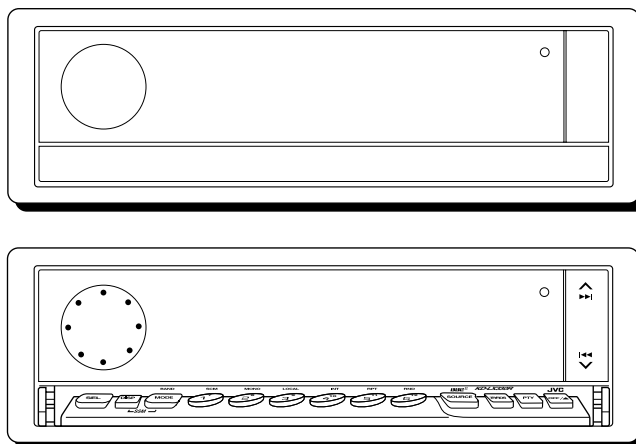
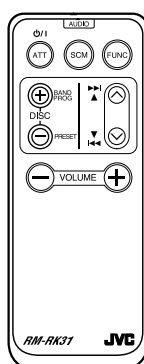


# JVC

## SERVICE MANUAL

### CD RECEIVER

## KD-LX330R/KD-LX110R



#### Area Suffix

##### KD-LX330R

E ..... Continental Europe  
EX ..... Central Europe

##### KD-LX110R

E ..... Continental Europe



| Difference point | LINE IN | SUBWOOFER OUT |
|------------------|---------|---------------|
| KD-LX330R        | O       | O             |
| KD-LX110R        | X       | X             |

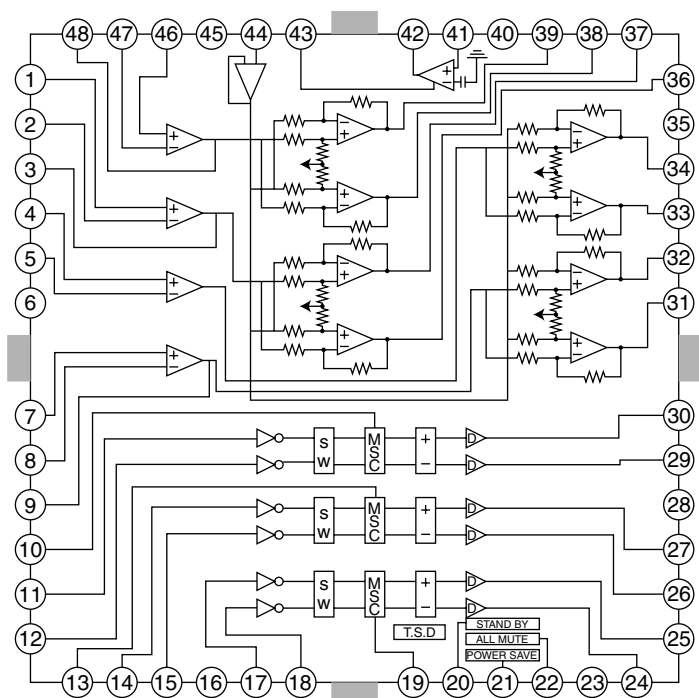
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# Description of major ICs

## ■ FAN8037 (IC661) : CD driver

### 1. Pin layout & Block diagram

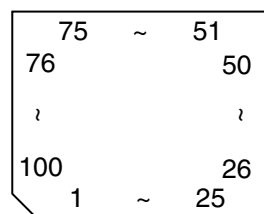


### 2. Pin function

| Pin No. | Symbol | I/O | Function                | Pin No. | Symbol | I/O | Function                 |
|---------|--------|-----|-------------------------|---------|--------|-----|--------------------------|
| 1       | IN2+   | I   | CH2 op-amp input(+)     | 25      | DO7+   | O   | CH7 drive output(+)      |
| 2       | IN2-   | I   | CH2 op-amp input(-)     | 26      | DO6-   | O   | CH6 drive output(-)      |
| 3       | OUT2   | O   | CH2 op-amp output       | 27      | DO6+   | O   | CH6 drive output(+)      |
| 4       | IN3+   | I   | CH3 op-amp input(+)     | 28      | PGND2  | -   | Power ground2            |
| 5       | IN3-   | I   | CH3 op-amp input(-)     | 29      | DO5-   | O   | CH5 drive output(-)      |
| 6       | OUT3   | O   | CH3 op-amp output       | 30      | DO5+   | O   | CH5 drive output(+)      |
| 7       | IN4+   | I   | CH4 op-amp input(+)     | 31      | DO4-   | O   | CH4 drive output(-)      |
| 8       | IN4-   | I   | CH4 op-amp input(-)     | 32      | DO4+   | O   | CH4 drive output(+)      |
| 9       | OUT4   | O   | CH4 op-amp output(+)    | 33      | DO3-   | O   | CH3 drive output(-)      |
| 10      | CTL1   | I   | CH5 motor speed control | 34      | DO3+   | O   | CH3 drive output(+)      |
| 11      | FWD1   | I   | CH5 forward input       | 35      | PGND1  | -   | Power ground1            |
| 12      | REV1   | I   | CH5 reverse input       | 36      | DO2-   | O   | CH2 drive output(-)      |
| 13      | CTL2   | I   | CH6 motor speed control | 37      | DO2+   | O   | CH2 drive output(+)      |
| 14      | FWD2   | I   | CH6 forward input       | 38      | DO1-   | O   | CH1 drive output(-)      |
| 15      | REV2   | I   | CH6 reverse input       | 39      | DO1+   | O   | CH1 drive output(+)      |
| 16      | SGND   | -   | Signal ground           | 40      | PVCC1  | -   | Power supply voltage     |
| 17      | FWD3   | I   | CH7 forward input       | 41      | REGOX  | I   | Regulator feedback input |
| 18      | REV3   | I   | CH7 reverse input       | 42      | REGX   | O   | Regulator output         |
| 19      | CTL3   | I   | CH7 motor speed control | 43      | RESX   | I   | Regulator reset input    |
| 20      | SB     | I   | Stand by                | 44      | VREF   | I   | Bias voltage input       |
| 21      | PS     | I   | Power save              | 45      | SVCC   | -   | Signal supply voltage    |
| 22      | MUTE   | I   | All mute                | 46      | IN1+   | I   | CH1 op-amp input(+)      |
| 23      | PVCC2  | -   | Power supply voltage    | 47      | IN1-   | I   | CH1 op-amp input(-)      |
| 24      | DO7-   | O   | CH7 drive output(-)     | 48      | OUT1   | O   | CH1 op-amp output        |

## ■ UPD784215AGC-128 (IC701) : UNIT CPU

### 1. Terminal Layout



### 2. Pin Function (1/2)

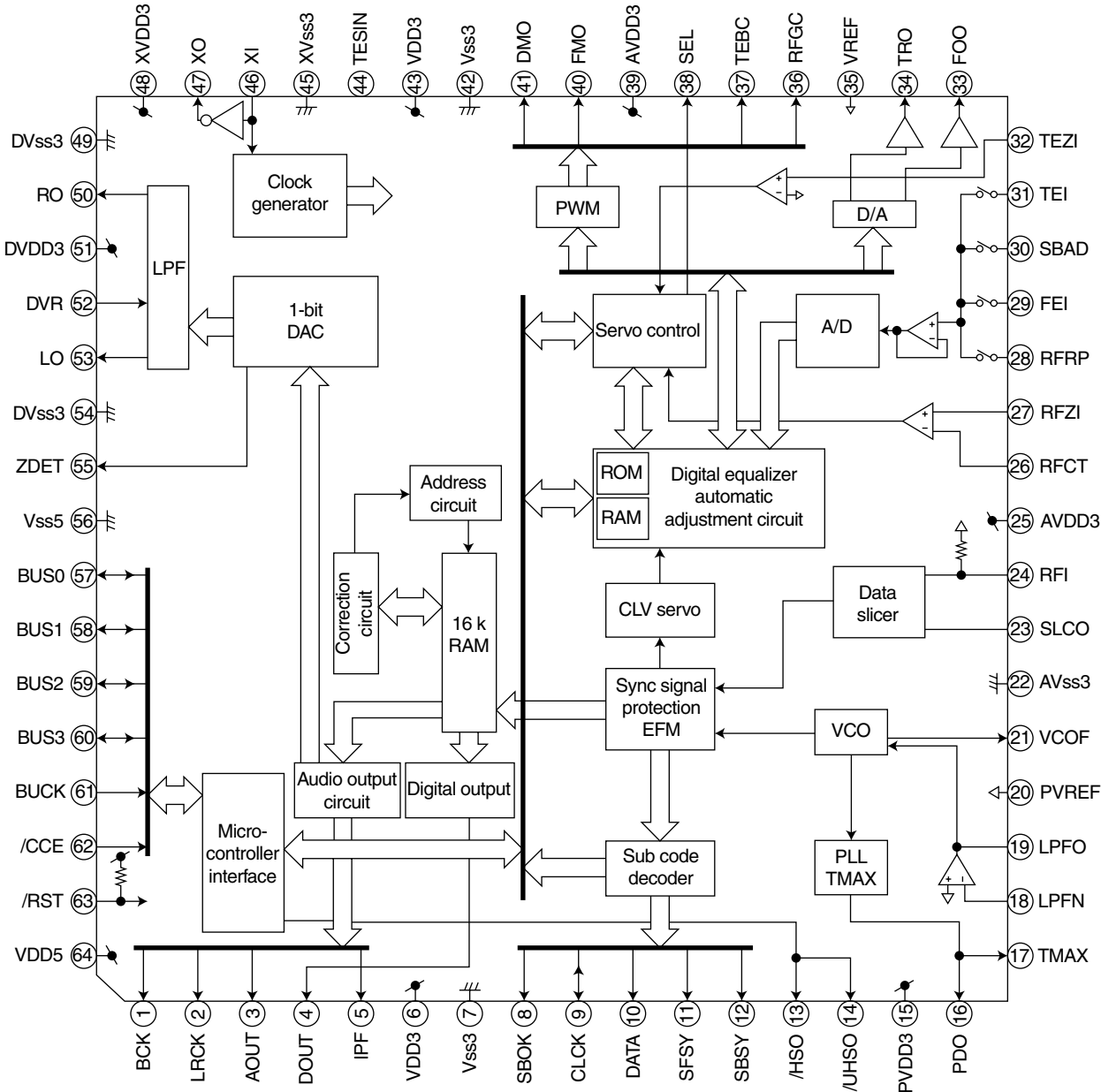
| Pin No. | Symbol     | I/O | Function  |
|---------|------------|-----|---|
| 1       | SW2        | I   | Detection switch of CD mechanism                                  |
| 2       | SW3        | I   | Detection switch of CD mechanism                                  |
| 3       | SW4        | I   | Detection switch of CD mechanism                                  |
| 4       | REST-SW    | I   | Reset signal input from CD mechanism                              |
| 5       | LM0        | O   | Loading motor control signal output                               |
| 6       | LM1        | O   | Loading motor control signal output                               |
| 7       | DIMMER-OUT | O   | Dimmer signal output  |
| 8       | LCD-PWR    | O   | LCD driver power supply control output H:ON                       |
| 9       | VDD        | -   | Power supply terminal   |
| 10      | X2         | -   | Connecting the crystal oscillator for system main clock           |
| 11      | X1         | -   | Connecting the crystal oscillator for system main clock           |
| 12      | VSS        | -   | Power supply terminal   |
| 13      | XT2        | -   | Connecting the crystal oscillator for system sub clock            |
| 14      | XT1        | -   | Connecting the crystal oscillator for system sub clock            |
| 15      | RESET      | I   | System reset signal input   |
| 16      | SW1        | I   | Detection switch of CD mechanism                                  |
| 17      | BUS-INT    | I   | Cut-in input for J-BUS signal                                     |
| 18      | PS2        | I   | Power save 2, Working together back up by H input, to stop mode   |
| 19      | CRUISE     | I   | Pulse signal input port for Cruise control                        |
| 20      | NC         | -   | Clock signal input for RDS  |
| 21      | NC         | -   | RDS data input  |
| 22      | REMOCON    | I   | Remote control signal input                                       |
| 23      | AVDD       | -   | Power supply terminal   |
| 24      | AVREF0     | -   | Power supply terminal   |
| 25      | VOL1       | I   | Input for rotation volume detection pulse judgment to relation V1 |
| 26      | VOL2       | I   | Input for rotation volume detection pulse judgment to relation V2 |
| 27      | KEY0       | I   | Key control signal input 0  |
| 28      | KEY1       | I   | Key control signal input 1  |
| 29      | KEY2       | I   | Key control signal input 2  |
| 30      | LEVEL      | I   | Signal input port of level meter                                  |
| 31      | NC         | I   | Non connect   |
| 32      | S.METER    | I   | S.Meter level input   |
| 33      | AVSS       | -   | Connect to GND  |
| 34      | W-VOL      | O   | Subwoofer volume control analogue output                          |
| 35      | DOT-CONT   | O   | Dot contrast signal output  |
| 36      | AVREF      | -   | Power supply terminal   |
| 37      | BUS-SI     | I   | J-BUS data input  |
| 38      | BUS-SO     | O   | J-BUS data output   |
| 39      | BUS-SCK    | I/O | J-BUS Clock signal I/O  |
| 40      | STAGE2     | I   | Initial setting   |
| 41      | LCD-DA     | O   | Data output to LCD driver   |
| 42      | LCDCL      | O   | Clock output to LCD driver  |

## Pin Function (2/2)

| Pin No. | Symbol    | I/O | Function   |
|---------|-----------|-----|--|
| 43      | LCD-CE1   | O   | Chip enable output to LCD driver                               |
| 44      | BUZZER    | O   | BUZZER control signal output                                   |
| 45      | E2PR-DA-I | I   | Data input terminal from EEPROM                                |
| 46      | E2PR-DA-O | O   | Data output terminal for EEPROM                                |
| 47      | E2PR-CLK  | O   | Clock signal I/O terminal with EEPROM                          |
| 48      | BUS-I/O   | I/O | J-BUS I/O signal terminal                                      |
| 49      | TM0       | O   | Tray motor negative signal output terminal                     |
| 50      | TM1       | O   | Tray motor positive signal output terminal                     |
| 51      | DM0       | O   | Door motor negative signal output terminal                     |
| 52      | DM1       | O   | Door motor positive signal output terminal                     |
| 53      | SD/ST     | I   | Station detector, Stereo signal input, H:Find Station L:Stereo |
| 54      | LOCAL     | O   | Local ON/OFF select signal output terminal                     |
| 55      | MONO      | O   | Monaural ON/OFF selecting output, H:MONO ON                    |
| 56~60   | CA-SW1~5  | I   | DOOR/TRAY open close detect switch signal input terminal       |
| 61,62   | NC        | -   | Non connect  |
| 63      | SEEK/STOP | O   | Auto seek/stop selecting output, H:Seek L:Stop                 |
| 64      | NC        | -   | Non connect  |
| 65      | FM/AM     | O   | Selecting output for FM/AM, L:FM H:AM                          |
| 66      | PLL-CE    | O   | CE output for IC control for PLL                               |
| 67      | PLL-DA    | O   | Data output for IC control for PLL                             |
| 68      | PLL-CK    | O   | Clock output for IC control for PLL                            |
| 69      | BAND IN   | I   | AM detect signal input   |
| 70      | NC        | -   | Non connect  |
| 71      | AMP KILL  | -   | Non connect  |
| 72      | VSS       | -   | Connect to GND   |
| 73      | DIMMER-IN | I   | DIMMER signal input terminal                                   |
| 74      | PS1       | I   | Power supply terminal  |
| 75      | POWER     | O   | Selecting output for power ON/OFF, H:power ON                  |
| 76      | CD-ON     | O   | Power supply control signal for CD H:CD                        |
| 77      | MUTE      | O   | MUTE output, L:MUTE ON   |
| 78      | W-LPF1    | O   | Subwoofer cut off frequency output 1                           |
| 79      | W-LPF2    | O   | Subwoofer cut off frequency output 2                           |
| 80      | W-MUTE    | O   | MUTE output for Subwoofer                                      |
| 81      | VDD       | -   | Power supply terminal  |
| 82      | VO-DA     | O   | Data output terminal   |
| 83      | VOL-CLK   | O   | Clock signal output terminal                                   |
| 84      | NC        | -   | Non connect  |
| 85      | GVSW      | O   | AGC/FE/TE amp gain change terminal                             |
| 86      | LCDRST    | O   | LCD reset signal output terminal                               |
| 87      | LCD-CE2   | O   | Chip enable 2 output terminal for LCD driver                   |
| 88      | DMK       | O   | Motor speed control signal output terminal                     |
| 89      | TMK       | O   | Tray motor control signal output terminal                      |
| 90      | NC        | -   | Non connect  |
| 91      | BUCK      | O   | Micon interface clock output terminal                          |
| 92      | CCE       | O   | Command and data sending/receiving chip enable signal output   |
| 93      | RST       | O   | Reset signal output terminal reset at "L" level                |
| 94      | TEST      | -   | Connect to GND   |
| 95~98   | BUS0~3    | I/O | Micon interface data input/output terminal                     |
| 99      | DISC SEL  | I   | Initial setting  |
| 100     | NC        | -   | Non connect  |

# ■TC9490FA (IC521) : DSP

## 1. Pin layout & Block diagram



## 2. Pin function (1/2)

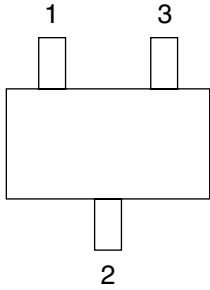
| Pin No. | Symbol | I/O | Function                                   |
|---------|--------|-----|--|
| 1       | BCK    | O   | Bit clock output terminal                  |
| 2       | LRCK   | O   | L/R channel clock output terminal          |
| 3       | AOUT   | O   | Audio data output terminal                 |
| 4       | DOUT   | O   | Digital data output terminal               |
| 5       | IPF    | O   | Correction flag output terminal            |
| 6       | VDD3   | -   | Digital 3.3V power supply voltage terminal |
| 7       | Vss3   | -   | Digital GND terminal                       |
| 8       | SBOK   | O   | Subcode Q data CRCC result output terminal |
| 9       | CLCK   | O   | Subcode P-W data read clock I/O terminal   |
| 10      | DATA   | O   | Subcode P-W data output terminal           |
| 11      | SFSY   | O   | Playback frame sync signal output terminal |
| 12      | SBSY   | O   | Subcode block sync signal output terminal  |
| 13      | /HSO   | O   | Playback speed mode output terminal        |

## 2. Pin function (2/2)

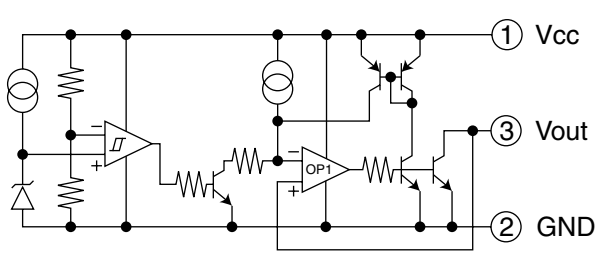
| Pin No. | Symbol | I/O | Function  |
|---------|--------|-----|---|
| 14      | /UHSO  | O   | Playback speed mode output terminal                         |
| 15      | PVDD3  | -   | PLL-only 3.3V power supply voltage terminal                 |
| 16      | PDO    | O   | EFM and PLCK phase difference signal output terminal        |
| 17      | TMAX   | O   | TMAX detection result output terminal                       |
| 18      | LPFN   | I   | Inverted input terminal for PLL LPF amp                     |
| 19      | LPFO   | O   | Output terminal for PLL LPF amp                             |
| 20      | PVREF  | -   | PLL-only VREF terminal                                      |
| 21      | VCOF   | O   | VCO filter terminal   |
| 22      | AVss3  | -   | Analog GND terminal   |
| 23      | SLCO   | O   | DAC output terminal for data slice level generation         |
| 24      | RFI    | I   | RF signal input terminal                                    |
| 25      | AVDD3  | -   | Analog 3.3V power supply voltage terminal                   |
| 26      | RFCT   | I   | RFRP signal center level input terminal                     |
| 27      | RFZI   | I   | RFRP signal zero-cross input terminal                       |
| 28      | RFRP   | I   | RF ripple signal input terminal                             |
| 29      | FEI    | I   | Focus error signal input terminal                           |
| 30      | SBAD   | I   | Sub-beam adder signal input terminal                        |
| 31      | TEI    | I   | Tracking error input terminal                               |
| 32      | TEZI   | I   | Tracking error signal zero-cross input terminal             |
| 33      | FOO    | O   | Focus equalizer output terminal                             |
| 34      | TRO    | O   | Tracking equalizer output terminal                          |
| 35      | VREF   | -   | Analog reference power supply voltage terminal              |
| 36      | RFGC   | O   | RF amplitude adjustment control signal output terminal      |
| 37      | TEBC   | O   | Tracking balance control signal output terminal             |
| 38      | SEL    | O   | APC circuit ON/OFF signal output terminal                   |
| 39      | AVDD3  | -   | Analog 3.3V power supply voltage terminal                   |
| 40      | FMO    | O   | Feed equalizer output terminal                              |
| 41      | DMO    | O   | Disc equalizer output terminal                              |
| 42      | Vss3   | -   | Digital GND terminal  |
| 43      | VDD3   | -   | Digital 3.3V power supply voltage terminal                  |
| 44      | TESIN  | I   | Test input terminal   |
| 45      | XVss3  | -   | System clock oscillator GND terminal                        |
| 46      | XI     | I   | System clock oscillator input terminal                      |
| 47      | XO     | O   | System clock oscillator output terminal                     |
| 48      | XVDD3  | -   | System clock oscillator 3.3V power supply voltage terminal  |
| 49      | DVss3  | -   | DA converter GND terminal                                   |
| 50      | RO     | O   | R-channel data forward output terminal                      |
| 51      | DVDD3  | -   | DA converter 3.3V power supply terminal                     |
| 52      | DVR    | -   | Reference voltage terminal                                  |
| 53      | LO     | O   | L-channel data forward output terminal                      |
| 54      | DVss3  | -   | DA converter GND terminal                                   |
| 55      | ZDET   | O   | 1 bit DA converter zero data detection flag output terminal |
| 56      | Vss5   | -   | Microcontroller interface GND terminal                      |
| 57      | BUS0   | I/O | Microcontroller interface data I/O terminal                 |
| 58      | BUS1   | I/O | Microcontroller interface data I/O terminal                 |
| 59      | BUS2   | I/O | Microcontroller interface data I/O terminal                 |
| 60      | BUS3   | I/O | Microcontroller interface data I/O terminal                 |
| 61      | BUCK   | I   | Microcontroller interface clock input terminal              |
| 62      | /CCE   | I   | Microcontroller interface chip enable signal input terminal |
| 63      | /RST   | I   | Reset signal input terminal                                 |
| 64      | VDD5   | -   | Microcontroller interface 5V power supply terminal          |

000874360-T (IC702) : System reset

1. Pin layout

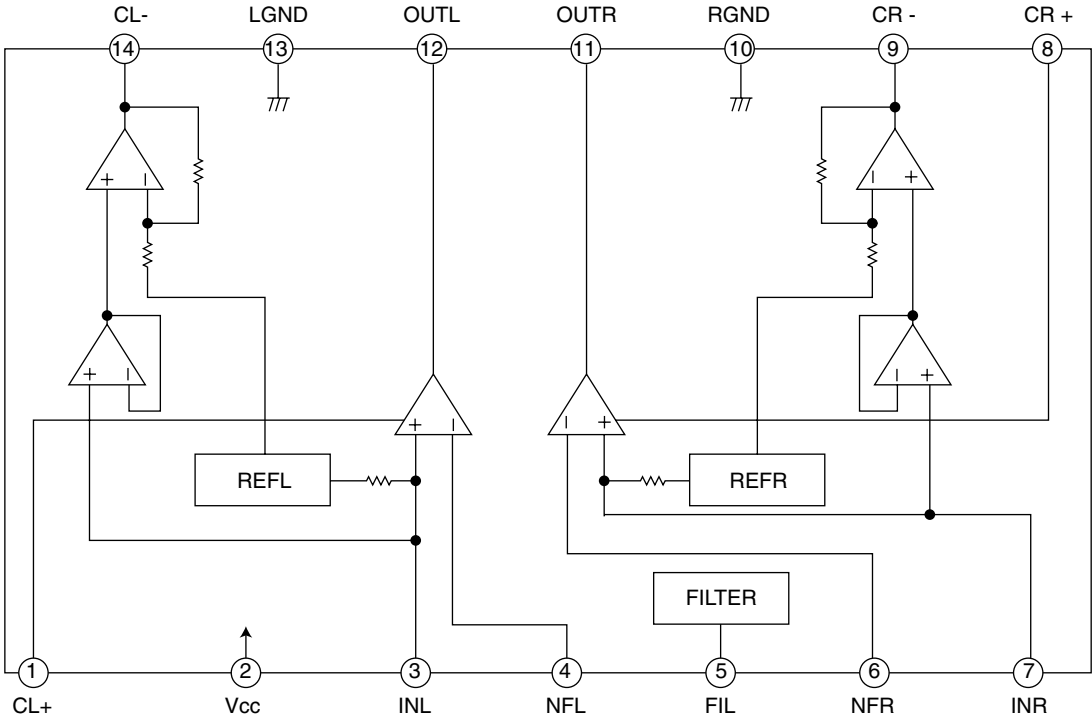


2. Block diagram



BA3220FV-X (IC301,IC401) : Driver

1. Pin layout & Block diagram

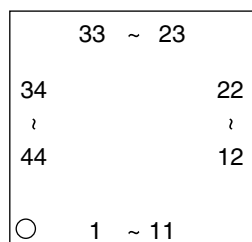


2. Pin function

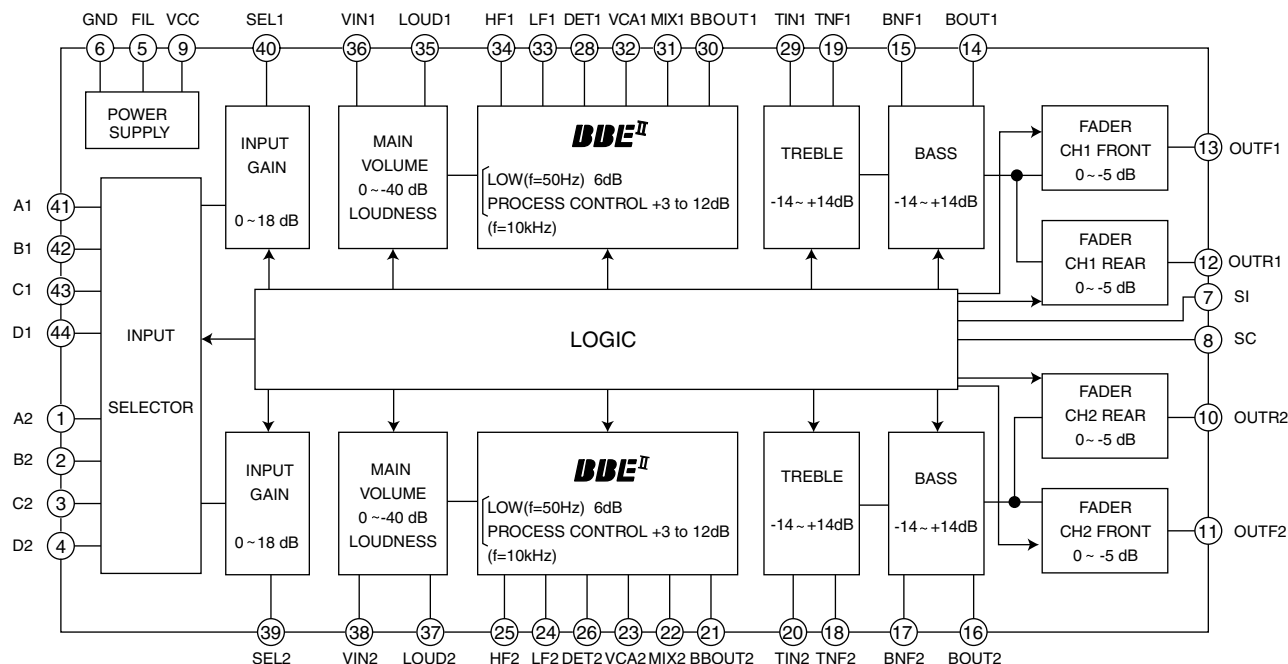
| Pin No. | Symbol | Function                         |
|---------|--------|----------------------------------|
| 1       | CL+    | Powe supply terminal for amp.    |
| 2       | Vcc    | power supply terminal.           |
| 3       | INL    | input terminal.                  |
| 4       | NFL    | Negative feedback terminal.      |
| 5       | FIL    | Filter terminal.                 |
| 6       | NFR    | Negative feedback terminal.      |
| 7       | INR    | Input terminal                   |
| 8       | CR+    | Power supply terminal for amp.   |
| 9       | CR-    | Output terminal of internal amp. |
| 10      | RGND   | Rch GND terminal.                |
| 11      | OUTR   | Rch output terminal.             |
| 12      | OUTL   | Lch output terminal.             |
| 13      | LGND   | Lch GND terminal.                |
| 14      | CL-    | Output terminal of internal amp. |

## BD3860K (IC911) : E. volume

### 1. Terminal layout



### 2. Block diagram



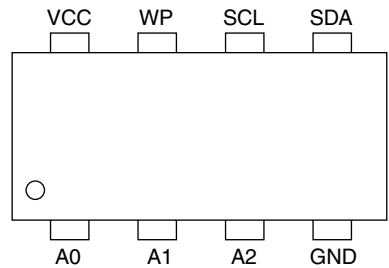
### 3. Pin function

| Pin No. | Symbol | Function                                   | Pin No. | Symbol | Function                                      |
|---------|--------|--|---------|--------|---|
| 1       | A2     | CH2 Input Pin A                            | 23      | VCA2   | CH2 High Pass VCA Output Pin                  |
| 2       | B2     | CH2 Input Pin B                            | 24      | LF2    | CH2 Low Pass Filter Setting Pin               |
| 3       | C2     | CH2 Input Pin C                            | 25      | HF2    | CH2 High Pass Filter Setting Pin              |
| 4       | D2     | CH2 Input Pin D                            | 26      | DET2   | CH2 High Pass Attack/Release Time Setting Pin |
| 5       | FIL    | 1/2 VCC Pin                                | 27      | NC     | Non connect                                   |
| 6       | GND    | Ground Pin                                 | 28      | DET1   | CH1 High Pass Attack/Release Time Setting Pin |
| 7       | SI     | Serial Data Receiving Pin                  | 29      | TIN1   | CH1 treble Input Pin                          |
| 8       | SC     | Serial Clock Receiving Pin                 | 30      | BBOUT1 | CH1 BBE II Signal Output Pin                  |
| 9       | VCC    | Power Supply Pin                           | 31      | MIX1   | CH1 Output MIX Amplifier Inverse Input Pin    |
| 10      | OUTR2  | CH2 Rear Output Pin                        | 32      | VCA1   | CH1 High Pass VCA Output Pin                  |
| 11      | OUTF2  | CH2 Front Output Pin                       | 33      | LF1    | CH1 Low Pass Filter Setting Pin               |
| 12      | OUTR1  | CH1 Rear Output Pin                        | 34      | HF1    | CH1 High Pass Filter Setting Pin              |
| 13      | OUTF1  | CH1 Front Output Pin                       | 35      | LOUD1  | CH1 Loudness Filter Setting Pin               |
| 14      | BOUT1  | CH1 Bass Filter Setting Pin                | 36      | VIN1   | CH1 Main Volume Input Pin                     |
| 15      | BNF1   | CH1 Bass Filter Setting Pin                | 37      | LOUD2  | VCH2 Loudness Filter setting Pin              |
| 16      | BOUT2  | CH2 Bass Filter Setting Pin                | 38      | VIN2   | CH2 Main Volume Input Pin                     |
| 17      | BNF2   | CH2 Bass Filter Setting Pin                | 39      | SEL2   | CH2 Input Gain Output Pin                     |
| 18      | TNF2   | CH2 treble Filter Setting Pin              | 40      | SEL1   | CH1 Input Gain output Pin                     |
| 19      | TNF1   | CH1 treble Filter Setting Pin              | 41      | A1     | CH1 Input Pin A                               |
| 20      | TIN2   | CH2 treble Input Pin                       | 42      | B1     | CH1 Input Pin B                               |
| 21      | BBOUT2 | CH2 BBE II Signal Output Pin               | 43      | C1     | CH1 Input Pin C                               |
| 22      | MIX2   | CH2 Output MIX Amplifier Inverse Input Pin | 44      | D1     | CH1 Input Pin D                               |



■ BR24C16F-X (IC703) : EEPROM

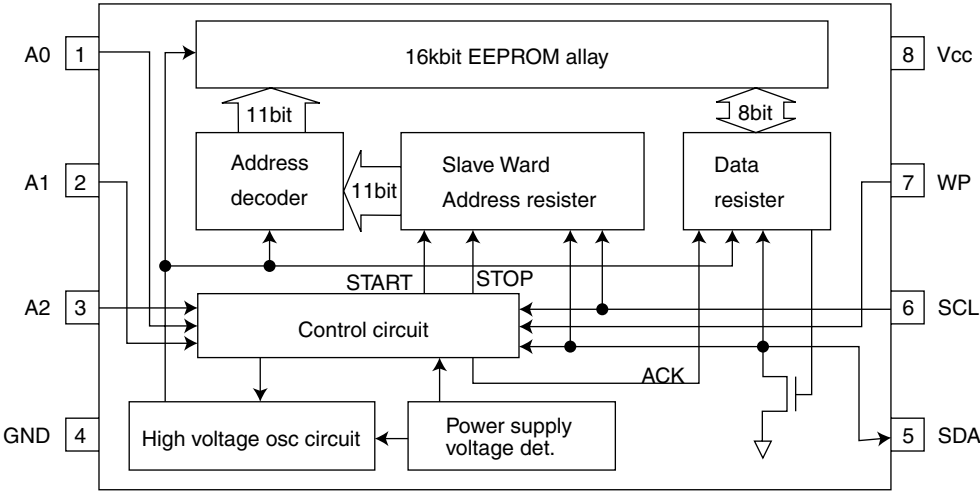
1. Pin layout



2. Pin function

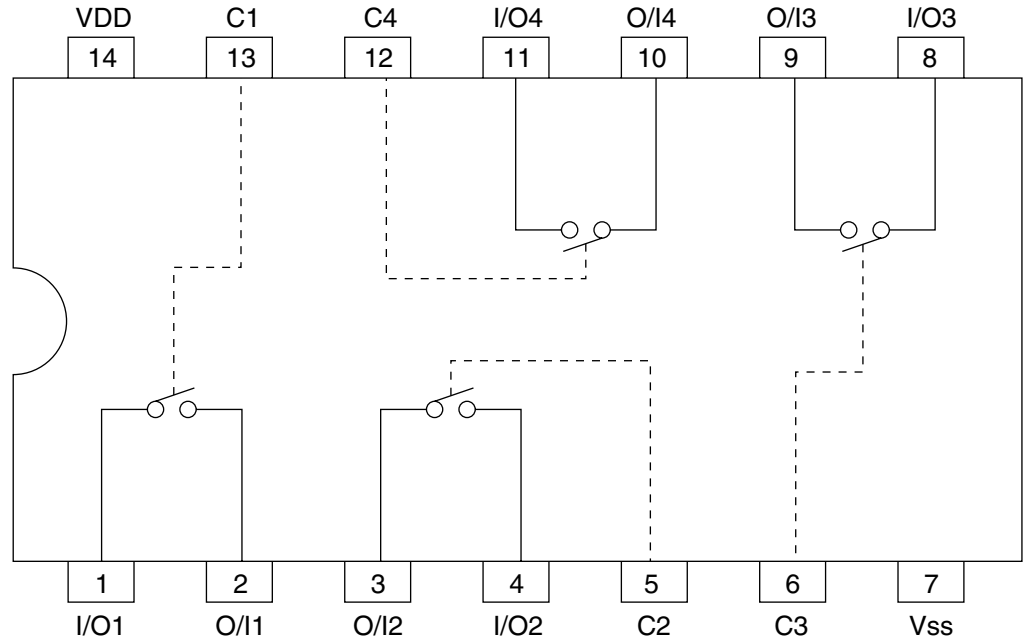
| Symbol   | I/O | Function                                   |
|----------|-----|--|
| VCC      | -   | Power supply.                              |
| GND      | -   | GND  |
| A0,A1,A2 | I   | No use connect to GND.                     |
| SCL      | I   | Serial clock input.                        |
| SDA      | I/O | Serial data I/O of slave and ward address. |
| WP       | I   | Write protect terminal.                    |

3. Block diagram



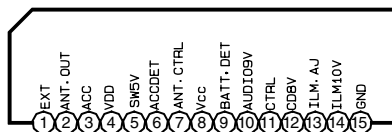
■ BU4066BCFV-X (IC322) : Quad analog switch

1. Pin layout & Block diagram

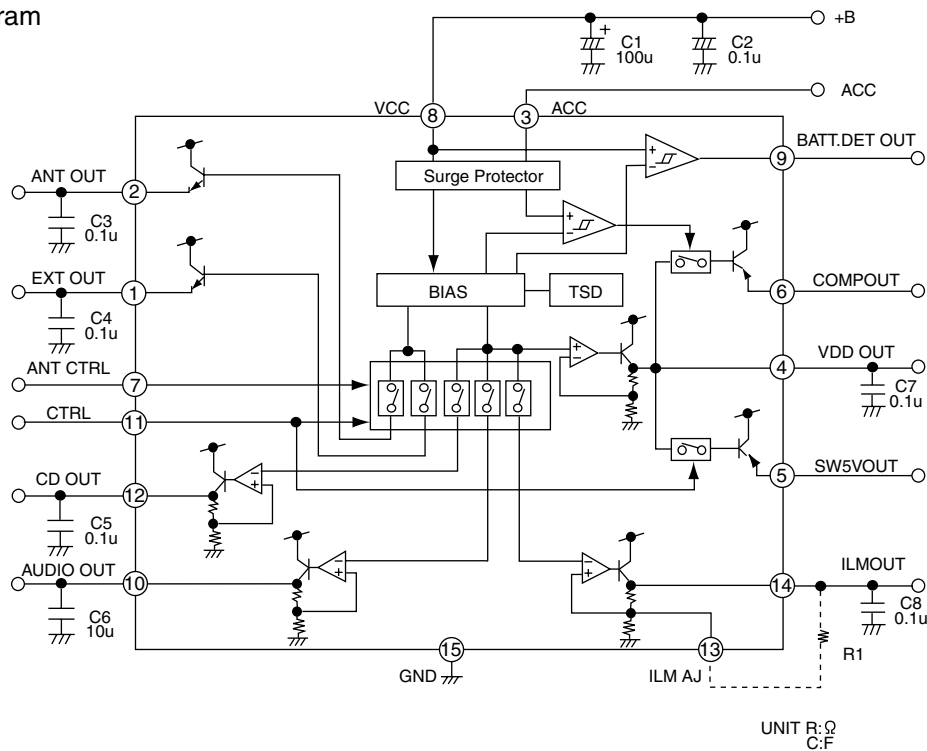


## HA13164 (IC961) : Regulator

### 1. Terminal layout



### 2. Block diagram



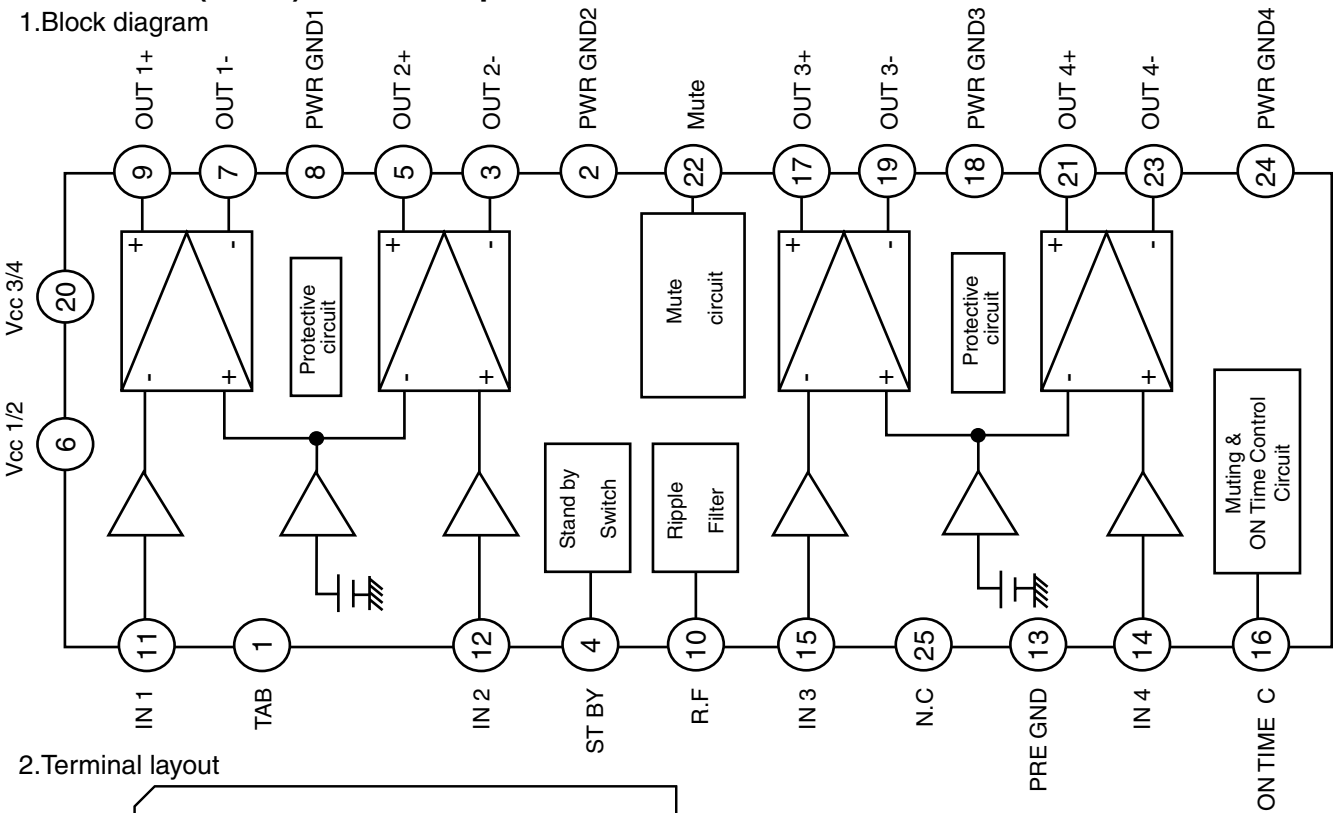
note1) TAB (header of IC)  
connected to GND

### 3. Pin function

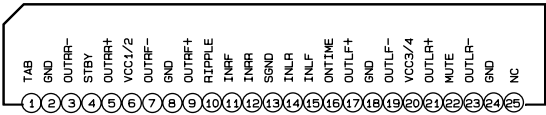
| Pin No. | Symbol    | Function   |
|---------|-----------|--|
| 1       | EXTOUT    | Output voltage is VCC-1 V when M or H level applied to CTRL pin.                 |
| 2       | ANTOUT    | Output voltage is VCC-1 V when M or H level to CTRL pin and H level to ANT-CTRL. |
| 3       | ACCIN     | Connected to ACC.  |
| 4       | VDDOUT    | Regular 5.7V.  |
| 5       | SW5VOUT   | Output voltage is 5V when M or H level applies to CTRL pin.                      |
| 6       | COMPOUT   | Output for ACC detector.   |
| 7       | ANT CTRL  | L:ANT output OFF, H:ANT output ON  |
| 8       | VCC       | Connected to VCC.  |
| 9       | BATT DET  | Low battery detect.  |
| 10      | AUDIO OUT | Output voltage is 9V when M or H level applied to CTRL pin.                      |
| 11      | CTRL      | L:BIAS OFF, M:BIAS ON, H:CD ON   |
| 12      | CD OUT    | Output voltage is 8V when H level applied to CTRL pin.                           |
| 13      | ILM AJ    | Adjustment pin for ILM output voltage.   |
| 14      | ILM OUT   | Output voltage is 10V when M or H level applies to CTRL pin.                     |
| 15      | GND       | Connected to GND.  |

■ LA4743K (IC941) : Power amp

1.Block diagram



2.Terminal layout

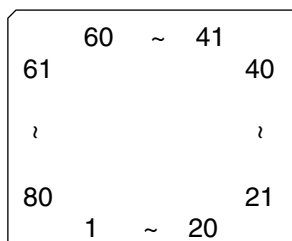


3.Pin function

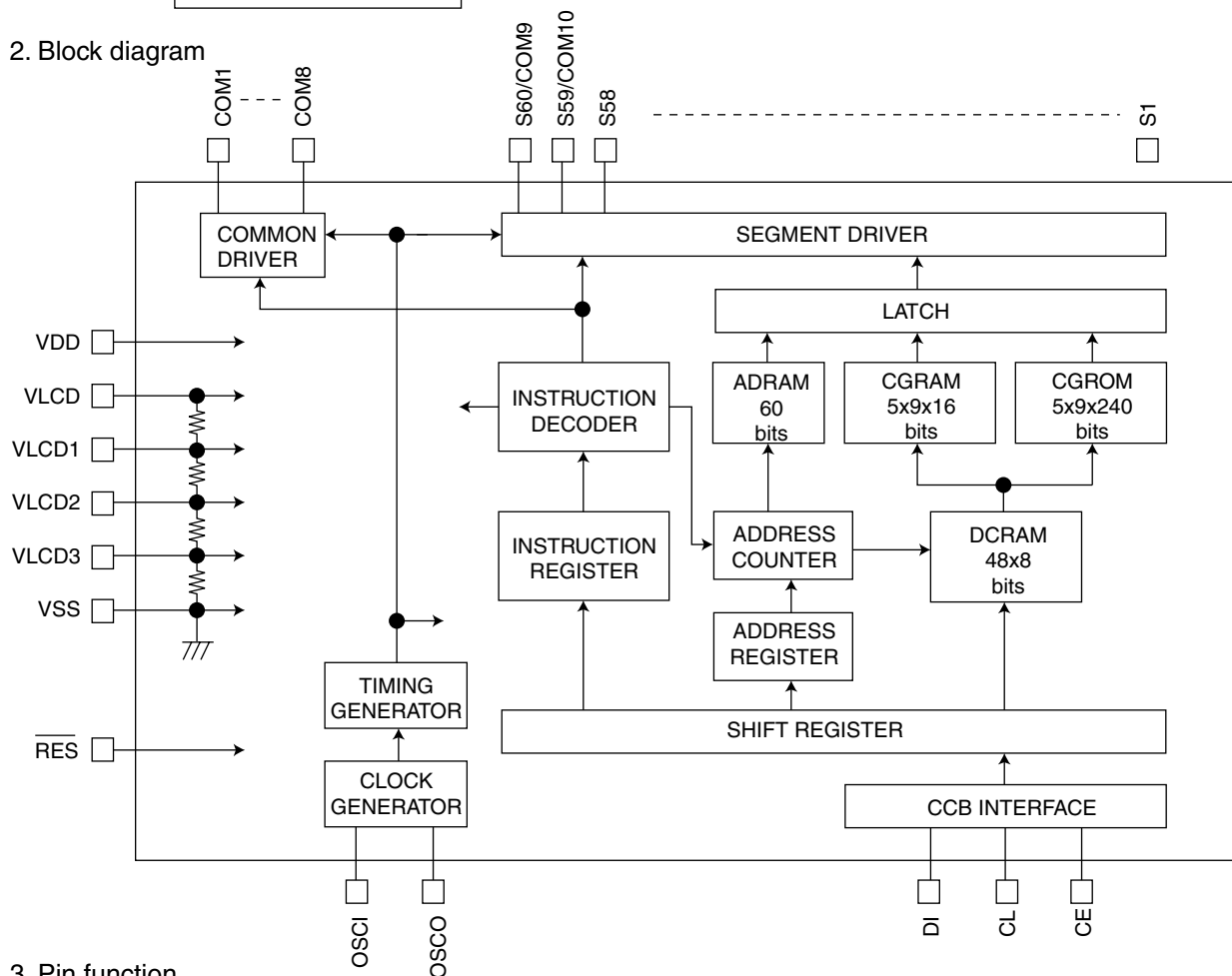
| Pin No. | Symbol | Function                 |
|---------|--------|--------------------------|
| 1       | TAB    | Header of IC             |
| 2       | GND    | Power GND                |
| 3       | OUTRR- | Output(-) for front Rch  |
| 4       | STBY   | Stand by input           |
| 5       | OUTRR+ | Output (+) for front Rch |
| 6       | VCC1/2 | Power input              |
| 7       | OUTRF- | Output (-) for rear Rch  |
| 8       | GND    | Power GND                |
| 9       | OUTRF+ | Output (+) for rear Rch  |
| 10      | RIPPLE | Ripple filter            |
| 11      | INRF   | Rear Rch input           |
| 12      | INRR   | Front Rch input          |
| 13      | SGND   | Signal GND               |
| 14      | INLR   | Front Lch input          |
| 15      | INLF   | Rear Lch input           |
| 16      | ONTIME | Power on time control    |
| 17      | OUTLF+ | Output (+) for rear Lch  |
| 18      | GND    | Power GND                |
| 19      | OUTLF- | Output (-) for rear Lch  |
| 20      | VCC3/4 | Power input              |
| 21      | OUTLR+ | Output (+) for front     |
| 22      | MUTE   | Muting control input     |
| 23      | OUTLR- | Output (-) for front     |
| 24      | GND    | Power GND                |
| 25      | NC     | Non connection           |

## ■ LC75811W (IC602) : LCD driver

### 1. Pin layout



### 2. Block diagram

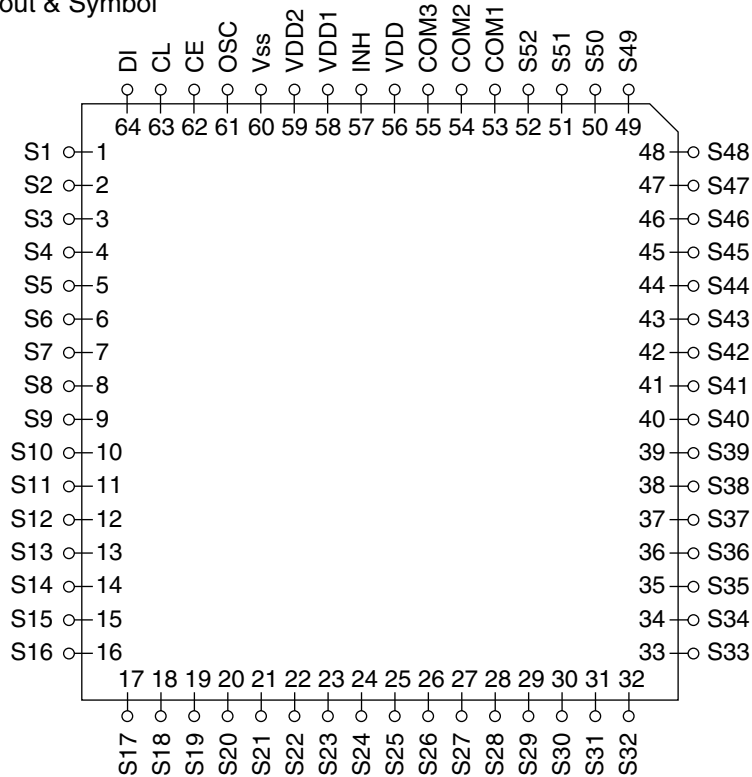


### 3. Pin function

| Pin No. | Symbol      | I/O | Function                            |
|---------|-------------|-----|-------------------------------------|
| 1~58    | S3~S60      | O   | Segment driver output terminal      |
| 59      | COM0        | O   | Common driver output terminal       |
| 60~65   | COM3~COM8   | O   | Common driver output terminal       |
| 66      | COM1        | O   | Common driver output terminal       |
| 67      | VDD         | -   | Power supply for logic section      |
| 68      | VLCD        | -   | Power supply for LCD driver section |
| 69~71   | VLCD1~VLCD3 | I   | LCD voltage input terminal          |
| 72      | VSS         | -   | Connect to ground                   |
| 73      | OSCO        | O   | Oscillation output terminal         |
| 74      | OSCI        | I   | Oscillation input terminal          |
| 75      | RES         | I   | Reset signal input terminal         |
| 76      | CE          | I   | Chip enable input terminal          |
| 77      | CL          | I   | Clock signal input terminal         |
| 78      | DI          | I   | Serial data input terminal          |
| 79~80   | S1~S2       | O   | Segment driver output terminal      |

■ LC75823W (IC602) : LCD driver

1. Pin Layout & Symbol

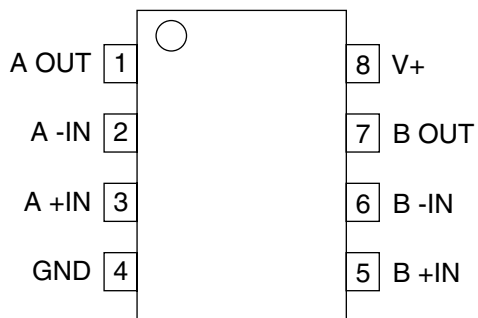


2. Pin Function

| Pin No.  | Symbol           | I/O | Function   |
|----------|------------------|-----|--|
| 1 to 52  | S1 to S52        | O   | Segment output pins used to display data transferred by serial data input.   |
| 53 to 55 | COM1 to COM3     | O   | Common driver output pins. The frame frequency is given by : $t_0 = (f_{osc}/384)Hz$ .   |
| 56       | VDD              | --  | Power supply connection. Provide a voltage of between 4.5 and 6.0V.  |
| 57       | $\overline{INH}$ | I   | Display turning off input pin.<br>$\overline{INT} = "L"$ (Vss) ----- off (S1 to S52, COM1 to COM3 = "L")<br>$\overline{INT} = "H"$ (VDD) ----- on<br>Serial data can be transferred in display off mode. |
| 58       | VDD1             | I   | Used for applying the LCD drive 2/3 bias voltage externally.<br>Must be connected to VDD2 when a 1/2 bias drive scheme is used.  |
| 59       | VDD2             | I   | Used for applying the LCD drive 1/3 bias voltage externally.<br>Must be connected to VDD1 when a 1/2 bias drive scheme is used.  |
| 60       | Vss              | --  | Power supply connection. Connect to GND.   |
| 61       | OSC              | I/O | Oscillator connection.<br>An oscillator circuit is formed by connecting an external resistor and capacitor at this pin.  |
| 62       | CE               | I   | Serial data interface connection to the controller. CE : Chip enable   |
| 63       | CL               |     | CL : Sync clock  |
| 64       | DI               |     | DI : Transfer data   |

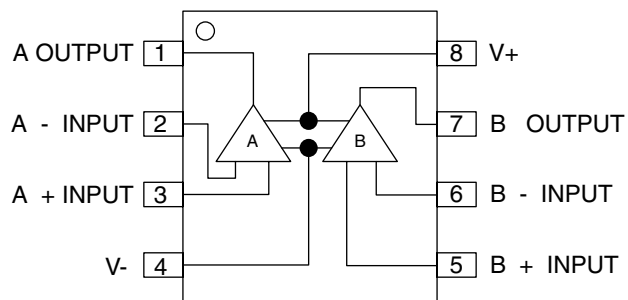
## ■ NJM2904M (IC951) : Dual ope amp

### 1. Pin layout



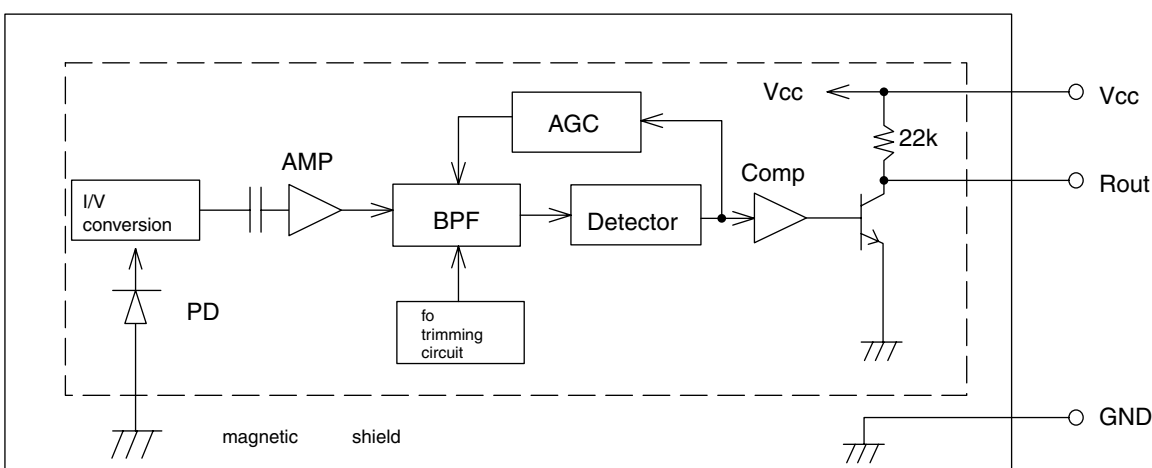
## ■ NJM4565MD (IC323,IC960) : Ope amp

### 1. Pin layout & Block diagram



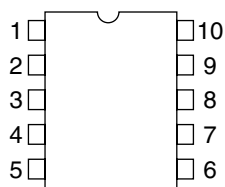
## ■ RPM6938-SV4 (IC603) : Remote censor

### 1. Block diagram

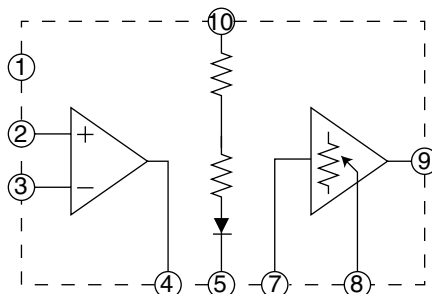


## ■ M5282FP-XE (IC321) : E. volume

### 1. Pin layout



### 2. Block diagram

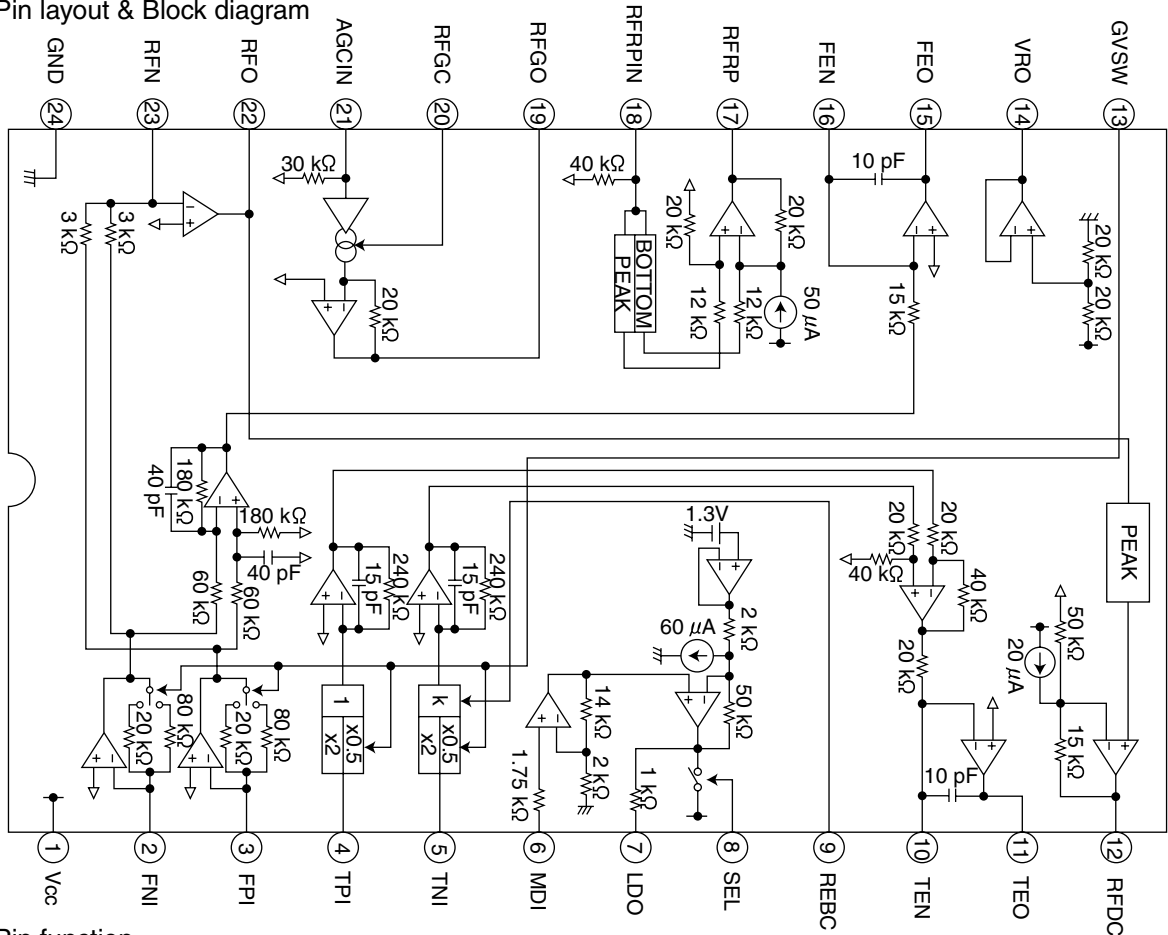


### 3. Pin function

| Pin No. | Symbol  | Function                                 |
|---------|---------|--|
| 1       | Vcc/2   | Vcc/2 output for microphone amp.         |
| 2       | Amp+IN  | Microphone amp. positive input terminal. |
| 3       | Amp-IN  | Microphone amp. negative input terminal. |
| 4       | Amp OUT | Microphone amp. output terminal.         |
| 5       | GND     | Ground.                                  |
| 6       | NC      | Non connection.                          |
| 7       | VCA IN  | VCA input terminal.                      |
| 8       | Vc      | VCA control terminal.                    |
| 9       | VCA OUT | VCA output terminal.                     |
| 10      | Vcc     | Power supply.                            |

# ■ TA2147F-X (IC601) : Head amp

## 1. Pin layout & Block diagram

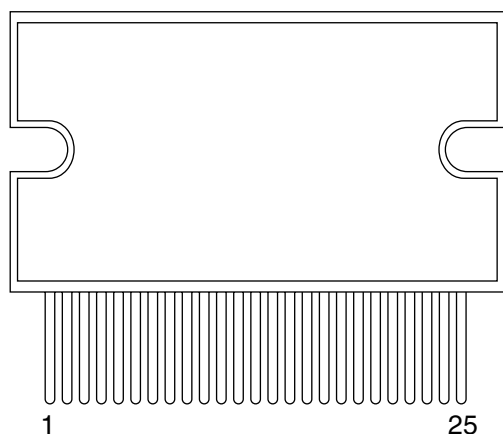


## 2. Pin function

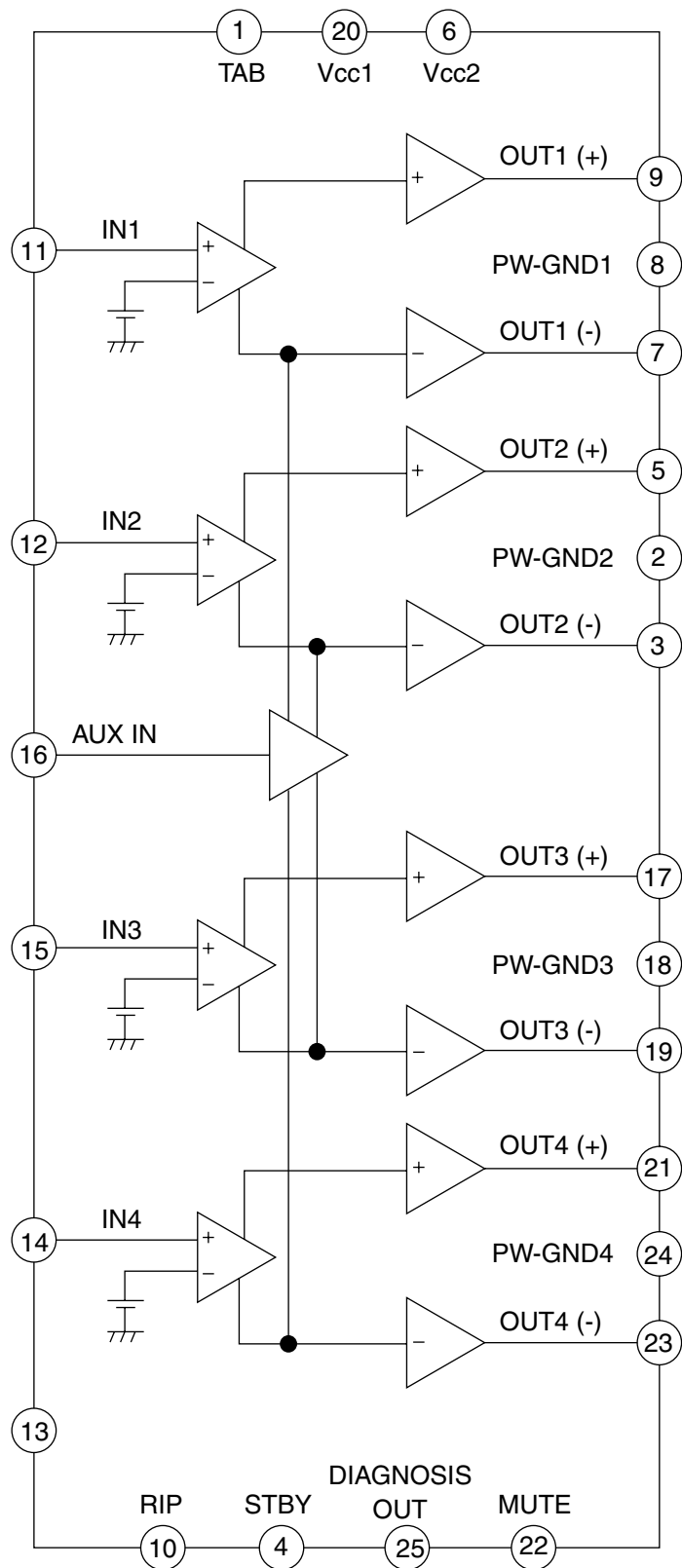
| Pin No. | Symbol | I/O | Function   |
|---------|--------|-----|--|
| 1       | Vcc    | -   | 3.3V power supply terminal   |
| 2       | FIN    | I   | Main-beam amp input terminal   |
| 3       | FPI    | I   | Main-beam amp input terminal   |
| 4       | TPI    | I   | Sub-beam amp input terminal  |
| 5       | TNI    | I   | Sub-beam amp input terminal  |
| 6       | MDI    | I   | Monitor photo diode amp input terminal   |
| 7       | LDO    | O   | Laser diode amp output terminal  |
| 8       | SEL    | I   | APC circuit ON/OFF control signal, laser diode (LDO) control signal input or bottom/peak detection frequency change terminal |
| 9       | TEBC   | I   | Tracking error balance adjustment signal input terminal  |
| 10      | TEN    | I   | Tracking error signal generation amp negative-phase input terminal   |
| 11      | TEO    | O   | Tracking error signal generation amp output terminal   |
| 12      | RFDC   | O   | RF signal peak detection output terminal   |
| 13      | GVSW   | I   | AGC/FE/TE amp gain change terminal   |
| 14      | VRO    | O   | Reference voltage (VRO) output terminal  |
| 15      | FEO    | O   | Focus error signal generation amp output terminal  |
| 16      | FEN    | I   | Focus error signal generation amp negative-phase input terminal  |
| 17      | RFRP   | O   | Signal amp output pin for track count  |
| 18      | RFRPIN | I   | Signal generation amp input terminal for track count   |
| 19      | RFGO   | O   | RF signal amplitude adjustment amp output terminal   |
| 20      | RFGC   | I   | RF amplitude adjustment control signal input terminal  |
| 21      | AGCIN  | I   | RF signal amplitude adjustment amp input terminal  |
| 22      | RFO    | O   | RF signal generation amp output terminal   |
| 23      | RFN    | I   | RF signal generation amp input terminal  |
| 24      | GND    | -   | GND terminal   |

# ■ TA8273H (IC941) : 4ch amp

1. Pin layout



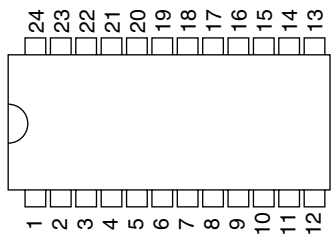
2. Block diagram



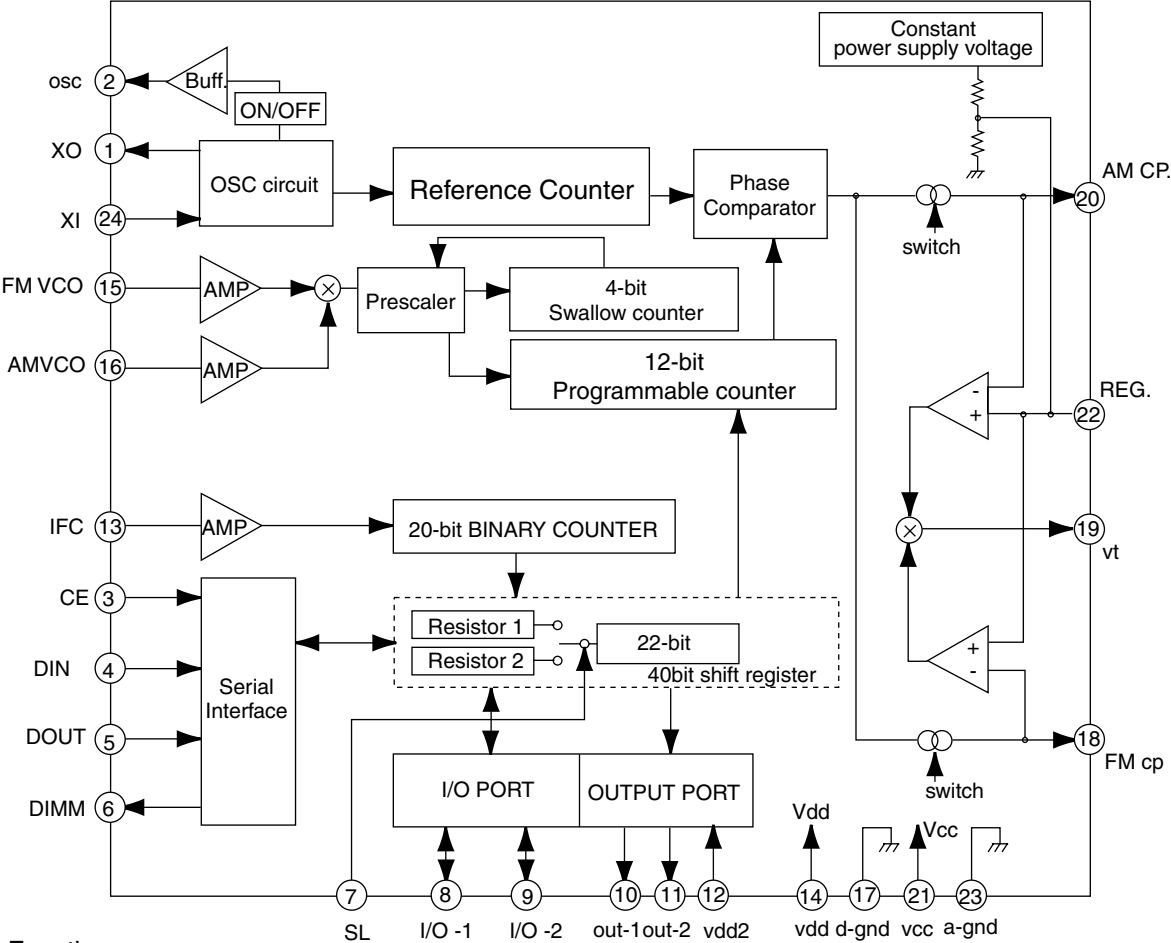


■TB2118F-X (IC21) : PLL

1.Terminal Layout



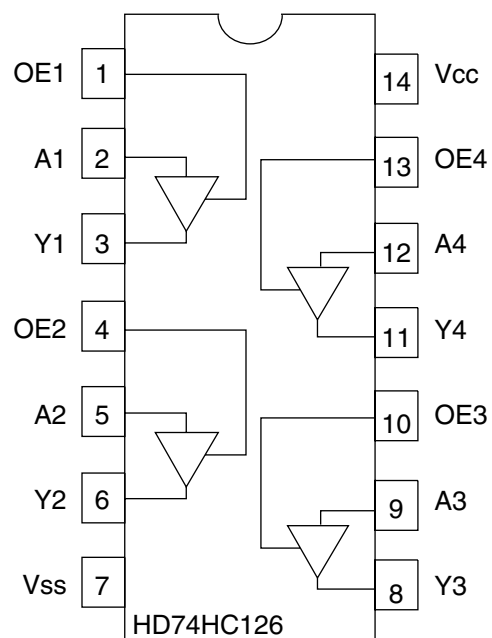
2.Block diagram



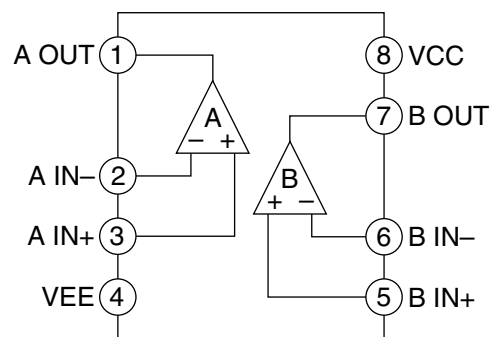
3.Pin Function

| Pin No. | Symbol | I/O | Function                                     | Pin No. | Symbol | I/O | Function                             |
|---------|--------|-----|--|---------|--------|-----|--------------------------------------|
| 1       | XOUT   | O   | Crystal oscillator pin                       | 13      | IFC    | I   | IF signal input                      |
| 2       | OSC    | -   | Non connect                                  | 14      | VDD    | -   | Power pins for digital block         |
| 3       | CE     | I   | Chip enable input                            | 15      | FMIN   | I   | FM band local signal input           |
| 4       | DI     | I   | Serial data input                            | 16      | AMIN   | I   | AM band local signal input           |
| 5       | CK     | I   | Clock input                                  | 17      | DGND   | -   | Connect to GND (for digital circuit) |
| 6       | DOUT   | O   | Serial data output                           | 18      | FMCP   | O   | Charge pump output for FM            |
| 7       | SR     | O   | Register control pin                         | 19      | VT     | -   | Tuning voltage biased to 2.5V.       |
| 8       | I/O1   | I/O | I/O ports                                    | 20      | AMCP   | O   | Charge pump output for AM            |
| 9       | I/O2   | I/O | I/O ports                                    | 21      | VCC    | -   | Power pins for analog block          |
| 10      | OUT1   | -   | Non connect                                  | 22      | RF     | I   | Ripple filter connecting pin         |
| 11      | OUT2   | -   | Non connect                                  | 23      | AGND   | -   | Connect to GND (for analog circuit)  |
| 12      | VDD2   | -   | Single power supply for REF. frequency block | 24      | XIN    | I   | Crystal oscillator pin               |

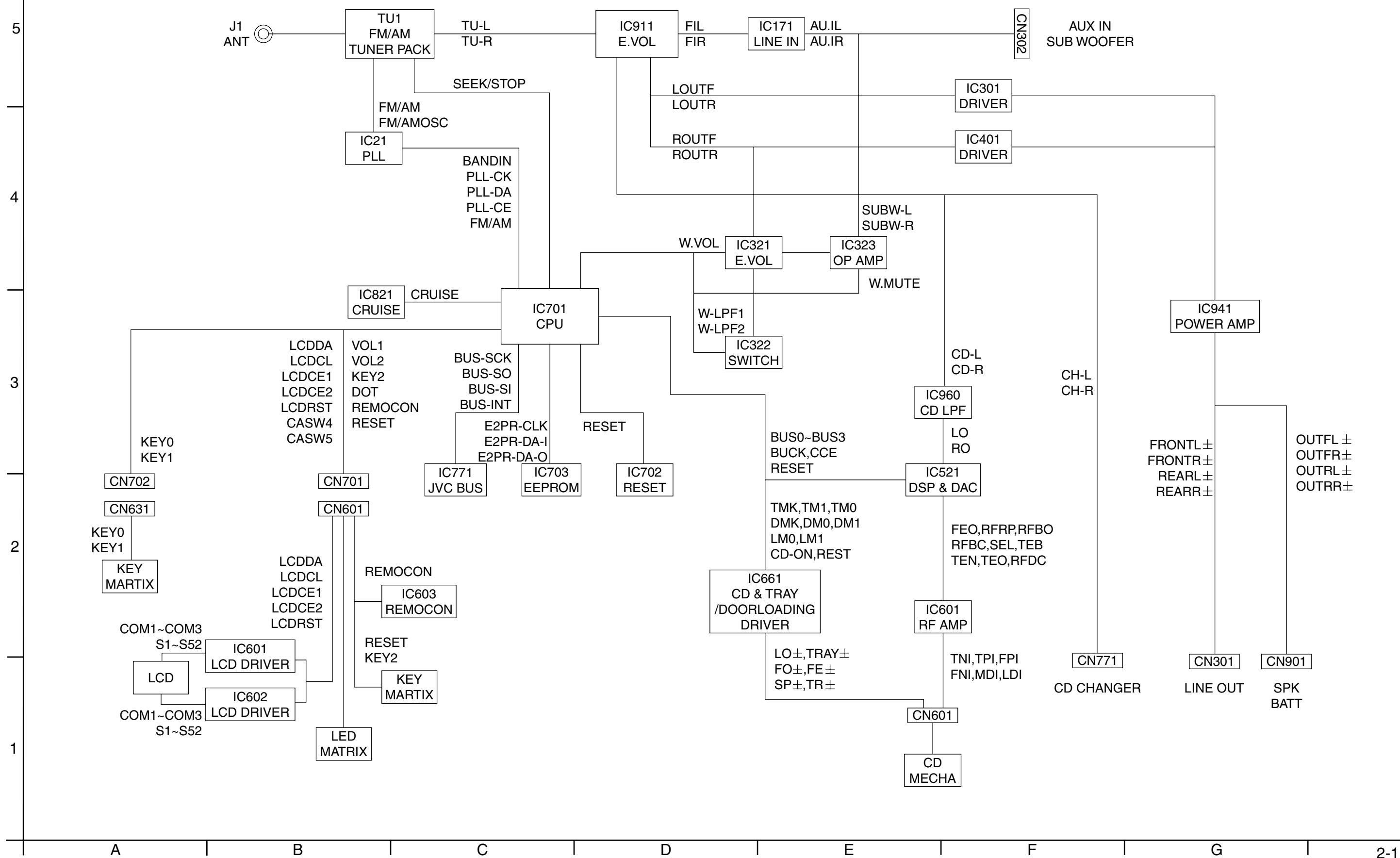
### ■ HD74HC126FP (IC771) : Changer control



### ■ NJM2100M (IC821) : Operation amp



## Block diagram



Standard schematic diagrams

■ KD-LX330R

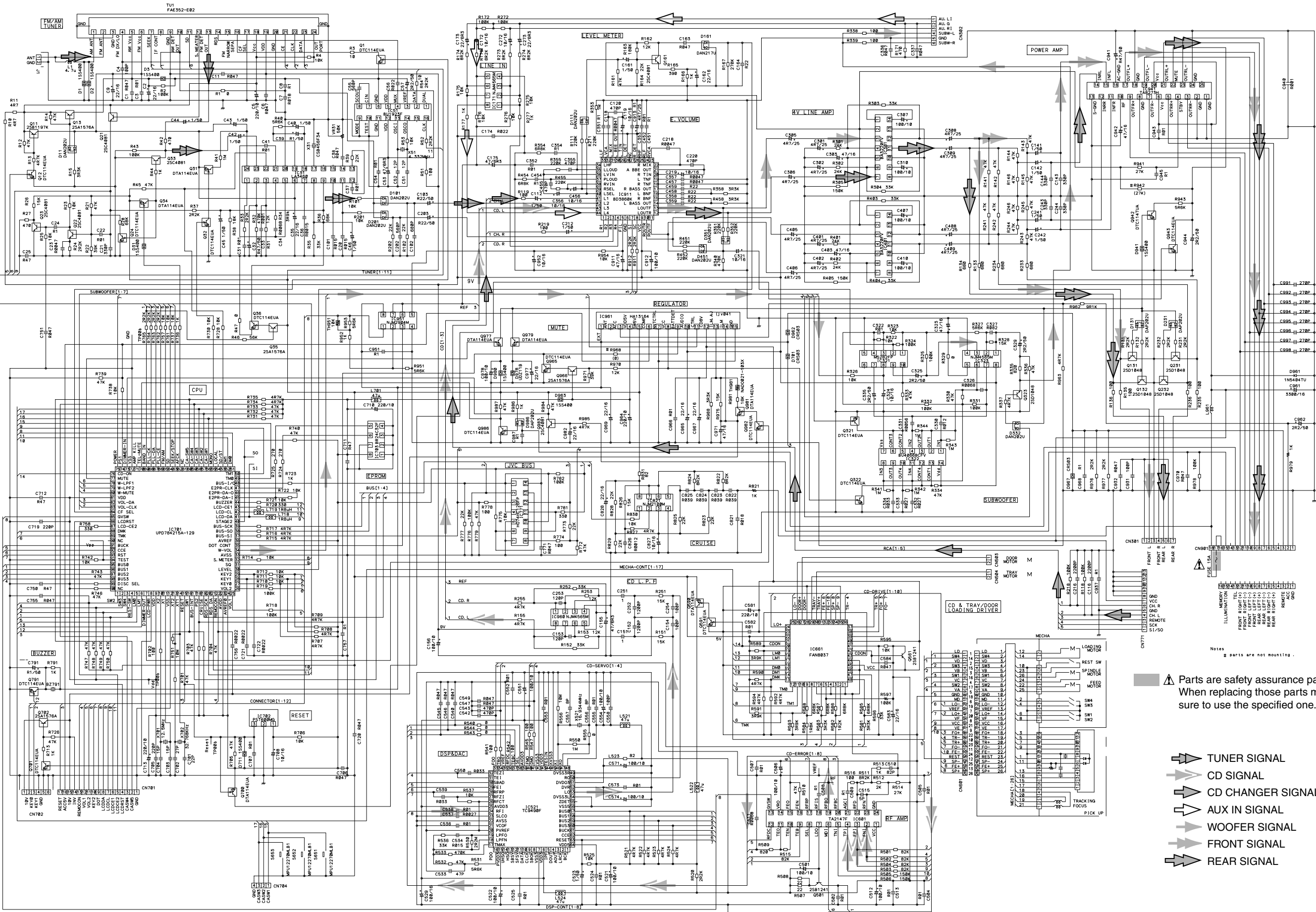
5

4

3

2

1

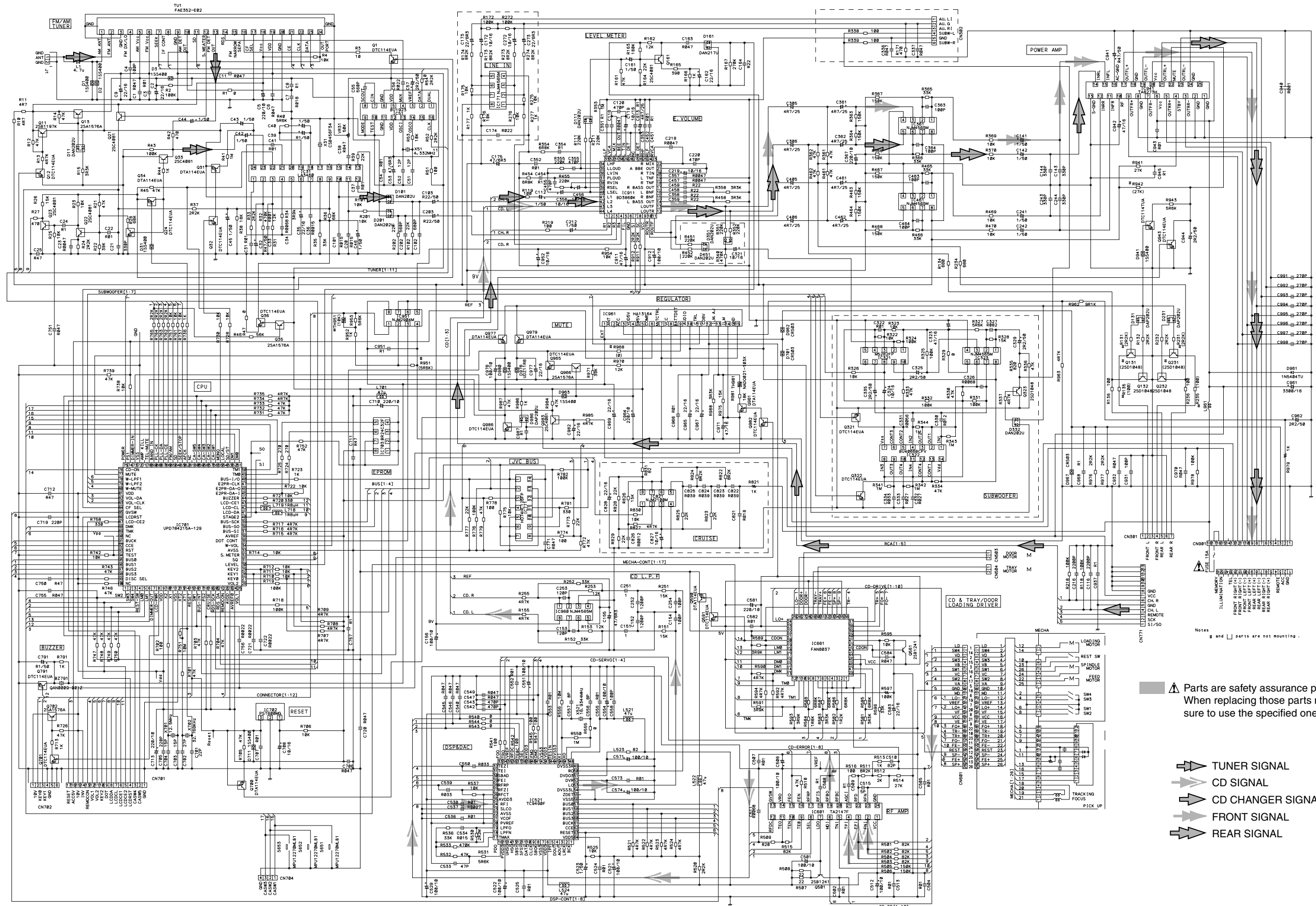


Parts are safety assurance parts.  
When replacing those parts make  
sure to use the specified one.

- TUNER SIGNAL
- CD SIGNAL
- CD CHANGER SIGNAL
- AUX IN SIGNAL
- WOOFER SIGNAL
- FRONT SIGNAL
- REAR SIGNAL

■ KD-LX110R

5  
4  
3  
2  
1



△ Parts are safety assurance parts.  
When replacing those parts make  
sure to use the specified one.

- ➡ TUNER SIGNAL
- ➡ CD SIGNAL
- ➡ CD CHANGER SIGNAL
- ➡ FRONT SIGNAL
- ➡ REAR SIGNAL

## 3



1



## ■ Parts list (General assembly)

Block No. M1MM

| △ | Item | Parts number   | Parts name      | Q'ty | Description | Area |
|---|------|----------------|-----------------|------|-------------|------|
|   | 1    | DG1002000      | CHASSIS TOP     | 1    |             |      |
|   | 2    | DG4114000      | INSULATOR (SHAS | 1    |             |      |
|   | 3    | -----          | CD MECHA        | 1    |             |      |
|   | 4    | QYSDST2604Z    | SCREW           | 3    |             |      |
|   | 5    | DG4003020      | FFC P.MECHA     | 1    |             |      |
|   | 6    | QYSPST2004M    | SCREW           | 1    |             |      |
|   | 7    | DG1069001      | FRONT COVER     | 1    |             |      |
|   | 8    | LV40828-002A   | BLIND           | 1    |             |      |
|   | 9    | QYSPSP2003M    | SCREW           | 2    |             |      |
|   | 10   | LV31605-001A   | DOOR BASE ASS'Y | 1    |             |      |
|   | 11   | DG4112010      | PANEL COVER ASS | 1    |             |      |
|   | 12   | LV31610-001A   | ROD GEAR        | 1    |             |      |
|   | 13   | DG1073150      | BUTTON PANEL    | 1    | KD-LX110R   |      |
|   |      | DG1073151      | BUTTON PANEL    | 1    | KD-LX330R   |      |
|   | 14   | DG3024000      | BUTTON BASE BKT | 1    |             |      |
|   | 15   | DG4071010      | BUTTON B SUPORT | 1    |             |      |
|   | 16   | YM2029000      | SCREW           | 3    |             |      |
|   | 17   | LV41452-003A   | TENS SPRING BTM | 2    |             |      |
|   | 19   | YM2029000      | SCREW           | 4    |             |      |
|   | 20   | DG1122001      | DISPLAY PANEL   | 1    |             |      |
|   | 21   | XP1728P3B      | SCREW           | 4    |             |      |
|   | 22   | EX0000496      | 17P FLAT CABLE  | 1    |             |      |
|   | 23   | XT2640BSC      | SCREW           | 8    |             |      |
|   | 24   | DG3008000      | SIDE HEAT SINK  | 1    |             |      |
|   | 25   | XT26A0BPC      | SCREW           | 1    |             |      |
|   | 26   | YM2626002      | SCREW           | 4    |             |      |
|   | 27   | YM2626000      | SCREW           | 1    |             |      |
|   | 28   | LV41469-001A   | UP DOWN B.ASS'Y | 1    |             |      |
|   | 29   | LV40848-009A   | SPACER(P)       | 1    |             |      |
|   | 30   | LV40846-005A   | SPACER(F)       | 1    |             |      |
|   | 31   | DG3126020      | KNOB SPRING     | 1    |             |      |
|   | 32   | DG4127010      | ENCODER PLATE   | 1    |             |      |
|   | 33   | DG3121050      | KNOB VOL ASSY   | 1    |             |      |
|   | 34   | VKZ4777-001    | MINI SCREW      | 4    |             |      |
|   | 35   | DG3102010      | FINDER ASSY     | 1    |             |      |
|   | 36   | DG4136000      | D.P. PLATE      | 1    |             |      |
|   | 37   | LV41505-001A   | REMOTE LENS     | 1    |             |      |
|   | 38   | QAR0029001-SA2 | MOTOR ASS'Y     | 1    |             |      |
|   | 39   | LV40847-002A   | SPACER          | 1    |             |      |
|   | 40   | KA2502009      | 2P CONECTOR ASS | 1    |             |      |
|   | 41   | DG4138000      | MOTOR ASS'Y     | 1    |             |      |
|   | 42   | LV40847-002A   | SPACER          | 1    |             |      |
|   | 43   | KA2502010      | 2P CONECTOR ASS | 1    |             |      |
|   | 44   | DG3131010      | MOVE BKT ASS'Y  | 1    |             |      |
|   | 45   | XP2020P1C      | SCREW           | 4    |             |      |
|   | 46   | DG3082030      | PUSH LEVER ASSY | 1    |             |      |
|   | 47   | LV41466-001A   | GEAR 4          | 1    |             |      |
|   | 48   | LV41467-001A   | GEAR 5          | 1    |             |      |

## ■ Parts list (General assembly)

Block No. M1MM

| △ | Item | Parts number | Parts name      | Q'ty | Description | Area |
|---|------|--------------|-----------------|------|-------------|------|
|   | 49   | LV30981-005A | CLUTCH ASS'Y    | 1    |             |      |
|   | 50   | YWP020300    | C.WASHER        | 7    |             |      |
|   | 51   | YWP020301    | C.WASHER        | 2    |             |      |
|   | 52   | LV31611-001A | GEAR 3          | 1    |             |      |
|   | 53   | LV41464-001A | GEAR 2          | 1    |             |      |
|   | 54   | LV41463-001A | GEAR 1          | 1    |             |      |
|   | 55   | LV30981-007A | *CLUTCH ASS'Y   | 1    |             |      |
|   | 56   | DG4087040    | LEVER SPRING    | 1    |             |      |
|   | 57   | DG3058000    | FFC GUIDE       | 1    |             |      |
|   | 58   | DG3010010    | BOTTOM ASSY     | 1    |             |      |
|   | 59   | LV41545-001A | BUTTON B.GUIDE  | 1    |             |      |
|   | 60   | YM2029000    | SCREW           | 1    |             |      |
|   | 61   | DG3014000    | INSULATOR       | 1    |             |      |
|   | 62   | YM2626000    | SCREW           | 3    |             |      |
|   | 64   | DG3092020    | LIGHTING CASE   | 1    |             |      |
|   | 65   | DG4090030    | LCD FILTER      | 1    |             |      |
|   | 66   | 000101380    | LCD             | 1    | KD-LX110R   |      |
|   |      | 000101390    | LCD             | 1    | KD-LX330R   |      |
|   | 67   | DG3089020    | LCD CASE        | 1    |             |      |
|   | 68   | DG4091020    | ZEBRA CONTACT   | 2    |             |      |
|   | 69   | EX0000495    | 6P FLAT CABLE   | 1    |             |      |
|   | 70   | DG2074031    | BUTTON PRESET 1 | 1    |             |      |
|   | 71   | DG3075042    | BUTTON PRESET 2 | 1    |             |      |
|   | 72   | DG3076040    | BUTTON SOURCE   | 1    |             |      |
|   | 73   | DG1072090    | BUTTON BASE     | 1    |             |      |
|   | 74   | LV41825-004A | PLATE SPRING    | 1    |             |      |
|   | 75   | VKZ4777-004  | MINI SCREW      | 6    |             |      |
|   | 76   | DG3070000    | REG.IC BRACET   | 1    |             |      |
|   | 77   | DG4117000    | POWER IC BKT    | 1    |             |      |
|   | 78   | DG3005030    | REAR BRACKET    | 1    |             |      |
|   | 79   | DG3007010    | REAR HEAT SINK  | 1    |             |      |
|   | 80   | XT2640BSC    | SCREW           | 1    |             |      |
|   | 81   | YM2626001    | SCREW           | 3    |             |      |
|   | 82   | XT2640BSC    | SCREW           | 2    |             |      |
| △ | 83   | FU15R0031    | AUTO FUSE       | 1    | (15A)       |      |
|   | 84   | PLN122900    | NAME LABEL      | 1    | KD-LX110R   |      |
|   |      | PLN123000    | NAME LABEL      | 1    | KD-LX330R   |      |
|   | 85   | DG4115000    | SHEET           | 2    |             |      |
|   | 87   | DG3111000    | LEAD PLATE      | 1    |             |      |
|   | 89   | EX0000490    | RCA CORD ASSY   | 1    | KD-LX330R   |      |
|   |      | EX0000488    | RCA CORD ASSY   | 1    | KD-LX110R   |      |
|   | 90   | DG4116010    | SHEET (FRONT BK | 1    |             |      |
|   | 91   | XT2040BSC    | SCREW           | 1    |             |      |
|   | 92   | EX0000508    | WIRE ASS'Y      | 1    |             |      |
|   | 94   | DG4124000    | SPACER          | 1    |             |      |

## ■ Parts list (CD mechanism)

Block No. M2MM

| △ | Item | Parts number | Parts name       | Q'ty | Description | Area |
|---|------|--------------|------------------|------|-------------|------|
|   | 1    | 30310101T    | FRAME            | 1    |             |      |
|   | 2    | 30310103T    | DANPER PIN       | 2    |             |      |
|   | 3    | 30310107T    | UPPER PLATE      | 1    |             |      |
|   | 4    | 30310108T    | SEL STOP PLATE   | 1    |             |      |
|   | 5    | 30310142T    | SEL ARM (L)L     | 1    |             |      |
|   | 6    | 30310143T    | SEL ARM (R)L     | 1    |             |      |
|   | 7    | 30310145T    | S ARM SPRING(L)  | 2    |             |      |
|   | 8    | 30310112T    | TRIG LEVER       | 1    |             |      |
|   | 9    | 30310155T    | TRIG PL(Z)       | 1    |             |      |
|   | 10   | 30310115T    | TRIG PL SPRING   | 1    |             |      |
|   | 11   | 30310116T    | TRIG ARM         | 1    |             |      |
|   | 12   | 30310134T    | FIX ARM (L)B     | 1    |             |      |
|   | 13   | 30310159T    | FIX ARM (R)Z     | 1    |             |      |
|   | 14   | 30310150T    | FIX PL (L)Z      | 1    |             |      |
|   | 15   | 30310156T    | FIX PL (R) Z     | 1    |             |      |
|   | 16   | 30310138T    | LDG GR (6)B      | 1    |             |      |
|   | 17   | 30310122T    | LDG GEAR (6)SP   | 1    |             |      |
|   | 18   | 30310148T    | S.L ARM(N)       | 1    |             |      |
|   | 19   | 30310125T    | S.L ARM SPRING   | 1    |             |      |
|   | 20   | 30310149T    | REAR DAM BKT(Z)  | 1    |             |      |
|   | 22   | 30310151T    | HUNG UP SP (FZ)  | 2    |             |      |
|   | 23   | 30310129T    | HUNG UP SP (R)   | 2    |             |      |
|   | 29   | 30300510T    | PU GEAR(B)       | 1    |             |      |
|   | 32   | 30310544T    | F.M.BASE(Z)      | 1    |             |      |
|   | 33   | 30310547T    | FD GR BLK(Z)     | 1    |             |      |
|   | 36   | 30310546T    | PU GUIDE(Z)      | 1    |             |      |
|   | 38   | 30310533T    | THRUST SPR(M)    | 1    |             |      |
|   | 39   | 30310577T    | PU M NUT(Z-S)    | 1    |             |      |
|   | 40   | 30310512T    | NUT PUSH SPR PL  | 1    |             |      |
|   | 41   | 30310558T    | CLP ARM(Z)       | 1    |             |      |
|   | 42   | 30310514T    | CLP ARM SPRING   | 1    |             |      |
|   | 43   | 30310552T    | CLAMPER(Z)       | 1    |             |      |
|   | 48   | 30310557T    | CLAMPER PLATE(Z) | 1    |             |      |
|   | 49   | 30310524T    | DAMPER (J)       | 3    |             |      |
|   | 50   | 30310525T    | CLP ARM SPR (L)  | 1    |             |      |
|   | 51   | 30310545T    | F SCREW GUIDE(Z) | 1    |             |      |
|   | 56   | 64180405T    | DET SW           | 1    | ESE11SF4    |      |
|   | 57   | QAL0230-001  | C.D PICK (SONY)  | 1    |             |      |
|   | 61   | 30311035T    | FPC HOLDER(Z)    | 1    |             |      |
|   | 62   | 19501403T    | WIRE CLAMPER     | 4    |             |      |
|   | 63   | 30311045T    | PICK UP FPC(Z-S) | 1    |             |      |
|   | 64   | 30311044T    | CONNECT.PCB(Z-S) | 1    |             |      |
|   | 65   | 30311038T    | WIRE (5P-Z)      | 1    |             |      |
|   | 66   | 30311039T    | WIRE (LD-Z)      | 1    |             |      |
|   | 67   | 30311040T    | WIRE (FD-Z)      | 1    |             |      |
|   | 68   | 30311041T    | WIRE (RS-Z)      | 1    |             |      |
|   | 70   | 64180402T    | DET SWITCH       | 2    | ESE22MH1    |      |
|   | 71   | 64180403T    | DET SWITCH       | 2    | ESE22MH3    |      |



## ■ Parts list (CD mechanism)

Block No. M2MM

| △ | Item | Parts number | Parts name      | Q'ty | Description  | Area |
|---|------|--------------|-----------------|------|--------------|------|
|   | 72   | 68150232T    | CONNECTOR       | 1    | TKC-W26X-C1  |      |
|   | 79   | 30311105T    | SOPPORT PLATE   | 1    |              |      |
|   | 80   | 30311138T    | GR MT BLK(N)    | 1    |              |      |
|   | 81   | 30311109T    | LDG GEAR (2)    | 1    |              |      |
|   | 82   | 30311110T    | LDG GEAR (3)    | 1    |              |      |
|   | 84   | 30311112T    | LDG GEAR (5)    | 1    |              |      |
|   | 86   | 30311136T    | LDG ROLLER      | 2    |              |      |
|   | 88   | 30311118T    | L.P SPRING (L)  | 1    |              |      |
|   | 89   | 30311119T    | L.P SPRING (R)  | 1    |              |      |
|   | 90   | 30311123T    | SW PCB          | 1    |              |      |
|   | 91   | 30311124T    | SW ACTUATOR     | 1    |              |      |
|   | 92   | 30311129T    | LDG BELT        | 1    |              |      |
|   | 93   | 30311140T    | FRONT BRKT (J)  | 1    |              |      |
|   | 100  | 9C0620503T   | C B TAP SCREW   | 2    | M2X5         |      |
|   | 101  | 9C2020401T   | C SCREW TS.G    | 5    | M2X4         |      |
|   | 102  | 9C4320403T   | C B TAP SCREW   | 4    | M2X4         |      |
|   | 103  | 9C0117223T   | SCREW           | 2    | M1.7X2.2     |      |
|   | 104  | 9C0917703T   | C TAP SCREW S3  | 1    | M1.7X7       |      |
|   | 105  | 9C0320201T   | C TAP SCREW S3  | 1    | M2X2         |      |
|   | 106  | 9C4920013T   | C TAP SCREW S3  | 2    | M2X10        |      |
|   | 107  | 9C4920603T   | C TAP SCREW B3  | 4    | M2X6         |      |
|   | 108  | 9P0220031T   | TAMS SCREW      | 2    | M2X3         |      |
|   | 110  | 9C0420253    | C TAP SCREW     | 1    | M2X2.5       |      |
|   | 113  | 9W0330276    | NW BLUE         | 2    | 2.9X5X0.3    |      |
|   | 116  | 9W0725030T   | LUMILAR W       | 1    | 2.3X9.8X0.25 |      |
|   | 117  | 9W0640030T   | WASHER          | 1    | 1.4X3.2X0.4  |      |
|   | 130  | 303105310T   | FEED MO ASSY    | 1    |              |      |
|   | 131  | 303105311T   | SPINDLE MO ASSY | 1    |              |      |
|   | 132  | 303105312T   | FEED SCREW ASSY | 1    |              |      |
|   | 133  | 303111301T   | LDG MOTOR ASSY  | 1    |              |      |
|   | 134  | 303111302T   | RDG RLR SFT ASY | 1    |              |      |
|   | 135  | 303105502T   | T.T.BASE ASSY   | 1    |              |      |

■ Electrical parts list (Main board) Block No. 01

| △ | Item  | Parts number | Parts name | Remarks       | Area | △ | Item  | Parts number | Parts name | Remarks        | Area |
|---|-------|--------------|------------|---------------|------|---|-------|--------------|------------|----------------|------|
|   | BZ791 | 000393760    | BUZZER     | CD11PA-XZ     |      |   | C 174 | CY223623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 1   | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |   | C 175 | CE4760468    | CAPACITOR  | 0.22 UF        |      |
|   | C 2   | CE2263468    | CAPACITOR  | CE 22UF 16V   |      |   | C 202 | CZ5616D2J    | CAPACITOR  | CZ 560 PF      |      |
|   | C 3   | CY103623J    | CAPACITOR  | CY 0.001 UF   |      |   | C 203 | CE2246468    | CAPACITOR  | CE 0.022UF/50V |      |
|   | C 4   | CZ1016D2J    | CAPACITOR  | CZ 100PF      |      |   | C 212 | CE1056468    | CAPACITOR  | CE 1 UF        |      |
|   | C 5   | CE2271468    | CAPACITOR  | CY 0.01 UF    |      |   | C 218 | CY472623J    | CAPACITOR  | CY 0.0047UF    |      |
|   | C 6   | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |   | C 219 | CE1063468    | CAPACITOR  | CE 10 UF       |      |
|   | C 7   | CY183623J    | CAPACITOR  | CE 0.018UF    |      |   | C 220 | CZ4716D2J    | CAPACITOR  | CZ 470 PF      |      |
|   | C 8   | CY104423J    | CAPACITOR  | CY 0.1UF      |      |   | C 241 | CE1056468    | CAPACITOR  | CE 1 UF        |      |
|   | C 9   | CE2263468    | CAPACITOR  | CE 22UF/16V   |      |   | C 242 | CE1056468    | CAPACITOR  | CE 1 UF        |      |
|   | C 11  | CY473623J    | CAPACITOR  | CY 0.047UF    |      |   | C 243 | CZ3316D2J    | CAPACITOR  | CZ 330 PF      |      |
|   | C 20  | CY153623J    | CAPACITOR  | CY 0.015UF    |      |   | C 244 | CZ3316D2J    | CAPACITOR  | CZ 330 PF      |      |
|   | C 21  | CZ3316D2J    | CAPACITOR  | CZ 330PF      |      |   | C 251 | CY105122J    | CAPACITOR  | CY 1 UF        |      |
|   | C 22  | CY103623J    | CAPACITOR  | CY0.01UF      |      |   | C 252 | CY122623J    | CAPACITOR  | CY 0.0012UF    |      |
|   | C 23  | CY472623J    | CAPACITOR  | CY 0.0047 UF  |      |   | C 253 | CZ1216D2J    | CAPACITOR  | CZ 120 PF      |      |
|   | C 24  | CY104423J    | CAPACITOR  | CY 0.1UF      |      |   | C 254 | CZ1016D2J    | CAPACITOR  | CZ 100 PF      |      |
|   | C 25  | CE4746468    | CAPACITOR  | CE 0.47UF/50V |      |   | C 272 | CE1063468    | CAPACITOR  | KD-LX330R UF   |      |
|   | C 31  | CY103623J    | CAPACITOR  | CY 0.01 UF    |      |   | C 273 | CE2260468    | CAPACITOR  | KD-LX330R      |      |
|   | C 32  | CE4746468    | CAPACITOR  | CE 0.47UF/50V |      |   | C 301 | CE4754468    | CAPACITOR  | KD-LX330R      |      |
|   | C 33  | CY102623J    | CAPACITOR  | CY 0.001 UF   |      |   | C 302 | CE4754468    | CAPACITOR  | KD-LX330R      |      |
|   | C 34  | CY682623J    | CAPACITOR  | CY 0.0068UF   |      |   | C 303 | CE4763468    | CAPACITOR  | KD-LX330R      |      |
|   | C 35  | CE2263468    | CAPACITOR  | CE 22 UF/16V  |      |   | C 305 | CE4754468    | CAPACITOR  | 4.7UF125V      |      |
|   | C 36  | CY152623J    | CAPACITOR  | CY 0.0015UF   |      |   | C 306 | CE4754468    | CAPACITOR  | 4.7UF125V      |      |
|   | C 37  | CY103623J    | CAPACITOR  | CY 0.01 UF    |      |   | C 307 | CE1071468    | CAPACITOR  | KD-LX330R      |      |
|   | C 38  | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |   | C 308 | CE4754468    | CAPACITOR  | KD-LX330R      |      |
|   | C 39  | CE1046468    | CAPACITOR  | CE 0.1 UF/50V |      |   | C 309 | CE4754468    | CAPACITOR  | KD-LX330R      |      |
|   | C 40  | CE1056468    | CAPACITOR  | CE 1 UF/50V   |      |   | C 310 | CE1071468    | CAPACITOR  | KD-LX330R      |      |
|   | C 41  | CY103623J    | CAPACITOR  | CY 0.01UF     |      |   | C 321 | CE1063468    | CAPACITOR  | KD-LX330R      |      |
|   | C 42  | CE1056468    | CAPACITOR  | CE 1 UF/50V   |      |   | C 322 | CY103623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 43  | CE1056468    | CAPACITOR  | CE 1 UF/50V   |      |   | C 323 | CE4763468    | CAPACITOR  | KD-LX330R      |      |
|   | C 44  | CE1056468    | CAPACITOR  | CE 1 UF/50V   |      |   | C 324 | CE1063468    | CAPACITOR  | KD-LX330R      |      |
|   | C 45  | CE1056468    | CAPACITOR  | CE 1 UF/50V   |      |   | C 325 | CE2256468    | CAPACITOR  | KD-LX330R      |      |
|   | C 46  | CE1056468    | CAPACITOR  | CE 1 UF/50V   |      |   | C 326 | CY682623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 51  | CZ1206D2J    | CAPACITOR  | CZ 12PF       |      |   | C 327 | CY823423J    | CAPACITOR  | KD-LX330R      |      |
|   | C 52  | CZ1206D2J    | CAPACITOR  | CZ 12PF       |      |   | C 329 | CE2256468    | CAPACITOR  | KD-LX330R      |      |
|   | C 53  | CE4760468    | CAPACITOR  | CE47 UF/6.3V  |      |   | C 330 | CY123623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 54  | CY103623J    | CAPACITOR  | CY 0.01UF     |      |   | C 331 | CY562623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 55  | CZ5616D2J    | CAPACITOR  | CZ 560 PF     |      |   | C 332 | CY273623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 56  | CY223623J    | CAPACITOR  | CY 0.022UF    |      |   | C 333 | CY273623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 57  | CE2256468    | CAPACITOR  | CE 2.2UF/50V  |      |   | C 334 | CY333623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 101 | CY153623J    | CAPACITOR  | CY 0.015UF    |      |   | C 335 | CE2256468    | CAPACITOR  | KD-LX330R      |      |
|   | C 102 | CZ6816D2J    | CAPACITOR  | CZ 680 PF     |      |   | C 336 | CY473623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 103 | CE2246468    | CAPACITOR  | CE 0.22UF/50V |      |   | C 337 | CY473623J    | CAPACITOR  | KD-LX330R      |      |
|   | C 112 | CE1056468    | CAPACITOR  | CE 1 UF       |      |   | C 351 | CY104423J    | CAPACITOR  | CY 0.1 UF      |      |
|   | C 118 | CY472623J    | CAPACITOR  | CY 0.0047UF   |      |   | C 352 | CY103623J    | CAPACITOR  | CY 0.01 UF     |      |
|   | C 119 | CE1063468    | CAPACITOR  | CE 10 UF      |      |   | C 353 | CE4754468    | CAPACITOR  | CE 4.7 UF      |      |
|   | C 120 | CZ4716D2J    | CAPACITOR  | CZ 470 PF     |      |   | C 354 | CY104423J    | CAPACITOR  | CY 0.1 UF      |      |
|   | C 141 | CE1056468    | CAPACITOR  | CE 1 UF       |      |   | C 355 | CZ4716D2J    | CAPACITOR  | CZ 470 PF      |      |
|   | C 142 | CE1056468    | CAPACITOR  | CE 1 UF       |      |   | C 356 | CE1063468    | CAPACITOR  | CE 10 UF       |      |
|   | C 143 | CZ3316D2J    | CAPACITOR  | CZ 330 PF     |      |   | C 357 | CY472623J    | CAPACITOR  | CY 0.0047UF    |      |
|   | C 144 | CZ3316D2J    | CAPACITOR  | CZ 330 PF     |      |   | C 358 | CY224122J    | CAPACITOR  | CY 0.22 UF     |      |
|   | C 151 | CY105122J    | CAPACITOR  | CY 1 UF       |      |   | C 359 | CY224122J    | CAPACITOR  | CY 0.22 UF     |      |
|   | C 152 | CY122623J    | CAPACITOR  | CY 0.0012UF   |      |   | C 361 | CE4754468    | CAPACITOR  | KD-LX110R      |      |
|   | C 153 | CZ1216D2J    | CAPACITOR  | CZ 120 PF     |      |   | C 362 | CE4754468    | CAPACITOR  | KD-LX110R      |      |
|   | C 154 | CZ1016D2J    | CAPACITOR  | CZ 100 PF     |      |   | C 363 | CZ1016D2J    | CAPACITOR  | KD-LX110R      |      |
|   | C 155 | CE4760468    | CAPACITOR  | CE 47 UF      |      |   | C 364 | CZ1016D2J    | CAPACITOR  | KD-LX110R      |      |
|   | C 156 | CE1071468    | CAPACITOR  | CE 100 UF     |      |   | C 367 | CE2271468    | CAPACITOR  | KD-LX110R      |      |
|   | C 161 | CE1056468    | CAPACITOR  | CE 1 UF       |      |   | C 401 | CE4754468    | CAPACITOR  | KD-LX330R      |      |
|   | C 162 | CE2263468    | CAPACITOR  | CE 22 UF      |      |   | C 402 | CE4754468    | CAPACITOR  | KD-LX330R      |      |
|   | C 163 | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |   | C 403 | CE4763468    | CAPACITOR  | KD-LX330R      |      |
|   | C 164 | CY224122J    | CAPACITOR  | CY 0.22 UF    |      |   | C 405 | CE4754468    | CAPACITOR  | 4.7UF 125V     |      |
|   | C 172 | CE1063468    | CAPACITOR  | KD-LX330R     |      |   | C 406 | CE4754468    | CAPACITOR  | 4.7UF 125V     |      |
|   | C 173 | CE2260468    | CAPACITOR  | KD-LX330R     |      |   | C 407 | CE1071468    | CAPACITOR  | KD-LX330R      |      |

## ■ Electrical parts list (Main board)

Block No. 01

| △ | Item  | Parts number | Parts name | Remarks     | Area | △ | Item  | Parts number | Parts name | Remarks       | Area |
|---|-------|--------------|------------|-------------|------|---|-------|--------------|------------|---------------|------|
|   | C 408 | CE4754468    | CAPACITOR  | KD-LX330R   |      |   | C 701 | CZ2206D2J    | CAPACITOR  | CZ 22 PF      |      |
|   | C 409 | CE4754468    | CAPACITOR  | KD-LX330R   |      |   | C 702 | CZ2706D2J    | CAPACITOR  | CZ 27 PF      |      |
|   | C 410 | CE1071468    | CAPACITOR  | KD-LX330R   |      |   | C 703 | CZ1506D2J    | CAPACITOR  | CZ 15 PF      |      |
|   | C 451 | CY104423J    | CAPACITOR  | CY 0.1 UF   |      |   | C 704 | CZ1506D2J    | CAPACITOR  | CZ 15 PF      |      |
|   | C 452 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 705 | CZ2216D2J    | CAPACITOR  | CZ 220 PF     |      |
|   | C 454 | CY104423J    | CAPACITOR  | CY 0.1 UF   |      |   | C 706 | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |
|   | C 455 | CZ4716D2J    | CAPACITOR  | CZ 470 PF   |      |   | C 707 | CY103623J    | CAPACITOR  | CY 0.01 UF    |      |
|   | C 456 | CE1063468    | CAPACITOR  | CE 10 UF    |      |   | C 708 | CE1063468    | CAPACITOR  | CE 10 UF      |      |
|   | C 457 | CY472623J    | CAPACITOR  | CY 0.0047UF |      |   | C 710 | CE2271468    | CAPACITOR  | CE 220 UF     |      |
|   | C 458 | CY224122J    | CAPACITOR  | CY 0.22 UF  |      |   | C 711 | CY474122J    | CAPACITOR  | CY 0.47 UF    |      |
|   | C 459 | CY224122J    | CAPACITOR  | CY 0.22 UF  |      |   | C 712 | CY474122J    | CAPACITOR  | CY 0.47 UF    |      |
|   | C 461 | CE4754468    | CAPACITOR  | KD-LX110R   |      |   | C 713 | CE2271468    | CAPACITOR  | CE 220 UF     |      |
|   | C 462 | CE4754468    | CAPACITOR  | KD-LX110R   |      |   | C 719 | CZ2216D2J    | CAPACITOR  | CZ 220 PF     |      |
|   | C 463 | CZ1016D2J    | CAPACITOR  | KD-LX110R   |      |   | C 720 | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |
|   | C 464 | CZ1016D2J    | CAPACITOR  | KD-LX110R   |      |   | C 721 | CY222623J    | CAPACITOR  | CY 0.0022UF   |      |
|   | C 501 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 722 | CY222623J    | CAPACITOR  | CY 0.0022UF   |      |
|   | C 502 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 723 | CE2271468    | CAPACITOR  | KD-LX330R     |      |
|   | C 504 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 730 | CY473623J    | CAPACITOR  | CY 0.047UF    |      |
|   | C 505 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 750 | CY474122J    | CAPACITOR  | CY 0.47UF     |      |
|   | C 506 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 755 | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |
|   | C 507 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 756 | CY222623J    | CAPACITOR  | CY 0.0022UF   |      |
|   | C 508 | CY104423J    | CAPACITOR  | CY 0.1 UF   |      |   | C 757 | CY104423J    | CAPACITOR  | CY 0.1 UF     |      |
|   | C 509 | CY104423J    | CAPACITOR  | CY 0.1 UF   |      |   | C 771 | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |
|   | C 510 | CZ8206D2J    | CAPACITOR  | CZ 82 PF    |      |   | C 791 | CE1046468    | CAPACITOR  | CE 0.1 UF     |      |
|   | C 511 | CY682623J    | CAPACITOR  | CY 0.0068UF |      |   | C 821 | CY183623J    | CAPACITOR  | KD-LX330R F   |      |
|   | C 512 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 822 | CY393623J    | CAPACITOR  | KD-LX330R     |      |
|   | C 513 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 823 | CY393623J    | CAPACITOR  | KD-LX330R     |      |
|   | C 515 | CZ5R06A2J    | CAPACITOR  | CZ 5 PF     |      |   | C 824 | CY393623J    | CAPACITOR  | KD-LX330R     |      |
|   | C 521 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 825 | CY393623J    | CAPACITOR  | KD-LX330R     |      |
|   | C 522 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 826 | CY122623J    | CAPACITOR  | KD-LX330R     |      |
|   | C 523 | CE1056468    | CAPACITOR  | CE 1 UF     |      |   | C 827 | CE1063468    | CAPACITOR  | KD-LX330R     |      |
|   | C 524 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 828 | CE2263468    | CAPACITOR  | KD-LX330R     |      |
|   | C 525 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 911 | CE4763468    | CAPACITOR  | CE 47 UF      |      |
|   | C 529 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 912 | CE1071468    | CAPACITOR  | CE 100 UF     |      |
|   | C 533 | CZ4706D2J    | CAPACITOR  | CZ 47 PF    |      |   | C 913 | CY104423J    | CAPACITOR  | CY 0.1 UF     |      |
|   | C 534 | CY153623J    | CAPACITOR  | CY 0.015 UF |      |   | C 931 | CZ1016D2J    | CAPACITOR  | CZ 100 PF     |      |
|   | C 536 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 932 | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |
|   | C 537 | CY272623J    | CAPACITOR  | CY 0.0027UF |      |   | C 937 | CY104423J    | CAPACITOR  | CY 0.1 UF     |      |
|   | C 538 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 940 | CK1026057    | CAPACITOR  | KD-LX110R     |      |
|   | C 539 | CY333623J    | CAPACITOR  | CY 0.033 UF |      |   | C 941 | CE4746468    | CAPACITOR  | CE 0.47 UF    |      |
|   | C 540 | CY473623J    | CAPACITOR  | CY 0.047 UF |      |   | C 942 | CE4763468    | CAPACITOR  | CE 47 UF      |      |
|   | C 542 | CZ4716D2J    | CAPACITOR  | CZ 470 PF   |      |   | C 943 | CY103603J    | CAPACITOR  | CY 0.01 UF    |      |
|   | C 543 | CZ4716D2J    | CAPACITOR  | CZ 470 PF   |      |   | C 944 | CE2256468    | CAPACITOR  | CE 2.2UF 150V |      |
|   | C 545 | CY473623J    | CAPACITOR  | CY 0.047 UF |      |   | C 945 | CY104423J    | CAPACITOR  | CY 0.1 UF     |      |
|   | C 546 | CY473623J    | CAPACITOR  | CY 0.047 UF |      |   | C 951 | CY104423J    | CAPACITOR  | CY 0.1 UF     |      |
|   | C 547 | CY473623J    | CAPACITOR  | CY 0.047 UF |      |   | C 952 | CE1063468    | CAPACITOR  | CE 10 UF      |      |
|   | C 549 | CY473623J    | CAPACITOR  | CY 0.047 UF |      |   | C 961 | CE3383541    | CAPACITOR  | CE 3300 UF    |      |
|   | C 550 | CY333623J    | CAPACITOR  | CY 0.033 UF |      |   | C 962 | CE2256468    | CAPACITOR  | CE 2.2 UF     |      |
|   | C 551 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 964 | CE2271468    | CAPACITOR  | CE 220 UF     |      |
|   | C 552 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 965 | CE2263468    | CAPACITOR  | CE 22 UF      |      |
|   | C 553 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 966 | CY103623J    | CAPACITOR  | CY 0.01 UF    |      |
|   | C 554 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 967 | CE2263468    | CAPACITOR  | CE 22 UF      |      |
|   | C 555 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 968 | CY104423J    | CAPACITOR  | CY 0.1 UF     |      |
|   | C 556 | CZ8R06B2J    | CAPACITOR  | CZ 8 PF     |      |   | C 969 | CE2263468    | CAPACITOR  | CE 22 UF      |      |
|   | C 557 | CZ8R06B2J    | CAPACITOR  | CZ 8 PF     |      |   | C 970 | CY473623J    | CAPACITOR  | CY 0.047 UF   |      |
|   | C 558 | CZ1016D2J    | CAPACITOR  | CZ 100 PF   |      |   | C 971 | CE4763468    | CAPACITOR  | CE 47 UF      |      |
|   | C 571 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 977 | CE2263468    | CAPACITOR  | CE 22 UF      |      |
|   | C 573 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 978 | CE1071468    | CAPACITOR  | CE 100 UF     |      |
|   | C 574 | CE1071468    | CAPACITOR  | CE 100 UF   |      |   | C 982 | CE2263468    | CAPACITOR  | CE 22 UF      |      |
|   | C 581 | CE2271468    | CAPACITOR  | CE 220 UF   |      |   | C 987 | CY104423J    | CAPACITOR  | CY 0.1UF      |      |
|   | C 582 | CY103623J    | CAPACITOR  | CY 0.01 UF  |      |   | C 991 | CZ2716D2J    | CAPACITOR  | CZ 270PF      |      |
|   | C 583 | CE2263468    | CAPACITOR  | CE 22 UF    |      |   | C 992 | CZ2716D2J    | CAPACITOR  | CZ 270PF      |      |
|   | C 584 | CY473623J    | CAPACITOR  | CY 0.047 UF |      |   | C 993 | CZ2716D2J    | CAPACITOR  | CZ 270PF      |      |

■ Electrical parts list (Main board) Block No. 01

| △ | Item  | Parts number    | Parts name    | Remarks         | Area |
|---|-------|-----------------|---------------|-----------------|------|
|   | C 994 | CZ2716D2J       | CAPACITOR     | CZ 270PF        |      |
|   | C 995 | CZ2716D2J       | CAPACITOR     | CZ 270PF        |      |
|   | C 996 | CZ2716D2J       | CAPACITOR     | CZ 270PF        |      |
|   | C 997 | CZ2716D2J       | CAPACITOR     | CZ 270PF        |      |
|   | C 998 | CZ2716D2J       | CAPACITOR     | CZ 270PF        |      |
|   | CN301 | KN2507297       | CONNECTOR     | 7P BASE POST    |      |
|   | CN302 | KN2506297       | CONNECTOR     | KD-LX330R       |      |
|   | CN503 | KN2502091       | CONNECTOR     | 2P BASE POST S  |      |
|   | CN504 | KN2502091       | CONNECTOR     | 2P BASE POST S  |      |
|   | CN601 | KZ042260L       | CONNECTOR     | 26P TKC-W26P-   |      |
|   | CN701 | KZ041170L       | CONNECTOR     | 17P FPC 52559-  |      |
|   | CN702 | KZ040060L       | CONNECTOR     | 6P FPCR 52746-  |      |
|   | CN704 | KN530409L       | CONNECTOR     | 4P BASE POST 5  |      |
|   | CN771 | KX0040800       | CONNECTOR     | 8P BUS CONNECTO |      |
|   | CN901 | KX0071600       | CONNECTOR     | DC CONNECTOR (1 |      |
|   | D 1   | DI1SS400L       | DIODE         |                 |      |
|   | D 2   | DI1SS400L       | DIODE         |                 |      |
|   | D 3   | DI1SS400L       | DIODE         |                 |      |
|   | D 11  | DAN202U-X       | DIODE         |                 |      |
|   | D 31  | DI1SS400L       | SI.DIODE      |                 |      |
|   | D 101 | DAN202U-X       | DIODE         |                 |      |
|   | D 111 | DAN202U-W       | DIODE         |                 |      |
|   | D 131 | DAP202U-X       | DIODE         |                 |      |
|   | D 161 | DIAN217UL       | DIODE         |                 |      |
|   | D 201 | DAN202U-X       | SI.DIODE      |                 |      |
|   | D 231 | DAP202U-X       | DIODE         |                 |      |
|   | D 332 | DAN202U-X       | DIODE         |                 |      |
|   | D 351 | DAN202U-X       | DIODE         | KD-LX330R       |      |
|   | D 451 | DAN202U-X       | DIODE         | KD-LX330R       |      |
|   | D 701 | CRS03-X         | DIODE         |                 |      |
|   | D 711 | DI1SS400L       | DIODE         |                 |      |
|   | D 941 | DI1SS400L       | DIODE         |                 |      |
|   | D 961 | 1N5404-TU-15    | DIODE         |                 |      |
|   | D 962 | CRS03-X         | DIODE         |                 |      |
|   | D 963 | DI1SS400L       | DIODE         |                 |      |
|   | D 967 | CRS03-X         | DIODE         |                 |      |
|   | D 978 | UDZ11B-X        | Z.DIODE       | ZENER DI UDZ11  |      |
|   | D 980 | DI1SS400L       | DIODE         |                 |      |
|   | D 986 | DIAP202UL       | DIODE         |                 |      |
|   | IC 31 | LA3460M-X       | IC            |                 |      |
|   | IC 51 | BU1923F-X       | IC            |                 |      |
|   | IC171 | 000474740-T     | IC            | KD-LX110R       |      |
|   | IC301 | BA3220FV-X      | I.C(M)        | KD-LX330R       |      |
|   | IC321 | M5282FP-X       | I.C(MONO-ANA) | KD-LX330R       |      |
|   | IC322 | BU4066BCFV-X    | IC            | KD-LX330R       |      |
|   | IC323 | NJM4565MD       | IC            | KD-LX330R       |      |
|   | IC361 | NJM4565MD       | IC            | KD-LX110R       |      |
|   | IC401 | BA3220FV-X      | I.C(M)        | KD-LX330R       |      |
|   | IC461 | NJM4565MD       | IC            | KD-LX110R       |      |
|   | IC521 | TC9490FA        | IC            |                 |      |
|   | IC601 | TA2147F-X       | IC            |                 |      |
|   | IC661 | FAN8037         | IC            |                 |      |
|   | IC701 | UPD784215AGC129 | IC            |                 |      |
|   | IC702 | 000874360-T     | IC            | IC PST600MGT    |      |
|   | IC703 | BR24C32F-X      | IC            |                 |      |
|   | IC771 | HD74HC126FP     | IC            |                 |      |
|   | IC821 | NJM2100M        | I.C           |                 |      |
|   | IC821 | TA8273H         | I.C(MONO-ANA) | KD-LX330R       |      |
|   | IC911 | BD3860K         | IC            |                 |      |
|   | IC941 | TA8273H         | I.C(MONO-ANA) |                 |      |
|   | IC951 | NJM2904M        | IC            |                 |      |
|   | IC960 | NJM4565MD       | IC            |                 |      |
|   | IC961 | HA13164         | IC            |                 |      |

| △ | Item  | Parts number    | Parts name | Remarks         | Area |
|---|-------|-----------------|------------|-----------------|------|
|   | J 1   | EX0000487       | JACK       | ANTTENA CORD AS |      |
|   | L 1   | LC4R7J257       | COIL       | LC 4.7UH        |      |
|   | L 521 | LC470K10J       | COIL       | LC 47UH         |      |
|   | L 522 | LC470K10J       | COIL       | LC 47UH         |      |
|   | L 523 | RK820J32J       | COIL       | RK 1/4W 82K     |      |
|   | L 524 | LC470K10J       | COIL       | LC 47UH         |      |
|   | L 701 | LC470K10J       | COIL       | LC 47UH         |      |
|   | L 718 | LC1R8K24J       | COIL       | LC 1.8UH        |      |
|   | L 719 | LC1R8K24J       | COIL       | LC 1.8UH        |      |
|   | L 961 | 000125560       | CHOKE COIL |                 |      |
|   | Q 1   | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 11  | 2SB1197K/QR/-X  | TRANSISTOR |                 |      |
|   | Q 12  | TRC114EUL-A     | TRANSISTOR |                 |      |
|   | Q 13  | TRA1576(QRS)L-A | TRANSISTOR |                 |      |
|   | Q 21  | TRC4081(QRS)L   | TRANSISTOR |                 |      |
|   | Q 22  | TRC4081(QRS)L   | TRANSISTOR |                 |      |
|   | Q 23  | TRC4081(QRS)L   | TRANSISTOR |                 |      |
|   | Q 24  | TRC114EUL-A     | TRANSISTOR |                 |      |
|   | Q 31  | TRA114EUL-A     | TRANSISTOR |                 |      |
|   | Q 32  | TRC114EUL-A     | TRANSISTOR |                 |      |
|   | Q 33  | TRC4081(QRS)L   | TRANSISTOR |                 |      |
|   | Q 34  | TRA114EUL-A     | TRANSISTOR |                 |      |
|   | Q 35  | TRA1576(QRS)L-A | TRANSISTOR |                 |      |
|   | Q 36  | TRC114EUL-A     | TRANSISTOR |                 |      |
|   | Q 131 | 2SD1048/6-7/-X  | TRANSISTOR | KD-LX330R       |      |
|   | Q 132 | 2SD1048/6-7/-X  | TRANSISTOR |                 |      |
|   | Q 161 | 2SC4081/QR/-X   | TRANSISTOR |                 |      |
|   | Q 231 | 2SD1048/6-7/-X  | TRANSISTOR | KD-LX330R       |      |
|   | Q 232 | 2SD1048/6-7/-X  | TRANSISTOR |                 |      |
|   | Q 321 | TRC114EUL-A     | TRANSISTOR | KD-LX330R       |      |
|   | Q 322 | TRC114EUL-A     | TRANSISTOR | KD-LX330R       |      |
|   | Q 323 | 2SD1048/6-7/-X  | TRANSISTOR | KD-LX330R       |      |
|   | Q 501 | 2SB1241/QR/-T   | TRANSISTOR |                 |      |
|   | Q 561 | 2SB1241/QR/-T   | TRANSISTOR |                 |      |
|   | Q 590 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 591 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 700 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 701 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 702 | 2SA1576A/QR/-X  | TRANSISTOR |                 |      |
|   | Q 791 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 942 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 943 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 966 | 2SA1576A/QR/-X  | TRANSISTOR |                 |      |
|   | Q 977 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 979 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 981 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 982 | DTA114EUA-X     | DIGITAL.TR |                 |      |
|   | Q 983 | 2SC4081/QR/-X   | TRANSISTOR |                 |      |
|   | Q 986 | TRC114EUL-A     | TRANSISTOR |                 |      |
|   | R 1   | RK000JA0J       | RESISTOR   | RK 1/10W 0      |      |
|   | R 2   | RK104JA0J       | RESISTOR   | RK 1/10W 100 K  |      |
|   | R 3   | RK100JA0J       | RESISTOR   | RK 1/10W 10     |      |
|   | R 4   | RK103JA0J       | RESISTOR   | RK 1/10W 10K    |      |
|   | R 10  | RK4R7JA0J       | RESISTOR   | RK 1/10W 4.7    |      |
|   | R 11  | RK4R7JA0J       | RESISTOR   | RK 1/10W 4.7    |      |
|   | R 12  | RK473JA0J       | RESISTOR   | RK 1/10W 47 K   |      |
|   | R 13  | RK472JA0J       | RESISTOR   | RK 1/10W 4.7K   |      |
|   | R 14  | RK473JA0J       | RESISTOR   | RK 1/10W 47 K   |      |
|   | R 15  | RK332JA0J       | RESISTOR   | RK1/10W 3.3K    |      |
|   | R 21  | RK473JA0J       | RESISTOR   | RK 1/10W 47K    |      |
|   | R 22  | RK393JA0J       | RESISTOR   | RK 1/10W 39K    |      |
|   | R 23  | RK103JA0J       | RESISTOR   | RK 1/10W 10K    |      |
|   | R 23  | RK222JA0J       | RESISTOR   | RK 1/10W 2.2K   |      |

## ■ Electrical parts list (Main board)

Block No. 01

| △     | Item      | Parts number | Parts name    | Remarks | Area | △     | Item      | Parts number | Parts name    | Remarks | Area |
|-------|-----------|--------------|---------------|---------|------|-------|-----------|--------------|---------------|---------|------|
| R 24  | RK222JA0J | RESISTOR     | RK 1/10W 2.2K |         |      | R 201 | RK682JA0J | RESISTOR     | RK 1/10W 6.8K |         |      |
| R 25  | RK103JA0J | RESISTOR     | RK 1/10W 10K  |         |      | R 202 | RK223JA0J | RESISTOR     | RK 1/10W 22K  |         |      |
| R 26  | RK153JA0J | RESISTOR     | RK 1/10W 15K  |         |      | R 211 | RK224JA0J | RESISTOR     | RK 1/10W 220K |         |      |
| R 27  | RK471JA0J | RESISTOR     | RK 1/10W 470  |         |      | R 218 | RK104JA0J | RESISTOR     | RK 1/10W 100K |         |      |
| R 27  | RK393JA0J | RESISTOR     | RK 1/10W 39K  |         |      | R 219 | RK101JA0J | RESISTOR     | RK 1/10W 100  |         |      |
| R 28  | RK683JA0J | RESISTOR     | RK 1/10W 68K  |         |      | R 231 | RK222JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 28  | RK103JA0J | RESISTOR     | RK 1/10W 10K  |         |      | R 231 | RK222JA0J | RESISTOR     | RK 1/10W 2.2K |         |      |
| R 31  | RK123JA0J | RESISTOR     | RK 1/10W 12K  |         |      | R 232 | RK222JA0J | RESISTOR     | RK 1/10W 2.2K |         |      |
| R 32  | RK474JA0J | RESISTOR     | RK 1/10W 470K |         |      | R 233 | RK681JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 33  | RK222JA0J | RESISTOR     | RK 1/10W 2.2K |         |      | R 234 | RK681JA0J | RESISTOR     | RK 1/10W 680  |         |      |
| R 34  | RK392JA0J | RESISTOR     | RK 1/10W 3.9K |         |      | R 235 | RK101JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 35  | RK333JA0J | RESISTOR     | RK 1/10W 33K  |         |      | R 235 | RK101JA0J | RESISTOR     | RK 1/10W 100K |         |      |
| R 36  | RK683JA0J | RESISTOR     | RK 1/10W 68K  |         |      | R 236 | RK101JA0J | RESISTOR     | RK 1/10W 100  |         |      |
| R 37  | RK222JA0J | RESISTOR     | RK 1/10W 2.2K |         |      | R 241 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 38  | RK183JA0J | RESISTOR     | RK 1/10W 18K  |         |      | R 242 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 39  | RK223JA0J | RESISTOR     | RK 1/10W 22K  |         |      | R 243 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 40  | RK562JA0J | RESISTOR     | RK 1/10W 5.6K |         |      | R 244 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 41  | RK105JA0J | RESISTOR     | RK 1/10W 1M   |         |      | R 245 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 42  | RK471JA0J | RESISTOR     | RK 1/10W 470  |         |      | R 246 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 43  | RK104JA0J | RESISTOR     | RK 1/10W 100K |         |      | R 251 | RK153JA0J | RESISTOR     | RK 1/10W 15   |         |      |
| R 44  | RK102JA0J | RESISTOR     | RK 1/10W 1K   |         |      | R 252 | RK333JA0J | RESISTOR     | RK 1/10W 33K  |         |      |
| R 45  | RK473JA0J | RESISTOR     | RK 1/10W 47K  |         |      | R 253 | RK123JA0J | RESISTOR     | RK 1/10W 12K  |         |      |
| R 46  | RK563JA0J | RESISTOR     | RK 1/10W 56K  |         |      | R 255 | RK472JA0J | RESISTOR     | RK 1/10W 4.7K |         |      |
| R 47  | RK000JA0J | RESISTOR     | RK 1/10W 0K   |         |      | R 272 | RK104JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 51  | RK101JA0J | RESISTOR     | RK 1/10W 100K |         |      | R 273 | RK822JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 52  | RK222JA0J | RESISTOR     | RK 1/10W 2.2K |         |      | R 274 | RK822JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 53  | RK103JA0J | RESISTOR     | RK 1/10W 10K  |         |      | R 275 | RK103JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 54  | RK222JA0J | RESISTOR     | RK 1/10W 2.2K |         |      | R 276 | RK103JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 101 | RK682JA0J | RESISTOR     | RK 1/10W 6.8K |         |      | R 277 | RK102JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 102 | RK223JA0J | RESISTOR     | RK 1/10W 22K  |         |      | R 301 | RK243JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 111 | RK224JA0J | RESISTOR     | RK 1/10W 220K |         |      | R 302 | RK243JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 118 | RK104JA0J | RESISTOR     | RK 1/10W 100K |         |      | R 303 | RK333JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 119 | RK101JA0J | RESISTOR     | RK 1/10W 100  |         |      | R 304 | RK333JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 131 | RK222JA0J | RESISTOR     | KD-LX330R     |         |      | R 305 | RK154JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 132 | RK222JA0J | RESISTOR     | RK 1/10W 2.2K |         |      | R 322 | RK103JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 133 | RK681JA0J | RESISTOR     | KD-LX110R     |         |      | R 323 | RK103JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 134 | RK681JA0J | RESISTOR     | RK 1/10W 680  |         |      | R 324 | RK104JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 135 | RK101JA0J | RESISTOR     | KD-LX330R     |         |      | R 325 | RK104JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 136 | RK101JA0J | RESISTOR     | RK 1/10W 100  |         |      | R 326 | RK103JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 141 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      | R 327 | RK562JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 142 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      | R 328 | RK153JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 143 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      | R 329 | RK000JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 144 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      | R 330 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 145 | RK473JA0J | RESISTOR     | KD-LX110R     |         |      | R 331 | RK104JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 146 | RK473JA0J | RESISTOR     | KD-LX110R     |         |      | R 332 | RK104JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 151 | RK153JA0J | RESISTOR     | RK 1/10W 15   |         |      | R 333 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 152 | RK333JA0J | RESISTOR     | RK 1/10W 33K  |         |      | R 334 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 153 | RK123JA0J | RESISTOR     | RK 1/10W 12K  |         |      | R 335 | RK821JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 155 | RK472JA0J | RESISTOR     | RK 1/10W 4.7K |         |      | R 336 | RK473JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 161 | RK473JA0J | RESISTOR     | RK 1/10W 47K  |         |      | R 337 | RK472JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 162 | RK123JA0J | RESISTOR     | RK 1/10W 12K  |         |      | R 338 | RK101JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 163 | RK184JA0J | RESISTOR     | RK 1/10W 180K |         |      | R 339 | RK101JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 164 | RK223JA0J | RESISTOR     | RK 1/10W 22K  |         |      | R 340 | RK474JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 165 | RK391JA0J | RESISTOR     | RK 1/10W 390  |         |      | R 341 | RK105JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 166 | RK102JA0J | RESISTOR     | RK 1/10W 1K   |         |      | R 342 | RK105JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 167 | RK274JA0J | RESISTOR     | RK 1/10W 270K |         |      | R 343 | RK105JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 171 | RK471JA0J | RESISTOR     | KD-LX330R     |         |      | R 344 | RK105JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 172 | RK104JA0J | RESISTOR     | KD-LX330R     |         |      | R 351 | RK224JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 173 | RK822JA0J | RESISTOR     | KD-LX330R     |         |      | R 352 | RK224JA0J | RESISTOR     | KD-LX330R     |         |      |
| R 174 | RK822JA0J | RESISTOR     | KD-LX330R     |         |      | R 353 | RK105JA0J | RESISTOR     | RK 1/10W 1M   |         |      |
| R 175 | RK103JA0J | RESISTOR     | KD-LX330R     |         |      | R 354 | RK682JA0J | RESISTOR     | RK 1/10W 6.8K |         |      |
| R 176 | RK103JA0J | RESISTOR     | KD-LX330R     |         |      | R 355 | RK224JA0J | RESISTOR     | RK 1/10W 220K |         |      |
| R 177 | RK102JA0J | RESISTOR     | KD-LX330R     |         |      | R 358 | RK332JA0J | RESISTOR     | RK 1/10W 3.3K |         |      |

■ Electrical parts list (Main board) Block No. 01

| △ | Item  | Parts number | Parts name | Remarks       | Area | △ | Item  | Parts number | Parts name | Remarks       | Area |
|---|-------|--------------|------------|---------------|------|---|-------|--------------|------------|---------------|------|
|   | R 361 | RK473JA0J    | RESISTOR   | KD-LX110R     |      |   | R 545 | RK101JA0J    | RESISTOR   | RK 1/10W 100  |      |
|   | R 362 | RK473JA0J    | RESISTOR   | KD-LX110R     |      |   | R 547 | RK101JA0J    | RESISTOR   | RK 1/10W 100  |      |
|   | R 363 | RK154JA0J    | RESISTOR   | KD-LX110R     |      |   | R 550 | RK105JA0J    | RESISTOR   | RK 1/10W 1M   |      |
|   | R 364 | RK154JA0J    | RESISTOR   | KD-LX110R     |      |   | R 555 | RK000JA0J    | RESISTOR   | RK 1/10W 0    |      |
|   | R 365 | RK333JA0J    | RESISTOR   | KD-LX110R     |      |   | R 556 | RK106JA0J    | RESISTOR   | RK 1/10W 10M  |      |
|   | R 366 | RK333JA0J    | RESISTOR   | KD-LX110R     |      |   | R 581 | RK332JA0J    | RESISTOR   | RK 1/10W 3.3K |      |
|   | R 367 | RK154JA0J    | RESISTOR   | KD-LX110R     |      |   | R 582 | RK122JA0J    | RESISTOR   | RK 1/10W 1.2K |      |
|   | R 368 | RK154JA0J    | RESISTOR   | KD-LX110R     |      |   | R 583 | RK332JA0J    | RESISTOR   | RK 1/10W 3.3K |      |
|   | R 369 | RK103JA0J    | RESISTOR   | KD-LX110R     |      |   | R 584 | RK182JA0J    | RESISTOR   | RK 1/10W 1.8  |      |
|   | R 370 | RK103JA0J    | RESISTOR   | KD-LX110R     |      |   | R 585 | RK682JA0J    | RESISTOR   | RK 1/10W 6.8K |      |
|   | R 401 | RK243JA0J    | RESISTOR   | KD-LX330R     |      |   | R 586 | RK682JA0J    | RESISTOR   | RK 1/10W 6.8K |      |
|   | R 402 | RK243JA0J    | RESISTOR   | KD-LX330R     |      |   | R 587 | RK682JA0J    | RESISTOR   | RK 1/10W 6.8K |      |
|   | R 403 | RK333JA0J    | RESISTOR   | KD-LX330R     |      |   | R 588 | RK682JA0J    | RESISTOR   | RK 1/10W 6.8K |      |
|   | R 404 | RK333JA0J    | RESISTOR   | KD-LX330R     |      |   | R 589 | RK392JA0J    | RESISTOR   | RK 1/10W 3.9K |      |
|   | R 405 | RK154JA0J    | RESISTOR   | KD-LX330R     |      |   | R 590 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 451 | RK224JA0J    | RESISTOR   | KD-LX330R     |      |   | R 591 | RK392JA0J    | RESISTOR   | RK 1/10W 3.9K |      |
|   | R 452 | RK224JA0J    | RESISTOR   | KD-LX330R     |      |   | R 592 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 454 | RK682JA0J    | RESISTOR   | RK 1/10W 6.8K |      |   | R 593 | RK392JA0J    | RESISTOR   | RK 1/10W 3.9K |      |
|   | R 455 | RK224JA0J    | RESISTOR   | RK 1/10W 220K |      |   | R 594 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 458 | RK332JA0J    | RESISTOR   | RK 1/10W 3.3K |      |   | R 595 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 461 | RK473JA0J    | RESISTOR   | KD-LX110R     |      |   | R 596 | RK333JA0J    | RESISTOR   | RK 1/10W 33K  |      |
|   | R 462 | RK473JA0J    | RESISTOR   | KD-LX110R     |      |   | R 597 | RD104J3CC    | RESISTOR   | RD 1/4W 100K  |      |
|   | R 463 | RK154JA0J    | RESISTOR   | KD-LX110R     |      |   | R 701 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 464 | RK154JA0J    | RESISTOR   | KD-LX110R     |      |   | R 702 | RK101JA0J    | RESISTOR   | RK 1/10W 100  |      |
|   | R 465 | RK333JA0J    | RESISTOR   | KD-LX110R     |      |   | R 703 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 466 | RK333JA0J    | RESISTOR   | KD-LX110R     |      |   | R 704 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 467 | RK154JA0J    | RESISTOR   | KD-LX110R     |      |   | R 705 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 468 | RK154JA0J    | RESISTOR   | KD-LX110R     |      |   | R 706 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 469 | RK103JA0J    | RESISTOR   | KD-LX110R     |      |   | R 707 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 470 | RK103JA0J    | RESISTOR   | KD-LX110R     |      |   | R 708 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 501 | RK823JA0J    | RESISTOR   | RK 1/10W 82K  |      |   | R 709 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 502 | RK823JA0J    | RESISTOR   | RK 1/10W 82K  |      |   | R 710 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 503 | RK823JA0J    | RESISTOR   | RK 1/10W 82K  |      |   | R 711 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 504 | RK823JA0J    | RESISTOR   | RK 1/10W 82K  |      |   | R 712 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 505 | RK154JA0J    | RESISTOR   | RK 1/10W 150K |      |   | R 713 | RK222JA0J    | RESISTOR   | RK 1/10W 2.2K |      |
|   | R 506 | RK154JA0J    | RESISTOR   | RK 1/10W 150K |      |   | R 714 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 507 | RK220JA0J    | RESISTOR   | RK 1/10W 22   |      |   | R 715 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 508 | RK220JA0J    | RESISTOR   | RK 1/10W 22   |      |   | R 716 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 509 | RK821JA1J    | RESISTOR   | RK 1/10W 820  |      |   | R 717 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 510 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |   | R 718 | RK104JA0J    | RESISTOR   | RK 1/10W 100K |      |
|   | R 511 | RK822JA0J    | RESISTOR   | RK 1/10W 8.2K |      |   | R 719 | RK104JA0J    | RESISTOR   | RK 1/10W 100K |      |
|   | R 512 | RK202JA0J    | RESISTOR   | RK 1/10W 2K   |      |   | R 720 | RK331JA0J    | RESISTOR   | RK 1/10W 330  |      |
|   | R 513 | RK102JA0J    | RESISTOR   | RK 1/10W 1K   |      |   | R 721 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 514 | RK273JA0J    | RESISTOR   | RK 1/10W 27K  |      |   | R 722 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 515 | RK823JA0J    | RESISTOR   | RK 1/10W 82K  |      |   | R 723 | RK102JA0J    | RESISTOR   | RK 1/10W 1K   |      |
|   | R 516 | RK101JA0J    | RESISTOR   | RK 1/10W 100  |      |   | R 724 | RK271JA0J    | RESISTOR   | RK 1/10W 270  |      |
|   | R 520 | RK222JA0J    | RESISTOR   | RK 1/10W 2.2K |      |   | R 725 | RK271JA0J    | RESISTOR   | RK 1/10W 270  |      |
|   | R 521 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |   | R 726 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 522 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |   | R 728 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 523 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |   | R 730 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 524 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |   | R 731 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 525 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |   | R 732 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 530 | RK225JA0J    | RESISTOR   | RK 1/10W 2.2K |      |   | R 733 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 531 | RK562JA0J    | RESISTOR   | RK 1/10W 5.6K |      |   | R 734 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 532 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |   | R 735 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 533 | RK474JA0J    | RESISTOR   | RK 1/10W 470K |      |   | R 736 | RK102JA0J    | RESISTOR   | RK 1/10W 1K   |      |
|   | R 536 | RK333JA0J    | RESISTOR   | RK 1/10W 33K  |      |   | R 737 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 537 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |   | R 738 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 540 | RK000JA0J    | RESISTOR   | RK 1/10W 0    |      |   | R 739 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 541 | RK101JA0J    | RESISTOR   | RK 1/10W 100  |      |   | R 740 | RK473JA0J    | RESISTOR   | KD-LX330R     |      |
|   | R 542 | RK101JA0J    | RESISTOR   | RK 1/10W 100  |      |   | R 742 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 543 | RK000JA0J    | RESISTOR   | RK 1/10W 0    |      |   | R 743 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 544 | RK000JA0J    | RESISTOR   | RK 1/10W 0    |      |   | R 746 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |

## ■ Electrical parts list (Main board)

Block No. 01

| △ | Item  | Parts number | Parts name   | Remarks         | Area |
|---|-------|--------------|--------------|-----------------|------|
|   | R 747 | RK473JA0J    | RESISTOR     | RK 1/10W 47K    |      |
|   | R 748 | RK473JA0J    | RESISTOR     | RK 1/10W 47K    |      |
|   | R 749 | RK473JA0J    | RESISTOR     | RK 1/10W 47K    |      |
|   | R 750 | RK473JA0J    | RESISTOR     | RK 1/10W 47K    |      |
|   | R 751 | RK106JA0J    | RESISTOR     | RK 1/10W 10M    |      |
|   | R 752 | RK473JA0J    | RESISTOR     | KD-LX110R       |      |
|   | R 757 | RK103JA0J    | RESISTOR     | RK 1/10W 10K    |      |
|   | R 758 | RK331JA0J    | RESISTOR     | RK 1/10W 330    |      |
|   | R 761 | RK103JA0A    | RESISTOR     | RK1/10W 10 K    |      |
|   | R 762 | RK222JA0J    | RESISTOR     | RK1/10W 2.2K    |      |
|   | R 763 | RK222JA0J    | RESISTOR     | RK1/10W 2.2K    |      |
|   | R 764 | RK222JA0J    | RESISTOR     | RK1/10W 2.2K    |      |
|   | R 765 | RK222JA0J    | RESISTOR     | RK1/10W 2.2K    |      |
|   | R 772 | RK473JA0J    | RESISTOR     | RK 1/10W 47K    |      |
|   | R 773 | RK223JA0J    | RESISTOR     | RK 1/10W 22K    |      |
|   | R 774 | RK101JA0J    | RESISTOR     | RK 1/10W 100    |      |
|   | R 775 | RK103JA0J    | RESISTOR     | RK 1/10W 10K    |      |
|   | R 776 | RK104JA0J    | RESISTOR     | RK 1/10W 100K   |      |
|   | R 777 | RK223JA0J    | RESISTOR     | RK 1/10W 22K    |      |
|   | R 778 | RK101JA0J    | RESISTOR     | RK 1/10W 100    |      |
|   | R 779 | RK473JA0J    | RESISTOR     | RK 1/10W 47K    |      |
|   | R 781 | RK331JA0J    | RESISTOR     | RK 1/10W 330    |      |
|   | R 782 | RK104JA0J    | RESISTOR     | RK 1/10W 100K   |      |
|   | R 791 | RK102JA0J    | RESISTOR     | RK 1/10W 1K     |      |
|   | R 821 | RD102J3CQ    | RESISTOR     | KD-LX330R       |      |
|   | R 822 | RK822JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 823 | RK223JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 824 | RK822JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 825 | RK223JA0J    | RESISTOR     | KD-LX330R 22K   |      |
|   | R 826 | RK153JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 827 | RK472JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 828 | RK223JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 829 | RK223JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 830 | RK103JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 831 | RK820JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 911 | RK222JA0J    | RESISTOR     | RK 1/10W 2.2K   |      |
|   | R 912 | RK222JA0J    | RESISTOR     | RK 1/10W 2.2K   |      |
|   | R 941 | RK273JA0J    | RESISTOR     | RK 1/10W 27K    |      |
|   | R 943 | RK562JA0J    | RESISTOR     | RK 1/10W 5.6    |      |
|   | R 951 | RK562JA0J    | RESISTOR     | KD-LX330R       |      |
|   | R 952 | RK102JA0J    | RESISTOR     | RK 1/10W 1K     |      |
|   | R 953 | RK562JA0J    | RESISTOR     | RK 1/10W 5.6K   |      |
|   | R 954 | RK103JA0J    | RESISTOR     | RK 1/10W 10K    |      |
|   | R 962 | RK912JA0J    | RESISTOR     | RK 1/10W 9.1K   |      |
|   | R 963 | RK472JA0J    | RESISTOR     | RK 1/10W 4.7K   |      |
|   | R 970 | RK123JA0J    | RESISTOR     | RK 1/10W 12K    |      |
|   | R 971 | RK393JA0J    | RESISTOR     | RK 1/10W 39K    |      |
|   | R 976 | RK222JA1J    | RESISTOR     | RK 1/10W 2.2    |      |
|   | R 977 | RK222JA1J    | RESISTOR     | RK 1/10W 2.2    |      |
|   | R 978 | RK104JA1J    | N.F RESISTOR | RK 1/10W 100    |      |
|   | R 979 | RD102J3CQ    | RESISTOR     | RD 1/4W 1       |      |
|   | R 981 | RK183JA0J    | RESISTOR     |                 |      |
|   | R 984 | RK473JA0J    | RESISTOR     | RK 1/10W 47K    |      |
|   | R 985 | RK472JA0J    | N.F RESISTOR | RK 1/10W 4.7K   |      |
|   | R 986 | RK102JA0J    | RESISTOR     | RK 1/10W 1K     |      |
|   | R 987 | RK473JA0J    | RESISTOR     | RK 1/10W 47K    |      |
|   | R 988 | RK332JA0J    | RESISTOR     | RK 1/10W 3.3K   |      |
|   | S 651 | 000392900-T  | SWITCH       | SW MPU12270MLB1 |      |
|   | S 652 | 000392900-T  | SWITCH       | SW MPU12270MLB1 |      |
|   | S 653 | 000392900-T  | SWITCH       | SW MPU12270MLB1 |      |
|   | TH981 | TH103J05J    | THERMISTOR   | THERMISTOR 10K  |      |
|   | TU 1  | 000153580    | TUNNER PUCK  |                 |      |
|   | VR 31 | SFR503027    | ENCODER      |                 |      |

| △ | Item  | Parts number | Parts name | Remarks         | Area |
|---|-------|--------------|------------|-----------------|------|
|   | X 31  | 000067990    | CRYSTAL    |                 |      |
|   | X 51  | 000171200-T  | CRYSTAL    | X'TAL 4.332MHZ  |      |
|   | X 521 | 000171590-T  | CRYSTAL    | X'TAL 16.9344MH |      |
|   | X 701 | 000171600-T  | CRYSTAL    | X'TAL 12.5MHZ   |      |
|   | X 702 | QAX0401-001  | CRYSTAL    | X'TAL 32.768KHZ |      |

## ■ Electrical parts list (Front board)

Block No. 02

| △ | Item  | Parts number  | Parts name     | Remarks         | Area |
|---|-------|---------------|----------------|-----------------|------|
|   | C 601 | CY475316J     | CAPACITOR      | CY 4.7 UF       |      |
|   | C 602 | CY104423J     | CAPACITOR      | CY 0.1 UF       |      |
|   | C 603 | CY104423J     | CAPACITOR      | CY 0.1 UF       |      |
|   | C 604 | CY102623J     | CAPACITOR      | CY 0.001 UF     |      |
|   | C 605 | CY475316J     | CAPACITOR      | CY 4.7 UF       |      |
|   | C 606 | CY104423J     | CAPACITOR      | CY 0.1 UF       |      |
|   | C 607 | CY104423J     | CAPACITOR      | CY 0.1 UF       |      |
|   | C 608 | CY102623J     | CAPACITOR      | KD-LX110R       |      |
|   | C 608 | CY104423J     | CAPACITOR      | KD-LX330R       |      |
|   | C 609 | CZ1016D2J     | CAPACITOR      | KD-LX330R       |      |
|   | C 610 | CY475316J     | CAPACITOR      | KD-LX330R       |      |
|   | C 611 | CY475316J     | CAPACITOR      | CY 4.7 UF       |      |
|   | C 612 | CQ393628J     | CAPACITOR      | CQ 0.039 UF     |      |
|   | C 613 | CY180J90J     | CAPACITOR      | CY 18 PF        |      |
|   | C 614 | CY104423J     | CAPACITOR      | CY 0.1 UF       |      |
|   | C 615 | CY562623J     | CAPACITOR      | CY 0.0056UF     |      |
|   | C 616 | CY475316J     | CAPACITOR      | CY 4.7 UF       |      |
|   | C 623 | CY475316J     | CAPACITOR      | CY 4.7 UF       |      |
|   | CN601 | KZ040170L     | CONNECTOR      | 17P FPC CONNECT |      |
|   | CN631 | KZ040060L     | CONNECTOR      | 6P FPC CONNECTO |      |
|   | D 623 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 624 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 625 | UDZS5.1B      | ZENER DIODE    |                 |      |
|   | D 626 | DI1SS400L     | DIODE          |                 |      |
|   | D 627 | 000372390-T   | DIODE          | LED LT1F67AF    |      |
|   | D 628 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 629 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 630 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 631 | CL-190UB-X-X  | DIODE          | LED CL-190UB-X  |      |
|   | D 632 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 633 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 634 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 635 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 636 | 000372400-T   | DIODE          | LED SML310LT    |      |
|   | D 637 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 638 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 639 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 640 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 641 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 642 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 643 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 644 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 645 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 646 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 647 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 648 | 000372410-T   | DIODE          | LED CL-190SD-X  |      |
|   | D 650 | CL-190UB-X-X  | DIODE          | LED CL-190UB-X  |      |
|   | FL611 | 000282950     | CFL            | CFL             |      |
|   | IC601 | TA2147F-X     | IC             |                 |      |
|   | IC602 | LC75823W      | IC             | KD-LX110R       |      |
|   | IC602 | LC75811W      | I.C(M)         | KD-LX330R       |      |
|   | IC603 | RPM6938-SV4   | IC             | IC RPM6938-V4   |      |
|   | L 611 | LC680J26L     | CHOKE COIL     | CHOKE COIL 68UH |      |
|   | L 612 | 000125810     | COIL           | TRANS TR11-B-S  |      |
|   | L 613 | LC100K10J     | COIL           | CHOKE COIL 10UH |      |
|   | PC601 | 000874550     | IC             | IC PR-20        |      |
|   | Q 611 | 2SD2150/RS/-W | POW TRANSISTOR |                 |      |
|   | Q 612 | 2SD2150/RS/-W | POW TRANSISTOR |                 |      |
|   | Q 691 | 2SC4081/QR/-X | TRANSISTOR     |                 |      |
|   | Q 692 | 2SC4081/QR/-X | TRANSISTOR     |                 |      |
|   | R 601 | RK103JA0J     | RESISTOR       | RK 1/10W 10K    |      |
|   | R 602 | RK103JA0J     | RESISTOR       | RK 1/10W 10K    |      |
|   | R 603 | RK103JA0J     | RESISTOR       | RK 1/10W 10K    |      |

| △ | Item  | Parts number | Parts name | Remarks       | Area |
|---|-------|--------------|------------|---------------|------|
|   | R 604 | RK473JA0J    | RESISTOR   | RK 1/10W 47K  |      |
|   | R 605 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 606 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 607 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 608 | RK473JA0J    | RESISTOR   | KD-LX110R     |      |
|   | R 608 | RK103JA0J    | RESISTOR   | KD-LX330R     |      |
|   | R 609 | RK153JA0J    | RESISTOR   | KD-LX330R     |      |
|   | R 611 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 612 | RK472JA0J    | RESISTOR   | RK 1/10W 4.7K |      |
|   | R 613 | RK681JA0J    | RESISTOR   | RK 1/10W 680  |      |
|   | R 621 | RK271JA0J    | RESISTOR   | RK 1/10W 270  |      |
|   | R 622 | RK331JA0J    | RESISTOR   | RK 1/10W 330  |      |
|   | R 623 | RK821JA0J    | RESISTOR   | RK 1/10W 820  |      |
|   | R 624 | RK821JA0J    | RESISTOR   | RK 1/10W 820  |      |
|   | R 625 | RK471JA0J    | RESISTOR   | RK 1/10W 470  |      |
|   | R 626 | RK103JA0J    | RESISTOR   | RK 1/10W 10K  |      |
|   | R 627 | RK121JA0J    | RESISTOR   | RK 1/10W 120  |      |
|   | R 628 | RK000JA0J    | RESISTOR   | RK 1/10W 0    |      |
|   | R 629 | RK471JA0J    | RESISTOR   | RK 1/10W 470  |      |
|   | R 630 | RK271JA0J    | RESISTOR   | RK 1/10W 270  |      |
|   | R 631 | RK391JA0J    | RESISTOR   | RK 1/10W 390  |      |
|   | R 632 | RK221JA0J    | RESISTOR   | RK 1/10W 220  |      |
|   | R 633 | RK221JA0J    | RESISTOR   | RK 1/10W 220  |      |
|   | R 634 | RK221JA0J    | RESISTOR   | RK 1/10W 220  |      |
|   | R 635 | RK221JA0J    | RESISTOR   | RK 1/10W 220  |      |
|   | R 636 | RK821JA0J    | RESISTOR   | RK 1/10W 820  |      |
|   | R 638 | RK122JA0J    | RESISTOR   | RK 1/10W 1.2K |      |
|   | R 639 | RK182JA0J    | RESISTOR   | RK 1/10W 1.8K |      |
|   | R 640 | RK272JA0J    | RESISTOR   | RK 1/10W 2.7K |      |
|   | R 641 | RK392JA0J    | RESISTOR   | RK 1/10W 3.9K |      |
|   | R 642 | RK821JA0J    | RESISTOR   | RK 1/10W 820  |      |
|   | R 643 | RK821JA0J    | RESISTOR   | RK 1/10W 820  |      |
|   | R 644 | RK122JA0J    | RESISTOR   | RK 1/10W 1.2K |      |
|   | R 645 | RK182JA0J    | RESISTOR   | RK 1/10W 1.8K |      |
|   | R 646 | RK272JA0J    | RESISTOR   | RK 1/10W 2.7K |      |
|   | R 647 | RK392JA0J    | RESISTOR   | RK 1/10W 3.9K |      |
|   | R 648 | RK271JA0J    | RESISTOR   | RK 1/10W 270  |      |
|   | R 649 | RK271JA0J    | RESISTOR   | RK 1/10W 270  |      |
|   | R 650 | RK391JA0J    | RESISTOR   | RK 1/10W 390  |      |
|   | R 651 | RK221JA0J    | RESISTOR   | RK 1/10W 220  |      |
|   | R 652 | RK221JA0J    | RESISTOR   | RK 1/10W 220  |      |
|   | R 658 | RK181JA0J    | RESISTOR   | RK 1/10W 180  |      |
|   | R 667 | RK104JA0J    | RESISTOR   | RK 1/10W 100K |      |
|   | R 668 | RK104JA0J    | RESISTOR   | RK 1/10W 100K |      |
|   | R 671 | RK331JA0J    | RESISTOR   | RK 1/10W 330  |      |
|   | R 672 | RK331JA0J    | RESISTOR   | RK 1/10W 330  |      |
|   | R 673 | RK332JA0J    | RESISTOR   | RK 1/10W 3.3K |      |
|   | R 674 | RK332JA0J    | RESISTOR   | RK 1/10W 3.3K |      |
|   | R 675 | RK332JA0J    | RESISTOR   | RK 1/10W 3.3K |      |
|   | R 676 | RK181JA0J    | RESISTOR   | RK 1/10W 180  |      |
|   | R 691 | RK104JA0J    | RESISTOR   | RK 1/10W 100K |      |
|   | R 692 | RK393JA0J    | RESISTOR   | RK 1/10W 39K  |      |
|   | R 693 | RK104JA0J    | RESISTOR   | RK 1/10W 100K |      |
|   | R 694 | RK393JA0J    | RESISTOR   | RK 1/10W 39K  |      |
|   | RR637 | RK821JA0J    | RESISTOR   | RK 1/10W 820  |      |
|   | S 623 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 624 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 625 | 000392910-T  | SWITCH     | TACT SW       |      |
|   | S 631 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 632 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 633 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 634 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 635 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |



## ■ Electrical parts list

Block No. 02

| △ | Item  | Parts number | Parts name | Remarks       | Area |
|---|-------|--------------|------------|---------------|------|
|   | S 636 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 637 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 638 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 639 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 640 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 641 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 642 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | S 643 | 000392870-T  | SWITCH     | TACT SW LS8J2 |      |
|   | VR621 | 000392860    | ENCODER    | ENCODER EC12E |      |