

2DIN CD RECEIVER

DPX304/308U/404U

DPX-MP3120/U5120/U5120S

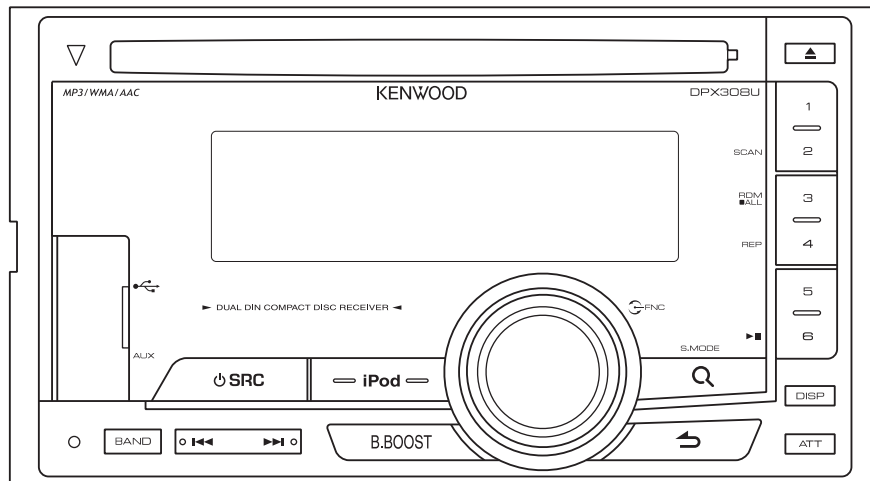
SERVICE MANUAL

KENWOOD

Kenwood Corporation

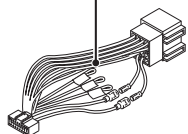
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B53-0860-00 (N) 303

Illustrations is DPX308U



**DPX304
DPX404U**

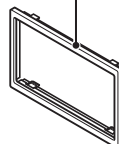
DC cord
(E30-6940-05)



Compact disc (Manual)
(W01-1794-05)

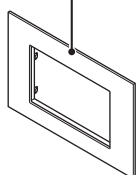


Escutcheon
(B07-3165-02)



DPX308U

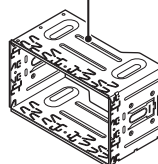
Escutcheon
(B07-3172-12)



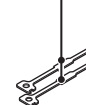
Adhesive double-coated tape
(H30-0595-04)



Mounting hardware assy
(J22-0429-13)

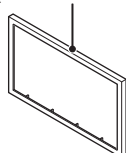


Lever
(D10-7012-04) x2

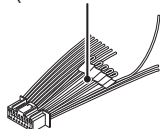


**DPX-MP3120
DPX-U5120
DPX-U5120S**

Escutcheon
(B07-3025-02)



DC cord
(E30-6939-05)

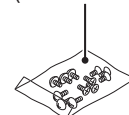


Remote controller assy
(A70-2104-05)



RC-405

Screw set
(N99-1779-15)



Installation caution

X34- R44 (RS14KB3DR22J)

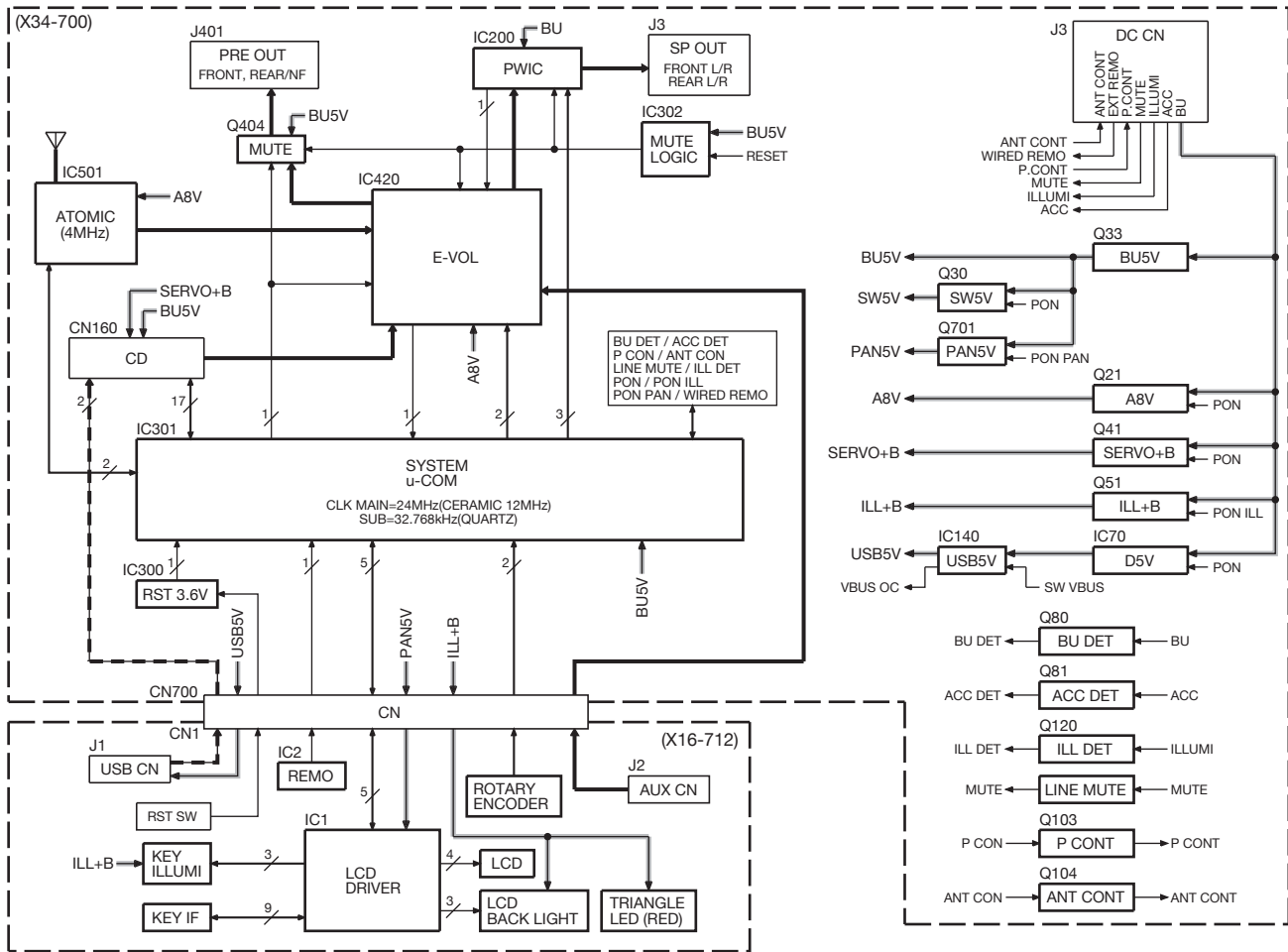


This product uses Lead Free solder.

This product complies with the **RoHS** directive for the European market.

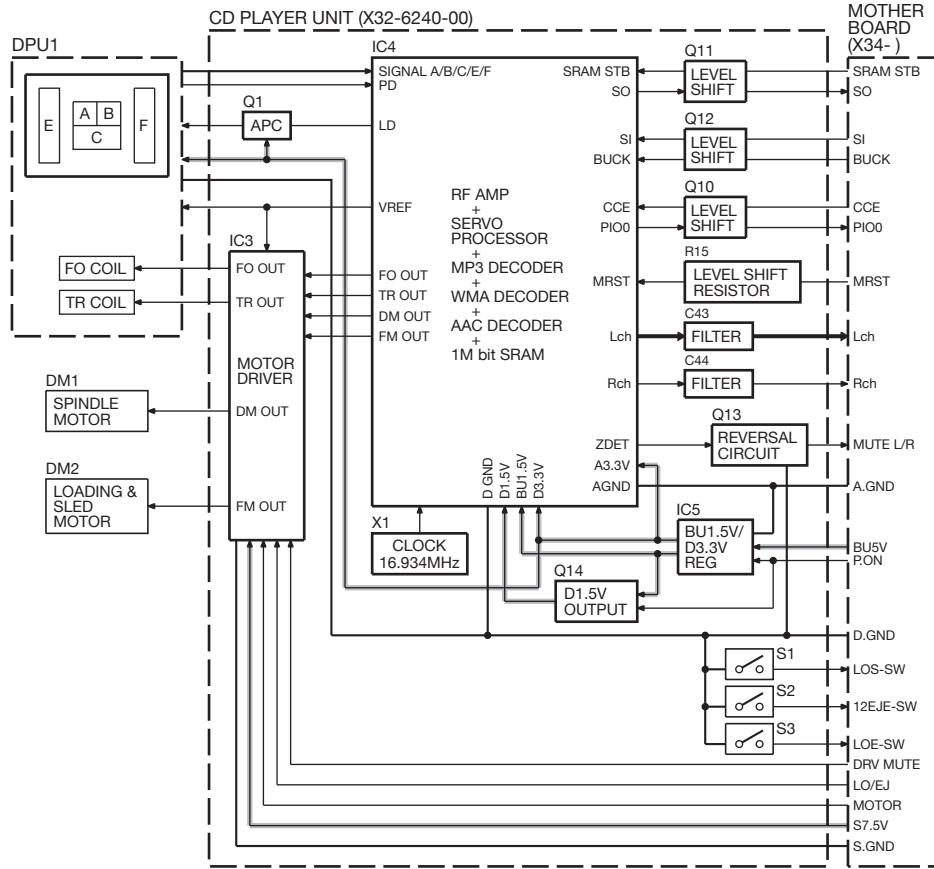


BLOCK DIAGRAM

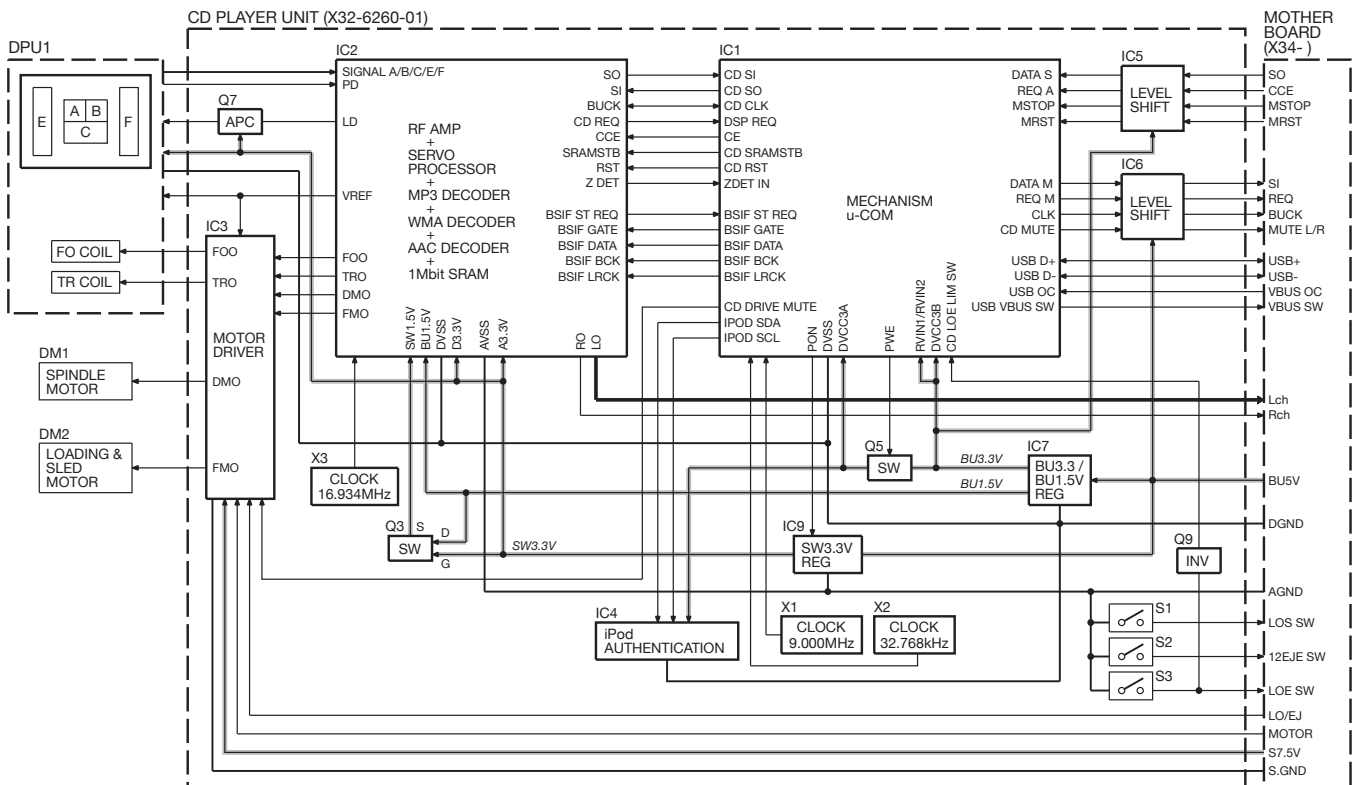


BLOCK DIAGRAM

DPX304, DPX-MP3120



DPX308U/DPX404U, DPX-U5120/U5120S



COMPONENTS DESCRIPTION

● SWITCH UNIT (X16-7120-2x)

| Ref. No. | Application / Function | Operation / Condition / Compatibility |
|----------|-------------------------|--|
| IC1 | LCD Driver | ED1 Drive. |
| IC2 | Remote Control Receiver | |
| Q1 | LED Driver | KEY Illumination Driver (Blue) |
| Q2 | LED Driver | KEY Illumination Driver (Green) |
| Q3 | LED Driver | KEY Illumination Driver (Red) |
| Q4 | LED Driver | KEY Illumination Driver (Blue) |
| Q5 | LED Driver | KEY Illumination Driver (Green) |
| Q6 | LED Driver | KEY Illumination Driver (Red) |
| Q7 | LED Driver | LCD Back light Illumination Driver (Blue) |
| Q8 | LED Driver | LCD Back light Illumination Driver (Red) |
| Q9 | LED Driver | LCD Back light Illumination Driver (Green) |
| Q10 | KEY Input timing switch | |

● ELECTRIC UNIT (X34-700x-xx)

| Ref. No. | Application / Function | Operation / Condition / Compatibility |
|-----------|-------------------------------------|--|
| IC70 | USB5V & REMO IC Power Supply | Switching Regulator. |
| IC140 | Power Control Switch | USB5V power control switch with over current detection and protection. |
| IC200 | Power IC | Amplifies front L/R and rear L/R to 45W maximum. |
| IC300 | System μ -com Reset Control | Output "L" (System μ -com Reset), when detection voltage goes below 3.6V or less. |
| IC301 | System μ -com | System control. Power management. Panel, AM/FM, External etc. |
| IC302 | MUTE Logic | Controls logic for muting. |
| IC420 | Source Selector & Electrical Volume | Select source & Full source volume. Speaker out "DC-Offset" detection and protection. (This function consists of IC200 and IC420.) |
| IC501 | Advanced tuner on main-board IC | The TEF6614TV1S4-X/TEF6614TV1S3-X is an AM/FM radio including Phase-Locked Loop (PLL) tuning system. It includes a newly developed demodulator for data reception of RDS and RBDS transmissions. |
| Q21~26 | Audio 8V AVR | System power on time output 8V. |
| Q30,31 | Switch 5V | Active time is Power ON. |
| Q32,33 | Backup5V AVR | Always output 5V. |
| Q40,41 | Servo AVR | CD Servo |
| Q42,44~47 | Over current detection | Over current detection |
| Q50~53 | ILL+B AVR | Active time is Power ON. |
| Q80 | Backup detect switch | Check of Backup voltage. It is on if good. |
| Q81 | ACC detect switch | Check of ACC voltage. It is on if good. |
| Q82 | Surge detect switch | Check of over input voltage. Detects it in on. |
| Q100~103 | Power control switch | Active time is Power ON. |
| Q104,105 | Power antenna switch | Active time is AM/FM source. |
| Q120 | Small lamp detect switch | Check of small lamp. Detects it in on. |
| Q400 | Preout mute switch | SW/REAR Lch |
| Q401 | Preout mute switch | SW/REAR Rch |
| Q402 | Preout mute switch | FRONT Lch |
| Q403 | Preout mute switch | FRONT Rch |
| Q404 | Preout mute Driver | When this Tr does on, it is mute. |
| Q700,701 | Panel 5V AVR | Active time is Power ON. |

COMPONENTS DESCRIPTION

● CD PLAYER UNIT (X32-6240-00): DPX304, DPX-MP3120

| Ref. No. | Application / Function | Operation / Condition / Compatibility |
|----------|-----------------------------------|---|
| IC3 | 4ch BTL Driver | Driver for focusing & tracking coil, driver for sled & spindle motor, and operation for disc loading & ejection. |
| IC4 | Servo DSP with built-in Audio DAC | With built-in MP3/WMA/ACC decoder and 1M-bit-SRAM. |
| IC5 | BU1.5V/D3.3V REG. | Power supply for BU1.5V. Power supply for digital/analogue/audio 3.3V. |
| Q1 | APC (Auto Power Control) | Drives LD (Laser Diode). |
| Q10~12 | 5V-3.3V Level Shift | Converts signal from 5V to 3.3V, or from 3.3V to 5V. |
| Q13 | Inverter | Inverts ZDET (Zero data DETection) signal. |
| Q14 | D1.5V Output | Switches ON/OFF at one end of BU1.5V line which is separated into 2 directions. Uses output voltage as D1.5V. |
| D1 | Level Down | Lowers signal level by about 1.2V so that Lo level signal that turns the regulator ON/OFF surely becomes Lo judgment level of the regulator SW. |
| D2 | Laser Diode Protection | Prevents reverse bias which is applied to laser. Laser destruction prevention. |
| D3,4 | Static Electricity Countermeasure | Prevents malfunction by static electricity. |

● CD PLAYER UNIT (X32-6260-01): DPX308U/DPX404U, DPX-U5120/U5120S

| Ref. No. | Application / Function | Operation / Condition / Compatibility |
|----------|---|---|
| IC1 | Mechanism μ -com | Controls DSP and peripheral circuit. USB host controller. (Compliant with Universal Serial Bus Specification Rev2.0) |
| IC2 | Servo DSP with Built-in Audio DAC | Built-in MP3-WMA-AAC decoder. Built-in 1M-bit-SRAM. |
| IC3 | 4ch BTL Driver | Driver for focusing & tracking coil, driver for sled & spindle motor, and operation for disc loading & ejection. |
| IC4 | iPod Authentication | Connection authentication for iPod. MFI341S2162: iPhone-compliant. |
| IC5 | 3.3V→5.0V Level Shift | Converts communication signal from 3.3V to 5.0V. |
| IC6 | 5.0V→3.3V Level Shift | Converts communication signal from 5.0V to 3.3V. |
| IC7 | BU1.5V/ BU3.3V Regulator | Power supply for digital back-up. Power supply for mechanism μ -com. |
| IC9 | A3.3V Regulator | Power supply for digital, analog and audio line. |
| Q3 | D1.5V Output | The output voltage in which the power supply that diverges from the BU1.5V line is turned on and off is used as D1.5V. |
| Q5 | B.3.3V Output | The output voltage in which the power supply that diverges from the BU3.3V line is turned on and off is used as D3.3V. |
| Q6 | Control signal Inverter | Controls Q5. |
| Q7 | APC (Auto Power Control) | Laser diode driver. |
| Q9 | Control signal Inverter | Because the detection logic of LOE/LIM_SW is different in the mechanism μ -com and the system μ -com, the logic to the mechanism μ -com side is reversed. |
| D1 | Laser Diode Protection | Prevents reverse bias which is applied to laser. Laser destruction prevention. |
| D2,3 | Countermeasure against Static Electricity | The potential difference between DGND and AGND is absorbed, and the malfunction by static electricity is prevented. |

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM μ -COM R5F3650KDFB (X34-700: IC301)

| Pin No. | Pin Name | I/O | Application | Truth Value Table | Processing Operation Description |
|---------|---------------|-----|--|-------------------|---|
| 1 | REMO | I | Remote controller input (INFRARED, WIRED) | | Pulse width detection |
| 2-5 | NC | O | Not used | | Output L fixed |
| 6 | BYTE | - | | | |
| 7 | CNVSS | - | Software writing-in mode control | ③ | |
| 8 | XCIN | - | Sub-clock OSC_in | | 32.768kHz |
| 9 | XCOU | - | Sub-clock OSC_out | | 32.768kHz |
| 10 | RESET | - | | | |
| 11 | XOUT | - | Main-clock OSC_out | | 12MHz |
| 12 | VSS | - | | | |
| 13 | XIN | - | Main-clock OSC_in | | 12MHz |
| 14 | VCC1 | - | | | |
| 15 | NC (NMI) | O | Output L fixed | | |
| 16 | ROTARY_CCW | I | VOL encoder input | | Pulse width detection |
| 17 | ROTARY_CW | I | VOL encoder input | | Pulse width detection |
| 18 | NC | O | Not used | | Output L fixed |
| 19 | LCD_RESET | O | LCD_RESET | | H: Normal, L: RST |
| 20 | LED_LCD_BLUE | O | Vari_Blue_LCD_PWM output | | H: ON, L: OFF, PWM frequency: 23kHz |
| 21 | NC | O | Not used | | Output L fixed |
| 22 | LED_LCD_GREEN | O | Vari_Green_LCD_PWM output | | H: ON, L: OFF, PWM frequency: 23kHz |
| 23 | NC | O | Not used | | Output L fixed |
| 24 | LED_LCD_RED | O | Vari_Red_LCD_PWM output | | H: ON, L: OFF, PWM frequency: 23kHz |
| 25 | LCD_CE | I/O | LCD control request | | H: Data transmission enabled |
| 26 | PWIC_BEEP | O | BEEP output terminal | | 2kHz/1kHz |
| 27 | TUN_SCL | I/O | TUNER_I2C clock I/O terminal | | 200kHz (Limitation of ATOMIC) |
| 27 | FLASH_SCL | I/O | For Serial No/ ROM correction I2C clock | | |
| 28 | TUN_SDA | I/O | TUNER_I2C data I/O terminal | | 200kHz (Limitation of ATOMIC) |
| 28 | FLASH_SDA | I/O | For Serial No/ ROM correction I2C data | | |
| 29 | NC | O | Not used | | Output L fixed |
| 29 | TXD1 | O | Data for system μ -com → writer | | |
| 30 | NC | O | Not used | | Output L fixed |
| 30 | RXD1 | I | Data for writer → system μ -com | | |
| 31 | NC | O | Not used | | Output L fixed |
| 31 | CLK1 | I | Clock for writer → system μ -com | | |
| 32 | NC | O | Not used | | Output L fixed |
| 32 | BUSY | O | BUSY for system μ -com → writer | | |
| 33 | LCD_SYS_DATA | O | Data for system μ -com → LCD | | LCD data output |
| 34 | LCD_PAN_DATA | I | Data for LCD → system μ -com | | LCD data input |
| 35 | LCD_CLK | O | LCD_CLK output | | LCD clock output (125kHz) (Maximum: 1.5625MHz) |
| 36 | CD_DISC12_SW | I | CD disc detection terminal (12cm) | | L: 12cm disc |
| 36 | CD_DISK12_SW | I | CD disc detection terminal (12cm) | | |
| 37 | CD_LOE_LIM_SW | I | CD detection terminal (Chucking detection) | | H: Loading completed, L: No disc |
| 37 | CD_LOELIM_SW | I | CD detection terminal (Chucking SW) | | H: Loading completed, L: No disc |
| 38 | M_STOP | O | Mechanism stop terminal | | H: Normal, L: Stop SOC |

MICROCOMPUTER'S TERMINAL DESCRIPTION

| Pin No. | Pin Name | I/O | Application | Truth Value Table | Processing Operation Description |
|---------|---------------|-----|--|-------------------|--|
| 38 | NC (9B1) | O | Not used (9B1) | | Output L fixed |
| 39 | ROMCOR_DET | I | ROM correction writing-in request | | H: Can overwrite ROM correction (Switch SDA6 and SCL6 to slave operation) |
| 39 | EPM | I | EPM input terminal when writing-in | ③ | L: Overwriting mode (In overwriting mode, the setting of the other terminals are also necessary) |
| 40 | CD_MUTE | I | Mechanism mute request | | L: MUTE request, H: In normal operation |
| 40 | CD_MUTE | I | CD_MUTE request terminal | | L: MUTE request, H: In normal operation |
| 41 | CD_CD_REQ | I | Communication request of mechanism → system μ -com | | |
| 41 | CD_PIO0 | I | Communication request terminal from mechanism DSP | | H: Data request |
| 42 | M_RST | O | Mechanism reset terminal | | H: Normal, L: Reset |
| 42 | M_RST | O | CD mechanism RST terminal | | H: Normal, L: Reset |
| 43 | NC (9B3) | O | Not used (9B3) | | Output L fixed |
| 43 | CD_SRAMSTB | O | 1MbitSRAM standby terminal | | L: SRAM standby |
| 44 | CD_LOS_SW | I | CD loading detection terminal | | L: Eject completed |
| 44 | CD_LOS_SW | I | CD loading detection terminal | | |
| 44 | FLASH_CE | I | CE when overwriting software | ③ | |
| 45 | CD_SYS_DATA | O | Data for system μ -com → Bolero | | |
| 45 | CD_SI | O | CD mechanism serial input | | |
| 46 | CD_CD_DATA | I | Data for Bolero → system μ -com | | |
| 46 | CD_SO | I | CD mechanism serial output | | |
| 47 | CD_CD_CLK | I | CLK from Bolero | | |
| 47 | CD_CLK | O | Serial clock output | | |
| 48 | CD_SYS_REQ | O | Communication request for system μ -com → mechanism | | |
| 48 | CD_CCE | O | CD mechanism chip enable terminal | | |
| 49 | NC (9B3) | O | Not used (9B3) | | Output L fixed |
| 49 | PON_CD | O | CD mechanism power control terminal | | H: Power ON |
| 50 | NC (9B3) | O | Not used (9B3) | | Output L fixed |
| 50 | CD_DRIVEMUTE | O | Motor driver mute output | ② | L: MUTE |
| 51 | CD_LOEJ | I/O | CD motor control terminal | ② | |
| 51 | CD_LOEJ | I/O | CD motor control terminal | ② | |
| 52 | CD_MOTOR | O | CD motor control terminal | ② | H: LO/EJ mode |
| 52 | CD_MOTOR | I/O | CD motor control terminal | ② | H: LO/EJ mode |
| 53 | LED_KEY_GREEN | O | Vari_Green_KEY_PWM output | | H: ON, L: OFF, PWM frequency: 100Hz |
| 54 | LED_KEY_RED | O | Vari_Red_KEY_PWM output | | H: ON, L: OFF, PWM frequency: 100Hz |
| 55 | LED_KEY_BLUE | O | Vari_Blue_KEY_PWM output | | H: ON, L: OFF, PWM frequency: 100Hz |
| 56~59 | NC | O | Not used | | Output L fixed |
| 60 | VCC2 | - | | | |
| 61 | NC | O | Not used | | Output L fixed |
| 62 | VSS | - | | | |
| 63 | PON_PANEL | I/O | Panel 5V control terminal | | H: ON, Hi-Z: In 11 minutes after ACC_OFF |
| 64 | PON_ILL | I/O | Panel LED power supply control | | H: ON, Hi-Z: OFF |
| 65 | PON | I/O | Power supply control terminal | | H: ON, Hi-Z: OFF |

MICROCOMPUTER'S TERMINAL DESCRIPTION

| Pin No. | Pin Name | I/O | Application | Truth Value Table | Processing Operation Description |
|---------|-----------------------------|-----|--|-------------------|--|
| 66 | BU_DET | I | BU detection | | L: With BU, H: When without BU/ reduced voltage/ over voltage |
| 67 | ACC_DET | I | ACC detection | | With ACC: L, Without ACC: H |
| 68 | LINE_MUTE | I | Line mute detection | | 1V or less: TEL_MUTE (MUTE), 2.5V or more: NAVI_MUTE (ATT), J-TYPE is 1V or less, NAVI_MUTE is activated in 2.5V or more |
| 69 | P_CON | I/O | PCON control terminal | | H: POWER_ON, Hi-Z: Power_Off, STBY source |
| 70 | ANT_CON | I/O | ANTCON control terminal (Other than E-TYPE) | | H: Tuner source, Hi-Z: Other than Tuner |
| 70 | NC | O | Not used (E-TYPE) | | Output L fixed |
| 71 | ILLUMI_DET | I | Dimmer illumi detection | | L: ON, H: OFF |
| 72 | DC_DET_2 | I | PWIC short to VCC/ GND detection terminal | | |
| 73 | PWIC_MUTE | O | PWIC mute terminal | | L: In STANDBY source, During momentary power down, or in TEL_MUTE |
| 74 | PWIC_STBY | O | PWIC standby control | | H: Power_On, L: Power_Off |
| 75 | AUD_SDA | I/O | E-VOL data input terminal | | |
| 76 | AUD_SCL | I/O | E-VOL clock output terminal | | |
| 77 | MUTE | O | MUTE terminal | | L: MUTE_ON, H: MUTE_OFF |
| 78 | NC | O | Not used | | Output L fixed |
| 79 | DC_DET_1 | I | DC offset detection terminal | | Threshold value: Determined as DC offset detection when less than 1.0V is observed 20 times for every 100mS |
| 80-88 | NC | O | Not used | | Output L fixed |
| 89 | TYPE_DOP_1 | I | DOP destination switch 1 | ① | |
| 90 | NC | O | Not used | | |
| 91 | NC | O | Not used | | Output L fixed |
| 92 | TYPE | I | Destination switch | ① | |
| 93 | NC | O | Not used | | Output L fixed |
| 94 | AVSS | - | | | |
| 95 | NC | O | Not used | | Output L fixed |
| 96 | VREF | - | | | |
| 97 | AVCC | - | | | |
| 98,99 | NC | O | Not used | | Output L fixed |
| 100 | NC (Kenwood brand model) | O | Not used (Kenwood brand model) | | Output L fixed |
| 100 | STE_REMO | I | Steering remote controller input (DOP) | I | AD |

MICROCOMPUTER'S TERMINAL DESCRIPTION

Truth Value Table

① Destination setting

Mid

| TYPE1 (92) | Destination | Test mode display |
|------------|-------------------------|-------------------|
| 1 | DPX-U5120 DPX-U5120S | 1023WM |
| 2 | DPX-U500 | 1023WJ |
| 3 | (Reserve) | |
| 4 | DPX308U | 1023WK |
| 5 | DPX404U | 1023WE |

Low

| TYPE1 (92) | Destination | Test mode display |
|------------|-------------|-------------------|
| 1 | DPX-MP3120 | 1024WM |
| 2 | | |
| 3 | (Reserve) | |
| 4 | | |
| 5 | DPX304 | 1024WE |

Common to Mid/ Low

| TYPE_DOP_1 (89) | Destination | Test mode display |
|-----------------|------------------------|-------------------|
| 1 | Kenwood brand model | |
| 2 | Mitsubishi | |
| 3 | Mazda | |
| 4 | Honda | |
| 5 | | |

② CD_MOTOR, CD_LOEJ

| | CD_MOTOR | CD_LOEJ |
|---------|----------|---------|
| Standby | L | L |
| Eject | H | H |
| Load | H | L |
| Brake | H | Hi-z |

③ Conditions to overwrite built-in FLASH memory

| Signal | Input level |
|-----------|-------------|
| CNVSS | H |
| EPM | L |
| RESET | L → H |
| CE | H |
| P6_5/CLK1 | L |

TEST MODE

1. Overview

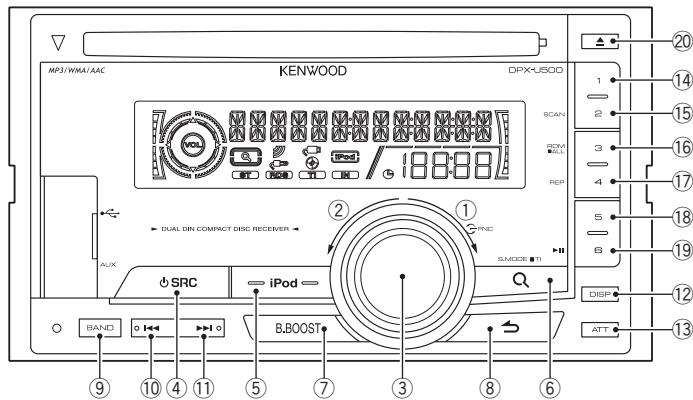
● Target models

| | MODEL NAME | DEVELOPMENT CODE | TYPE |
|-----|----------------------|------------------|------|
| Mid | DPX-308U | C-1023WK | K |
| | DPX-U5120/DPX-U5120S | C-1023WM | M |
| | DPX-U500 | C-1023WJ | J |
| | DPX-404U | C-1023WE | E |
| Low | DPX-MP3120 | C-1024WM | M |
| | DPX-U304 | C-1024WE | E |

● Exterior specification

Exteriors and key assign and names in all the target models, are as shown below.

◇ Exterior



◇ Key assign and names

| No. | Key Assign | No. | Key Assign | No. | Key Assign | No. | Key Assign |
|-----|-----------------|-----|------------|-----|------------|-----|------------|
| 1 | ROTARY UP | 6 | SEARCH | 11 | SEEK UP | 16 | PRESET-3 |
| 2 | ROTARY DOWN | 7 | B.BOOST | 12 | DISP | 17 | PRESET-4 |
| 3 | ENTER | 8 | RETURN | 13 | ATT | 18 | PRESET-5 |
| 4 | SRC | 9 | BAND | 14 | PRESET-1 | 19 | PRESET-6 |
| 5 | iPod/Play Pause | 10 | SEEK DOWN | 15 | PRESET-2 | 20 | EJECT |

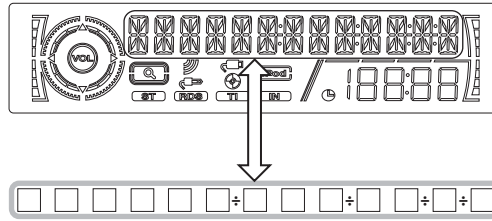
● How to enter the test mode

| Processing details | Key operation |
|---|--|
| Test mode function | [B.BOOST] + [SEARCH] + Reset |
| Forced Power ON mode function | [ENTER] + [PRESET-4] + Reset |
| DC error detection information display function | [PRESET-3] + [PRESET-6] + Reset |
| Frequency span switching function | [PRESET-1] + [PRESET-5] + [SRC] (Power ON) |
| Security code forced deletion function | Press and hold [BAND] + [SEEK UP] |
| Forced frequency display switching function | Press and hold [PRESET-1] + [PRESET-6] |
| ROM correction writing-in function | [PRESET-6] + [SEARCH] + Reset |
| DOP setting function | [ATT] + [PRESET-6] + Reset |

TEST MODE

● Description explanation

Display specification of this document is described by the following forms.



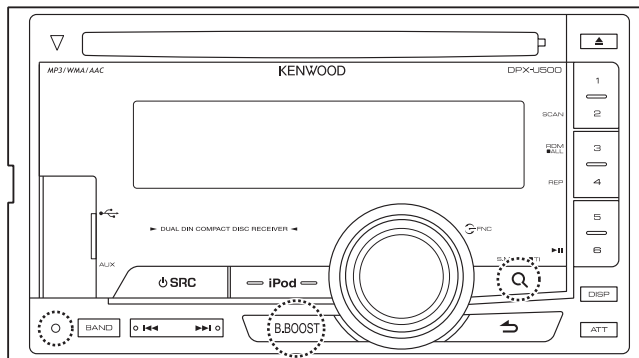
| Key | Description of display | Description |
|-----|---|--|
| 5 | <input type="checkbox"/> E <input type="checkbox"/> J <input type="checkbox"/> C <input type="checkbox"/> N <input type="checkbox"/> T : <input type="checkbox"/> <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X | Disc Eject count display (Max. 65535 times). |
| ■5 | <input type="checkbox"/> E <input type="checkbox"/> J <input type="checkbox"/> C <input type="checkbox"/> N <input type="checkbox"/> T : <input type="checkbox"/> <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 <input type="checkbox"/> 0 | While Disc Eject count is displayed, press and hold for 2 seconds or longer to clear Disc Eject count. |

*A symbol “■” in the key column indicates that the key should be pressed and held.

2. Test mode function

● How to transfer to the mode

Perform the reset operation while pressing and holding [B.BOOST] + [SEARCH] to transfer to the test mode.



● How to clear the mode

Clear the test mode with the conditions below.

- Reset
- Momentary power down detection
- ACC OFF operation
- POWER OFF operation

● Limitation/ special remarks in the mode

- When detecting the disconnection of the oscillator for sub-clock, all lights ON display flashes.
- When the unit starts with the test mode, change the LINE MUTE inhibit time from 10 seconds to 1 second.
- In the test mode, do not write serial with the serial write jig.
- In the test mode, the DC error detection information is not written in Data Flash even if the DC error detection is performed.
- DEMO mode shall not operate in the test mode. Also, when the source is STANDBY, do not display DEMO ON/OFF switching items in the FUNCTION.
- DISC forced load operation prohibited in the test mode.

TEST MODE

- In the test mode, even if the prescribed period of time elapses, the backup memory items are not written in save area (Data Flash/ E2PROM).
- In the test mode, the opening display shall be omitted for the easy recognition of the mode transfer.
- In the test mode, the animation after the source switching shall be omitted to reduce waiting time.
 - * The MID/ LOW model shall operate in the same manner as the normal operation because there is no animation display after the source switching.
- In the test mode, DOP setting is unavailable (Except only for DOP TYPE display).
- In the set for E destination, even if security is allowed, Power ON can be maintained only for 30 minutes.

● Initial setting

◇ Differences from normal operation

- All LCDs are ON.
- VOLUME setting value shall be 30.
- KEY ON BEEP setting shall be ON regardless of destination of the set.
- Base Boost setting shall be OFF.
- Illumi settings shall be R255, G255, B255 (white).

◇ Special notes to be added though the same as normal

- CRSC setting shall be ON. *ON/OFF is not included in this model.
- Initial settings of 1PRE/ 2PRE model shall be REAR.

● Special function with STANDBY source while all the lights are turned on

Special screen displays and key operations in the test mode are described below.

(A symbol “■” in the key column indicates that the key should be press and hold.)

| Key | Description of display | Description |
|---------------------|--|---|
| | All lights ON □ □ □ □ □ □ ÷ □ □ □ ÷ □ □ ÷ □ ÷ □ □ | All lights ON |
| iPod/ Play Pause | iPod authentication IC installation condition display i P o d □ □ □ □ □ □ □ □ □ □ : # # | iPod authentication IC installation condition display Pressed when the left is displayed, it will return to the all lights ON display. The display of ## in the left is as follows. Blank: Searching and deciding the present status. OK: Authentication IC has been installed NG: This is the iPod compatible model, but the authentication IC is not yet installed * *: This is not the iPod compatible model |
| SEARCH | DISP & ILLUMI color switching | Switches DISP & ILLUMI color (forward rotation). White (R255/G255/B255) → Red (R255/G0/B0) → Green (R0/G255/B0) → Blue (R0/G0/B255) → White... |
| ■ B.BOOST | Preout setting switching S W P R E □ □ □ # # # # # | While pressing and holding this key for 1 second, toggle the preout setting. (1Preout/ 2Preout model only) The display of ## in the left is as follows. REAR: REAR setting SUB-W: SUB WOOFER setting |
| RETURN (Toggle) | All lights ON/ All lights OFF □ □ □ □ □ □ ÷ □ □ □ ÷ □ □ ÷ □ ÷ □ □ □ □ □ □ □ □ ÷ □ □ □ ÷ □ □ ÷ □ ÷ □ □ | Toggles between all lights ON and all lights OFF. However, when [RETURN] is pressed briefly, all lights ON shall be applied. |
| BAND | Serial No. display □ S N □ □ # # # # # # # # | Serial No. display (8 digits) The display of ## in the left is as follows. In writing-in: Serial No. (8 digits) Not in written-in: Displays “EEEEEEEE”. |

TEST MODE

| Key | Description of display | | Description |
|-------------------------|---|---|---|
| ⏪ | Forced Power OFF information display | P O F F # # # | Forced Power OFF information display The display of ## in the left is as follows. No forced POWER OFF: --- Communication error between system μ -com and panel: PNL |
| ■ ⏪ | Forced Power OFF information initialization | | In the forced Power OFF information display, press and hold this key for 2 seconds to clear Power OFF information. |
| ⏩ | Audio data initialization | A U D I O I N I T | AUDIO setting values are reset to the default values in the test mode. |
| DISP | CD information display mode ON | | Transfer to the CD information display mode (sub-mode). *For the details of display and operation procedure, refer to the "CD information display mode". |
| ■ ENTER | All of the CD information initialization | | Press and hold this key for 2 seconds in respective service information displays to clear all of the CD information. |
| 1 (forward rotation) | System μ -com version display | S Y S 0 1 - 3 . 0 0 | System μ -com version display MID: SYS03-x.xx LOW: SYS04-x.xx |
| | DOP information display | D O P : 0 0 0 1 | DOP information display *Displays DOP type in 4 digits. *Displays "----" for Kenwood brand model. (Pressing [PRESET-1] key briefly again, MID model transfers to the mechanism model name and mechanism version display, and LOW model transfers to the all lights ON display) |
| | Mechanism model name Mechanism version display | 9 B 2 0 : : : : : : : : : : : | Mechanism model name and mechanism version display *Displayed only in MID model. (Pressing [PRESET-1] key briefly again, it transfers to the all lights ON display) |
| ■ 1 | Version display mode ON | | Press and hold this key for 1 second to display the version. *For the details of display and operation procedure, refer to the "Version information display mode". |
| 2 | ROM correction version display | System μ -com Mechanism μ -com S R 0 0 0 1 M R 0 0 0 1 | The number indicates ROM correction number. * In LOW model, there is no mechanism μ -com ROM correction version display |
| | | System μ -com Mechanism μ -com S R - - - - M R - - - - | When not written-in |
| | | System μ -com Mechanism μ -com S R * * * * M R * * * * | When the data is incompatible *Different version |
| 3 | Power ON time display | P O N T M : 0 H X X | Displays 00~50 in "XX". Displays it for less than 1 hour in the unit of 10 minutes. |
| | | P O N T M : X X X X X | Displays 00001~10922 in "XXXXX". MAX 10922 (hour) |
| ■ 3 | Power ON time information initialization | P O N T M : 0 H 0 0 | Press and hold this key for 2 seconds in the Power ON time display, to clear Power ON time |

TEST MODE

| Key | Description of display | Description |
|-----|---|--|
| 4 | Disc operation time display □ C D T M □ : □ □ 0 H X X □ | Displays 00~50 in "XX". Displays it for less than 1 hour in the unit of 10 minutes. |
| | □ C D T M □ : □ □ X X X X X X | Displays 00001~10922 in "XXXXX". MAX 10922 (hour) |
| ■ 4 | Disc operation time information initialization □ C D T M □ : □ □ 0 H 0 0 □ | Press and hold this key for 2 seconds in the Disc operation time display, to clear the Disc operation time (Cleared only for the media in display) |
| 5 | Disc EJECT count display □ E J C N T : □ □ X X X X X X | Disc EJECT count display. MAX 65535 (times) |
| ■ 5 | Disc EJECT count information initialization □ E J C N T : □ □ 0 0 0 0 0 0 | Press and hold this key for 2 seconds in the Disc Eject count display, to clear Disc Eject count |
| 6 | Data flash writing-in count display □ D F C N T : □ □ X X X X X X | Data flash writing-in count display MAX 10000 (times) |

◇ CD information display mode (sub-mode)

| Key | Description of display | Description | |
|----------------------------|---|--|---|
| DISP (forward rotation) | CD mechanism error log display M E C H A □ E R 1 □ □ : X X | Mecha error history 1 (latest) XX: numbers of errors, "--" when there is none | |
| | | M E C H A □ E R 2 □ □ : X X | Mecha error history 2 (latest) XX: numbers of errors, "--" when there is none |
| | | M E C H A □ E R 3 □ □ : X X | Mecha error history 3 (latest) XX: numbers of errors, "--" when there is none |
| | CD load error information display L O A D □ □ E R 1 □ □ : X X | Load error switch 1 XX: numbers of errors, "--" when there is none | |
| | | L O A D □ □ E R 2 □ □ : X X | Load error switch 2 XX: numbers of errors, "--" when there is none |
| | CD Eject error information display E J E C T □ E R 1 □ □ : X X | Eject error switch 1 XX: numbers of errors, "--" when there is none | |
| | | E J E C T □ E R 2 □ □ : X X | Eject error switch 2 XX: numbers of errors, "--" when there is none |
| | | E J E C T □ E R 3 □ □ : X X | Eject error switch 3 XX: numbers of errors, "--" when there is none |
| | | E J E C T □ E R 4 □ □ : X X | Eject error switch 4 XX: numbers of errors, "--" when there is none |
| | CD time code error count information display (count skip) C N T □ L O S E □ □ □ □ □ | CD time code error count information (count skip) mode display | |
| | | C D D A □ □ □ □ □ □ : X X | CD-DA error count numbers XX: numbers of errors and "--" when there is none |
| | | C D R O M □ □ □ □ □ □ : X X | CD-ROM (compressed file) error count numbers XX: numbers of errors and "--" when there is none |
| | CD time code error count information display (no count update) C N T □ S T A Y □ □ □ □ □ | CD time code error count information (count not updated) mode display | |
| | | C D D A □ □ □ □ □ □ : X X | CD-DA error count numbers XX: numbers of errors and "--" when there is none |
| | | C D R O M □ □ □ □ □ □ : X X | CD-ROM (compressed file) error count numbers XX: numbers of errors and "--" when there is none |

TEST MODE

| Key | Description of display | | Description |
|-------------|---|---------------------------------|--|
| ROTARY UP | CD information display switching (forward rotation) | | In CD information display mode, perform the display switch of displayed information (forward rotation). (Ex.) CD eject error information display Eject error 1 → Eject error 2 → Eject error 3 → Eject error 4 → (to Eject error 1). |
| ROTARY DOWN | CD information display switching (reverse rotation) | | In CD information display mode, perform the display switch of displayed information (reverse rotation). (Ex.) CD eject error information display Eject error 1 → Eject error 4 → Eject error 3 → Eject error 2 → (to Eject error 1). |
| RETURN | All lights ON | □ □ □ □ □ ÷ □ □ □ ÷ □ □ ÷ □ ÷ □ | Transfer to the all lights ON display mode. |

◇ Version information display mode (sub-mode)

| Key | Description of display | | Description |
|-------------------------|-------------------------------------|-----------------------------------|---|
| BAND (forward rotation) | Destination terminal status display | T Y P E □ □ □ □ □ □ □ □ □ □ □ : # | TYPE shows the destination of μ-com and displays the status of destination terminal in real time. |
| | Development code status display | X X X X W Y □ □ □ □ - Z . Z Z | XXXX: Development name *Mid: 1023, Low: 1024 Y: Destination *Mid: M/J/E/K, Low: M/E Z.ZZ: Version (μ-com) |
| ■ 1 | All lights ON | □ □ □ □ □ □ ÷ □ □ □ ÷ □ □ ÷ □ ÷ □ | Press and hold this key for 1 second to reset the mode and transfer to the all lights ON display mode. |
| RETURN | All lights ON | □ □ □ □ □ □ ÷ □ □ □ ÷ □ □ ÷ □ ÷ □ | Press this key briefly to reset the mode and transfer to the all lights ON display mode. |

* Basically, the operation in all lights ON display mode shall be effective, and then this mode is reset automatically.

● TUNER source test mode

◇ TUNER special display mode

| Key | Description of display | | Description |
|---|------------------------|-----------------------------|---|
| F/E error display | | T U N □ C O N □ N G □ □ □ | [TUNER IC communication error] This display indicates the status in which the communication with TUNER IC is not possible. |
| | | * E R R * □ □ A □ 9 8 . 3 A | [Adjustment not yet made] When the TUNER adjustment has never been made (Adjustment value: 0x00 or 0xFF) “*ERR*” display shall be the blinking display. And it continues in normal mode. |
| Normal display (RDS automatic measurement function) | | R D S □ T E S T □ □ □ □ □ | [Display in RDS automatic measurement] To reduce the process of the visual inspection of the PS display that has been executed up to now in the production line, a function concerned is installed as an alternate. Turn off the P-CON terminal forcibly after receiving PS data to display “RDS_TEST” in the PS. (“_” indicates blank.) * While a function concerned is dedicated to the test mode process, P-CON shall be resumed by Power OFF → ON. |

TEST MODE

| Key | Description of display | | Description |
|--------|------------------------|--|--|
| ■ DISP | Mode transfer | | Press and hold for 1 second to enter the TUNER setting adjustment mode (AUTO). When the source is FM, frequency is switched to 98.3MHz (M/E/K), 83.0kHz (J) at the start of the adjustment mode. |
| BAND | Band switching | | Every time when the [BAND] key is pressed, the BAND is switched as shown below. M/K: FM1 ↔ AM, E: FM1 ↔ MW/LW, J: FM1 ↔ AM1 *When switching the band in FM → AM, switched to the center frequency. *M/J/E type → 999kHz, K type → 1000kHz |
| RETURN | Mode transfer | | Only in FM band, transfers to the S-meter voltage pass and fail evaluation mode. |

◇ TUNER setting adjustment mode

Adjust TUNER setting. Only during the TUNER setting adjustment mode, Volume operation by turning the Rotary is prohibited. After the TUNER setting adjustment, the entire test modes can be cleared with the reset button.

If you do not save the adjustment value after the adjustment, the value is not saved in the Data Flash.

When the level offset value is read out and found to be 0x00 or 0xFF, it is decided that the adjustment is not yet made.

The adjustment starts with the default value (0x3E) when the adjustment is started from the status in which it is not yet made.

① TUNER setting adjustment mode (AUTO)

| Key | Description of display | | Description |
|--------|---|--|--|
| | Normal display | A □ S - x x □ L - x x □ □ | [Level Offset adjustment (Auto)] S-xx: Current S-meter value (Hex) L-xx: Level offset value (Hex) *When the level offset value is not adjusted (0xFF or 0x00), "--" is displayed. |
| ENTER | In automatic adjustment | A □ S - x x □ L - x x □ □ | Press this key briefly to start the automatic adjustment. |
| | Automatic adjustment complete Save the adjustment value | A D J □ O K □ □ □ □ □ □ : X X <small>Level offset value</small> | When written to data flash after automatic adjustment is completed, level offset value (Hex) of the adjustment result is displayed. |
| | Automatic adjustment failure Failure value (0xFF) Memory | A D J □ N G □ □ □ □ □ □ □ □ | Display shown when the automatic adjustment failed. (Write 0xFF to data flash. After re-entering adjustment mode by this, start with "--".) |
| DISP | Adjustment mode switching | | Press the key briefly to enter the TUNER setting adjustment mode (MANUAL). |
| ATT | Adjustment mode switching | | Press the key briefly to enter the TUNER setting adjustment mode (MANUAL). |
| RETURN | Mode clear | | Clear the adjustment mode to transfer to the TUNER special display mode. |

TEST MODE

② TUNER setting adjustment mode (MANUAL)

| Key | Description of display | Description |
|--------------|--|--|
| | Normal display [M] [] [S] [-] [x] [x] [] [L] [-] [x] [x] [] [] | [Level Offset adjustment (Manual)] S-xx: Current S-meter value (Hex) L-xx: Level offset value (Hex) *When the level offset value is not adjusted (0xFF or 0x00), "--" is displayed. |
| ⏪/⏩ ■ ⏪/⏩ | Level Offset adjustment (Manual) [M] [] [S] [-] [x] [x] [] [L] [-] [x] [x] [] [] | Press [⏪]/[⏩] key for 500ms or longer to continuously increase/ decrease the adjustment value. |
| ENTER | Completion of the adjustment value saving [A] [D] [J] [] [O] [K] [] [] [] [] [] [] [] [] [] [X] [X] Level offset value | Displayed when an adjustment value(s) was written to the data flash. The level offset value (Hex) is displayed. |
| | Failed to save the adjustment value [A] [D] [J] [] [N] [G] [] [] [] [] [] [] [] [] [] [] [] [] | Displayed when adjustment value(s) was not written to the data flash. |
| DISP | Adjustment mode switching | Press the key briefly to enter the TUNER setting adjustment mode (AUTO). |
| ATT | Adjustment mode switching | Press the key briefly to enter the TUNER setting adjustment mode (AUTO). |
| RETURN | Mode clear | Clear the adjustment mode to transfer to the TUNER special display mode. |

◇ S-meter voltage evaluation mode

This mode is to display the S-meter present voltage (Hex) and to check and evaluate if the voltage is within the criteria or not (OK or NG).

Check and evaluate the voltage only after the completion of the TUNER setting adjustment. (When the setting is not yet adjusted, "--" is displayed.)

When receiving AM, do not select this mode.

When this mode, the BAND switching and SEEK operations such as operation of [BAND], [⏪]/[⏩], and [PRESET] keys shall be prohibited.

| Key | Description of display | Description |
|--------|--|--|
| | S-meter voltage evaluation display [S] [-] [M] [T] [R] [] [] [] [] [] [] [] [X] [X] [] [O] [K] S-meter value Evaluation result | [S-meter value] XX: Current S-meter value (Hex) [S-meter value evaluation result] OK: S-meter voltage is within the range of the criteria (J type: 0xA5~0xAF) (Other than J type: 0xA3-0xAD) NG: S-meter voltage is outside the range of the criteria (Other than defined above) --: TUNER setting is not yet adjusted |
| RETURN | Mode clear | Clear the adjustment mode to transfer to the TUNER special display mode. |

TEST MODE

● Test mode specification with CD source

◇ Operation for CD-DA media (KTD-02A)

| Key | Description of display | | Description |
|-------------------------|---|---|---|
| | Normal display | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | P-TIME display (default) |
| ▶▶ | Truck-up operation | | <p>[▶▶] key operation enables the truck jumps in the following sequence. No.9 → No.15 → No.10 → No.11 → No.12 → No.13 → No.22 → No.14 → No.9 (Return back to top)</p> <p>* However in the case of CD-DA disc that has 8 or less tracks of recorded music, and MP3/ WMA/ AAC discs, they are played back in order starting with Track1.</p> <p>* When displaying CD mechanism name and the version information, returns to normal display.</p> |
| ◀◀ | Truck-down operation | | <p>Tracks down by 1 from the track currently being played back.</p> <p>* When displaying CD mechanism name and the version information, returns to normal display.</p> |
| 1 | Jump operation | | <p>Jump to No.28 (For MUSIC line vibration test, Scratch 0.7mm)</p> <p>* When displaying CD mechanism name and the version information, returns to normal display.</p> |
| 2 | Jump operation | | <p>Jump to the track No.14 (Blurring surface disc TCD-731RA Tr14)</p> <p>* When displaying CD mechanism name and the version information, returns to normal display.</p> |
| 3 (forward rotation) | Mechanism model name Mechanism version display | <input type="checkbox"/> 9 <input type="checkbox"/> B <input type="checkbox"/> # <input type="checkbox"/> 0 <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Mechanism model name (MID model: "9B30"/ LOW model: "9B10") and mechanism version display |
| | Mechanism servo version display | <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> R <input type="checkbox"/> V <input type="checkbox"/> O : <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Mechanism servo table version display (Displayed only in MID model) |
| | Mechanism boot program version display | <input type="checkbox"/> B <input type="checkbox"/> O <input type="checkbox"/> O <input type="checkbox"/> T <input type="checkbox"/> : <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Mechanism boot program version display (Displayed only in MID model) |
| 5 | Jump operation | | <p>* Toggling action with the track jump of No.9 ↔ No.22</p> <p>* When displaying CD mechanism name and the version information, returns to normal display.</p> |
| 6 | Jump operation | | <p>Jump to the track No.15. Set volume to 26 (20Hz 0dB DC protection malfunction FCT check)</p> <p>* Set VOL setting value based on 13.2V supplied by Regulated Power Supply.</p> <p>* When displaying CD mechanism name and the version information, returns to normal display.</p> |
| RETURN | Mode clear | | In the display of mechanism system information, return to normal display. |

TEST MODE

◆ Procedure in compressed media

| Key | Description of display | Description |
|-----|--|---|
| | File type display (MP3) M P 3 □ □ □ □ □ □ □ □ □ □ □ □ □ □ | The file format is displayed just before the file playback. |
| | File type display (WMA) W M A □ □ □ □ □ □ □ □ □ □ □ □ □ □ | |
| | File type display (AAC) A A C □ □ □ □ □ □ □ □ □ □ □ □ □ □ | |

● Audio adjustment

The operation specification and adjustment items in the test mode are the same as those in the product specification.

* However, the layer position and setting value in respective adjustment items shall be changed as follows.

Press [◀]/[▶] key to adjust Bass-Bass Center Level to 3 steps (-8 ↔ 0 ↔ +8) (Initial value: 0).

Press [◀]/[▶] key to adjust Middle-Middle Center Level to 3 steps (-8 ↔ 0 ↔ +8) (Initial value: 0).

Press [◀]/[▶] key to adjust Treble-Treble Center Level to 3 steps (-8 ↔ 0 ↔ +8) (Initial value: 0).

Press [◀]/[▶] key to adjust Fader to 3 steps (R15 ↔ 0 ↔ F15) (Initial value: 0).

Press [◀]/[▶] key to adjust Balance to 3 steps (L15 ↔ 0 ↔ R15) (Initial value: 0).

Press [◀]/[▶] key to adjust Sub Woofer Level to 3 steps (-15 ↔ 0 ↔ +15) (Initial value: 0).

Press [◀]/[▶] key to adjust Detailed-LPF SW to 2 steps (85kHz ↔ Through) (Initial value: Through).

Press [◀]/[▶] key to adjust Volume Offset (except for the internal AUX) to 2 steps (-8 ↔ 0) (Initial value: 0).

Press [◀]/[▶] key to adjust Volume Offset (internal AUX) to 3 steps (-8 ↔ 0 ↔ +8) (Initial value: 0).

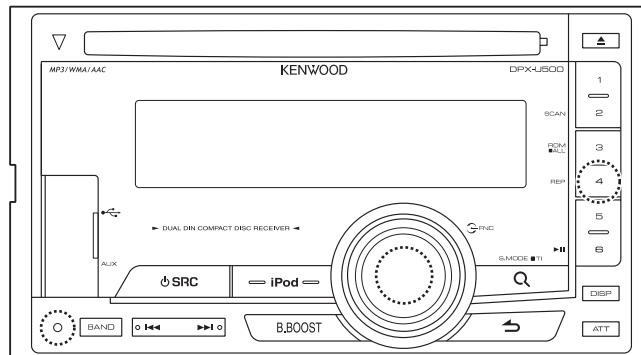
● Backup current measurement

| Procedure | Note |
|--------------------------------------|---|
| Power on during ACC OFF (Back Up ON) | The MUTE terminal is turned OFF not in 15 seconds but in 2 seconds. (When the terminal is turned OFF, the CD mechanism does not function.) |

3. Forced Power ON mode function

● How to transfer to the mode

In the set for E destination, even if security is allowed, Power ON can be maintained for 30 minutes only by resetting while pressing and holding [ENTER] key and [PRESET-4] key. After 30 minutes have elapsed, the set can be recovered only by resetting it.

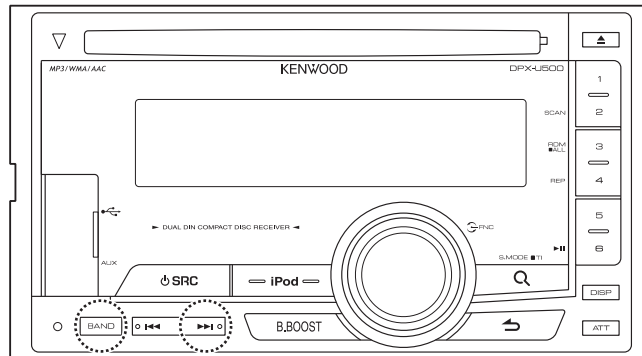


TEST MODE

4. Security code forced deletion function

● How to transfer to the mode (E destination)

When a code is requested, press and hold [SEEK UP] key for 3 seconds while pressing [BAND] key to be transferred to the mode, ([-][-][-][-]) will be cleared.



● Simple security code forced deletion

Delete (Release) a security code forcibly with the operations below.

- Enter "KCAR" with a remote controller.
 - Press [5] key of a remote controller 2 times to display "K", and then press [▶▶] key.
 - Press [2] key of a remote controller 3 times to display "C", and then press [▶▶] key.
 - Press [2] key of a remote controller 1 time to display "A", and then press [▶▶] key.
 - Press [7] key of a remote controller 2 times to display "R", and then press [▶▶] key.
- Security is released to be a STANDBY mode.
- When incorrect remote controller code has been entered, it will be the code request mode.

5. DC error detection information display function

● How to transfer to the mode

While pressing and holding [PRESET-3] key and [PRESET-6] key, reset-start to enter the DC error display mode.

The opening display shall be omitted for the easy recognition of the mode transfer.

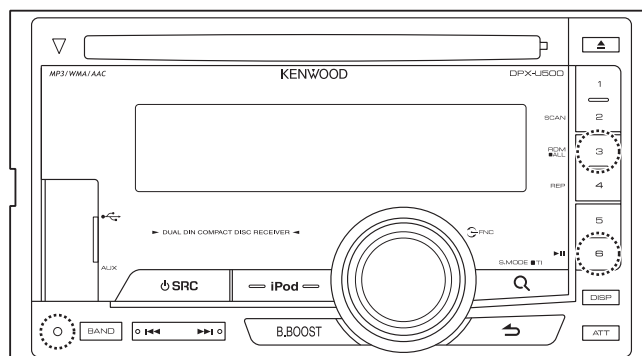
In the STANDBY source, the present DC error detection status is displayed.

The transfer to this mode shall be possible even if the DC error has been detected.

This mode is cleared by reset. (The last status is not retained)

In this mode, DOP setting is unavailable (Except only for DOP TYPE display).

In the set for E destination, even if security is allowed, Power ON can be maintained only for 30 minutes.



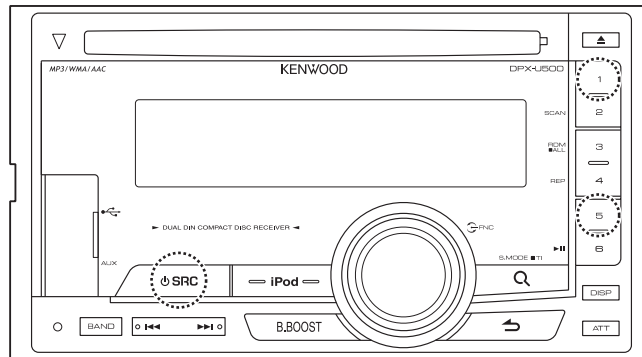
TEST MODE

| Key | Description of display | Description |
|--|---|---|
| While pressing and holding [3] key and [6] key, reset-start. | [D] [C] [] [] [#] [#] [#] [] [] [] [] [] [] | DC error detection status display When DC error is detected (capacitor leaks, misconnections or any other errors are detected): "ERR" When DC error is not detected (no capacitor leaks, misconnections or any other errors are detected): "OK" |
| 1 | [D] [C] [1] [] [#] [#] [#] [] [] [] [] [] [] | DC error detection status display When DC error is detected (capacitor leaks, misconnections or any other errors are detected): "ERR" When DC error is not detected (no capacitor leaks, misconnections or any other errors are detected): "OK" |
| ■ 1 | [D] [C] [1] [] [O] [K] [] [] [] [] [] [] | While pressing and holding the keys for 2 seconds in displaying misconnection and any other detection presence information, initialize it. * After initializing, "OK" is displayed. |
| 2 | [D] [C] [2] [] [#] [] [] [] [] [] [] [] [] | Display of the number of capacitor leak detection 0: Not detected 1~3: Detected 1~3 times 4: Detected 4 times or more |
| ■ 2 | [D] [C] [2] [] [0] [] [] [] [] [] [] [] [] | While pressing and holding [PRESET-2] key for 2 seconds in displaying number of capacitor leak detection, initialize its information. * After initializing, "0" is displayed. |

6. Frequency span switching function (M destination)

Power ON by pressing [SRC] key while pressing and holding [PRESET-1] key and [PRESET-5] key in Power OFF.

FM 50kHz/ AM 9kHz ↔ FM 50kHz/ AM 10kHz



TEST MODE

7. ROM correction writing-in function

● How to transfer to the mode

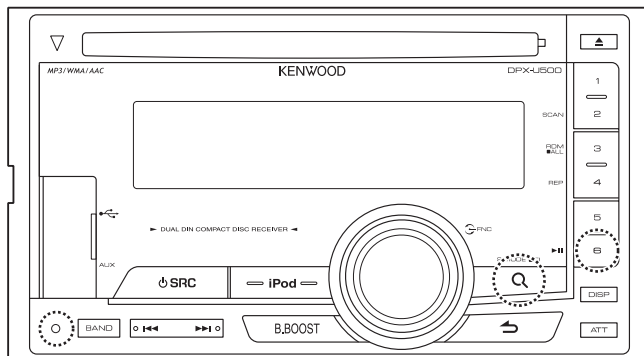
While pressing and holding [PRESET-6] + [SEARCH], reset to transfer to the ROM correction writing-in mode.

The opening display shall be omitted for the easy recognition of the mode transfer.

In this mode, DOP setting is unavailable (Except only for DOP TYPE display).

In the old model, after the mode transfer, the operation is possible to become unstable due to the ununiformity of the respective keys' effectiveness.

And considering the confusion due to an accidental press in the line, the keys other than [EJECT] key shall be disabled.



After entering to this mode, insert DISC and USB.

The display of the SRC switching is shown in the same manner as the display of the normal mode.

After the completion of Reading, start the Update if there is an update file.

If there is no update file, display "NO FILE".

Note that the DEMO mode display in ROM correction UPDATE mode will cause the Delay of the mask or the beginning of start-up.

* According to the internal software specification, DEMO mode ON setting shall be disabled. And during the ROM correction UPDATE, it shall keep initializing the timer for DEMO mode startup management.

| Key | Description of display | Description |
|---|------------------------|--|
| [F] [/] [W] [] [U] [P] [D] [A] [T] [E] [] [] [] | | STANDBY condition in the forced ROM correction data update mode |
| [R] [E] [A] [D] [I] [N] [G] [] [] [] [] [] [] | | Display of READING in progress. * Display in 2Hz blinking |
| [N] [O] [] [F] [I] [L] [E] [] [] [] [] [] [] | | The "NO FILE" is displayed when there is no update file |
| [U] [P] [D] [A] [T] [I] [N] [G] [] [] [] [] [] [] | | Display after confirming the existence of an update file, Display in Update. * Display in 2Hz blinking |
| [V] [E] [R] [] [] [#] [.] [#] [#] [] [] [] [] [] [] | | Completion of the UPDATE (the number in 3 digits displays the version) * This version is the F/W Update version. * For the ROM correction versions of respective μ -com's (System μ -com/ Panel/ Bolero), refer to the F/W management table. |
| [E] [R] [R] [O] [R] [] [] [] [] [] [] [] [] [] [] | | Failure of the UPDATE |

TEST MODE

8. DOP setting function

● How to transfer to the mode

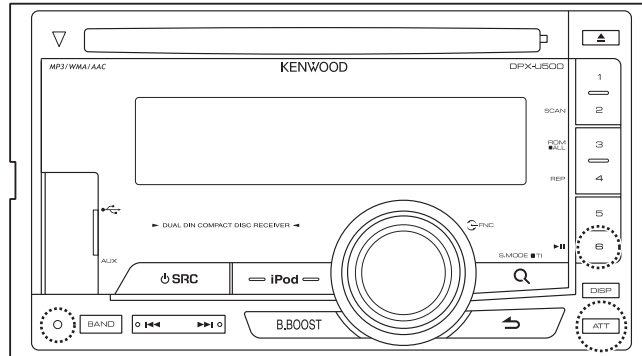
While pressing and holding [ATT] + [PRESET-6], reset to transfer to the DOP setting mode.

The opening display shall be omitted for the easy recognition of the mode transfer.

In this mode, DOP setting is unavailable (Except only for DOP TYPE display).

In the old model, after the mode transfer, the operation is possible to become unstable due to the ununiformity of the respective keys' effectiveness.

And considering the confusion due to an accidental press in the line, the keys other than [EJECT] key shall be disabled.



After entering to this mode, insert DISC and USB.

The display of the SRC switching is shown in the same manner as the display of the normal mode.

After the completion of READING, start the UPDATE if there is a setting file.

If there is no setting file, display "NO FILE".

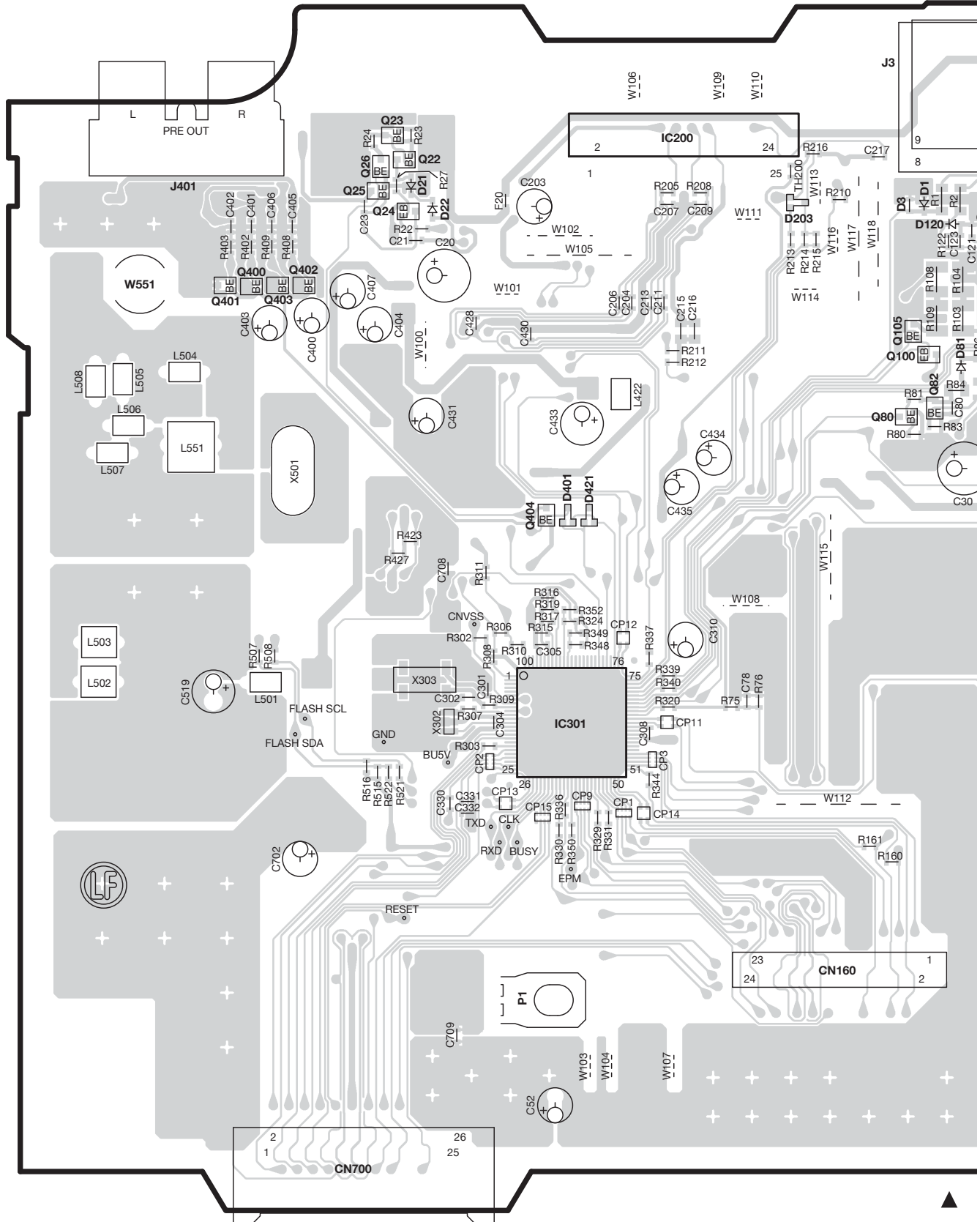
Note that the DEMO mode display in DOP setting mode will cause the Delay of the mask or the beginning of startup.

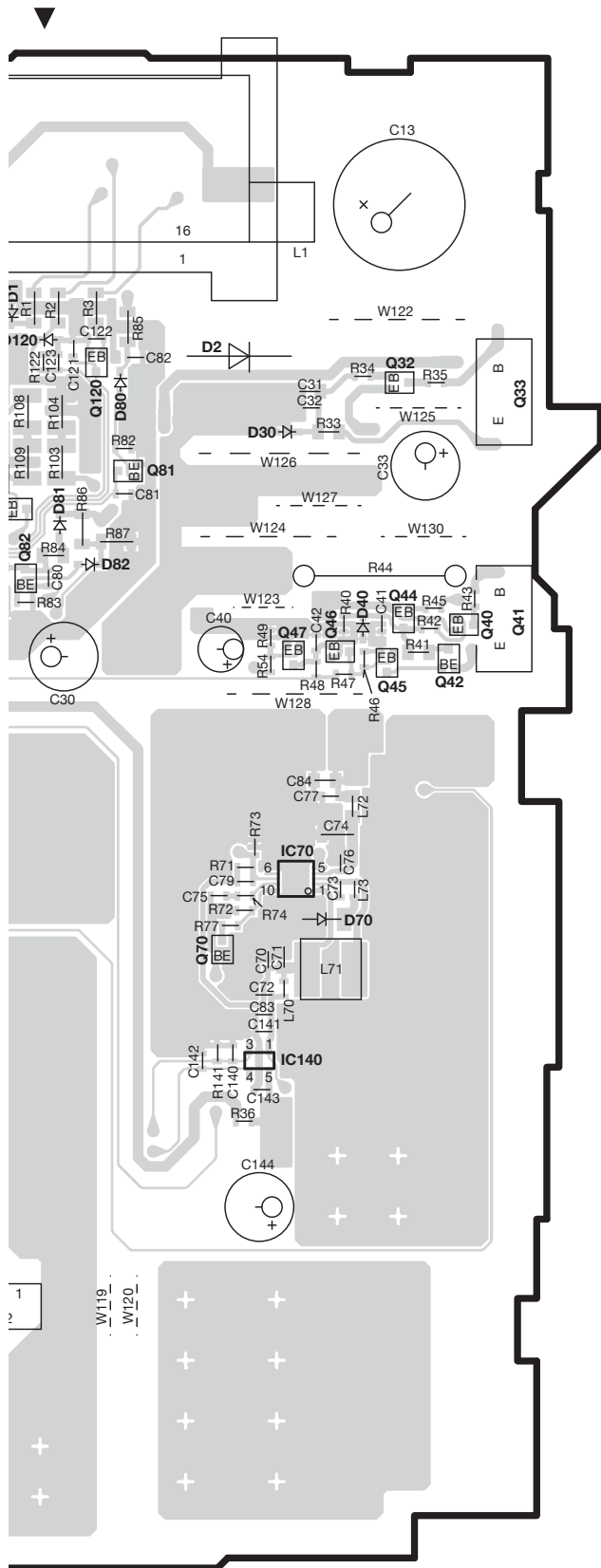
* According to the internal software specification, DEMO mode ON setting shall be disabled. And during the DOP setting mode, it shall keep initializing the timer for DEMO mode startup management.

| Key | Description of display | Description |
|---|------------------------|--|
| [D] [O] [P] [] [S] [E] [T] [T] [I] [N] [G] [] [] | | STANDBY condition in the DOP setting update mode |
| [R] [E] [A] [D] [I] [N] [G] [] [] [] [] [] | | Display of READING in progress. * Display in 2Hz blinking |
| [N] [O] [] [F] [I] [L] [E] [] [] [] [] [] | | Display when there is no setting file |
| [U] [P] [D] [A] [T] [I] [N] [G] [] [] [] [] [] | | The UPDATING is displayed after it is verified that there is a setting file * Display in 2Hz blinking |
| [V] [E] [R] [] [] [#] [#] [#] [] [] [] [] [] | | Completion of the setting (the number in 3 digits displays the version) |
| [E] [R] [R] [O] [R] [] [] [] [] [] [] [] | | Failure of the setting |

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT X34-700x-xx (J76-0740-22)





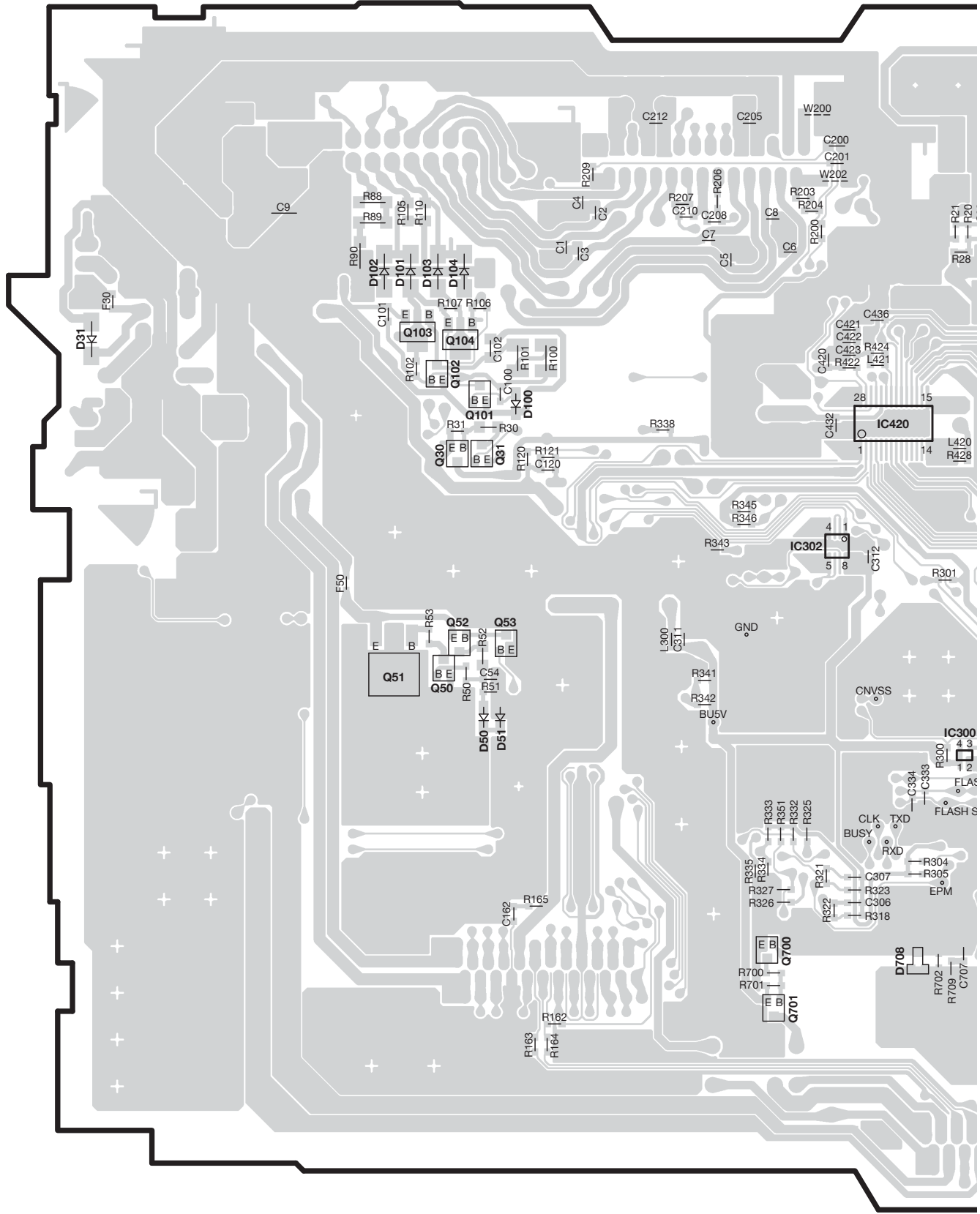
X34-700x-xx

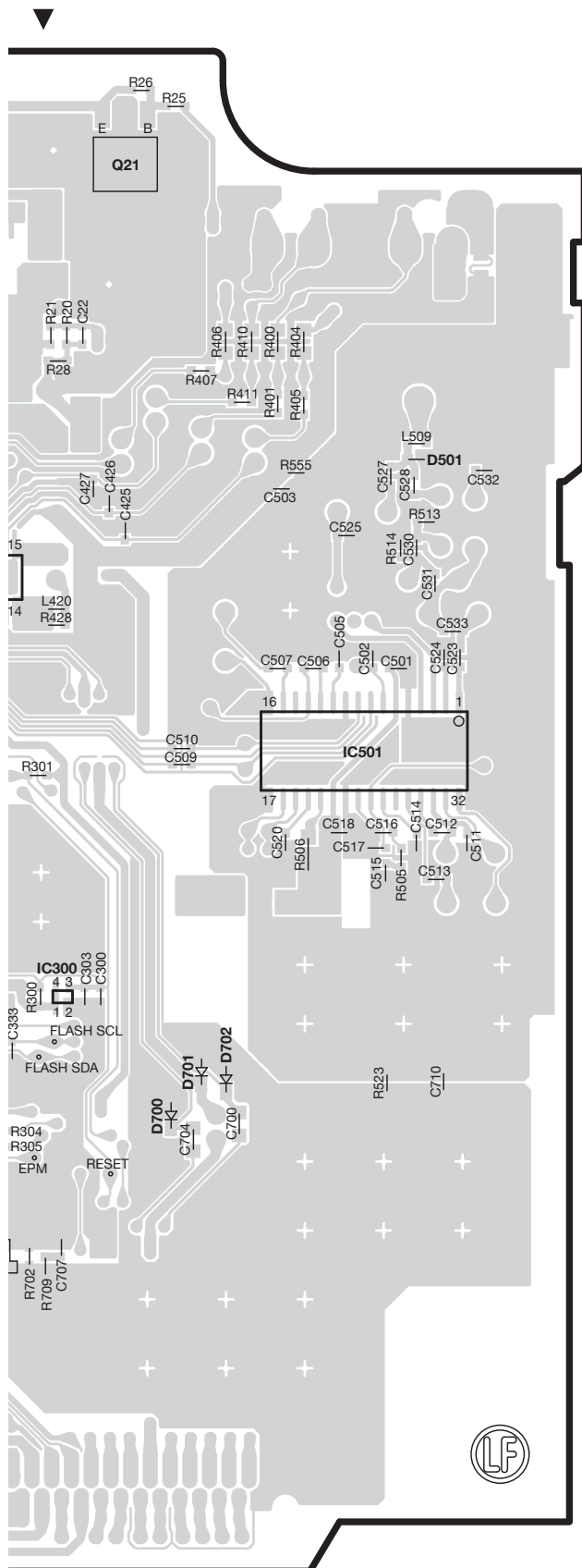
| Ref. No. | Address |
|----------|---------|
| IC70 | 4G |
| IC140 | 5F |
| IC200 | 2D |
| IC301 | 5D |
| Q22 | 2C |
| Q23 | 2C |
| Q24 | 2C |
| Q25 | 2C |
| Q26 | 2C |
| Q32 | 2G |
| Q33 | 3G |
| Q40 | 3G |
| Q41 | 3G |
| Q42 | 4G |
| Q44 | 3G |
| Q45 | 4G |
| Q46 | 3G |
| Q47 | 3G |
| Q80 | 3E |
| Q81 | 3F |
| Q82 | 3E |
| Q100 | 3E |
| Q105 | 3E |
| Q120 | 3F |
| Q400 | 3B |
| Q401 | 3B |
| Q402 | 3B |
| Q403 | 3B |
| Q404 | 4C |

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT X34-700x-xx (J76-0740-22)





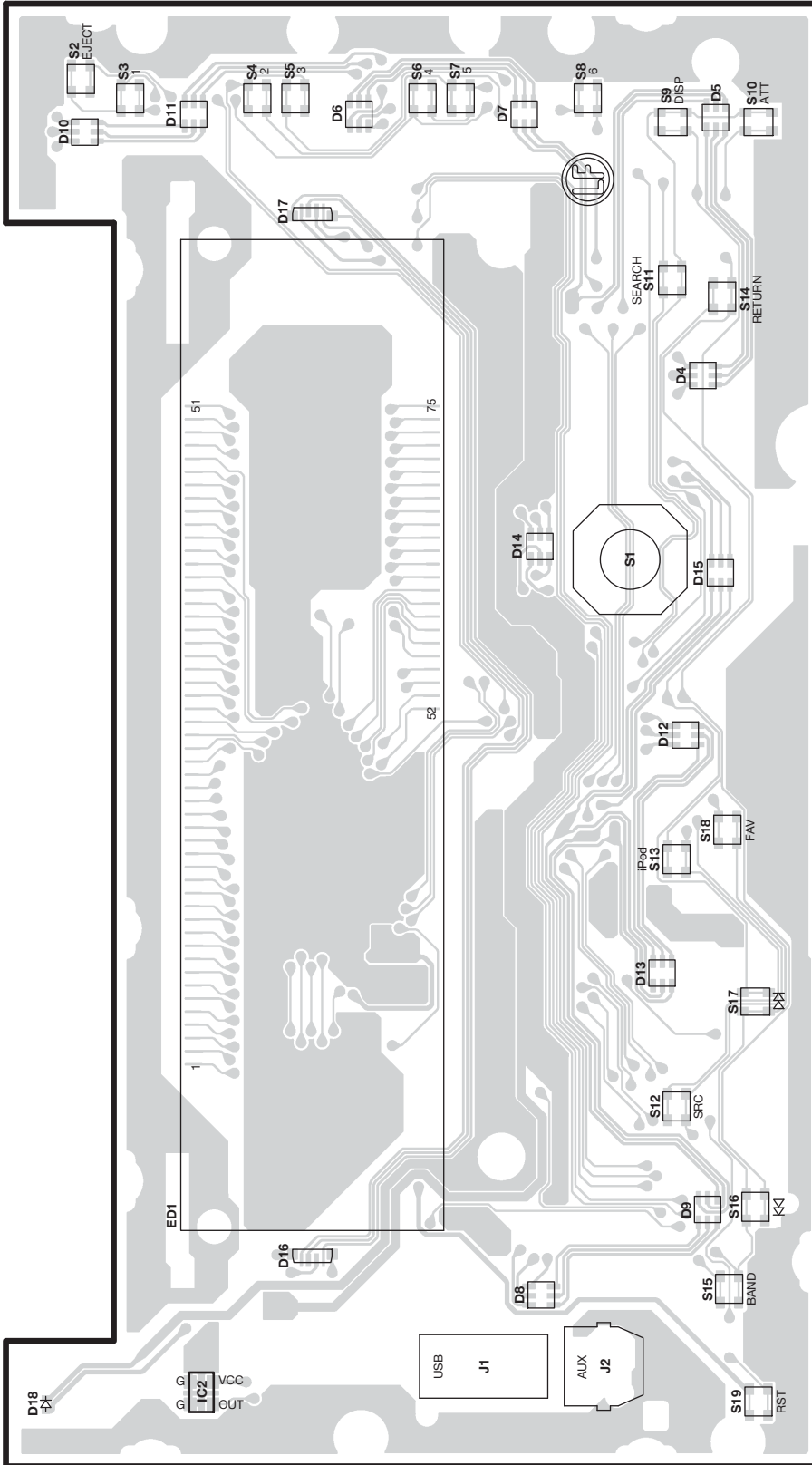
X34-700x-xx

| Ref. No. | Address |
|----------|---------|
| IC300 | 5P |
| IC302 | 4O |
| IC420 | 3O |
| IC501 | 4Q |
| Q21 | 2P |
| Q30 | 3M |
| Q31 | 3M |
| Q50 | 4M |
| Q51 | 4M |
| Q52 | 4M |
| Q53 | 4M |
| Q101 | 3M |
| Q102 | 3M |
| Q103 | 3M |
| Q104 | 3M |
| Q700 | 6O |
| Q701 | 6O |

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT X16-7120-2x (J76-0741-02)



X16-7120-2x

| Ref. No. | Address |
|----------|---------|
| IC2 | 6V |

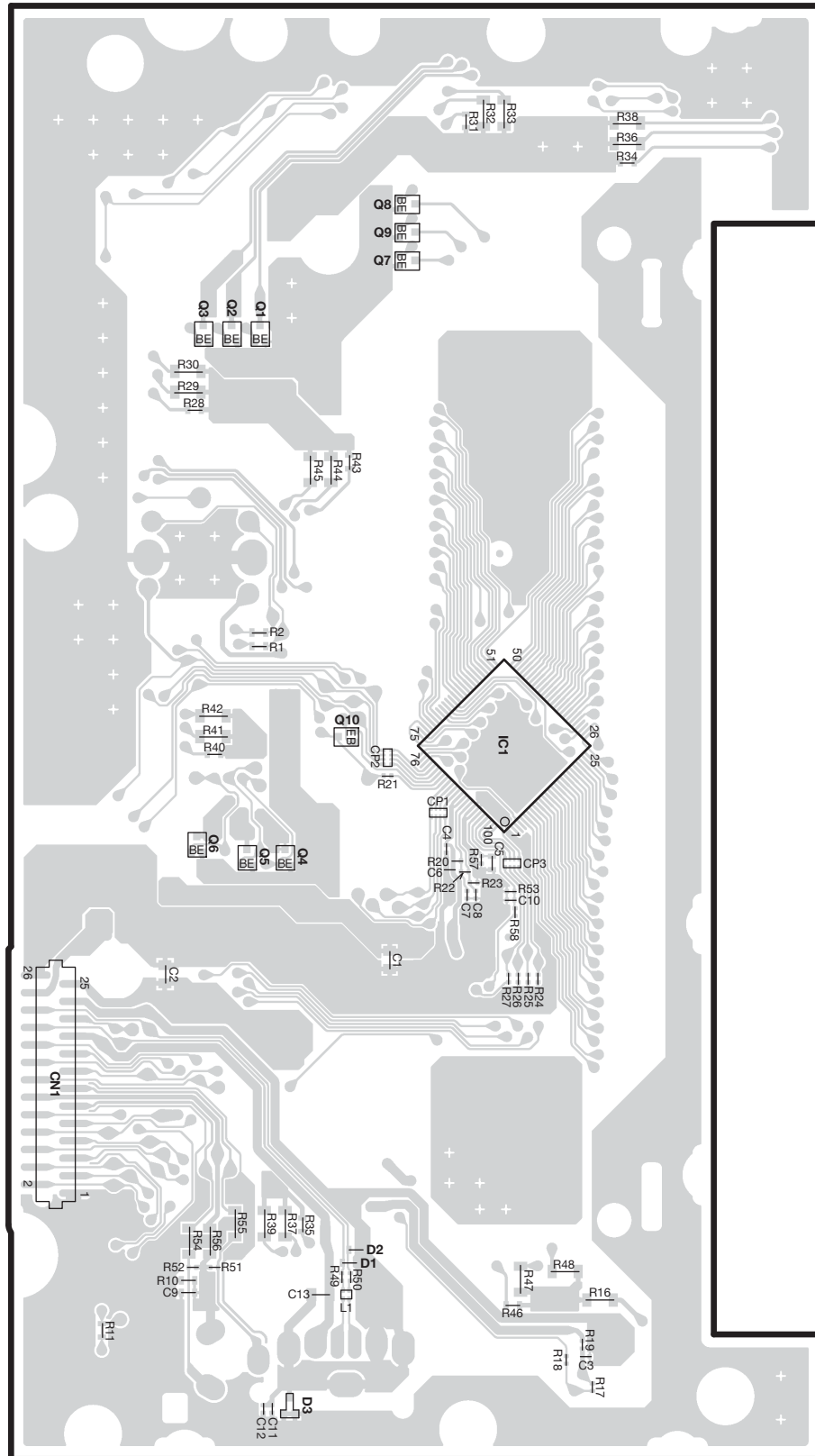
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

SWITCH UNIT X16-7120-2x (J76-0741-02)

X16-7120-2x

| Ref. No. | Address |
|----------|---------|
| IC1 | 4AC |
| Q1 | 3AB |
| Q2 | 3AB |
| Q3 | 3AA |
| Q4 | 5AB |
| Q5 | 5AB |
| Q6 | 4AA |
| Q7 | 2AB |
| Q8 | 2AB |
| Q9 | 2AB |
| Q10 | 4AB |

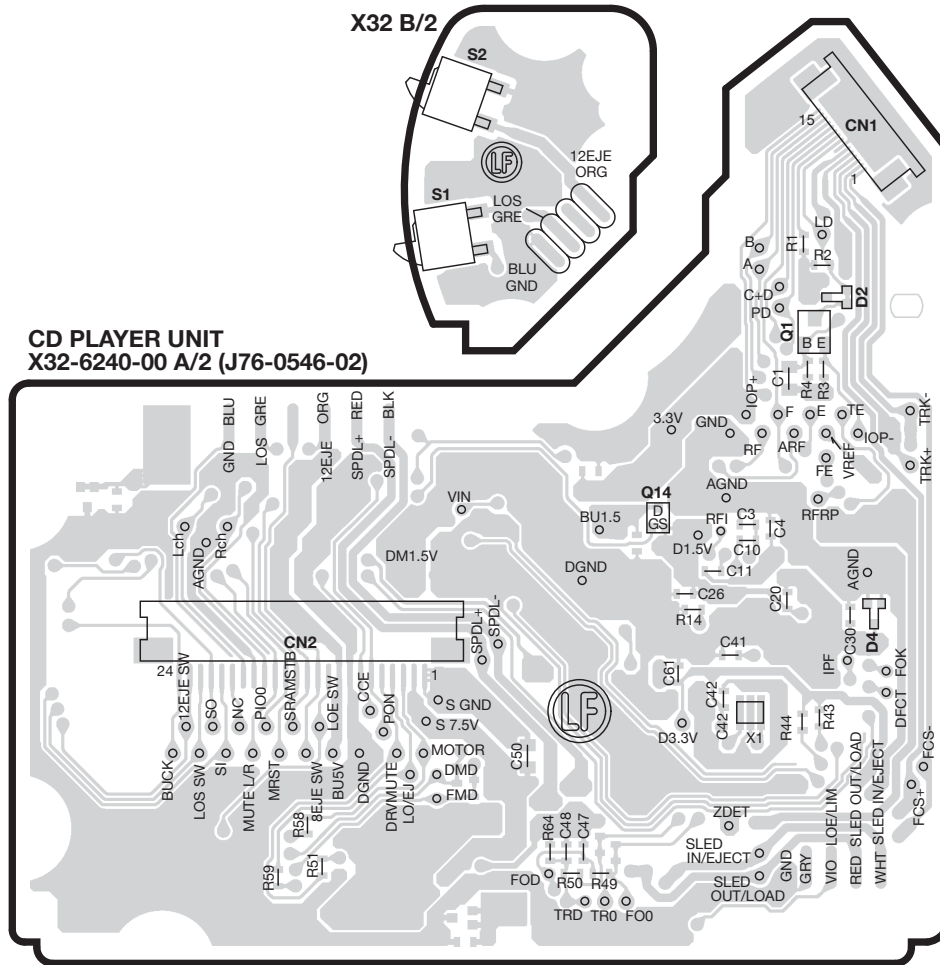


Refer to the schematic diagram for the values of resistors and capacitors.

DPX304/DPX308U/DPX404U
DPX-MP3120/U5120/U5120S

PC BOARD (COMPONENT SIDE VIEW)

DPX304, DPX-MP3120



CD PLAYER UNIT
X32-6240-00 A/2 (J76-0546-02)

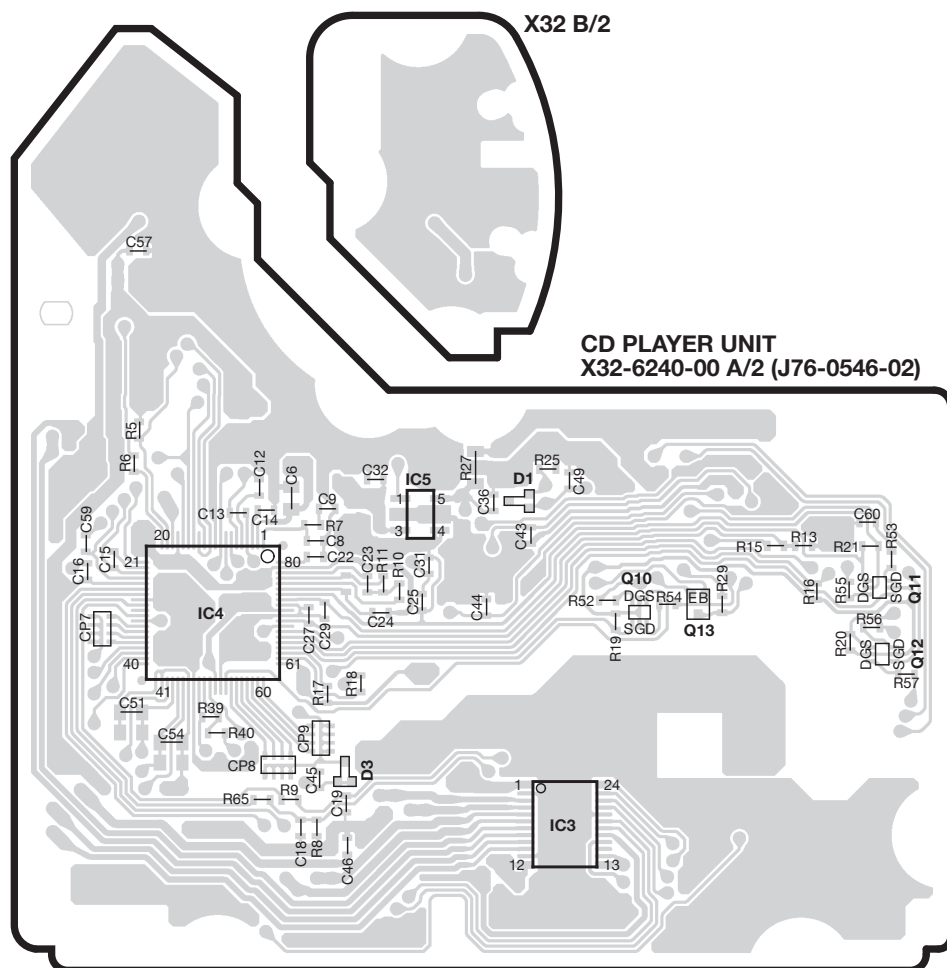
X32-6240-00

| Ref. No. | Address |
|----------|---------|
| Q1 | 2AH |
| Q14 | 3AH |

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

DPX304, DPX-MP3120



X32-6240-00

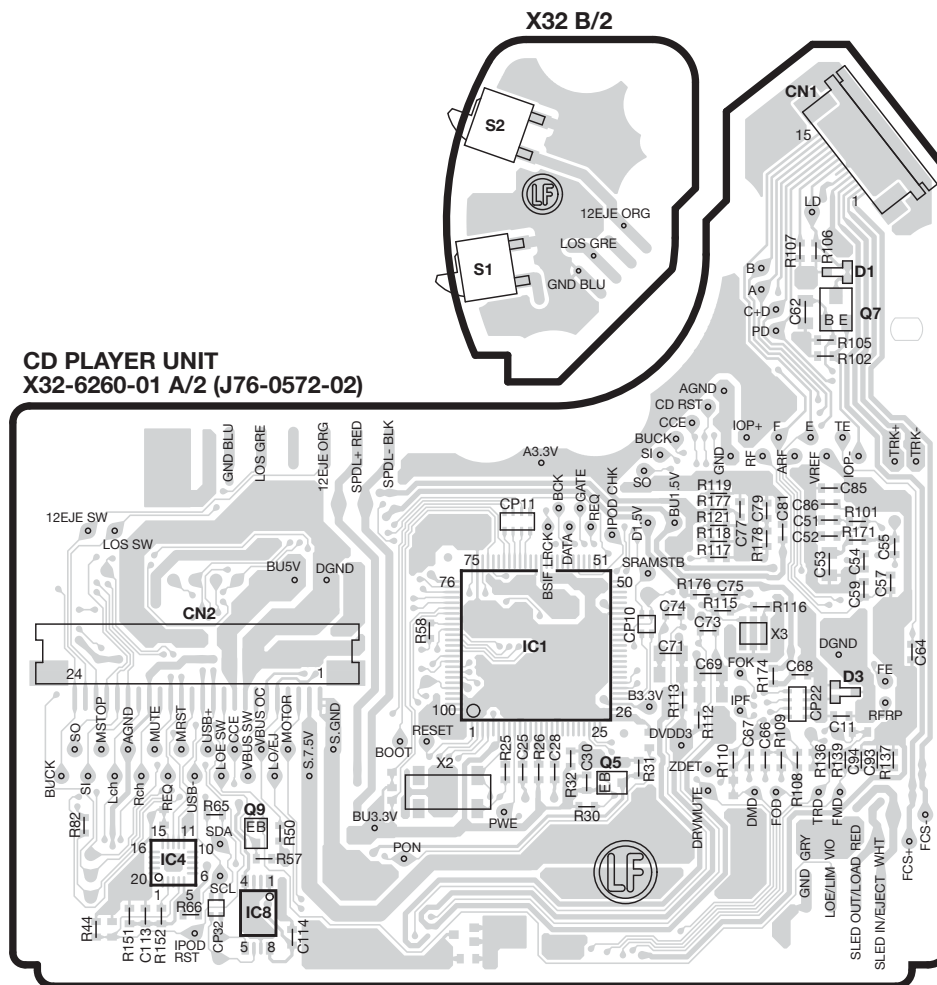
| Ref. No. | Address |
|----------|---------|
| IC3 | 4AL |
| IC4 | 3AK |
| IC5 | 3AL |
| Q10 | 3AL |
| Q11 | 3AM |
| Q12 | 3AM |
| Q13 | 3AM |

Refer to the schematic diagram for the values of resistors and capacitors.

DPX304/DPX308U/DPX404U
DPX-MP3120/U5120/U5120S

PC BOARD (COMPONENT SIDE VIEW)

DPX308U/DPX404U, DPX-U5120/U5120S



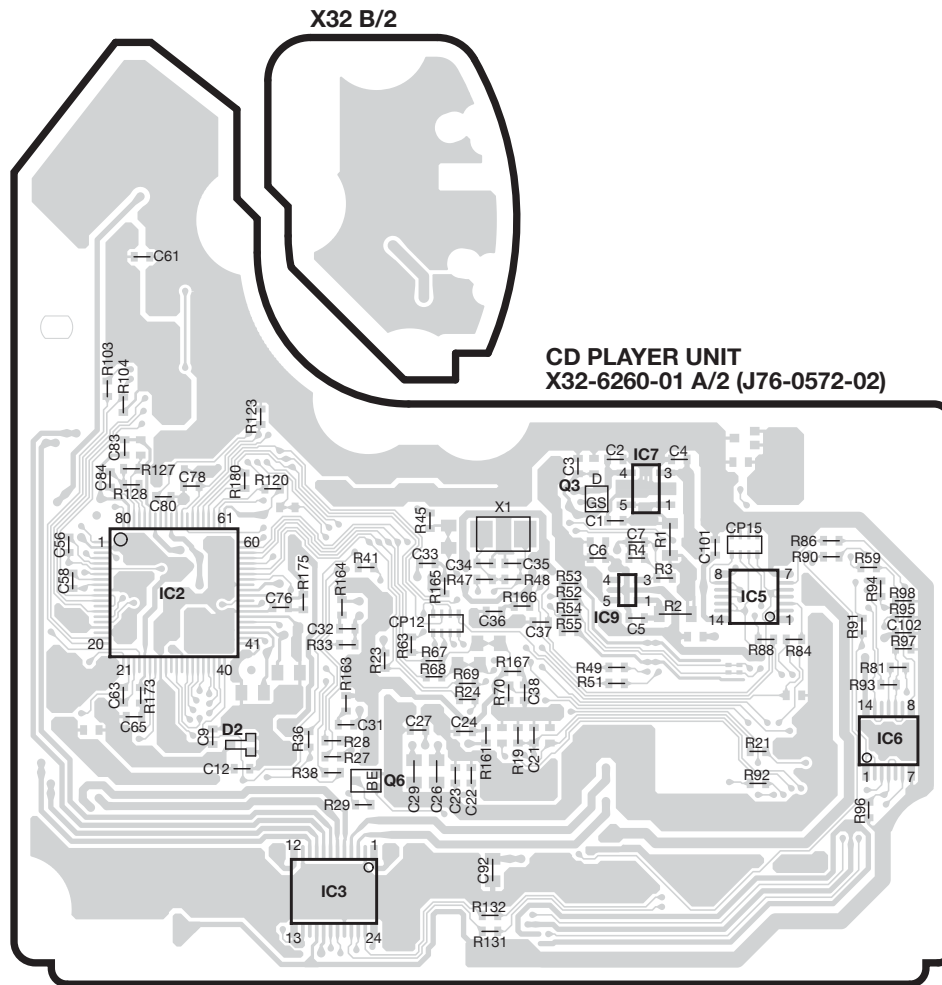
X32-6260-01

| Ref. No. | Address |
|----------|---------|
| IC1 | 3AQ |
| IC4 | 4AP |
| Q5 | 4AR |
| Q7 | 2AR |
| Q9 | 4AP |

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

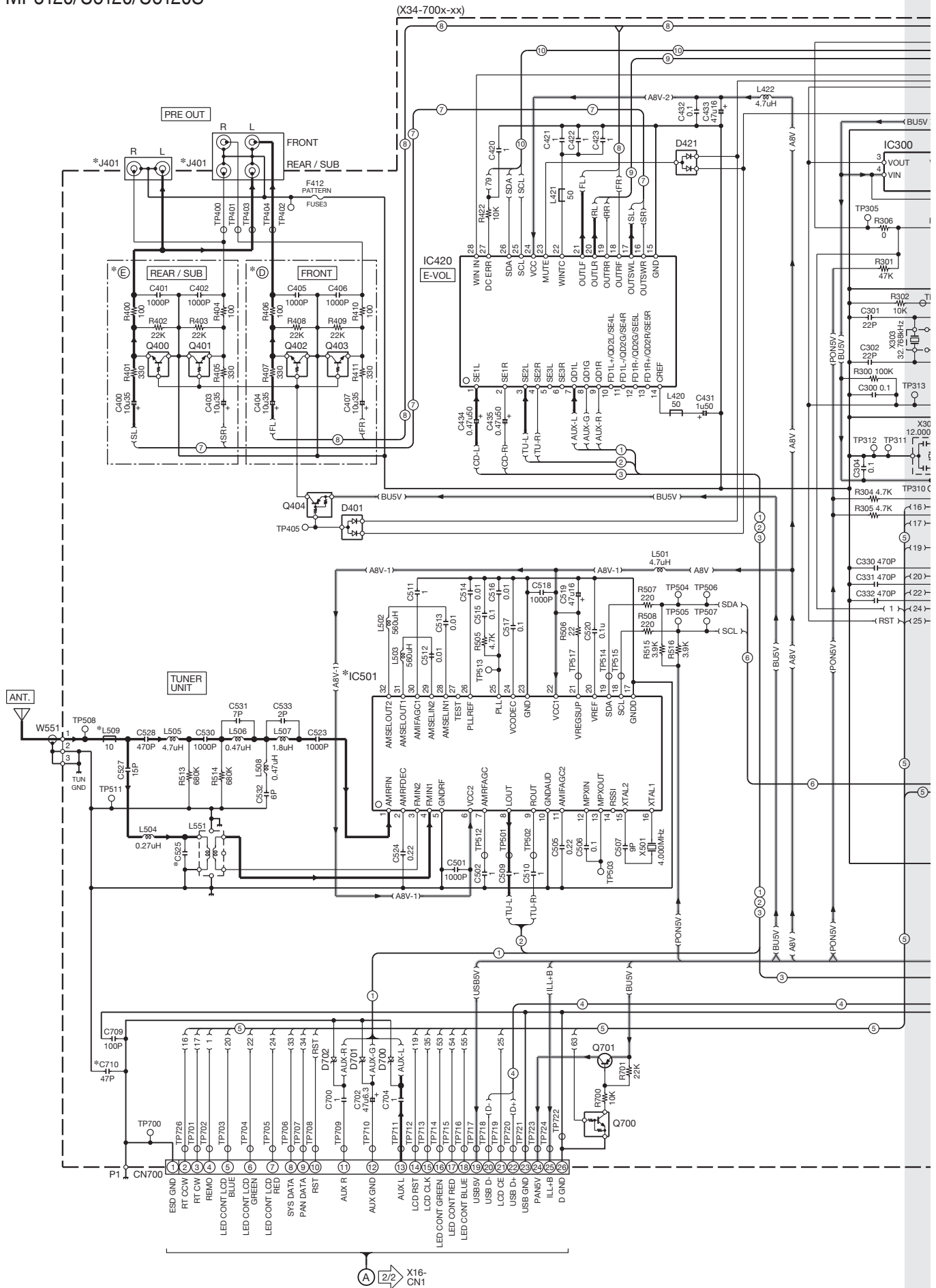
DPX308U/DPX404U, DPX-U5120/U5120S

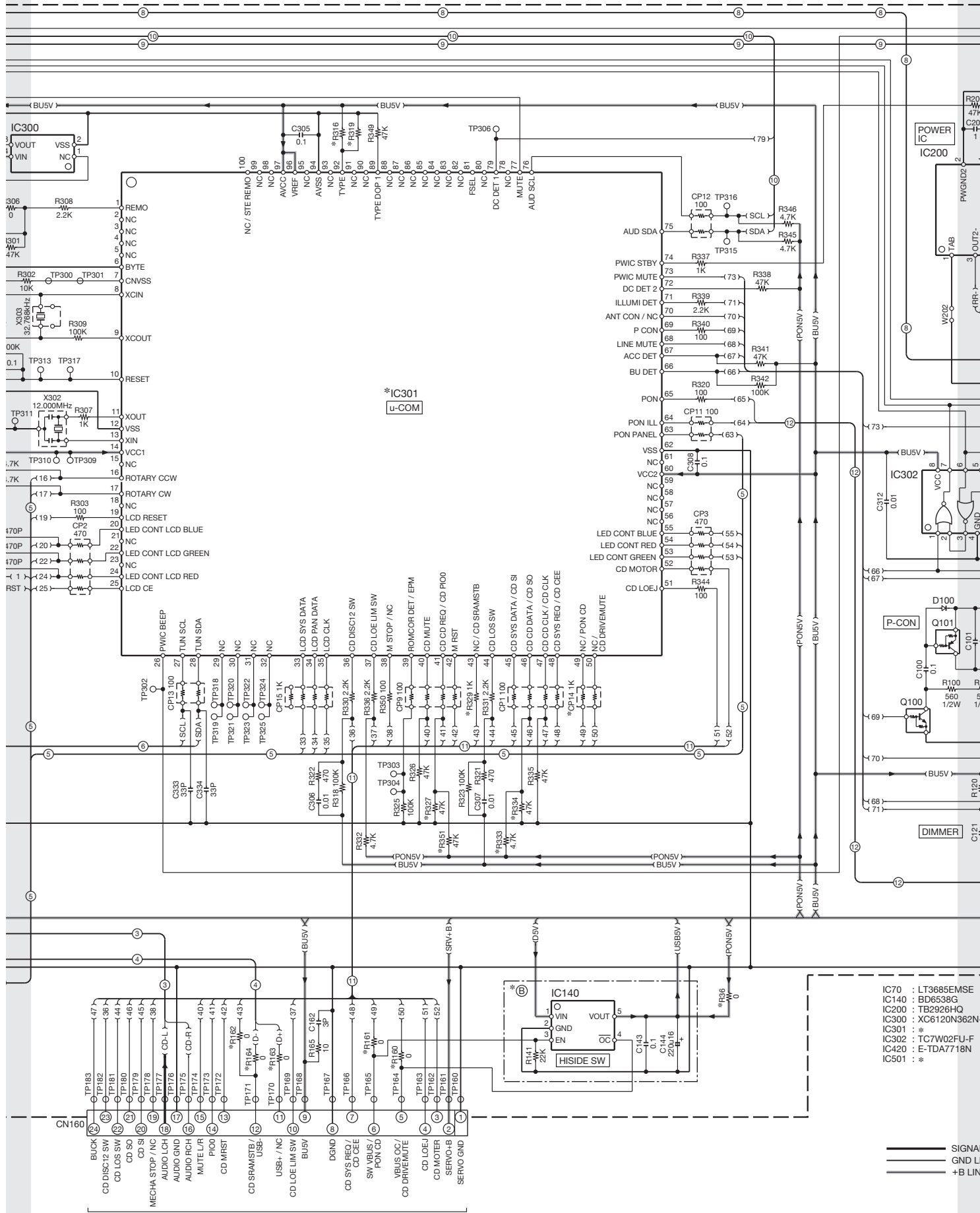


X32-6260-01

| Ref. No. | Address |
|----------|---------|
| IC2 | 3AU |
| IC3 | 4AU |
| IC5 | 3AW |
| IC6 | 4AW |
| IC7 | 3AV |
| IC9 | 3AV |
| Q3 | 3AV |
| Q6 | 4AV |

Refer to the schematic diagram for the values of resistors and capacitors.



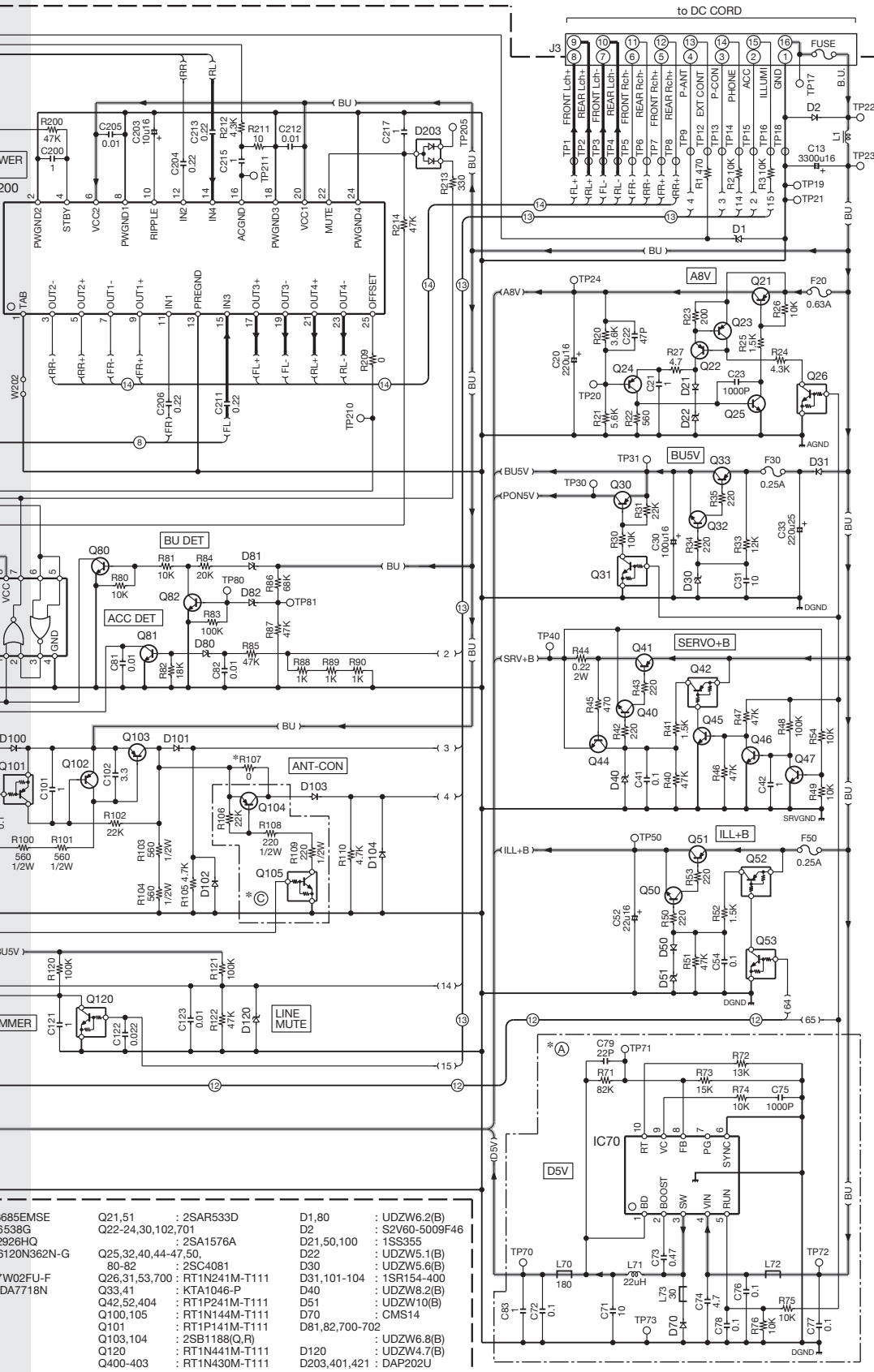


- IC70 : LT3685EMSE
- IC140 : BD6538G
- IC200 : TB2926HQ
- IC300 : XC6120N362N-
- IC301 : *
- IC302 : TC7W02FU-F
- IC420 : E-TDA7718N
- IC501 : *

- SIGNAL
- GND LINE
- +B LINE

to CD MECHA

DPX304/DPX308U/DPX404U
DPX-MP3120/U5120/U5120S



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

DPX304/308U/404U, DPX-MP3120/U5120/U5120S (1/2)

(X34-700x-xx)

| MODEL NAME | UNIT No. | DESTINATION | (A) | (B) | (C) | (D) | (E) | C525 | C710 | CP14 | IC301 | IC501 | J401 | L509 | R36,160-162,329,333,351 | R107 | R163,164,327,334 | R316 | R319 |
|------------|----------|-------------|-----|-----|-----|-----|-----|------|------|------|-------------|----------------|------|----------|-------------------------|------|------------------|------|------|
| DPXU5120/S | 0-20 | M1/M2 | YES | YES | YES | YES | 27P | — | — | — | W05-1738-00 | TEF6614TV1S4-X | 2PRE | L92-0609 | — | — | — | — | 47K |
| DPX-U500 | 0-01 | J | YES | YES | — | — | 39P | — | — | — | W05-1738-00 | TEF6614TV1S4-X | — | L92-0609 | — | — | — | YES | 47K |
| DPX308U | 0-11 | K1 | YES | YES | YES | YES | 27P | YES | — | — | W05-1738-00 | TEF6614TV1S4-X | 2PRE | L92-0607 | — | — | — | YES | 22K |
| DPX404U | 2-71 | E2 | YES | — | YES | YES | 27P | — | — | — | W05-1738-00 | TEF6614TV1S3-X | 2PRE | L92-0609 | — | — | YES | YES | 47K |
| DPX-MP3120 | 0-21 | M3 | — | — | YES | — | 27P | — | YES | — | W05-1739-00 | TEF6614TV1S4-X | 1PRE | L92-0609 | YES | — | — | — | 47K |
| DPX304 | 2-72 | E3 | — | — | — | YES | 27P | — | YES | — | W05-1739-00 | TEF6614TV1S3-X | 1PRE | L92-0609 | YES | YES | — | — | 47K |

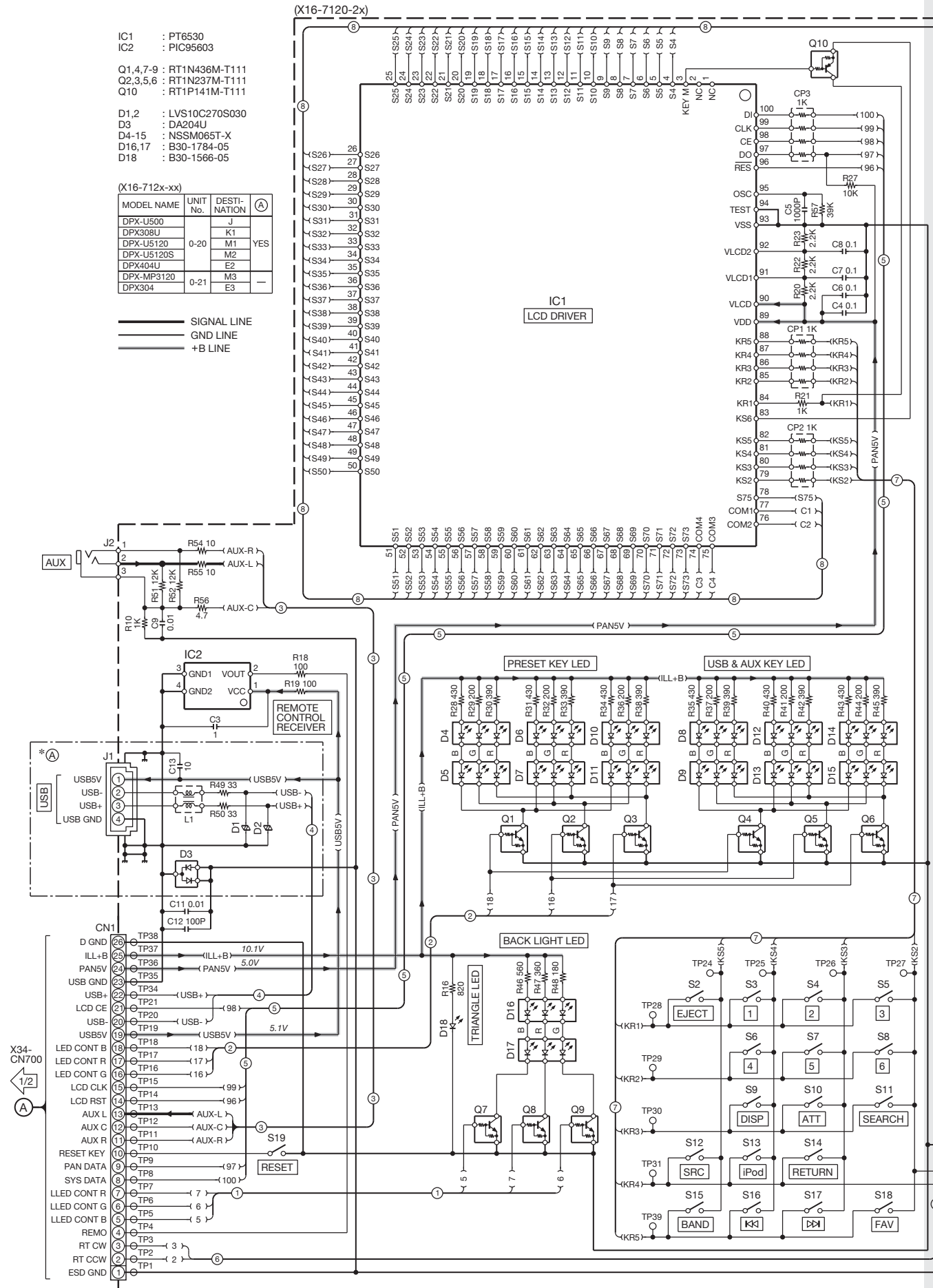
DPX304/DPX308U/DPX404U DPX-MP3120/U5120/U5120S

- IC1 : PT6530
- IC2 : PIC95603
- Q1,4,7-9 : RT1N436M-T111
- Q2,3,5,6 : RT1N237M-T111
- Q10 : RT1P141M-T111
- D1,2 : LVS10C270S030
- D3 : DA204U
- D4-15 : NSSM065T-X
- D16,17 : B30-1784-05
- D18 : B30-1566-05

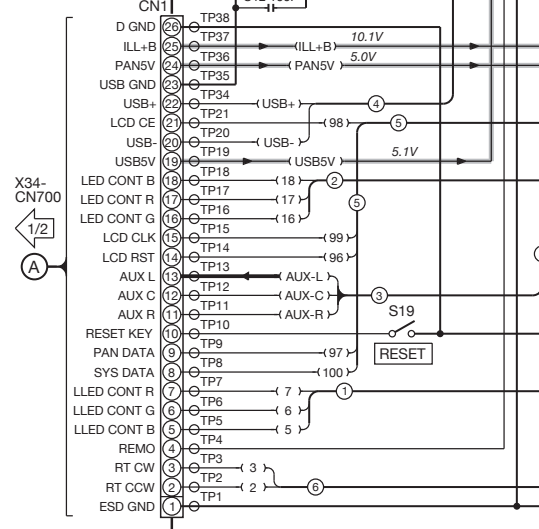
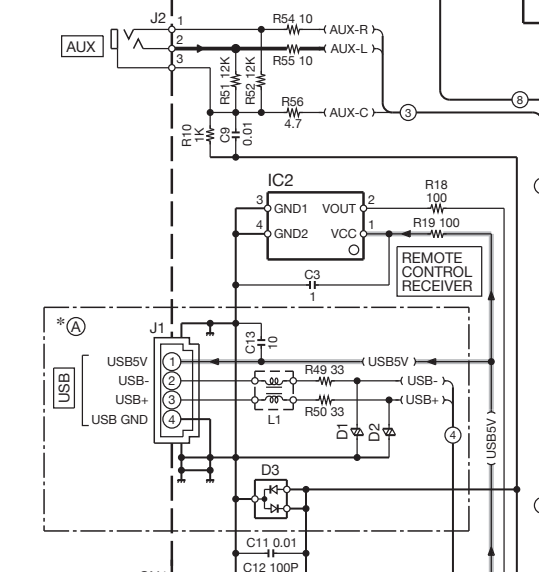
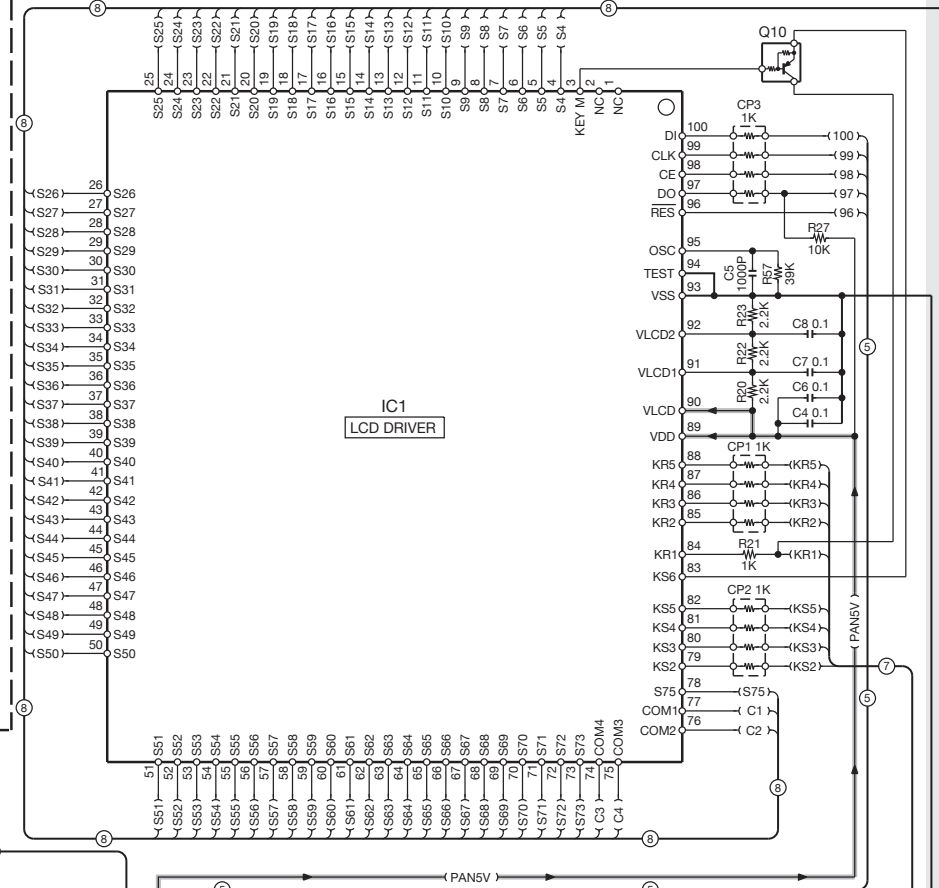
(X16-712x-xx)

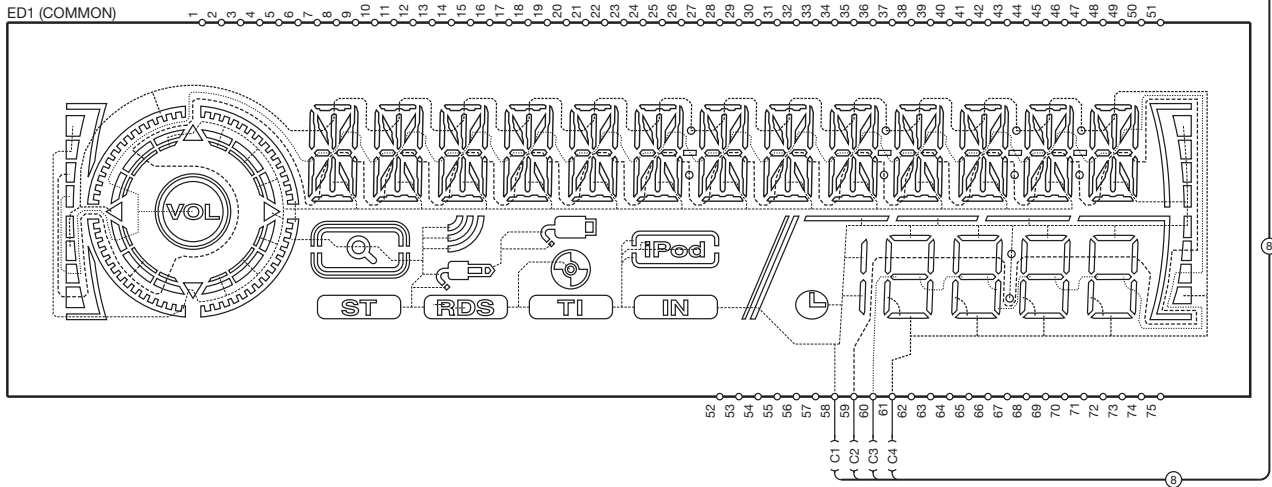
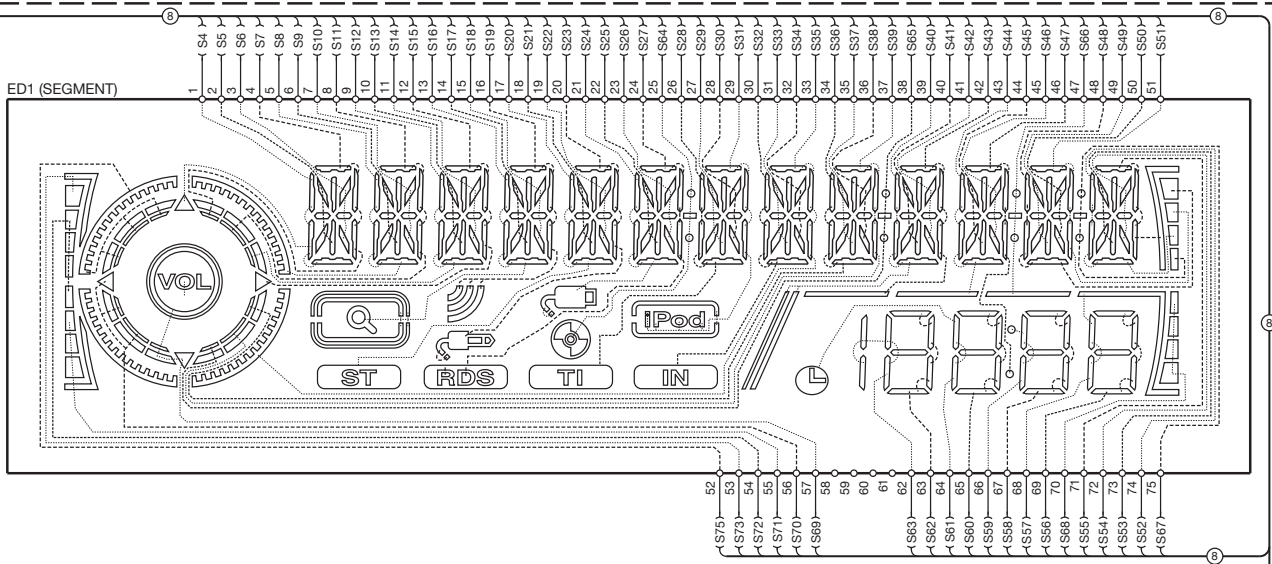
| MODEL NAME | UNIT No. | DESTINATION | (A) |
|------------|----------|-------------|-----|
| DPX-U500 | | J | |
| DPX308U | | K1 | |
| DPX-U5120 | 0-20 | M1 | YES |
| DPX-U5120S | | M2 | |
| DPX404U | | E2 | |
| DPX-MP3120 | 0-21 | M3 | |
| DPX304 | | E3 | |

— SIGNAL LINE
 — GND LINE
 — +B LINE



(X16-7120-2x)



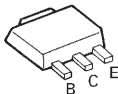


DPX304/308U/404U, DPX-MP3120/U5120/U5120S (2/2)

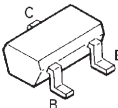
DTC114YUA
2SA1576A



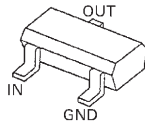
2SB1188



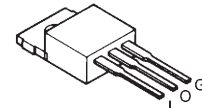
2SC4081



DTC144EUA



KTA1046-P



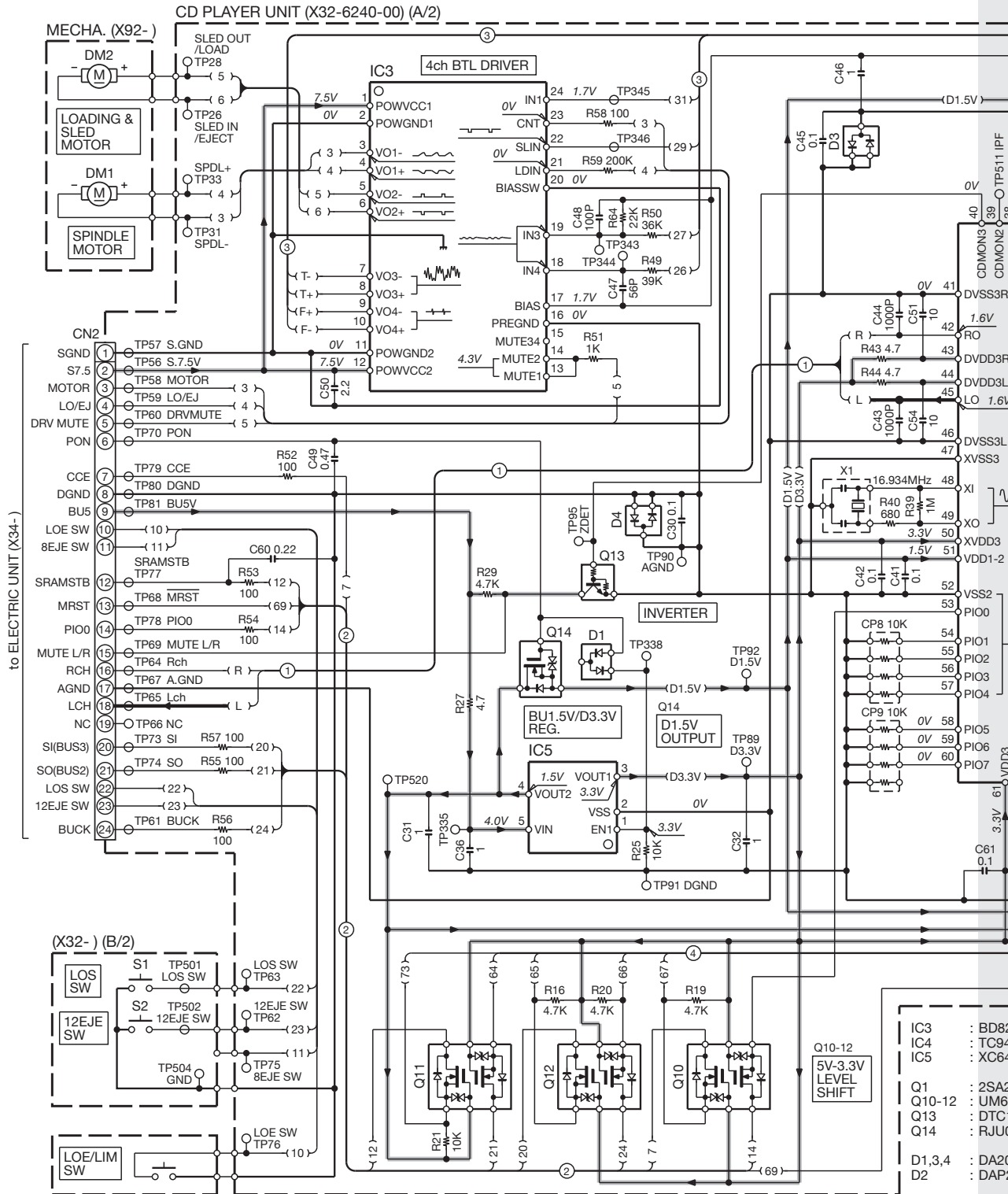
DAP202U
DA204U



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

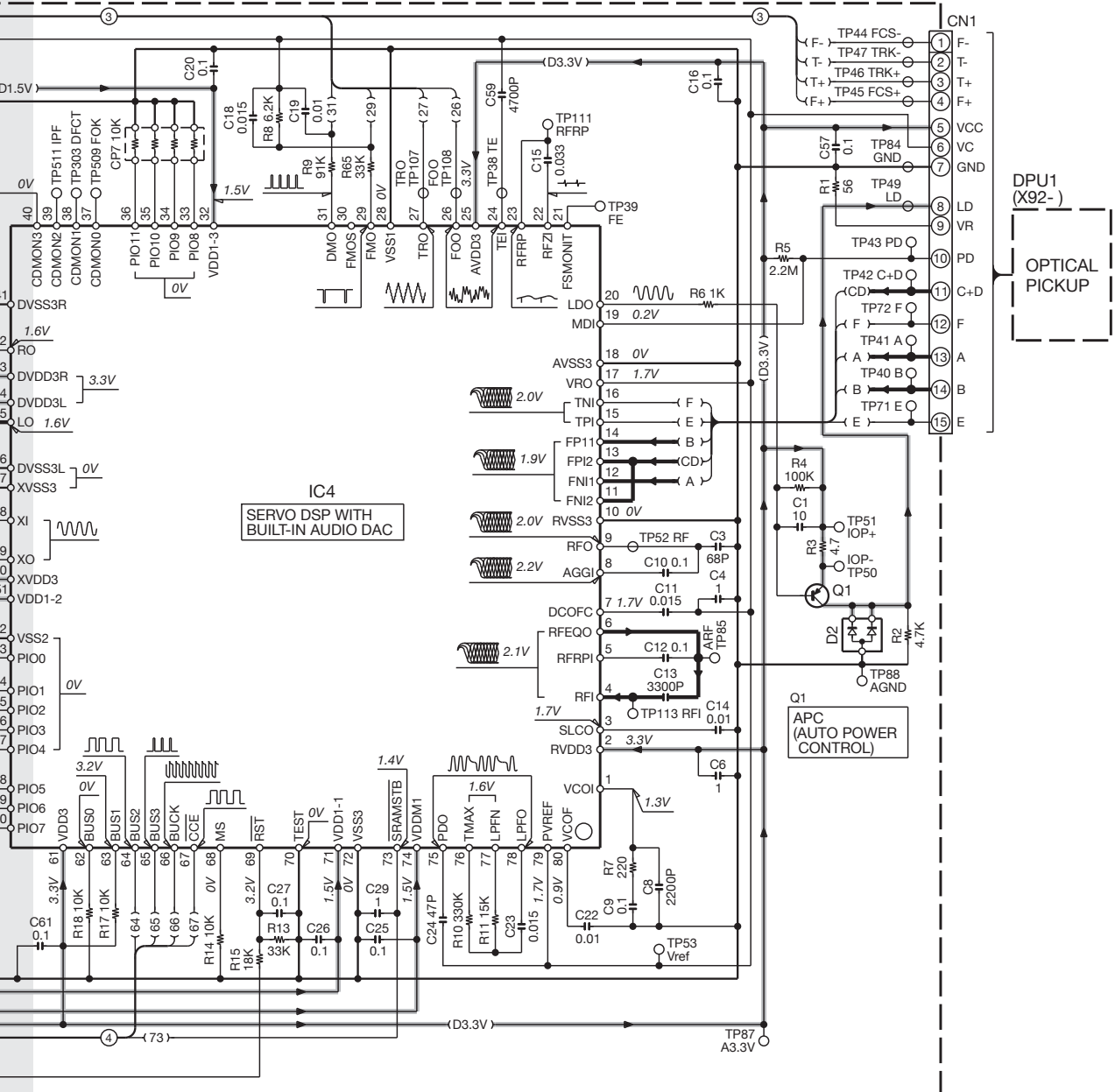
△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



- IC3 : BD8
- IC4 : TC94
- IC5 : XC64
- Q1 : 2SA2
- Q10-12 : UM6
- Q13 : DTC
- Q14 : RJU
- D1,3,4 : DA2
- D2 : DAP

DPX304, DPX-MP3120



- : BD8222EFV
- : TC94A92FG-001
- : XC6415S001P1

- 2 : 2SA2188-T1(E)
- 2 : UM6K1N
- 2 : DTC114YUA
- 2 : RJU003N03

- 4 : DA204U
- 4 : DAP202U

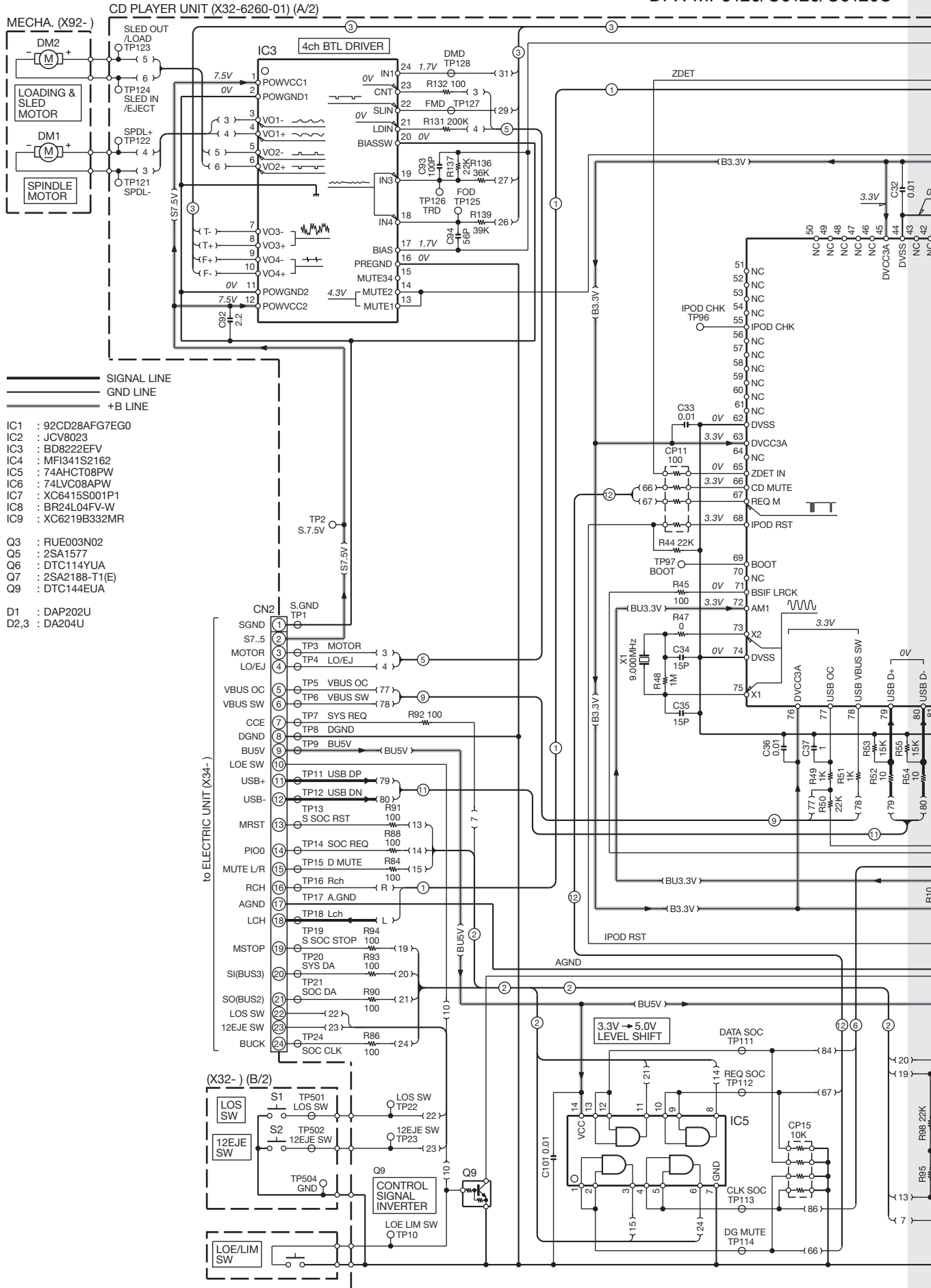
SIGNAL LINE
 GND LINE
 +B LINE

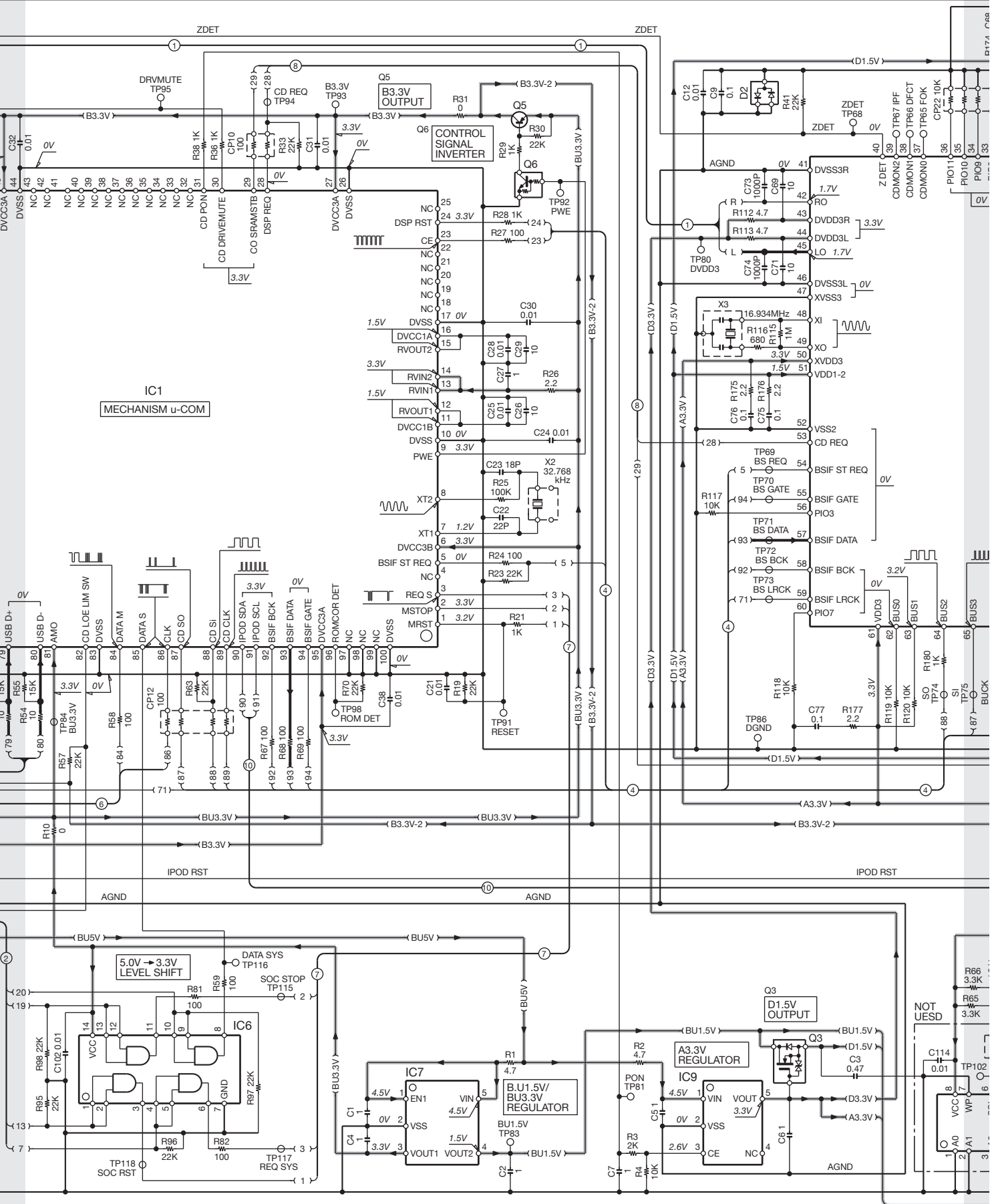
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 △Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

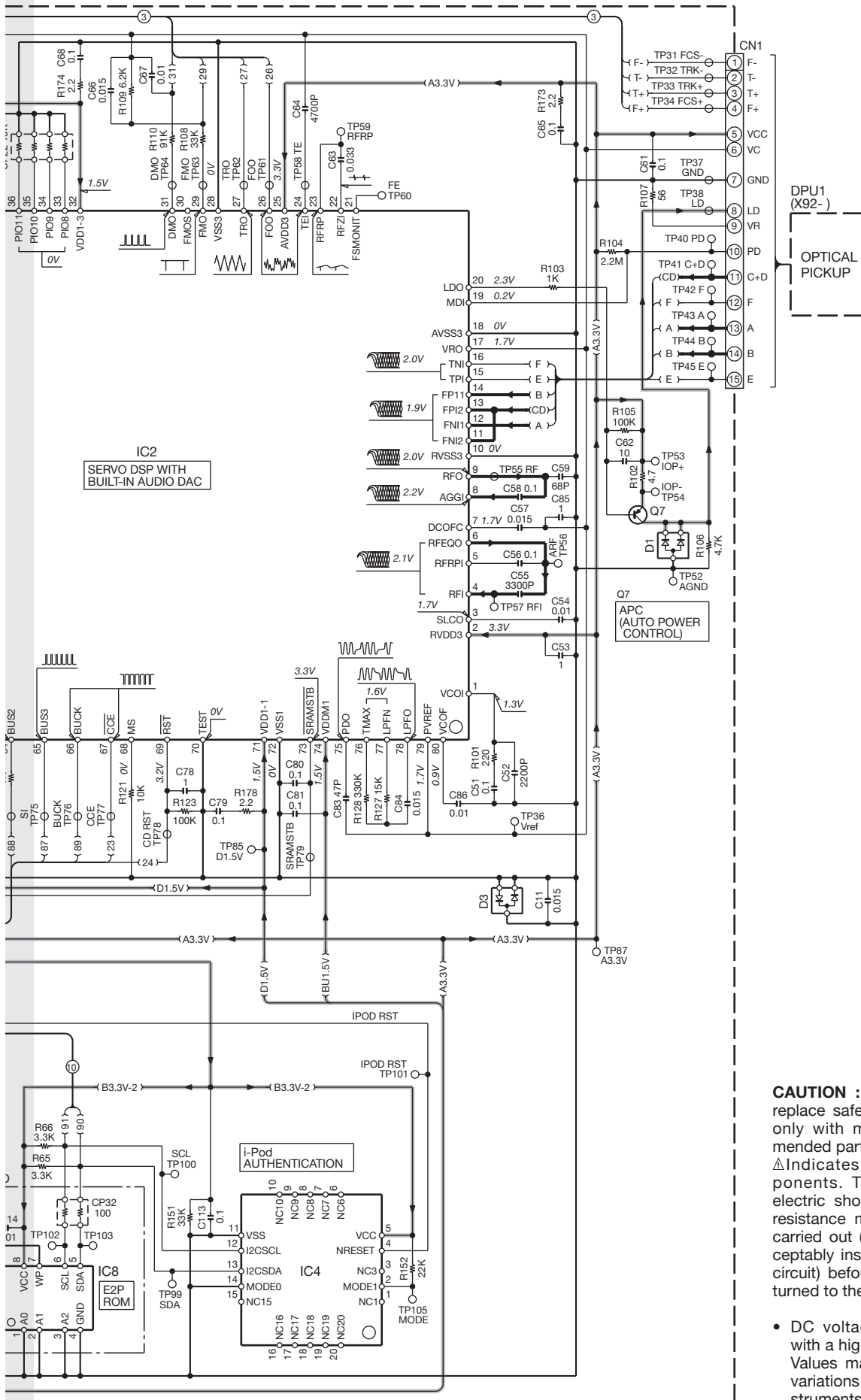
DPX308U/DPX404U, DPX-U5120/U5120S

DPX304/DPX308U/DPX404U
DPX-MP3120/U5120/U5120S





DPX308U/DPX404U, DPX-U5120/U5120S

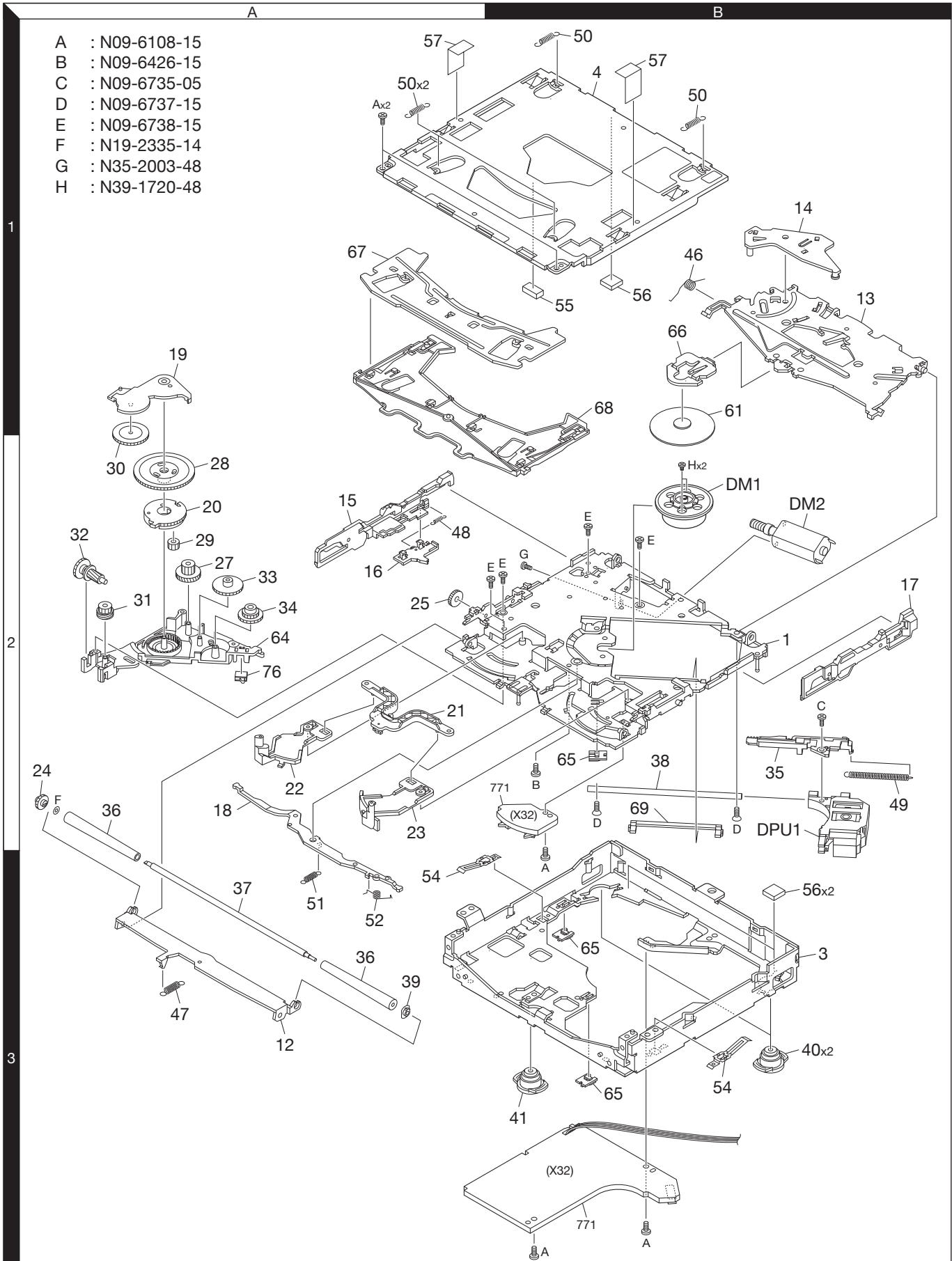
DPX304/DPX308U/DPX404U
DPX-MP3120/U5120/U5120S

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

EXPLODED VIEW (CD MECHANISM)

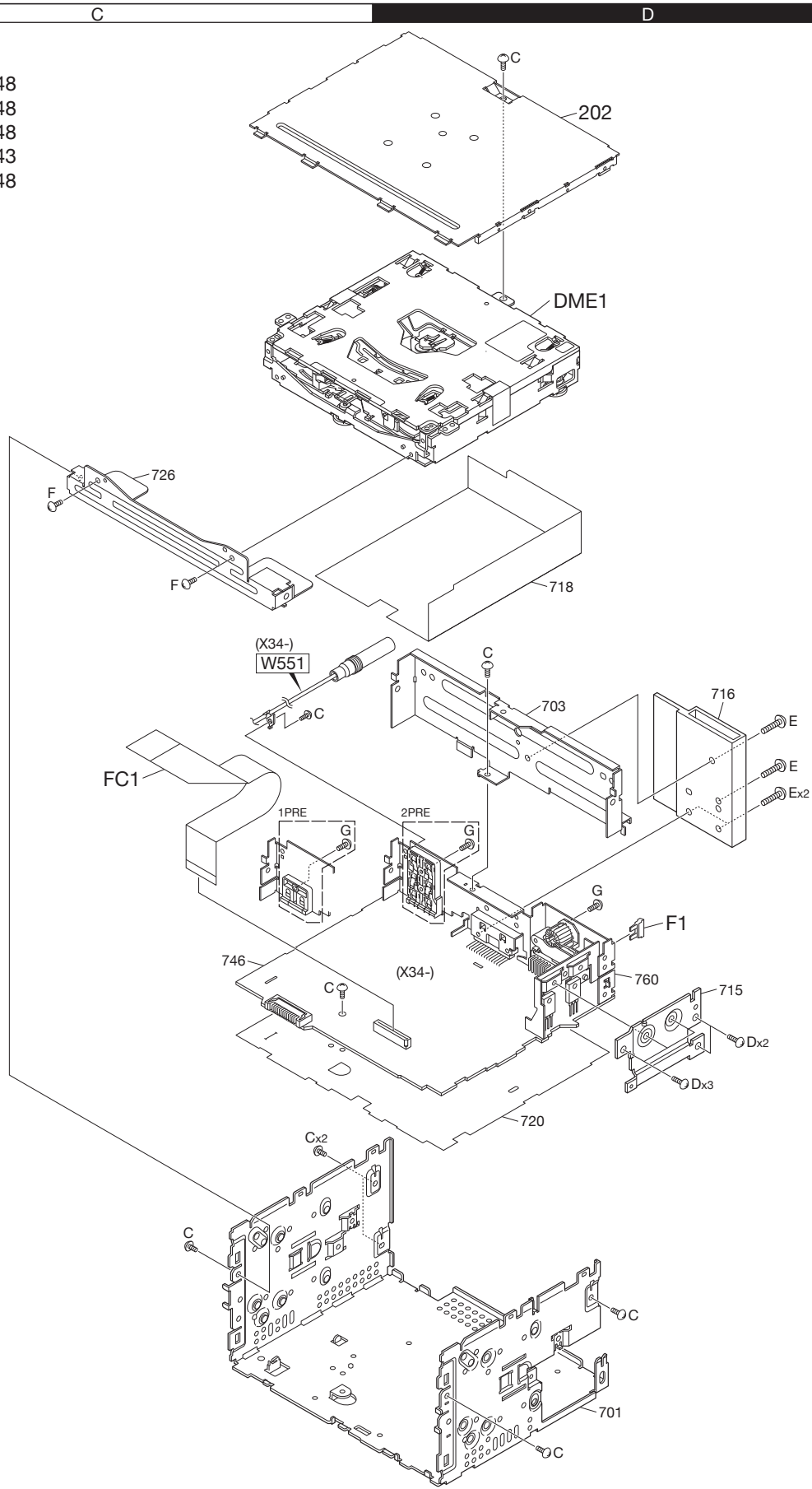
- A : N09-6108-15
- B : N09-6426-15
- C : N09-6735-05
- D : N09-6737-15
- E : N09-6738-15
- F : N19-2335-14
- G : N35-2003-48
- H : N39-1720-48



Parts with the exploded numbers larger than 700 are not supplied.

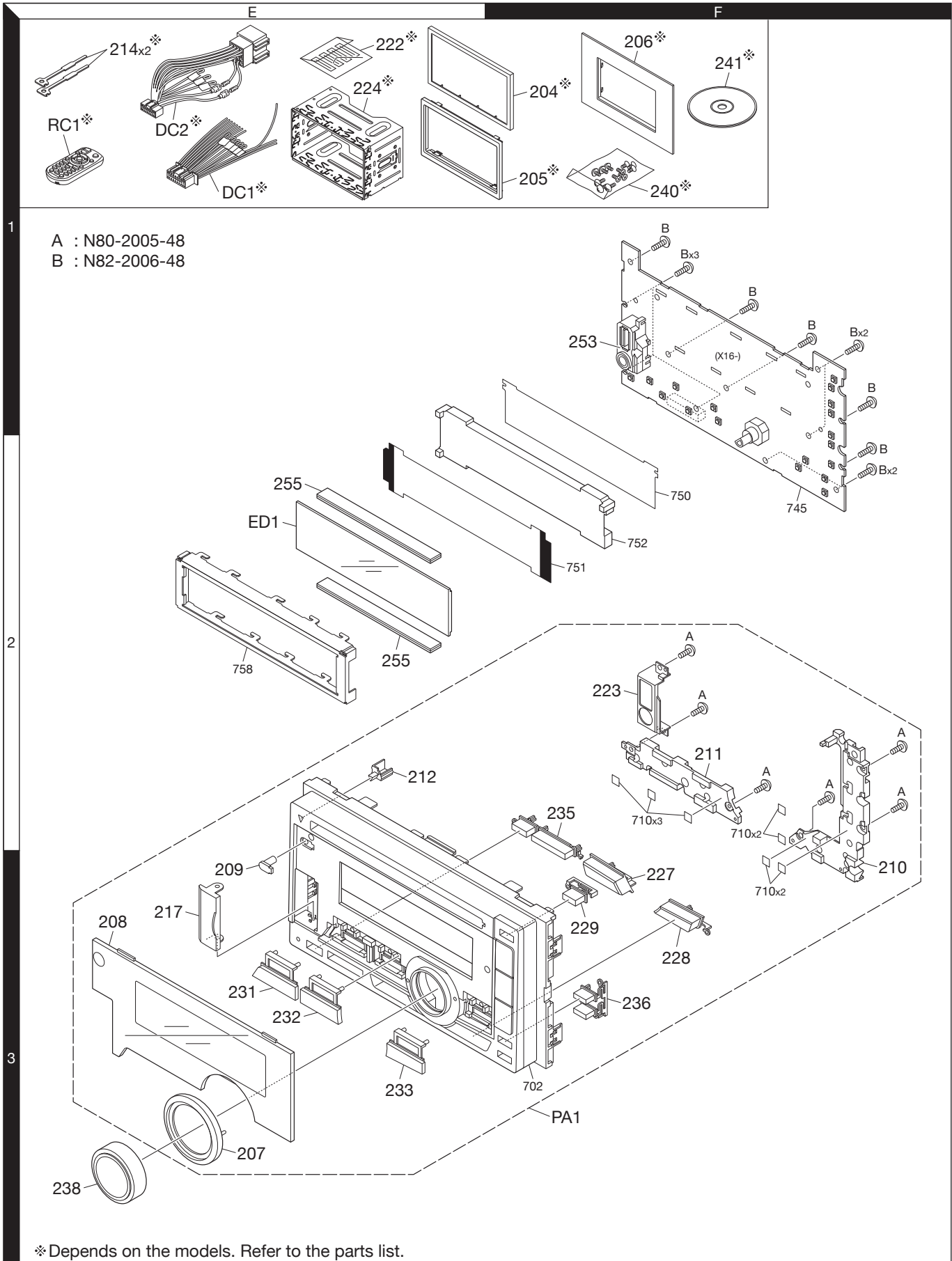
EXPLODED VIEW (UNIT)

- C : N83-3005-48
- D : N83-3008-48
- E : N83-3016-48
- F : N86-2604-43
- G : N80-3008-48



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (PANEL)



PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

| Ref. No. | Ad | New | Parts No. | Description | Destination |
|---|----|-----|-------------|---------------------------------|-------------|
| DPX304/308U/404U DPX-MP3120/U5120/U5120S | | | | | |
| 202 | 1D | * | A52-1159-02 | TOP PLATE | |
| PA1 | 3F | * | A64-5205-41 | PANEL ASSY | M1 |
| PA1 | 3F | * | A64-5206-41 | PANEL ASSY | M2 |
| PA1 | 3F | * | A64-5207-41 | PANEL ASSY | M3 |
| PA1 | 3F | * | A64-5209-41 | PANEL ASSY | E2 |
| PA1 | 3F | * | A64-5210-41 | PANEL ASSY | E3 |
| PA1 | 3F | * | A64-5267-41 | PANEL ASSY | K1 |
| RC1 | 1E | | A70-2104-05 | REMOTE CONTROLLER ASSY (RC-405) | M1M2K1 |
| RC1 | 1E | | A70-2104-05 | REMOTE CONTROLLER ASSY (RC-405) | M3 |
| - | | * | B59-2055-00 | SUB-INSTRUCTION MAN (EFGDISPRU) | E2E3 |
| - | | * | B59-2069-00 | SUB-INSTRUCTION MANUAL (EFS) | K1 |
| - | | * | B64-4805-00 | INSTRUCTION MANUAL (ENG.) | M1M2M3 |
| - | | * | B64-4806-00 | INSTRUCTION MANUAL (S-CHI.) | M1M2M3 |
| - | | * | B64-4807-00 | INSTRUCTION MANUAL (ARA.) | M1M2M3 |
| 204 | 1F | | B07-3025-02 | ESCUTCHEON | M1M2M3 |
| 205 | 1E | | B07-3165-02 | ESCUTCHEON | K1E2E3 |
| 206 | 1F | | B07-3172-12 | ESCUTCHEON | K1 |
| 207 | 3E | * | B07-3356-03 | ESCUTCHEON (RING) | E2 |
| 207 | 3E | * | B07-3356-03 | ESCUTCHEON (RING) | K1M1M2 |
| 207 | 3E | * | B07-3357-03 | ESCUTCHEON (RING) | M3E3 |
| 208 | 3E | * | B10-5416-01 | FRONT GLASS | M1M2 |
| 208 | 3E | * | B10-5418-01 | FRONT GLASS | M3 |
| 208 | 3E | * | B10-5420-01 | FRONT GLASS | E2 |
| 208 | 3E | * | B10-5421-01 | FRONT GLASS | E3 |
| 208 | 3E | * | B10-5451-01 | FRONT GLASS | K1 |
| 209 | 3E | * | B10-5424-04 | FRONT GLASS | |
| 210 | 3F | * | B19-2599-01 | LIGHTING BOARD | |
| 211 | 2F | * | B19-2601-02 | LIGHTING BOARD | |
| 212 | 2E | * | B19-2602-04 | LIGHTING BOARD (TRIANGLE) | |
| 214 | 1E | | D10-7012-04 | LEVER | K1E2E3 |
| △ DC1 | 1E | | E30-6939-05 | DC CORD | M1M2K1 |
| △ DC1 | 1E | | E30-6939-05 | DC CORD | M3 |
| △ DC2 | 1E | | E30-6940-05 | DC CORD | E2E3 |
| FC1 | 2C | * | E39-1216-05 | FLAT CABLE | |
| 217 | 3E | * | F07-2241-13 | COVER | |
| △ F1 | 2D | | F52-0023-05 | FUSE (MINI BLADE TYPE) 10A | |
| - | | * | H54-5006-03 | ITEM CARTON CASE | M1 |
| - | | * | H54-5007-03 | ITEM CARTON CASE | M2 |
| - | | * | H54-5008-03 | ITEM CARTON CASE | M3 |
| - | | * | H54-5010-03 | ITEM CARTON CASE | E2 |
| - | | * | H54-5011-03 | ITEM CARTON CASE | E3 |
| - | | * | H54-5087-03 | ITEM CARTON CASE | K1 |
| 222 | 1E | | H30-0595-04 | ADHESIVE DOUBLE-COATED TAPE | K1 |
| 223 | 2F | * | J19-7328-13 | HOLDER | |
| 224 | 1E | | J22-0429-13 | MOUNTING HARDWARE ASSY | K1E2E3 |
| 227 | 3F | * | K24-5094-03 | PUSH KNOB (B.BOOST) | M2 |
| 227 | 3F | * | K24-5118-03 | PUSH KNOB (B.BOOST) | M1E2K1 |
| 227 | 3F | * | K24-5118-03 | PUSH KNOB (B.BOOST) | M3E3 |
| 228 | 3F | * | K24-5095-03 | PUSH KNOB (BACK) | M1E2K1 |
| 228 | 3F | * | K24-5095-03 | PUSH KNOB (BACK) | M3E3 |

| Ref. No. | Ad | New | Parts No. | Description | Destination |
|----------------------------------|----|-----|---------------|-------------------------------|-------------|
| 228 | 3F | * | K24-5096-03 | PUSH KNOB (BACK) | M2 |
| 229 | 3F | * | K24-5097-03 | PUSH KNOB (EJECT) | M1E2K1 |
| 229 | 3F | * | K24-5097-03 | PUSH KNOB (EJECT) | M3E3 |
| 229 | 3F | * | K24-5098-03 | PUSH KNOB (EJECT) | M2 |
| 231 | 3E | * | K24-5105-03 | PUSH KNOB (SRC) | M2M3E3 |
| 231 | 3E | * | K24-5106-03 | PUSH KNOB (SRC) | M1E2K1 |
| 232 | 3C | * | K24-5107-03 | PUSH KNOB (IPOD) | M2 |
| 232 | 3C | * | K24-5108-03 | PUSH KNOB (IPOD) | M1E2K1 |
| 232 | 3C | * | K24-5117-03 | PUSH KNOB (PP) | M3E3 |
| 233 | 3C | * | K24-5109-03 | PUSH KNOB (SEARCH) | M2M3E3 |
| 233 | 3C | * | K24-5110-03 | PUSH KNOB (SEARCH) | M1E2K1 |
| 235 | 3F | * | K25-3109-03 | PUSH KNOB (BAND-TRACK) | M1E2K1 |
| 235 | 3F | * | K25-3109-03 | PUSH KNOB (BAND-TRACK) | M3E3 |
| 235 | 3F | * | K25-3110-03 | PUSH KNOB (BAND-TRACK) | M2 |
| 236 | 3F | * | K25-3111-03 | PUSH KNOB (DISP-ATT) | M1E2K1 |
| 236 | 3F | * | K25-3111-03 | PUSH KNOB (DISP-ATT) | M3E3 |
| 236 | 3F | * | K25-3112-03 | PUSH KNOB (DISP-ATT) | M2 |
| 238 | 3E | * | K28-0447-03 | KNOB ASSY (VOL) | E2 |
| 238 | 3E | * | K28-0447-03 | KNOB ASSY (VOL) | K1M1M2 |
| 238 | 3E | * | K28-0450-03 | KNOB ASSY (VOL) | M3E3 |
| 240 | 1E | | N99-1779-15 | SCREW SET | M1M2K1 |
| 240 | 1E | | N99-1779-15 | SCREW SET | M3 |
| A | 2F | | N80-2005-48 | PAN HEAD TAPTITE SCREW | |
| B | 1F | | N82-2006-48 | BINDING HEAD TAPTITE SCREW | |
| C | 3D | | N83-3005-48 | PAN HEAD TAPTITE SCREW | |
| D | 3D | | N83-3008-48 | PAN HEAD TAPTITE SCREW | |
| E | 3D | | N83-3016-48 | PAN HEAD TAPTITE SCREW | |
| F | 2C | | N86-2604-43 | BINDING HEAD TAPTITE SCREW | |
| 241 | 1F | * | W01-1794-05 | COMPACT DISC (MANUAL) | E2E3 |
| DME1 | 1D | | X92-6320-00 | CD MECHANISM ASSY (DXM-9B10W) | M3E3 |
| DME1 | 1D | | X92-6360-04 | CD MECHANISM ASSY (DXM-9B34W) | E2 |
| DME1 | 1D | | X92-6360-04 | CD MECHANISM ASSY (DXM-9B34W) | K1M1M2 |
| SWITCH UNIT (X16-7120-2x) | | | | | |
| 253 | 1F | * | B19-2597-02 | LIGHTING BOARD (USB) | E2 |
| 253 | 1F | * | B19-2597-02 | LIGHTING BOARD (USB) | K1M1M2 |
| 253 | 1F | * | B19-2598-02 | LIGHTING BOARD (AUX) | M3E3 |
| D4 -15 | | | NSSM065T-X | LIGHT EMITTING DIODE | |
| D16 ,17 | | | B30-1784-05 | LED (RGB SIDE) | |
| D18 | | | B30-1566-05 | LED (1608,RED) | |
| ED1 | 2E | * | B38-1230-05 | LCD | |
| C3 | | | CK73HB0J105K | CHIP C 1.0UF K | |
| C4 | | | CK73HB1A104K | CHIP C 0.10UF K | |
| C5 | | | CC73GCH1H102J | CHIP C 1000PF J | |
| C6 -8 | | | CK73HB1A104K | CHIP C 0.10UF K | |
| C9 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C11 | | | CK73HB1E103K | CHIP C 0.010UF K | |
| C12 | | | CC73HCH1H101J | CHIP C 100PF J | |
| C13 | | | CK73FB0J106K | CHIP C 10UF K | E2 |
| C13 | | | CK73FB0J106K | CHIP C 10UF K | K1M1M2 |
| 255 | 2E | * | E29-2066-04 | CONDUCTIVE RUBBER | |
| CN1 | | | E41-3258-05 | SOCKET FOR PIN ASSY | |
| J1 | | | QNZ1057-001 | USB CONNECTOR | E2 |
| J1 | | | QNZ1057-001 | USB CONNECTOR | K1M1M2 |

E2: DPX404U **E3:** DPX304 (Europe) **K1:** DPX308U (North America)
M1: DPX-U5120 **M2:** DPX-U5120S **M3:** DPX-MP3120 (Other Areas)

△ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-7120-2x)

| Ref. No. | Add | New | Parts No. | Description | Destination |
|---|-----|-----|---------------|-----------------------|-------------|
| J2 | | | QNS0308-001 | DIA 3.5 TYPE JACK | |
| L1 | | | L92-0616-05 | CHIP FERRITE | E2 |
| L1 | | | L92-0616-05 | CHIP FERRITE | K1M1M2 |
| CP1 -3 | | | RK74HB1J102J | CHIP-COM 1.0K J 1/16W | |
| R10 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R16 | | | RK73EB2E821J | CHIP R 820 J 1/4W | |
| R18 ,19 | | | RK73HB1J101J | CHIP R 100 J 1/16W | |
| R20 | | | RK73HB1J222J | CHIP R 2.2K J 1/16W | |
| R21 | | | RK73HB1J102J | CHIP R 1.0K J 1/16W | |
| R22 ,23 | | | RK73HB1J222J | CHIP R 2.2K J 1/16W | |
| R27 | | | RK73HB1J103J | CHIP R 10K J 1/16W | |
| R28 | | | RK73GB2A431J | CHIP R 430 J 1/10W | |
| R29 | | | RK73EB2E201J | CHIP R 200 J 1/4W | |
| R30 | | | RK73EB2E391J | CHIP R 390 J 1/4W | |
| R31 | | | RK73GB2A431J | CHIP R 430 J 1/10W | |
| R32 | | | RK73EB2E201J | CHIP R 200 J 1/4W | |
| R33 | | | RK73EB2E391J | CHIP R 390 J 1/4W | |
| R34 ,35 | | | RK73GB2A431J | CHIP R 430 J 1/10W | |
| R36 ,37 | | | RK73EB2E201J | CHIP R 200 J 1/4W | |
| R38 ,39 | | | RK73EB2E391J | CHIP R 390 J 1/4W | |
| R40 | | | RK73GB2A431J | CHIP R 430 J 1/10W | |
| R41 | | | RK73EB2E201J | CHIP R 200 J 1/4W | |
| R42 | | | RK73EB2E391J | CHIP R 390 J 1/4W | |
| R43 | | | RK73GB2A431J | CHIP R 430 J 1/10W | |
| R44 | | | RK73EB2E201J | CHIP R 200 J 1/4W | |
| R45 | | | RK73EB2E391J | CHIP R 390 J 1/4W | |
| R46 | | | RK73GB2A561J | CHIP R 560 J 1/10W | |
| R47 | | | RK73EB2E361J | CHIP R 360 J 1/4W | |
| R48 | | | RK73EB2E181J | CHIP R 180 J 1/4W | |
| R49 ,50 | | | RK73HB1J330J | CHIP R 33 J 1/16W | E2 |
| R49 ,50 | | | RK73HB1J330J | CHIP R 33 J 1/16W | K1M1M2 |
| R51 ,52 | | | RK73HB1J123J | CHIP R 12K J 1/16W | |
| R54 ,55 | | | RK73EB2E100J | CHIP R 10 J 1/4W | |
| R56 | | | RK73EB2E4R7J | CHIP R 4.7 J 1/4W | |
| R57 | | | RK73HB1J393J | CHIP R 39K J 1/16W | |
| S2 -19 | | | NSW0326-001X | TACT SWITCH | |
| S1 | | | T99-0484-05 | ROTARY ENCODER | |
| D1 ,2 | | | LVS10C270S030 | VARISTOR | E2 |
| D1 ,2 | | | LVS10C270S030 | VARISTOR | K1M1M2 |
| D3 | | | DA204U | DIODE | E2 |
| D3 | | | DA204U | DIODE | K1M1M2 |
| IC1 | | * | PT6530 | MOS-IC | |
| IC2 | | | PIC95603 | ANALOGUE IC | |
| Q1 | | | RT1N436M-T111 | TRANSISTOR | |
| Q2 ,3 | | | RT1N237M-T111 | TRANSISTOR | |
| Q4 | | | RT1N436M-T111 | TRANSISTOR | |
| Q5 ,6 | | | RT1N237M-T111 | TRANSISTOR | |
| Q7 -9 | | | RT1N436M-T111 | TRANSISTOR | |
| Q10 | | | RT1P141M-T111 | TRANSISTOR | |
| CD PLAYER UNIT (X32-6240-00/6260-01) | | | | | |
| C1 | | | CK73FB0J106K | CHIP C 10UF K | M3E3 |

| Ref. No. | Add | New | Parts No. | Description | Destination |
|----------|-----|-----|---------------|------------------|-------------|
| C1 ,2 | | | CK73GB1A105K | CHIP C 1.0UF K | E2 |
| C1 ,2 | | | CK73GB1A105K | CHIP C 1.0UF K | K1M1M2 |
| C3 | | | CC73GCH1H680J | CHIP C 68PF J | M3E3 |
| C3 | | | CK73GB1A474K | CHIP C 0.47UF K | E2 |
| C3 | | | CK73GB1A474K | CHIP C 0.47UF K | K1M1M2 |
| C4 | | | CK73GB1A105K | CHIP C 1.0UF K | M3E3 |
| C4 -7 | | | CK73GB1A105K | CHIP C 1.0UF K | E2 |
| C4 -7 | | | CK73GB1A105K | CHIP C 1.0UF K | K1M1M2 |
| C6 | | | CK73FB1C105K | CHIP C 1.0UF K | M3E3 |
| C8 | | | CK73GB1H222K | CHIP C 2200PF K | M3E3 |
| C9 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 |
| C9 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 |
| C9 ,10 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 |
| C11 | | | CK73GB1H153K | CHIP C 0.015UF K | |
| C12 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 |
| C12 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 |
| C12 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 |
| C13 | | | CK73GB1H332K | CHIP C 3300PF K | M3E3 |
| C14 | | | CK73GB1H103K | CHIP C 0.010UF K | M3E3 |
| C15 | | | CK73GB1H333K | CHIP C 0.033UF K | M3E3 |
| C16 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 |
| C18 | | | CK73GB1H153K | CHIP C 0.015UF K | M3E3 |
| C19 | | | CK73GB1H103K | CHIP C 0.010UF K | M3E3 |
| C20 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 |
| C21 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 |
| C21 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 |
| C22 | | | CC73GCH1H220J | CHIP C 22PF J | E2 |
| C22 | | | CC73GCH1H220J | CHIP C 22PF J | K1M1M2 |
| C22 | | | CK73GB1H103K | CHIP C 0.010UF K | M3E3 |
| C23 | | | CC73GCH1H180J | CHIP C 18PF J | E2 |
| C23 | | | CC73GCH1H180J | CHIP C 18PF J | K1M1M2 |
| C23 | | | CK73GB1H153K | CHIP C 0.015UF K | M3E3 |
| C24 | | | CC73GCH1H470J | CHIP C 47PF J | M3E3 |
| C24 ,25 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 |
| C24 ,25 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 |
| C25 -27 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 |
| C26 | | | CK73FB0J106K | CHIP C 10UF K | E2 |
| C26 | | | CK73FB0J106K | CHIP C 10UF K | K1M1M2 |
| C27 | | | CK73GB1A105K | CHIP C 1.0UF K | E2 |
| C27 | | | CK73GB1A105K | CHIP C 1.0UF K | K1M1M2 |
| C28 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 |
| C28 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 |
| C29 | | | CK73FB0J106K | CHIP C 10UF K | E2 |
| C29 | | | CK73FB0J106K | CHIP C 10UF K | K1M1M2 |
| C29 | | | CK73GB1A105K | CHIP C 1.0UF K | M3E3 |
| C30 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 |
| C30 -33 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 |
| C30 -33 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 |
| C31 ,32 | | | CK73GB1A105K | CHIP C 1.0UF K | M3E3 |
| C34 ,35 | | | CC73GCH1H150J | CHIP C 15PF J | E2 |
| C34 ,35 | | | CC73GCH1H150J | CHIP C 15PF J | K1M1M2 |
| C36 | | | CK73GB1A105K | CHIP C 1.0UF K | M3E3 |
| C36 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 |
| C36 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 |
| C37 | | | CK73GB1A105K | CHIP C 1.0UF K | E2 |

E2: DPX404U E3: DPX304 (Europe) K1: DPX308U (North America)
M1: DPX-U5120 M2: DPX-U5120S M3: DPX-MP3120 (Other Areas)

△ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-6240-00/6260-01)

| Ref. No. | Add | New | Parts No. | Description | Destination | Ref. No. | Add | New | Parts No. | Description | Destination |
|----------|-----|-----|---------------|------------------|-------------|----------|-----|-----|---------------|---------------------------------|-------------|
| C37 | | | CK73GB1A105K | CHIP C 1.0UF K | K1M1M2 | C75 -77 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 |
| C38 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 | C75 -77 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 |
| C38 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 | C78 | | | CK73GB1A105K | CHIP C 1.0UF K | E2 |
| C41 ,42 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 | C78 | | | CK73GB1A105K | CHIP C 1.0UF K | K1M1M2 |
| C43 ,44 | | | CK73GB1H102K | CHIP C 1000PF K | M3E3 | C79 -81 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 |
| C45 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 | C79 -81 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 |
| C46 | | | CK73GB1A105K | CHIP C 1.0UF K | M3E3 | C83 | | | CC73GCH1H470J | CHIP C 47PF J | E2 |
| C47 | | | CC73GCH1H560J | CHIP C 56PF J | M3E3 | C83 | | | CC73GCH1H470J | CHIP C 47PF J | K1M1M2 |
| C48 | | | CC73GCH1H101J | CHIP C 100PF J | M3E3 | C84 | | | CK73GB1H153K | CHIP C 0.015UF K | E2 |
| C49 | | | CK73GB1A474K | CHIP C 0.47UF K | M3E3 | C84 | | | CK73GB1H153K | CHIP C 0.015UF K | K1M1M2 |
| C50 | | | CK73FB1A225K | CHIP C 2.2UF K | M3E3 | C85 | | | CK73GB1A105K | CHIP C 1.0UF K | E2 |
| C51 | | | CK73FB0J106K | CHIP C 10UF K | M3E3 | C85 | | | CK73GB1A105K | CHIP C 1.0UF K | K1M1M2 |
| C51 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 | C86 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 |
| C51 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 | C86 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 |
| C52 | | | CK73GB1H222K | CHIP C 2200PF K | E2 | C92 | | | CK73FB1A225K | CHIP C 2.2UF K | E2 |
| C52 | | | CK73GB1H222K | CHIP C 2200PF K | K1M1M2 | C92 | | | CK73FB1A225K | CHIP C 2.2UF K | K1M1M2 |
| C53 | | | CK73FB1C105K | CHIP C 1.0UF K | E2 | C93 | | | CC73GCH1H101J | CHIP C 100PF J | E2 |
| C53 | | | CK73FB1C105K | CHIP C 1.0UF K | K1M1M2 | C93 | | | CC73GCH1H101J | CHIP C 100PF J | K1M1M2 |
| C54 | | | CK73FB0J106K | CHIP C 10UF K | M3E3 | C94 | | | CC73GCH1H560J | CHIP C 56PF J | E2 |
| C54 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 | C94 | | | CC73GCH1H560J | CHIP C 56PF J | K1M1M2 |
| C54 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 | C101,102 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 |
| C55 | | | CK73GB1H332K | CHIP C 3300PF K | E2 | C101,102 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 |
| C55 | | | CK73GB1H332K | CHIP C 3300PF K | K1M1M2 | C113 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 |
| C56 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 | C113 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 |
| C56 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 | CN1 | | | E41-2954-05 | FLAT CABLE CONNECTOR | |
| C57 | | | CK73GB1C104K | CHIP C 0.10UF K | M3E3 | CN2 | | | E41-2083-15 | FLAT CABLE CONNECTOR | |
| C57 | | | CK73GB1H153K | CHIP C 0.015UF K | E2 | X1 | | | L77-2964-05 | CRYSTAL RESONATOR (9.00MHZ) | E2 |
| C57 | | | CK73GB1H153K | CHIP C 0.015UF K | K1M1M2 | X1 | | | L77-2964-05 | CRYSTAL RESONATOR (9.00MHZ) | K1M1M2 |
| C58 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 | X1 | | | L78-1221-05 | RESONATOR (16.93MHZ) | M3E3 |
| C58 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 | X2 | | | L77-2921-15 | CRYSTAL RESONATOR (32.768KHZ, 1 | E2 |
| C59 | | | CC73GCH1H680J | CHIP C 68PF J | E2 | X2 | | | L77-2921-15 | CRYSTAL RESONATOR (32.768KHZ, 1 | K1M1M2 |
| C59 | | | CC73GCH1H680J | CHIP C 68PF J | K1M1M2 | X3 | | | L78-1221-05 | RESONATOR (16.93MHZ) | E2 |
| C59 | | | CK73GB1H472K | CHIP C 4700PF K | M3E3 | X3 | | | L78-1221-05 | RESONATOR (16.93MHZ) | K1M1M2 |
| C60 | | | CK73GB1C224K | CHIP C 0.22UF K | M3E3 | CP7 -9 | | | RK74GB1J103J | CHIP-COM 10K J 1/16W | M3E3 |
| C61 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 | CP10 | | | RK74GA1J101J | CHIP-COM 100 J 1/16W | E2 |
| C62 | | | CK73FB0J106K | CHIP C 10UF K | E2 | CP10 | | | RK74GA1J101J | CHIP-COM 100 J 1/16W | E2 |
| C62 | | | CK73FB0J106K | CHIP C 10UF K | K1M1M2 | CP10 | | | RK74GA1J101J | CHIP-COM 100 J 1/16W | K1M1M2 |
| C63 | | | CK73GB1H333K | CHIP C 0.033UF K | E2 | CP11,12 | | | RK74GB1J101J | CHIP-COM 100 J 1/16W | E2 |
| C63 | | | CK73GB1H333K | CHIP C 0.033UF K | K1M1M2 | CP11,12 | | | RK74GB1J101J | CHIP-COM 100 J 1/16W | K1M1M2 |
| C64 | | | CK73GB1H472K | CHIP C 4700PF K | E2 | CP15 | | | RK74GB1J103J | CHIP-COM 10K J 1/16W | E2 |
| C64 | | | CK73GB1H472K | CHIP C 4700PF K | K1M1M2 | CP15 | | | RK74GB1J103J | CHIP-COM 10K J 1/16W | K1M1M2 |
| C65 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 | CP22 | | | RK74GB1J103J | CHIP-COM 10K J 1/16W | E2 |
| C65 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 | CP22 | | | RK74GB1J103J | CHIP-COM 10K J 1/16W | K1M1M2 |
| C66 | | | CK73GB1H153K | CHIP C 0.015UF K | E2 | R1 | | | RK73GB2A560J | CHIP R 56 J 1/10W | M3E3 |
| C66 | | | CK73GB1H153K | CHIP C 0.015UF K | K1M1M2 | R1 ,2 | | | RK73EB2E4R7J | CHIP R 4.7 J 1/4W | E2 |
| C67 | | | CK73GB1H103K | CHIP C 0.010UF K | E2 | R1 ,2 | | | RK73EB2E4R7J | CHIP R 4.7 J 1/4W | K1M1M2 |
| C67 | | | CK73GB1H103K | CHIP C 0.010UF K | K1M1M2 | R2 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | M3E3 |
| C68 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 | R3 | | | RK73GB2A202J | CHIP R 2.0K J 1/10W | E2 |
| C68 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 | R3 | | | RK73GB2A202J | CHIP R 2.0K J 1/10W | K1M1M2 |
| C69 | | | CK73FB0J106K | CHIP C 10UF K | E2 | R3 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | M3E3 |
| C69 | | | CK73FB0J106K | CHIP C 10UF K | K1M1M2 | R4 | | | RK73GB2A103J | CHIP R 10K J 1/10W | E2 |
| C71 | | | CK73FB0J106K | CHIP C 10UF K | E2 | R4 | | | RK73GB2A103J | CHIP R 10K J 1/10W | K1M1M2 |
| C71 | | | CK73FB0J106K | CHIP C 10UF K | K1M1M2 | R4 | | | RK73GB2A104J | CHIP R 100K J 1/10W | M3E3 |
| C73 ,74 | | | CK73GB1H102K | CHIP C 1000PF K | E2 | R5 | | | RK73GB2A225J | CHIP R 2.2M J 1/10W | M3E3 |
| C73 ,74 | | | CK73GB1H102K | CHIP C 1000PF K | K1M1M2 | | | | | | |

E2: DPX404U E3: DPX304 (Europe) K1: DPX308U (North America)
M1: DPX-U5120 M2: DPX-U5120S M3: DPX-MP3120 (Other Areas)

△ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-6240-00/6260-01)

| Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation |
|----------|-------------|-------------|--------------|---------------------|------------------|
| R6 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | M3E3 |
| R7 | | | RK73GB2A221J | CHIP R 220 J 1/10W | M3E3 |
| R8 | | | RK73GB2A622J | CHIP R 6.2K J 1/10W | M3E3 |
| R9 | | | RK73GB2A913J | CHIP R 91K J 1/10W | M3E3 |
| R10 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E2 |
| R10 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | K1M1M2 |
| R10 | | | RK73GB2A334J | CHIP R 330K J 1/10W | M3E3 |
| R11 | | | RK73GB2A153J | CHIP R 15K J 1/10W | M3E3 |
| R13 | | | RK73GB2A333J | CHIP R 33K J 1/10W | M3E3 |
| R14 | | | RK73GB2A103J | CHIP R 10K J 1/10W | M3E3 |
| R15 | | | RK73GB2A183J | CHIP R 18K J 1/10W | M3E3 |
| R16 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | M3E3 |
| R17 ,18 | | | RK73GB2A103J | CHIP R 10K J 1/10W | M3E3 |
| R19 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R19 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R19 ,20 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | M3E3 |
| R21 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | E2 |
| R21 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | K1M1M2 |
| R21 | | | RK73GB2A103J | CHIP R 10K J 1/10W | M3E3 |
| R23 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R23 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R24 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R24 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R25 | | | RK73GB2A103J | CHIP R 10K J 1/10W | M3E3 |
| R25 | | | RK73GB2A104J | CHIP R 100K J 1/10W | E2 |
| R25 | | | RK73GB2A104J | CHIP R 100K J 1/10W | K1M1M2 |
| R26 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | E2 |
| R26 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | K1M1M2 |
| R27 | | | RK73EB2E4R7J | CHIP R 4.7 J 1/4W | M3E3 |
| R27 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R27 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R28 ,29 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | E2 |
| R28 ,29 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | K1M1M2 |
| R29 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | M3E3 |
| R30 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R30 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R31 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E2 |
| R31 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | K1M1M2 |
| R33 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R33 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R36 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | E2 |
| R36 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | K1M1M2 |
| R38 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | E2 |
| R38 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | K1M1M2 |
| R39 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | M3E3 |
| R40 | | | RK73GB2A681J | CHIP R 680 J 1/10W | M3E3 |
| R41 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R41 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R43 ,44 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | M3E3 |
| R44 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R44 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R45 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R45 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R47 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E2 |
| R47 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | K1M1M2 |

| Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation |
|----------|-------------|-------------|--------------|---------------------|------------------|
| R48 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | E2 |
| R48 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | K1M1M2 |
| R49 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | E2 |
| R49 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | K1M1M2 |
| R49 | | | RK73GB2A393J | CHIP R 39K J 1/10W | M3E3 |
| R50 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R50 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R50 | | | RK73GB2A363J | CHIP R 36K J 1/10W | M3E3 |
| R51 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | E2 |
| R52 | | | RK73GB2A100J | CHIP R 10 J 1/10W | E2 |
| R52 | | | RK73GB2A100J | CHIP R 10 J 1/10W | K1M1M2 |
| R52 -58 | | | RK73GB2A101J | CHIP R 100 J 1/10W | M3E3 |
| R53 | | | RK73GB2A153J | CHIP R 15K J 1/10W | E2 |
| R53 | | | RK73GB2A153J | CHIP R 15K J 1/10W | K1M1M2 |
| R54 | | | RK73GB2A100J | CHIP R 10 J 1/10W | E2 |
| R54 | | | RK73GB2A100J | CHIP R 10 J 1/10W | K1M1M2 |
| R55 | | | RK73GB2A153J | CHIP R 15K J 1/10W | E2 |
| R55 | | | RK73GB2A153J | CHIP R 15K J 1/10W | K1M1M2 |
| R57 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R57 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R58 ,59 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R58 ,59 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R59 | | | RK73GB2A204J | CHIP R 200K J 1/10W | M3E3 |
| R63 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R63 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R64 | | | RK73GB2A223J | CHIP R 22K J 1/10W | M3E3 |
| R65 | | | RK73GB2A333J | CHIP R 33K J 1/10W | M3E3 |
| R65 ,66 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | E2 |
| R65 ,66 | | | RK73GB2A332J | CHIP R 3.3K J 1/10W | K1M1M2 |
| R67 -69 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R67 -69 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R70 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R70 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R81 ,82 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R81 ,82 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R84 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R84 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R86 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R86 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R88 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R88 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R90 -94 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R90 -94 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R95 -98 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R95 -98 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R101 | | | RK73GB2A221J | CHIP R 220 J 1/10W | E2 |
| R101 | | | RK73GB2A221J | CHIP R 220 J 1/10W | K1M1M2 |
| R102 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | E2 |
| R102 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | K1M1M2 |
| R103 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | E2 |
| R103 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | K1M1M2 |
| R104 | | | RK73GB2A225J | CHIP R 2.2M J 1/10W | E2 |
| R104 | | | RK73GB2A225J | CHIP R 2.2M J 1/10W | K1M1M2 |
| R105 | | | RK73GB2A104J | CHIP R 100K J 1/10W | E2 |
| R105 | | | RK73GB2A104J | CHIP R 100K J 1/10W | K1M1M2 |

E2: DPX404U E3: DPX304 (Europe) K1: DPX308U (North America)
M1: DPX-U5120 M2: DPX-U5120S M3: DPX-MP3120 (Other Areas)

△Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-6240-00/6260-01)

| Ref. No. | Add | New | Parts No. | Description | Destination |
|----------|-----|-----|---------------|-----------------------------|-------------|
| R106 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | E2 |
| R106 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | K1M1M2 |
| R107 | | | RK73GB2A560J | CHIP R 56 J 1/10W | E2 |
| R107 | | | RK73GB2A560J | CHIP R 56 J 1/10W | K1M1M2 |
| R108 | | | RK73GB2A333J | CHIP R 33K J 1/10W | E2 |
| R108 | | | RK73GB2A333J | CHIP R 33K J 1/10W | K1M1M2 |
| R109 | | | RK73GB2A622J | CHIP R 6.2K J 1/10W | E2 |
| R109 | | | RK73GB2A622J | CHIP R 6.2K J 1/10W | K1M1M2 |
| R110 | | | RK73GB2A913J | CHIP R 91K J 1/10W | E2 |
| R110 | | | RK73GB2A913J | CHIP R 91K J 1/10W | K1M1M2 |
| R112,113 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | E2 |
| R112,113 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | K1M1M2 |
| R115 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | E2 |
| R115 | | | RK73GB2A105J | CHIP R 1.0M J 1/10W | K1M1M2 |
| R116 | | | RK73GB2A681J | CHIP R 680 J 1/10W | E2 |
| R116 | | | RK73GB2A681J | CHIP R 680 J 1/10W | K1M1M2 |
| R117-121 | | | RK73GB2A103J | CHIP R 10K J 1/10W | E2 |
| R117-121 | | | RK73GB2A103J | CHIP R 10K J 1/10W | K1M1M2 |
| R123 | | | RK73GB2A104J | CHIP R 100K J 1/10W | E2 |
| R123 | | | RK73GB2A104J | CHIP R 100K J 1/10W | K1M1M2 |
| R127 | | | RK73GB2A153J | CHIP R 15K J 1/10W | E2 |
| R127 | | | RK73GB2A153J | CHIP R 15K J 1/10W | K1M1M2 |
| R128 | | | RK73GB2A334J | CHIP R 330K J 1/10W | E2 |
| R128 | | | RK73GB2A334J | CHIP R 330K J 1/10W | K1M1M2 |
| R131 | | | RK73GB2A204J | CHIP R 200K J 1/10W | E2 |
| R131 | | | RK73GB2A204J | CHIP R 200K J 1/10W | K1M1M2 |
| R132 | | | RK73GB2A101J | CHIP R 100 J 1/10W | E2 |
| R132 | | | RK73GB2A101J | CHIP R 100 J 1/10W | K1M1M2 |
| R136 | | | RK73GB2A363J | CHIP R 36K J 1/10W | E2 |
| R136 | | | RK73GB2A363J | CHIP R 36K J 1/10W | K1M1M2 |
| R137 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R137 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R139 | | | RK73GB2A393J | CHIP R 39K J 1/10W | E2 |
| R139 | | | RK73GB2A393J | CHIP R 39K J 1/10W | K1M1M2 |
| R151 | | | RK73GB2A333J | CHIP R 33K J 1/10W | E2 |
| R151 | | | RK73GB2A333J | CHIP R 33K J 1/10W | K1M1M2 |
| R152 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R152 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R173-178 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | E2 |
| R173-178 | | | RK73GB2A2R2J | CHIP R 2.2 J 1/10W | K1M1M2 |
| R180 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | E2 |
| R180 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | K1M1M2 |
| S1 ,2 | | | S68-0924-05 | PUSH SWITCH | |
| D1 | | | DAP202U | DIODE | E2 |
| D1 | | | DAP202U | DIODE | K1M1M2 |
| D1 | | | DA204U | DIODE | M3E3 |
| D2 | | | DAP202U | DIODE | M3E3 |
| D2 ,3 | | | DA204U | DIODE | E2 |
| D2 ,3 | | | DA204U | DIODE | K1M1M2 |
| D3 ,4 | | | DA204U | DIODE | M3E3 |
| IC1 | | | 92CD28AFG7EG0 | MICROCONTROLLER IC | E2 |
| IC1 | | | 92CD28AFG7EG0 | MICROCONTROLLER IC | K1M1M2 |
| IC2 | * | | JCV8023 | INTEGRATED CIRCUIT (MOS-IC) | E2 |

| Ref. No. | Add | New | Parts No. | Description | Destination |
|------------------------------------|-----|-----|---------------|-----------------------------|-------------|
| IC2 | | * | JCV8023 | INTEGRATED CIRCUIT (MOS-IC) | K1M1M2 |
| IC3 | | | BD8222EFV | ANALOGUE IC | |
| IC4 | | | MFI341S2162 | MICROPROCESSOR IC | E2 |
| IC4 | | | MFI341S2162 | MICROPROCESSOR IC | K1M1M2 |
| IC4 | | | TC94A92FG-001 | MOS-IC | M3E3 |
| IC5 | | | XC6415S001P1 | MOS-IC | M3E3 |
| IC5 | | | 74AHCT08PW | MOS-IC | E2 |
| IC5 | | | 74AHCT08PW | MOS-IC | K1M1M2 |
| IC6 | | | 74LVC08APW | MOS-IC | E2 |
| IC6 | | | 74LVC08APW | MOS-IC | K1M1M2 |
| IC7 | | | XC6415S001P1 | MOS-IC | E2 |
| IC7 | | | XC6415S001P1 | MOS-IC | K1M1M2 |
| IC9 | | | XC6219B332MR | ANALOGUE IC | E2 |
| IC9 | | | XC6219B332MR | ANALOGUE IC | K1M1M2 |
| Q1 | | | 2SA2188-T1(E) | TRANSISTOR | M3E3 |
| Q3 | | | RUE003N02 | FET | E2 |
| Q3 | | | RUE003N02 | FET | K1M1M2 |
| Q5 | | | 2SA1577 | TRANSISTOR | E2 |
| Q5 | | | 2SA1577 | TRANSISTOR | K1M1M2 |
| Q6 | | | DTC114YUA | DIGITAL TRANSISTOR | E2 |
| Q6 | | | DTC114YUA | DIGITAL TRANSISTOR | K1M1M2 |
| Q7 | | | 2SA2188-T1(E) | TRANSISTOR | E2 |
| Q7 | | | 2SA2188-T1(E) | TRANSISTOR | K1M1M2 |
| Q9 | | | DTC144EUA | DIGITAL TRANSISTOR | E2 |
| Q9 | | | DTC144EUA | DIGITAL TRANSISTOR | K1M1M2 |
| Q10 -12 | | | UM6K1N | DUAL FET | M3E3 |
| Q13 | | | DTC114YUA | DIGITAL TRANSISTOR | M3E3 |
| Q14 | | | RJU003N03 | FET | M3E3 |
| ELECTRIC UNIT (X34-700x-xx) | | | | | |
| C13 | | | CD04AZ1C332M2 | ELECTRO 3300UF 16WV | |
| C20 | | | CD04AR1C221M | ELECTRO 220UF 16WV | |
| C21 | | | CK73GB1A105K | CHIP C 1.0UF K | |
| C22 | | | CC73GCH1H470J | CHIP C 47PF J | |
| C23 | | | CC73GCH1H102J | CHIP C 1000PF J | |
| C30 | | | CD04AS1C101M | ELECTRO 100UF 16WV | |
| C31 | | | CK73FB0J106K | CHIP C 10UF K | |
| C33 | | | C90-6851-05 | ELECTRO 220UF 25WV | |
| C41 | | | CK73GB1C104K | CHIP C 0.10UF K | |
| C42 | | | CK73GB1A105K | CHIP C 1.0UF K | |
| C52 | | | CD04AS1C220M | ELECTRO 22UF 16WV | |
| C54 | | | CK73GB1C104K | CHIP C 0.10UF K | |
| C71 | | | CK73FB0J106K | CHIP C 10UF K | E2 |
| C71 | | | CK73FB0J106K | CHIP C 10UF K | K1M1M2 |
| C72 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 |
| C72 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 |
| C73 | | | CK73GB1A474K | CHIP C 0.47UF K | E2 |
| C73 | | | CK73GB1A474K | CHIP C 0.47UF K | K1M1M2 |
| C74 | | | CK73EB1H475K | CHIP C 4.7UF K | E2 |
| C74 | | | CK73EB1H475K | CHIP C 4.7UF K | K1M1M2 |
| C75 | | | CK73GB1H102K | CHIP C 1000PF K | E2 |
| C75 | | | CK73GB1H102K | CHIP C 1000PF K | K1M1M2 |
| C76 ,77 | | | CK73GB1H104K | CHIP C 0.10UF K | E2 |
| C76 ,77 | | | CK73GB1H104K | CHIP C 0.10UF K | K1M1M2 |
| C78 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 |

E2: DPX404U E3: DPX304 (Europe) K1: DPX308U (North America)
M1: DPX-U5120 M2: DPX-U5120S M3: DPX-MP3120 (Other Areas)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-700x-xx)

| Ref. No. | Ad | New | Parts No. | Description | Destination | Ref. No. | Ad | New | Parts No. | Description | Destination |
|----------|----|-----|---------------|---------------------|-------------|----------|----|-----|---------------|------------------------------|-------------|
| C78 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 | C512-514 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C79 | | | CC73GCH1H220J | CHIP C 22PF J | E2 | C515 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C79 | | | CC73GCH1H220J | CHIP C 22PF J | K1M1M2 | C516 | | | CK73GB1H103K | CHIP C 0.010UF K | |
| C81,82 | | | CK73GB1H103K | CHIP C 0.010UF K | | C517 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C83 | | | CK73GB1A105K | CHIP C 1.0UF K | E2 | C518 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C83 | | | CK73GB1A105K | CHIP C 1.0UF K | K1M1M2 | C519 | | | CD04AB1C470M | ELECTRO 47UF 16WV | |
| C100 | | | CK73GB1H104K | CHIP C 0.10UF K | | C520 | | | CK73GB1H104K | CHIP C 0.10UF K | |
| C101 | | | CK73GB1A105K | CHIP C 1.0UF K | | C523 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C102 | | | CK73FB1A335K | CHIP C 3.3UF K | | C524 | | | CK73GB1C224K | CHIP C 0.22UF K | |
| C121 | | | CK73GB1A105K | CHIP C 1.0UF K | | C525 | | | CC73GCH1H270J | CHIP C 27PF J | |
| C122 | | | CK73GB1H223K | CHIP C 0.022UF K | | C527 | | | CC73GCH1H150J | CHIP C 15PF J | |
| C123 | | | CK73GB1H103K | CHIP C 0.010UF K | | C528 | | | CC73GCH1H471J | CHIP C 470PF J | |
| C143 | | | CK73GB1C104K | CHIP C 0.10UF K | E2 | C530 | | | CK73GB1H102K | CHIP C 1000PF K | |
| C143 | | | CK73GB1C104K | CHIP C 0.10UF K | K1M1M2 | C531 | | | CC73GCH1H070D | CHIP C 7.0PF D | |
| C144 | | | CD04BR1C221M | ELECTRO 220UF 16WV | E2 | C532 | | | CC73GCH1H060D | CHIP C 6.0PF D | |
| C144 | | | CD04BR1C221M | ELECTRO 220UF 16WV | K1M1M2 | C533 | | | CC73GCH1H020C | CHIP C 2.0PF C | |
| C162 | | | CC73GCH1H030C | CHIP C 3.0PF C | | C700 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C200 | | | CK73FB1C105K | CHIP C 1.0UF K | | C702 | | | CD04AS0J470M | ELECTRO 47UF 6.3WV | |
| C203 | | | CD04BA1C100M | ELECTRO 10UF 16WV | | C704 | | | CK73FB1C105K | CHIP C 1.0UF K | |
| C204 | | | CK73GB1C224K | CHIP C 0.22UF K | | C709 | | | CC73GCH1H101J | CHIP C 100PF J | |
| C205 | | | CK73GB1H103K | CHIP C 0.010UF K | | C710 | | | CC73GCH1H470J | CHIP C 47PF J | K1 |
| C206 | | | CK73GB1C224K | CHIP C 0.22UF K | | Δ | | | | | |
| C211 | | | CK73GB1C224K | CHIP C 0.22UF K | | CN160 | * | | E41-1849-05 | FLAT CABLE CONNECTOR | |
| C212 | | | CK73GB1H103K | CHIP C 0.010UF K | | CN700 | * | | E41-3256-05 | PIN ASSY | |
| C213 | | | CK73GB1C224K | CHIP C 0.22UF K | | J3 | | | E58-0991-05 | RECTANGULAR RECEPTACLE | |
| C215 | | | CK73FB1C105K | CHIP C 1.0UF K | | J401 | | | E63-0973-05 | PIN JACK (2PRE) | E2 |
| C217 | | | CK73GB1A105K | CHIP C 1.0UF K | | J401 | | | E63-0973-05 | PIN JACK (2PRE) | K1M1M2 |
| C300 | | | CK73GB1C104K | CHIP C 0.10UF K | | J401 | | | E63-0974-05 | PIN JACK (1PRE) | M3E3 |
| C301,302 | | | CC73GCH1H220J | CHIP C 22PF J | | W551 | | | E30-6438-05 | CORD WITH PLUG (ANT) | |
| C304,305 | | | CK73GB1C104K | CHIP C 0.10UF K | | F20 | | | F53-0280-05 | FUSE (0.63A) | |
| C306,307 | | | CK73GB1H103K | CHIP C 0.010UF K | | F30 | | | F53-0298-05 | FUSE (UL,CSA) (0.25A) | |
| C308 | | | CK73GB1C104K | CHIP C 0.10UF K | | F50 | | | F53-0298-05 | FUSE (UL,CSA) (0.25A) | |
| C312 | | | CK73GB1H103K | CHIP C 0.010UF K | | Δ | | | | | |
| C330-332 | | | CC73GCH1H471J | CHIP C 470PF J | | L1 | | | L33-2459-05 | CHOKE COIL ASSY | |
| C333,334 | | | CC73GCH1H330J | CHIP C 33PF J | | L70 | | | L92-0662-05 | CHIP FERRITE | E2 |
| C400 | | | CD04AB1V100M | ELECTRO 10UF 35WV | | L70 | | | L92-0662-05 | CHIP FERRITE | K1M1M2 |
| C401,402 | | | CC73GCH1H102J | CHIP C 1000PF J | | L71 | | | L33-2462-05 | SMALL FIXED INDUCTOR | E2 |
| C403 | | | CD04AB1V100M | ELECTRO 10UF 35WV | M3E3 | L71 | | | L33-2462-05 | SMALL FIXED INDUCTOR | K1M1M2 |
| C403,404 | | | CD04AB1V100M | ELECTRO 10UF 35WV | E2 | L72 | | | L92-0655-05 | CHIP FERRITE | E2 |
| C403,404 | | | CD04AB1V100M | ELECTRO 10UF 35WV | K1M1M2 | L72 | | | L92-0655-05 | CHIP FERRITE | K1M1M2 |
| C405,406 | | | CC73GCH1H102J | CHIP C 1000PF J | E2 | L73 | | | L92-0365-05 | CHIP FERRITE | E2 |
| C405,406 | | | CC73GCH1H102J | CHIP C 1000PF J | K1M1M2 | L73 | | | L92-0365-05 | CHIP FERRITE | K1M1M2 |
| C407 | | | CD04AB1V100M | ELECTRO 10UF 35WV | E2 | L420,421 | | | L92-0648-05 | CHIP FERRITE | |
| C407 | | | CD04AB1V100M | ELECTRO 10UF 35WV | K1M1M2 | L422 | | | L40-4791-58 | SMALL FIXED INDUCTOR | |
| C420-423 | | | CK73GB1A105K | CHIP C 1.0UF K | | L501 | | | L40-4791-58 | SMALL FIXED INDUCTOR | |
| C431 | | | CD04AB1H010M | ELECTRO 1.0UF 50WV | | L502,503 | | | L33-1031-05 | SMALL FIXED INDUCTOR | |
| C432 | | | CK73GB1C104K | CHIP C 0.10UF K | | L504 | | | L40-2781-58 | SMALL FIXED INDUCTOR (0.27U) | |
| C433 | | | CD04AB1C470M | ELECTRO 47UF 16WV | | L505 | | | L40-4791-58 | SMALL FIXED INDUCTOR | |
| C434,435 | | | CD04AB1HR47M | ELECTRO 0.47UF 50WV | | L506 | | | L40-4781-58 | SMALL FIXED INDUCTOR | |
| C501 | | | CK73GB1H102K | CHIP C 1000PF K | | L507 | | | L40-1891-58 | SMALL FIXED INDUCTOR (1.8U) | |
| C502 | | | CK73GB1A105K | CHIP C 1.0UF K | | L508 | | | L40-4781-58 | SMALL FIXED INDUCTOR | |
| C505 | | | CK73GB1C224K | CHIP C 0.22UF K | | L509 | | | L92-0607-05 | CHIP FERRITE | K1 |
| C506 | | | CK73GB1H104K | CHIP C 0.10UF K | | L509 | | | L92-0609-05 | CHIP FERRITE | M1M2E2 |
| C507 | | | CC73GCH1H090D | CHIP C 9.0PF D | | L509 | | | L92-0609-05 | CHIP FERRITE | |
| C509-511 | | | CK73GB1A105K | CHIP C 1.0UF K | | L509 | | | L92-0609-05 | CHIP FERRITE | M3E3 |
| | | | | | | L551 | | | QQR1872-001 | RF COIL | |

E2: DPX404U E3: DPX304 (Europe) K1: DPX308U (North America)
M1: DPX-U5120 M2: DPX-U5120S M3: DPX-MP3120 (Other Areas)

Δ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-700x-xx)

| Ref. No. | Add | New | Parts No. | Description | Destination | Ref. No. | Add | New | Parts No. | Description | Destination |
|----------|-----|-----|--------------|---------------------------------|-------------|----------|-----|-----|---------------|---------------------|-------------|
| X302 | | | L78-0872-05 | RESONATOR (12MHZ) | | R88 -90 | | | RK73EB2E102J | CHIP R 1.0K J 1/4W | |
| X303 | | | L77-2921-15 | CRYSTAL RESONATOR (32.768KHZ, 1 | | R100,101 | | | RK73PB2H561J | CHIP R 560 J 1/2W | |
| X501 | | | L77-3824-05 | CRYSTAL RESONATOR (4.000MHZ) | | R102 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| C | 2C | | N83-3005-48 | PAN HEAD TAPTITE SCREW | | R103,104 | | | RK73PB2H561J | CHIP R 560 J 1/2W | |
| G | 2D | | N80-3008-48 | PAN HEAD TAPTITE SCREW | | R105 | | | RK73FB2B472J | CHIP R 4.7K J 1/8W | |
| CP1 | | | RK74HB1J101J | CHIP-COM 100 J 1/16W | | R106 | | | RK73GB2A223J | CHIP R 22K J 1/10W | M1M2K1 |
| CP2 ,3 | | | RK74HB1J471J | CHIP-COM 470 J 1/16W | | R106 | | | RK73GB2A223J | CHIP R 22K J 1/10W | M3 |
| CP9 | | | RK74HB1J101J | CHIP-COM 100 J 1/16W | | R107 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E2E3 |
| CP11-13 | | | RK74GA1J101J | CHIP-COM 100 J 1/16W | | R108,109 | | | RK73PB2H221J | CHIP R 220 J 1/2W | M1M2K1 |
| CP14 | | | RK74GA1J102J | CHIP-COM 1.0K J 1/16W | M3E3 | R108,109 | | | RK73PB2H221J | CHIP R 220 J 1/2W | M3 |
| CP15 | | | RK74HB1J102J | CHIP-COM 1.0K J 1/16W | | R110 | | | RK73FB2B472J | CHIP R 4.7K J 1/8W | |
| R1 | | | RK73EB2E471J | CHIP R 470 J 1/4W | | R120,121 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R2 ,3 | | | RK73EB2E103J | CHIP R 10K J 1/4W | | R122 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R20 | | | RK73GH2A362D | CHIP R 3.6K D 1/10W | | R141 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R21 | | | RK73GH2A562D | CHIP R 5.6K D 1/10W | | R141 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R22 | | | RK73GB2A561J | CHIP R 560 J 1/10W | | R160-162 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | M3E3 |
| R23 | | | RK73GB2A201J | CHIP R 200 J 1/10W | | R163,164 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | E2 |
| R24 | | | RK73GB2A432J | CHIP R 4.3K J 1/10W | | R163,164 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | K1M1M2 |
| R25 | | | RK73GB2A152J | CHIP R 1.5K J 1/10W | | R165 | | | RK73GB2A100J | CHIP R 10 J 1/10W | |
| R26 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R200 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R27 | | | RK73GB2A4R7J | CHIP R 4.7 J 1/10W | | R209 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R30 | | | RK73FB2B103J | CHIP R 10K J 1/8W | | R211 | | | RK73GB2A100JH | CHIP R 10 J 1/10W | |
| R31 | | | RK73GB2A223J | CHIP R 22K J 1/10W | | R212 | | | RK73GB2A432J | CHIP R 4.3K J 1/10W | |
| R33 | | | RK73FB2B123J | CHIP R 12K J 1/8W | | R213 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R34 ,35 | | | RK73GB2A221J | CHIP R 220 J 1/10W | | R214 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R36 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | M3E3 | R300 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R40 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R301 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R41 | | | RK73FB2B152J | CHIP R 1.5K J 1/8W | | R302 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R42 ,43 | | | RK73GB2A221J | CHIP R 220 J 1/10W | | R303 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R44 | | | RS14KB3DR22J | FL-PROOF RS 0.22 J 2W | | R304,305 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R45 | | | RK73GB2A471J | CHIP R 470 J 1/10W | | R306 | | | RK73GB2A000J | CHIP R 0.0 J 1/10W | |
| R46 ,47 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R307 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R48 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R308 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R49 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R309 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R50 | | | RK73GB2A221J | CHIP R 220 J 1/10W | | R316 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1 |
| R51 | | | RK73GB2A473J | CHIP R 47K J 1/10W | | R316 | | | RK73GB2A473J | CHIP R 47K J 1/10W | E2E3 |
| R52 | | | RK73FB2B152J | CHIP R 1.5K J 1/8W | | R318 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R53 | | | RK73GB2A221J | CHIP R 220 J 1/10W | | R319 | | | RK73GB2A473J | CHIP R 47K J 1/10W | M1M2K1 |
| R54 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R319 | | | RK73GB2A473J | CHIP R 47K J 1/10W | M3 |
| R71 | | | RK73GH2A823D | CHIP R 82K D 1/10W | E2 | R320 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R71 | | | RK73GH2A823D | CHIP R 82K D 1/10W | K1M1M2 | R321,322 | | | RK73GB2A471J | CHIP R 470 J 1/10W | |
| R72 | | | RK73GH2A133D | CHIP R 13K D 1/10W | E2 | R323 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R72 | | | RK73GH2A133D | CHIP R 13K D 1/10W | K1M1M2 | R325 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R73 | | | RK73GH2A153D | CHIP R 15K D 1/10W | E2 | R326 | | | RK73GB2A473J | CHIP R 47K J 1/10W | M3E3 |
| R73 | | | RK73GH2A153D | CHIP R 15K D 1/10W | K1M1M2 | R326,327 | | | RK73GB2A473J | CHIP R 47K J 1/10W | E2 |
| R74 -76 | | | RK73GB2A103J | CHIP R 10K J 1/10W | E2 | R326,327 | | | RK73GB2A473J | CHIP R 47K J 1/10W | K1M1M2 |
| R74 -76 | | | RK73GB2A103J | CHIP R 10K J 1/10W | K1M1M2 | R329 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | M3E3 |
| R80 ,81 | | | RK73GB2A103J | CHIP R 10K J 1/10W | | R330,331 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R82 | | | RK73GB2A183J | CHIP R 18K J 1/10W | | R332 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | E2 |
| R83 | | | RK73GB2A104J | CHIP R 100K J 1/10W | | R332 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | K1M1M2 |
| R84 | | | RK73FB2B203J | CHIP R 20K J 1/8W | | R332,333 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | M3E3 |
| R85 | | | RK73EB2E473J | CHIP R 47K J 1/4W | | R334,335 | | | RK73GB2A473J | CHIP R 47K J 1/10W | E2 |
| R86 | | | RK73EB2E683J | CHIP R 68K J 1/4W | | R334,335 | | | RK73GB2A473J | CHIP R 47K J 1/10W | K1M1M2 |
| R87 | | | RK73EB2E473J | CHIP R 47K J 1/4W | | R335 | | | RK73GB2A473J | CHIP R 47K J 1/10W | M3E3 |
| | | | | | | R336 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |

E2: DPX404U E3: DPX304 (Europe) K1: DPX308U (North America)
M1: DPX-U5120 M2: DPX-U5120S M3: DPX-MP3120 (Other Areas)

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-700x-xx)

| Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation |
|----------|-------------|-------------|---------------|---------------------|------------------|
| R337 | | | RK73GB2A102J | CHIP R 1.0K J 1/10W | |
| R338 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R339 | | | RK73GB2A222J | CHIP R 2.2K J 1/10W | |
| R340 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R341 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R342 | | | RK73GB2A104J | CHIP R 100K J 1/10W | |
| R344 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R345,346 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R349 | | | RK73GB2A473J | CHIP R 47K J 1/10W | |
| R350 | | | RK73GB2A101J | CHIP R 100 J 1/10W | |
| R351 | | | RK73GB2A473J | CHIP R 47K J 1/10W | M3E3 |
| R400 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R401 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R402,403 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| R404 | | | RK73FB2B101J | CHIP R 100 J 1/8W | |
| R405 | | | RK73GB2A331J | CHIP R 330 J 1/10W | |
| R406 | | | RK73FB2B101J | CHIP R 100 J 1/8W | E2 |
| R406 | | | RK73FB2B101J | CHIP R 100 J 1/8W | K1M1M2 |
| R407 | | | RK73GB2A331J | CHIP R 330 J 1/10W | E2 |
| R407 | | | RK73GB2A331J | CHIP R 330 J 1/10W | K1M1M2 |
| R408,409 | | | RK73GB2A223J | CHIP R 22K J 1/10W | E2 |
| R408,409 | | | RK73GB2A223J | CHIP R 22K J 1/10W | K1M1M2 |
| R410 | | | RK73FB2B101J | CHIP R 100 J 1/8W | E2 |
| R410 | | | RK73FB2B101J | CHIP R 100 J 1/8W | K1M1M2 |
| R411 | | | RK73GB2A331J | CHIP R 330 J 1/10W | E2 |
| R411 | | | RK73GB2A331J | CHIP R 330 J 1/10W | K1M1M2 |
| R422 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R505 | | | RK73GB2A472J | CHIP R 4.7K J 1/10W | |
| R506 | | | RK73EB2E220J | CHIP R 22 J 1/4W | |
| R507,508 | | | RK73GB2A221J | CHIP R 220 J 1/10W | |
| R513,514 | | | RK73GB2A684J | CHIP R 680K J 1/10W | |
| R515,516 | | | RK73GB2A392J | CHIP R 3.9K J 1/10W | |
| R700 | | | RK73GB2A103J | CHIP R 10K J 1/10W | |
| R701 | | | RK73GB2A223J | CHIP R 22K J 1/10W | |
| W202 | | | R92-2053-05 | CHIP R 0 OHM J 1/8W | |
| D1 | | | UDZW6.2(B) | ZENER DIODE | |
| D2 | | | S2V60-5009F46 | DIODE | |
| D21 | | | 1SS355 | DIODE | |
| D22 | | | UDZW5.1(B) | ZENER DIODE | |
| D30 | | | UDZW5.6(B) | ZENER DIODE | |
| D31 | | | 1SR154-400 | DIODE | |
| D40 | | | UDZW8.2(B) | ZENER DIODE | |
| D50 | | | 1SS355 | DIODE | |
| D51 | | | UDZW10(B) | ZENER DIODE | |
| D70 | | | CMS14 | DIODE | E2 |
| D70 | | | CMS14 | DIODE | K1M1M2 |
| D80 | | | UDZW6.2(B) | ZENER DIODE | |
| D81 ,82 | | | UDZW6.8(B) | ZENER DIODE | |
| D100 | | | 1SS355 | DIODE | |
| D101-104 | | | 1SR154-400 | DIODE | |
| D120 | | | UDZW4.7(B) | ZENER DIODE | |
| D203 | | | DAP202U | DIODE | |
| D401 | | | DAP202U | DIODE | |
| D421 | | | DAP202U | DIODE | |
| D700-702 | | | UDZW6.8(B) | ZENER DIODE | |

| Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation |
|--|-------------|-------------|----------------|-------------------------------|------------------|
| IC70 | | | LT3685EMSE | ANALOGUE IC | E2 |
| IC70 | | | LT3685EMSE | ANALOGUE IC | K1M1M2 |
| IC140 | | | BD6538G | MOS-IC | E2 |
| IC140 | | | BD6538G | MOS-IC | K1M1M2 |
| IC200 | | | TB2926HQ | ANALOGUE IC | |
| IC300 | | | XC6120N362N-G | MOS-IC | |
| IC301 | | | W05-1738-00 | MICROCONTROLLER IC | K1M1M2 |
| IC301 | | | W05-1738-00 | MICROCONTROLLER IC | E2 |
| IC301 | | | W05-1739-00 | MICROCONTROLLER IC | E3M3 |
| IC302 | | | TC7W02FU-F | MOS-IC | |
| IC420 | | | E-TDA7718N | ANALOGUE IC | |
| IC501 | | | TEF6614TV1S3-X | INTEGRATED CIRCUIT (ANALOGUE) | E2E3 |
| IC501 | | | TEF6614TV1S4-X | INTEGRATED CIRCUIT (ANALOGUE) | M1M2K1 |
| IC501 | | | TEF6614TV1S4-X | INTEGRATED CIRCUIT (ANALOGUE) | M3 |
| Q21 | | * | 2SAR533D | TRANSISTOR | |
| Q22 -24 | | | 2SA1576A | TRANSISTOR | |
| Q25 | | | 2SC4081 | TRANSISTOR | |
| Q26 | | | RT1N241M-T111 | TRANSISTOR | |
| Q30 | | | 2SA1576A | TRANSISTOR | |
| Q31 | | | RT1N241M-T111 | TRANSISTOR | |
| Q32 | | | 2SC4081 | TRANSISTOR | |
| Q33 | | | KTA1046-P | TRANSISTOR | |
| Q40 | | | 2SC4081 | TRANSISTOR | |
| Q41 | | | KTA1046-P | TRANSISTOR | |
| Q42 | | | RT1P241M-T111 | TRANSISTOR | |
| Q44 -47 | | | 2SC4081 | TRANSISTOR | |
| Q50 | | | 2SC4081 | TRANSISTOR | |
| Q51 | | * | 2SAR533D | TRANSISTOR | |
| Q52 | | | RT1P241M-T111 | TRANSISTOR | |
| Q53 | | | RT1N241M-T111 | TRANSISTOR | |
| Q80 -82 | | | 2SC4081 | TRANSISTOR | |
| Q100 | | | RT1N144M-T111 | TRANSISTOR | |
| Q101 | | | RT1P141M-T111 | TRANSISTOR | |
| Q102 | | | 2SA1576A | TRANSISTOR | |
| Q103 | | | 2SB1188(Q,R) | TRANSISTOR | E2E3 |
| Q103,104 | | | 2SB1188(Q,R) | TRANSISTOR | M1M2K1 |
| Q103,104 | | | 2SB1188(Q,R) | TRANSISTOR | M3 |
| Q105 | | | RT1N144M-T111 | TRANSISTOR | M1M2K1 |
| Q105 | | | RT1N144M-T111 | TRANSISTOR | M3 |
| Q120 | | | RT1N441M-T111 | TRANSISTOR | |
| Q400-403 | | | RT1N430M-T111 | TRANSISTOR | E2 |
| Q400-403 | | | RT1N430M-T111 | TRANSISTOR | K1M1M2 |
| Q400,401 | | | RT1N430M-T111 | TRANSISTOR | M3E3 |
| Q404 | | | RT1P241M-T111 | TRANSISTOR | |
| Q700 | | | RT1N241M-T111 | TRANSISTOR | |
| Q701 | | | 2SA1576A | TRANSISTOR | |
| CD MECHANISM ASSY (X92-6320-00) (DXM-9B10W) | | | | | |
| CD MECHANISM ASSY (X92-6360-04) (DXM-9B34W) | | | | | |
| 1 | | 2B | A10-5450-63 | CHASSIS ASSY | |
| 3 | | 3B | A10-5452-41 | CHASSIS | |
| 4 | | 1B | A10-5453-32 | CHASSIS | |
| 12 | | 3A | * D10-4993-62 | LEVER | |
| 13 | | 1B | D10-4991-22 | ARM | |
| 14 | | 1B | * D10-4992-23 | ARM | |
| 15 | | 2A | D10-4994-02 | SLIDER | |

E2: DPX404U E3: DPX304 (Europe) K1: DPX308U (North America)
M1: DPX-U5120 M2: DPX-U5120S M3: DPX-MP3120 (Other Areas)

△ Indicates safety critical components.

PARTS LIST

CD MECHANISM ASSY (X92-6320-00) (DXM-9B10W)
CD MECHANISM ASSY (X92-6360-04) (DXM-9B34W)

| Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation | Ref. No. | A d d | N e w | Parts No. | Description | Desti- nation |
|----------|-------------|-------------|-------------|-------------------------------|------------------|----------|-------------|-------------|-------------|-----------------------------|------------------|
| 16 | 2A | | D10-4995-03 | SLIDER | | DM1 | 2B | | X94-2090-00 | SPINDLE MOTOR ASSY | |
| 17 | 2B | | D10-4996-02 | SLIDER | | DM2 | 2B | | X94-2100-00 | FEED MOTOR ASSY (LOAD/SLED) | |
| 18 | 2A | | D10-4997-03 | LEVER | | DPU1 | 2B | | X93-2280-00 | OPTICAL PICKUP ASSY | |
| 19 | 1A | | D10-4998-03 | ARM | | | | | | | |
| 20 | 2A | | D10-4999-03 | ARM | | | | | | | |
| 21 | 2A | | D10-7001-03 | ARM | | | | | | | |
| 22 | 2A | | D10-7002-03 | ARM | | | | | | | |
| 23 | 2A | | D10-7003-03 | ARM | | | | | | | |
| 24 | 2A | | D13-2445-04 | GEAR | | | | | | | |
| 25 | 2A | | D13-2446-04 | GEAR | | | | | | | |
| 27 | 2A | | D13-2448-04 | GEAR | | | | | | | |
| 28 | 2A | | D13-2449-04 | GEAR | | | | | | | |
| 29 | 2A | | D13-2450-04 | GEAR | | | | | | | |
| 30 | 2A | | D13-2451-04 | GEAR | | | | | | | |
| 31 | 2A | | D13-2452-04 | GEAR | | | | | | | |
| 32 | 2A | | D13-2453-04 | GEAR | | | | | | | |
| 33 | 2A | | D13-2454-04 | GEAR | | | | | | | |
| 34 | 2A | | D13-2455-04 | GEAR | | | | | | | |
| 35 | 2B | | D13-2456-03 | RACK (GEAR) | | | | | | | |
| 36 | 2A | | D14-1028-04 | ROLLER | | | | | | | |
| 37 | 3A | | D21-2507-04 | SHAFT | | | | | | | |
| 38 | 2B | | D21-2508-04 | SHAFT | | | | | | | |
| 39 | 3A | | D23-0963-04 | RETAINER | | | | | | | |
| 40 | 3B | | D39-0277-15 | DAMPER | | | | | | | |
| 41 | 3B | | D39-0278-15 | DAMPER | | | | | | | |
| 46 | 1B | | G01-4682-34 | TORSION COIL SPRING | | | | | | | |
| 47 | 3A | | G01-4756-04 | EXTENSION SPRING | | | | | | | |
| 48 | 2A | | G01-4684-04 | EXTENSION SPRING | | | | | | | |
| 49 | 2B | | G01-4685-04 | EXTENSION SPRING | | | | | | | |
| 50 | 1B | | G01-4686-14 | EXTENSION SPRING | | | | | | | |
| 51 | 3A | | G01-4688-14 | EXTENSION SPRING | | | | | | | |
| 52 | 3A | | G01-4692-24 | TORSION COIL SPRING | | | | | | | |
| 54 | 3A | | G02-1588-04 | FLAT SPRING | | | | | | | |
| 55 | 1B | | G13-1297-04 | CUSHION (CLAMPER CUSSIO | | | | | | | |
| 56 | 1B | | G13-1299-14 | CUSHION (STROKE CUSHION | | | | | | | |
| 57 | 1A | | G16-1715-04 | SHEET | | | | | | | |
| 61 | 1B | | J11-0675-03 | CLAMPER | | | | | | | |
| 64 | 2A | | J19-7210-21 | HOLDER | | | | | | | |
| 65 | 2B | | J19-7225-04 | HOLDER | | | | | | | |
| 66 | 1B | | J22-0706-03 | MOUNTING HARDWARE | | | | | | | |
| 67 | 1A | | J22-0707-12 | MOUNTING HARDWARE | | | | | | | |
| 68 | 1B | | J90-1166-11 | GUIDE | | | | | | | |
| 69 | 2B | | J90-1168-03 | RAIL | | | | | | | |
| A | 1A | | N09-6108-15 | TAPTITE SCREW (M2X3.5) | | | | | | | |
| B | 2B | | N09-6426-15 | MACHINE SCREW (LOAD ARM SCREW | | | | | | | |
| C | 2B | | N09-6735-05 | TAPTITE SCREW (PICK SCREW) | | | | | | | |
| D | 2B | | N09-6737-15 | MACHINE SCREW (SHAFT SCREW) | | | | | | | |
| E | 2B | | N09-6738-15 | TAPTITE SCREW (GEAR SCREW) | | | | | | | |
| F | 2A | | N19-2335-14 | FLAT WASHER | | | | | | | |
| G | 2B | | N35-2003-48 | BINDING HEAD MACHINE SCREW | | | | | | | |
| H | 2B | | N39-1720-48 | PAN HEAD MACHINE SCREW | | | | | | | |
| 76 | 2A | | S68-0921-05 | PUSH SWITCH | | | | | | | |

E2: DPX404U **E3:** DPX304 (Europe) **K1:** DPX308U (North America)
M1: DPX-U5120 **M2:** DPX-U5120S **M3:** DPX-MP3120 (Other Areas)

△ Indicates safety critical components.

SPECIFICATIONS (DPX304/DPX404U)

FM tuner section

| | |
|---|-------------------------|
| Frequency range (50 kHz space)..... | 87.5 MHz – 108.0 MHz |
| Usable sensitivity (S/N = 26dB)..... | 1 μ V/75 Ω |
| Quieting Sensitivity (S/N = 46dB)..... | 2.5 μ V/75 Ω |
| Frequency response (\pm 3.0 dB)..... | 30 Hz – 15 kHz |
| Signal to Noise ratio (MONO)..... | 63 dB |
| Stereo separation (1 kHz)..... | 40 dB |

MW tuner section

| | |
|--------------------------------------|--------------------|
| Frequency range (9 kHz space)..... | 531 kHz – 1611 kHz |
| Usable sensitivity (S/N = 20dB)..... | 36 μ V |

LW tuner section

| | |
|--------------------------------------|-------------------|
| Frequency range | 153 kHz – 279 kHz |
| Usable sensitivity (S/N = 20dB)..... | 57 μ V |

CD player section

| | |
|--|---------------------------------------|
| Laser diode..... | GaAlAs |
| Digital filter (D/A)..... | 8 Times Over Sampling |
| D/A Converter..... | 24 Bit |
| Spindle speed | 500 – 200 rpm (CLV) |
| Wow & Flutter | Below Measurable Limit |
| Frequency response (\pm 1 dB)..... | 10 Hz – 20 kHz |
| Total harmonic distortion (1 kHz)..... | 0.008 % |
| Signal to Noise ratio (1 kHz)..... | 110 dB |
| Dynamic range | 93 dB |
| MP3 decode..... | Compliant with MPEG-1/2 Audio Layer-3 |
| WMA decode..... | Compliant with Windows Media Audio |
| AAC decode | AAC-LC “.m4a” files |

USB Interface (DPX404U)

| | |
|------------------------------|---------------------------------------|
| USB Standard | USB1.1/ 2.0 (Full speed) |
| Maximum Supply current | 500 mA |
| File System | FAT16/ 32 |
| MP3 decode..... | Compliant with MPEG-1/2 Audio Layer-3 |
| WMA decode..... | Compliant with Windows Media Audio |
| AAC decode | AAC-LC “.m4a” files |

Audio section

| | |
|--|-----------------------|
| Maximum output power | 50 W x 4 |
| Output power (DIN 45324, +B=14.4V) | 30 W x 4 |
| Speaker Impedance | 4 – 8 Ω |
| Tone action | |
| Bass | 100 Hz \pm 8 dB |
| Middle | 1 kHz \pm 8 dB |
| Treble | 12.5 kHz \pm 8 dB |
| Preout level / Load (CD) | 2000 mV/10 k Ω |
| Preout impedance | \leq 600 Ω |

Auxiliary input

| | |
|--|----------------|
| Frequency response (\pm 1 dB) | 20 Hz – 20 kHz |
| Input Maximum Voltage..... | 1200 mV |
| Input Impedance | 10 k Ω |

General

| | |
|---|--------------------|
| Operating voltage (11 – 16V allowable)..... | 14.4 V |
| Maximum Current consumption..... | 10 A |
| Installation Size (W x H x D) | 182 x 111 x 158 mm |
| Weight | 1.5 kg |

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

SPECIFICATIONS (DPX308U)

FM tuner section

Frequency range (200 kHz step) 87.9 MHz – 107.9 MHz
 Usable sensitivity (S/N = 26dB)..... 11.2 dBf (1 μ V/75 Ω)
 Quieting Sensitivity (S/N = 50dB)..... 19.2 dBf (2.5 μ V/75 Ω)
 Frequency response (\pm 3 dB)30 Hz – 15 kHz
 Signal to Noise ratio (MONO)..... 63 dB
 Stereo separation (1 kHz) 40 dB

AM tuner section

Frequency range (10 kHz step)530 kHz – 1700 kHz
 Usable sensitivity (S/N = 20dB)..... 31 dB μ (36 μ V)

CD player section

Laser diode..... GaAlAs
 Digital filter (D/A)..... 8 Times Over Sampling
 D/A Converter..... 24 Bit
 Spindle speed 500 – 200 rpm (CLV)
 Wow & Flutter Below Measurable Limit
 Frequency response (\pm 1 dB)10 Hz – 20 kHz
 Total harmonic distortion (1 kHz)..... 0.008 %
 Signal to Noise ratio (1 kHz) 110 dB
 Dynamic range 93 dB
 MP3 decode..... Compliant with MPEG-1/2 Audio Layer-3
 WMA decode.....Compliant with Windows Media Audio
 AAC decode AAC-LC “.m4a” files

USB Interface

USB StandardUSB1.1/ 2.0 (Full speed)
 Maximum Supply current 500 mA
 File SystemFAT16/ 32
 MP3 decode..... Compliant with MPEG-1/2 Audio Layer-3
 WMA decode.....Compliant with Windows Media Audio
 AAC decode AAC-LC “.m4a” files

Audio section

Maximum output power50 W x 4
 Full Bandwidth Power (at less than 1% THD)22 W x 4
 Speaker Impedance 4 – 8 Ω
 Tone action
 Bass100 Hz \pm 8 dB
 Middle 1 kHz \pm 8 dB
 Treble 12.5 kHz \pm 8 dB
 Preout level / Load (CD)2000 mV/10 k Ω
 Preout impedance \leq 600 Ω

Auxiliary input

Frequency response (\pm 1 dB)20 Hz – 20 kHz
 Input Maximum Voltage.....1200 mV
 Input Impedance 10 k Ω

General

Operating voltage (11 – 16V allowable).....14.4 V
 Maximum Current consumption.....10 A
 Installation Size (W x H x D) 182 x 111 x 158 mm
 Weight 1.5 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

SPECIFICATIONS (DPX-MP3120/U5120/U5120S)

FM tuner section

| | |
|-----------------------------------|-------------------------------------|
| Frequency range | |
| 200 kHz step | 87.9 MHz – 107.9 MHz |
| 50 kHz step | 87.5 MHz – 108.0 MHz |
| Usable sensitivity (S/N = 26dB) | 11.2 dBf (1 μ V/75 Ω) |
| Quieting Sensitivity (S/N = 50dB) | 19.2 dBf (2.5 μ V/75 Ω) |
| Frequency response (\pm 3 dB) | 30 Hz – 15 kHz |
| Signal to Noise ratio (MONO) | 63 dB |
| Stereo separation (1 kHz) | 40 dB |

AM tuner section

| | |
|---------------------------------|--------------------------|
| Frequency range | |
| 10 kHz step | 530 kHz – 1700 kHz |
| 9 kHz step | 531 kHz – 1611 kHz |
| Usable sensitivity (S/N = 20dB) | 31 dB μ (36 μ V) |

CD player section

| | |
|-----------------------------------|---------------------------------------|
| Laser diode | GaAlAs |
| Digital filter (D/A) | 8 Times Over Sampling |
| D/A Converter | 24 Bit |
| Spindle speed | 500 – 200 rpm (CLV) |
| Wow & Flutter | Below Measurable Limit |
| Frequency response (\pm 1 dB) | 10 Hz – 20 kHz |
| Total harmonic distortion (1 kHz) | 0.008 % |
| Signal to Noise ratio (1 kHz) | 105 dB |
| Dynamic range | 93 dB |
| MP3 decode | Compliant with MPEG-1/2 Audio Layer-3 |
| WMA decode | Compliant with Windows Media Audio |
| AAC decode | AAC-LC “.m4a” files |

USB Interface (DPX-U5120/U5120S)

| | |
|------------------------|---------------------------------------|
| USB Standard | USB1.1/ 2.0 (Full speed) |
| Maximum Supply current | 500 mA |
| File System | FAT16/ 32 |
| MP3 decode | Compliant with MPEG-1/2 Audio Layer-3 |
| WMA decode | Compliant with Windows Media Audio |
| AAC decode | AAC-LC “.m4a” files |

Audio section

| | |
|--|-----------------------|
| Maximum output power | 50 W x 4 |
| Full Bandwidth Power (at less than 1% THD) | 22 W x 4 |
| Speaker Impedance | 4 – 8 Ω |
| Tone action | |
| Bass | 100 Hz \pm 8 dB |
| Middle | 1 kHz \pm 8 dB |
| Treble | 12.5 kHz \pm 8 dB |
| Preout level / Load (CD) | 2000 mV/10 k Ω |
| Preout impedance | \leq 600 Ω |

Auxiliary input

| | |
|----------------------------------|----------------|
| Frequency response (\pm 1 dB) | 20 Hz – 20 kHz |
| Input Maximum Voltage | 1200 mV |
| Input Impedance | 10 k Ω |

General

| | |
|--|--------------------------|
| Operating voltage (11 – 16V allowable) | 14.4 V |
| Maximum Current consumption | 10 A |
| Installation Size (W x H x D) | 178.0 x 100.0 x 155.0 mm |
| Weight | 1.5 kg |

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

DANGER:

Please do not look at the laser beam directly during repair or operation check.

