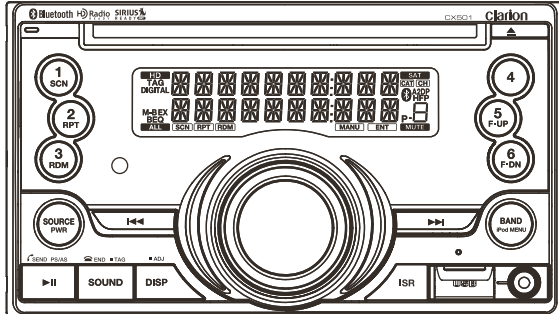


# Service Manual



(PE-3402B-A)

## 2-DIN Bluetooth® CD/USB/MP3/ WMA RECEIVER

Model **CX501**  
 (PE-3402B-A for USA)

Model **CX501B**  
 (PE-3402B-B for BRAZIL)

Model **CX501A**  
 (PE-3402K-A for Australia)  
 (PE-3402K-B for Asia)



This product is a lead free model.  
 Lead free solder is used in PWB stamped LF mark.  
 Please keep the following conditions when you repair.

1. Use lead free solder.
  - \* Koki's lead free solder S3X-55M 0.6mm  
 (CLARION Parts No.642-0231-01)
  - \* Koki's lead free solder S3X-55M 1.0mm  
 (CLARION Parts No.642-0231-02)
2. Use a nitrogen solder system.
3. Do not use "General solder" and "Lead free solder" together.

## SPECIFICATIONS

### FM tuner section

Frequency range: 87.9MHz to 107.9MHz  
 (PE-3402B-A/B)  
 87.5MHz to 108.0MHz  
 (PE-3402K-A/B)

Usable sensitivity: 11dBuV  
 50dB quieting sensitivity: 17dBuV  
 Alternate channel selectivity: 60dB  
 Stereo separation: 30dB(1kHz)  
 Frequency Response: 30Hz to 15kHz(+3/-3dB)

### AM tuner section

Frequency range: 530kHz to 1710kHz  
 (PE-3402B-A/B)  
 531kHz to 1629kHz  
 (PE-3402K-A/B)

Usable sensitivity: 28dBuV

### CD player section

System: Compact disc digital audio system

Usable discs: Compact disc

Frequency response: 20Hz to 20kHz(+1/-1dB)  
 Dynamic range: 80dB(1kHz)

Harmonic distortion: 0.03%

MP3/WMA mode  
 MP3 Sampling rate: 8kHz to 48kHz  
 MP3 Bit rate: 5kbps to 320kbps / VBR  
 WMA Bit rate: 5kbps to 320kbps  
 Logical format: ISO9660 level1, 2  
 JOLIET or Romeo

### Bluetooth

Specification: Bluetooth Ver. 2.0+EDR  
 Profile: HSP(Headset Profile)  
 PBAP(Phone Book Access Profile)  
 HFP (Hands-Free Profile)  
 OPP (Object Push Profile) Phone Book  
 A2DP (Advanced Audio Distribution Profile)  
 AVRCP (Audio/Video Remote Control Profile)

Send/Receive Sensitivity: Class 2

### Audio section

Maximum power output: 50Wx4  
 Bass control action: +14/-14dB(100Hz)  
 Treble control action: +14/-14dB(10kHz)  
 Line output level: 4V(CD 1kHz) (PE-3402B-A)  
 2V(CD 1kHz)  
 (PE-3402B-B/PE3402K-A/B)

### General

Power supply voltage: 14.4V DC(10.8 to 15.6V allowable), negative ground

Current consumption: Less than 15A

Speaker impedance: 4ohm(4ohm to 8ohm allowable)

Auto Antenna Rated Current: 500 mA or less

Weight: Source unit 1.52kg  
 Remote control unit 40g  
 (PE-3402B-A)



Dimensions(mm): Source unit  
 178(W)x100(H)x155(D)  
 Remote control unit  
 44(W)x113(H)x11(D) (PE-3402B-A)

# MECHANISM SERVICE MANUAL

Please refer to the following service manual for the CD-mechanism.

| Mechanism No. | Manual NO.  |
|---------------|-------------|
| 929-5110-80   | 298-6885-00 |

## NOTES

- \* We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- \* Specifications and design are subject to change without notice for further improvement.
- \* Use only compact discs bearing the  or  mark. Some CDs recorded in CD-R/CD-RW mode may not be usable.
- \* "Made for iPod," and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.
- \* Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- \* Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
- \* iPhone, iPod and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.
- \* HD Radio™, HD Radio Ready™ and the HD Radio Ready logo are proprietary trademarks of iBiquity Digital Corporation. This HD Radio Ready receiver is ready to receive HD Radio broadcasts when connected to the THD300 or THD301, sold separately.
- \* SIRIUS, the SIRIUS Dog logo and related marks are trademarks of SIRIUS XM Radio, Inc.
- \* The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Clarion Co., Ltd. is under license. Other trademarks and trade names are those of their respective owners.
- \* WMA is the abbreviation of Windows Media Audio, an audio file format developed by Microsoft Corporation.
- \* This product includes technology owned by Microsoft Corporation and cannot be used or distributed without a license from MSLGP.
- \* This unit is compatible with USB 1.1/2.0 with maximum data transfer rates of 12 Mbps. USB memory devices that can be played by connecting to the unit's USB cable are limited to those recognized as "USB mass storage class devices"; operation is not guaranteed with all USB memory devices.
- \* To prevent the accidental loss of data, always back up important data on your computer.
- \* This unit does not support connections to a computer. In addition, connections made through a USB hub device are also not supported.
- \* Insert and remove a USB memory device only when the device is not being accessed. Connecting or disconnecting the device at the following times may result in the loss of data:
  - If the USB memory device is removed or power is disconnected during writing to the device.
  - When the device is subjected to static electricity or electric noise.

## To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodeling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection. If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.
3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots. If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
5. Cautions in soldering.

Please do not spread liquid flux in soldering.  
Please do not wash the soldering point after soldering.
6. Cautions in soldering for chip capacitors  
Please solder the chip capacitors after pre-heating for replacement because they are very weak to heat.  
Please do not heat the chip capacitors with a soldering iron directly.
7. Cautions in handling for chip parts.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc).  
Please make an operation test after replacement.
8. Cautions in handling flexible PWB  
Before working with a soldering iron, make sure that the iron tip temperature is around 270 °C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.
9. Turn the unit OFF during disassembly and parts replacement.  
Recheck all work before you apply power to the unit.
10. Cautions in checking that the optical pickup lights up.

The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eyesight.
11. Cautions in handling the optical pickup  
The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.
- 11-1. Laser diode  
The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit.  
When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

### 11-2. Actuator

The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change.  
Ensure that not foreign substances enter through the ventilation slots in the cover.

### 11-3. Cleaning the lens

Dust on the optical lens affects performance.  
To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

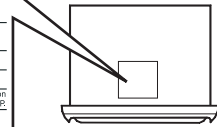
## COMPONENTS

### PE-3402B-A/B/PE-3402K-A/B

|  |             |   |
|--|-------------|---|
| 1. Source unit   | _____       | 1 |
| 2. Extension lead  | 854-6487-50 | 1 |
| 3. Parts bag   | _____       | 1 |
| 3-1. Screw(M5x8)   | 716-0496-51 | 8 |
| 3-2. Machine Screw(M5x8)   | 714-5008-4B | 8 |
| 3-3. Finisher(PE-3402B-A/<br>PE-3402K-A/B)                       | 383-0591-00 | 1 |
| 3-4. Spacer  | 340-1581-00 | 8 |
| 3-5. Double face   | 347-3913-20 | 2 |
| 4. Remote control unit(PE-3402B-A)<br>(including battery CR2025) | RCB-176-600 | 1 |

## CAUTION

Use of controls, adjustments, or performance of procedures other than those specified herein, may result in hazardous radiation exposure. The compact disc player should not be adjusted or repaired by anyone except properly qualified service personnel.



Bottom view of PE-3402B-A

## ERROR DISPLAYS

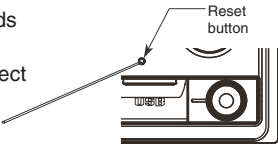
If an error occurs, one of the following displays is displayed. Take the measures described below to eliminate the problem.

|                | Error Display          | Cause  | Measure  |
|----------------|------------------------|--|--|
| CD/MP3/<br>WMA | ERROR 2                | A CD is caught inside the CD deck and is not ejected.            | This is a failure of CD deck's mechanism.  |
|                | ERROR 3                | A CD cannot be played due to scratches, etc.                     | Replace with a non-scratched, non-warped disc.   |
|                | ERROR 6                | A CD is loaded upside-down inside the CD deck and does not play. | Eject the disc then reload it properly.  |
| USB/iPod       | ERROR 7<br>(iPod mode) | The connected iPod is not recognized.                            | Disconnect and reconnect the iPod.   |
|                | ERROR 7                | Overcurrent detection.   | Disconnect the devices and reconnect. If the devices are still not recognized, try replacing with a different devices. |
|                | ERROR 7                | Do not support the HUB devices.                                  | Do not use the HUB devices.  |

\* If an error display other than the ones described above appears, press the reset button.

\* iPhone can also be connected to this system and "iPod" appearing in this manual should be referred to as "iPod/iPhone".

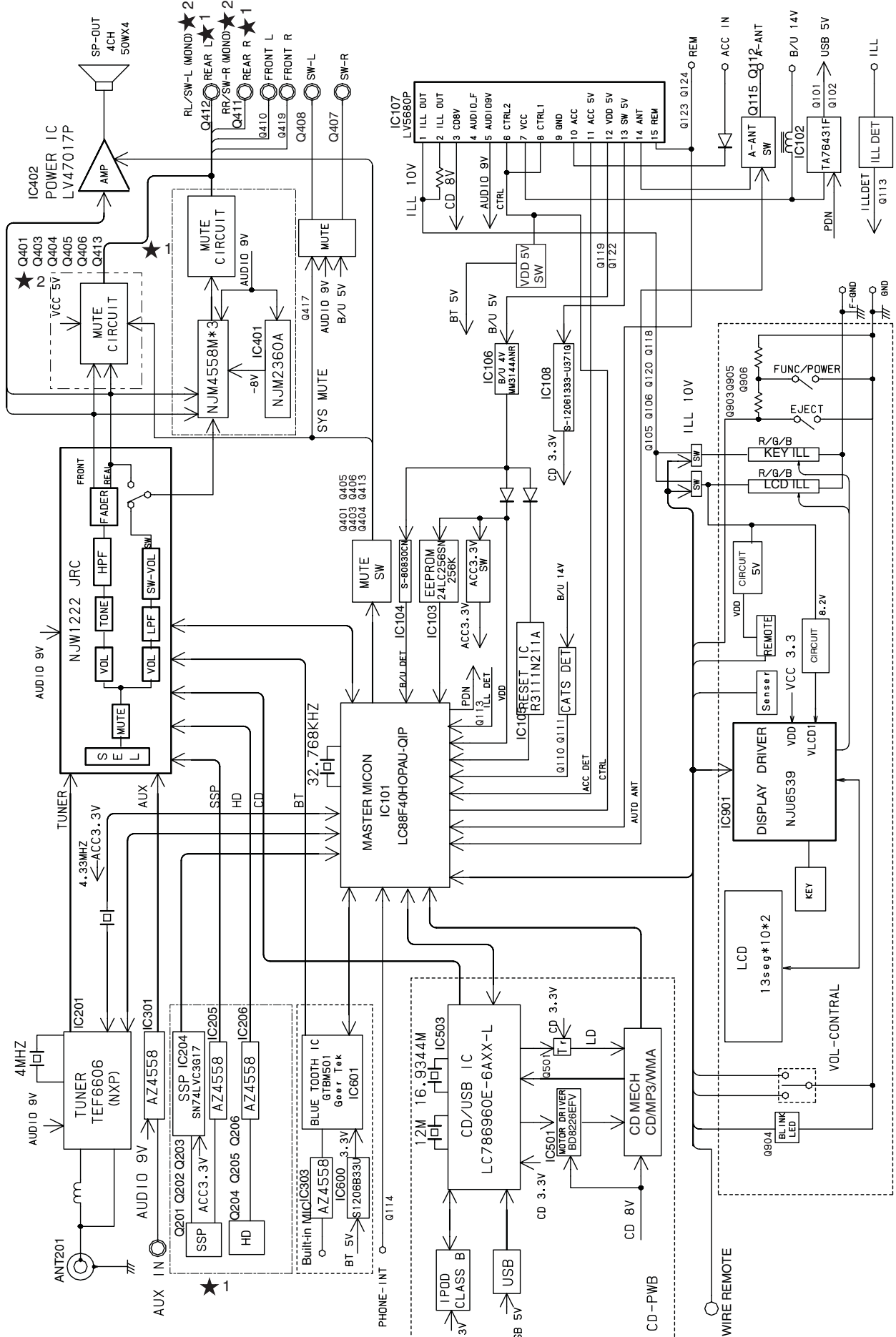
# TROUBLESHOOTING

|                          | Problem   | Cause   | Measure  |
|--------------------------|---|---|--|
| General                  | Power does not turn on.<br>(No sound is produced)                                     | Fuse is blown.  | Replace with a fuse of the same amperage as the old fuse.  |
|                          |   | Incorrect wiring.   | Read the attached "Installation/Wire connection Guide" once again and wire properly.   |
|                          | No sound output when operating the unit with amplifiers or power antenna attached.    | Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.   | <ol style="list-style-type: none"> <li>1. Turn the unit off.</li> <li>2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter.</li> <li>3. Turn the unit back on.</li> <li>4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage (excessive current required).</li> </ol> |
|                          | Nothing happens when buttons are pressed.<br><br>Display is not accurate.             | The microprocessor has malfunctioned due to noise, etc.   | <p>Press the reset button for about 2 seconds with a thin rod. If the RESET button is pressed when a disc is loaded, please eject the disc and load it once again before attempting to play it.</p>  <p>(PE-3402B-A)</p>  |
|                          |   | Main unit connectors are dirty.   | Wipe the dirt off with a soft cloth moistened with cleaning alcohol.   |
| No sound heard           | The speaker protection circuit is operating.  | <ol style="list-style-type: none"> <li>1. Turn down sound volume. Function can also be restored by turning power off and on again. (Speaker volume is reduced automatically when the speaker protection circuit operates).</li> </ol> |  |
| CD/MP3/WMA               | No sound heard  | MP3/WMA files are absent in a disc.   | Write MP3/WMA files onto the disc properly.  |
|                          |   | Files are not recognized as an MP3/WMA file.  | Use MP3/WMA files encoded properly.  |
|                          |   | File system is not correct.   | Use ISO9660 level 1, 2 or JOLIET or Romeo or APPLE ISO file system.  |
|                          | Sound skips or is noisy.  | Compact disc is dirty.  | Clean the compact disc with a soft cloth.  |
|                          |   | Compact disc is heavily scratched or warped.  | Replace with a compact disc with no scratches.   |
|                          | Sound is cut or skipped. Noise is generated or noise is mixed with sound.             | MP3/WMA files are not encoded properly.   | Use MP3/WMA files encoded properly.  |
|                          | Sound is bad directly after power is turned on.                                       | Water droplets may form on the internal lens when the car is parked in a humid place.   | Let dry for about 1 hour with the power on.  |
| Wrong filename           | File system is not correct.   | Use ISO9660 level 1, 2 or JOLIET or Romeo or APPLE ISO file system.   |  |
| USB/iPod                 | No sound heard  | The device contains no MP3/WMA files.   | Record MP3/WMA files properly to the device.   |
|                          |   | The files are not proper MP3/WMA format.  | Use only properly encoded MP3/WMA files.   |
|                          |   | Connectors are loose.   | Disconnect the device and reconnect securely.  |
|                          |   | Some USB portable music players may consume current that exceeds the USB rating. In this case, this unit's overcurrent protection circuit operates to stop the music playback.  | Check operation of portable music player.  |
|                          | Sound is interrupted or has noise.  | The MP3/WMA files are improperly encoded.   | Use only properly encoded MP3/WMA/AAC files.   |
|                          | The device isn't recognized.  | The device is damaged.  | Disconnect the device and reconnect. If the device is still not recognized, try replacing with a different device.   |
|                          |   | Connectors are loose.   |  |
| Can't insert the device. | According to the state of operation on the device, the communication fault is caused. | Disconnect the device and reconnect.  |  |
|                          | The device has been inserted improperly.  | Try reversing the connection direction of the device (usually the brand name surface should be facing left).  |  |
|                          | The connector is broken.  | Replace with a new device.  |  |

# BLOCK DIAGRAM

## Main section

- ★ 1 → PE-3402B-A
- ★ 2 → PE-3402B-B/K-A/K-B



# EXPLANATION OF IC

| IC101                   | LC88F40HOPAU-QIP | Main System controller  |
|-------------------------|------------------|---|
| 1. Terminal Description |                  |   |
| pin 1                   | : TR-A           | : IN : Photo sensor signal input from the CD mechanism.                         |
| pin 2                   | : TR-B           | : IN : Photo sensor signal input from the CD mechanism.                         |
| pin 3                   | : INT1           | : IN : The initial setting input.   |
| pin 4                   | : INT2           | : IN : The initial setting input.   |
| pin 5                   | : INT3           | : IN : The initial setting input.   |
| pin 6                   | : TEST MODE      | : IN : For the test.  |
| pin 7                   | : TEST           | : - : For the test.   |
| pin 8                   | : RES#           | : IN : Reset signal input.  |
| pin 9                   | : HD-ON          | : O : HD power supply control signal.   |
| pin 10                  | : VREG           | : IN : Regulator output.  |
| pin 11                  | : VSS            | : - : Ground.   |
| pin 12                  | : XXIN           | : IN : Crystal connection.  |
| pin 13                  | : XOUT           | : O : Crystal connection.   |
| pin 14                  | : VDD            | : - : Positive voltage supply.  |
| pin 15                  | : SW1            | : IN : Through mode setting.  |
| pin 16                  | : SW2            | : IN : Through mode setting.  |
| pin 17                  | : KEY-A/D        | : IN : Input terminal of A/D converter for Key judgment.                        |
| pin 18                  | : CD-TEST        | : O : For test.   |
| pin 19                  | : OFFSET DET     | : IN : The emergency signal input from the power IC.                            |
| pin 20                  | : N.C            | : IN : Ground.  |
| pin 21                  | : DISP+B-REM     | : O : The power supply control signal output for the LCD driver.                |
| pin 22                  | : N.C            | : IN : Ground.  |
| pin 23                  | : DRV-MUTE       | : O : Drive mute signal output to the CD IC.                                    |
| pin 24                  | : RDS-DATA(E)    | : IN : Not in use.  |
| pin 25                  | : JOG-CCW        | : IN : JOG-CCW rotation signal capture terminal.                                |
| pin 26                  | : JOG-CW         | : IN : JOG-CW signal capture terminal.  |
| pin 27                  | : ILLM-DET       | : IN : Illumination ON signal input.  |
| pin 28                  | : TUNER SCL      | : O : TUNER SCL communication terminal.   |
| pin 29                  | : TUNER SDA      | : I/O : TUNER SDA communication terminal.                                       |
| pin 30                  | : N.C            | : IN : Ground.  |
| pin 31                  | : IPOD-RX        | : IN : iPod signal input.   |
| pin 32                  | : IPOD-TX        | : O : iPod serial output.   |
| pin 33                  | : MIC-SELECT     | : O : The MIC position(LOW)/extraposition(HI) select.                           |
| pin 34                  | : DSC-CT12       | : O : 12MHz crystal oscillation switch of CD IC control .                       |
| pin 35                  | : DSC-CT13       | : O : 12MHz crystal oscillation switch of CD IC control .                       |
| pin 36                  | : Z-MUTE-CUT     | : O : 0 data mute cutting output port. (CD:HI(don't cut) excluding CD:LOW(cut)) |
| pin 37                  | : RDS-CLK        | : IN : Not in use.  |
| pin 38                  | : USB IN         | : IN : USB input terminal.  |
| pin 39                  | : EVOL-CLK       | : O : Clock pulse output to the volume IC.                                      |
| pin 40                  | : EVOL-DATA      | : I/O : The serial data output to the volume IC.                                |
| pin 41                  | : N.C            | : IN : Ground.  |
| pin 42                  | : CMD-ERR        | : IN : CD ERROR signal input.   |
| pin 43                  | : CD-MUTE        | : IN : CD muting signal output.   |
| pin 44                  | : N.C            | : IN : Ground.  |
| pin 45                  | : VDD            | : - : Positive voltage supply.  |
| pin 46                  | : VSS            | : - : Ground.   |
| pin 47                  | : N.C            | : IN : Ground.  |
| pin 48                  | : AMP REM        | : O : The control signal output to internal audio power amplifier.              |
| pin 49                  | : DSP-SCK        | : O : CD IC DSP_SCK communication line.   |
| pin 50                  | : DSP-SI         | : IN : CD IC DSP_SI communication line.   |
| pin 51                  | : DSP-SO         | : O : CD IC DSP_SO communication line.  |
| pin 52                  | : DSP-CE         | : O : CD IC DSP_CE communication line.  |
| pin 53                  | : N.C            | : IN : Ground.  |
| pin 54                  | : KEY-INT        | : IN : Key interrupting signal input.   |
| pin 55                  | : USB-EN         | : O : USB-IN input terminal.  |
| pin 56                  | : LDCONT         | : O : Loading signal output.  |
| pin 57                  | : AMP-MUTE       | : O : Muting signal output to the Audio Power Amplifier.                        |
| pin 58                  | : BLINK-LED      | : O : BLINK LED drive output.   |
| pin 59                  | : DSP-RESET      | : O : CD IC DSP-RESET output terminal.  |
| pin 60                  | : N.C            | : IN : Ground.  |
| pin 61                  | : DSP-BUSY       | : IN : CD IC DSP-BUSY output terminal.  |
| pin 62                  | : INT-AMPREM     | : O : INT_AMPREM signal output.   |
| pin 63                  | : LCD-CE         | : O : Chip select signal output to the LCD driver.                              |
| pin 64                  | : LCD SI/SO      | : I/O : The serial data input/output to the LCD driver.                         |
| pin 65                  | : LCD-CLK        | : O : The clock pulse output to the LCD driver.                                 |
| pin 66                  | : USB-OC         | : IN : USB over current.  |
| pin 67                  | : T BASE         | : O : Time base confirmation pin.   |
| pin 68                  | : N.C            | : IN : Ground.  |
| pin 69                  | : HD-RX          | : IN : HD signal input.   |
| pin 70                  | : HD-TX          | : O : HD serial output.   |
| pin 71                  | : ACC-DET        | : IN : ACC detection signal input.  |
| pin 72                  | : B/U DET        | : IN : Backup detection signal input.   |

|         |              |   |
|---------|--------------|---|
| pin 73  | : REMOCON    | : IN : Remote controller signal input terminal.               |
| pin 74  | : CATS-DET   | : IN : CATS detection signal input.                           |
| pin 75  | : SIRI-RX    | : IN : SIRIUS signal input.                                   |
| pin 76  | : SIRI-TX    | : O : SIRIUS serial output.                                   |
| pin 77  | : TEST OUT   | : O : HD / SSP / IPOD diagnostic results pin.                 |
| pin 78  | : ILL-REM    | : O : The power supply ON signal output for the illumination. |
| pin 79  | : VDD        | : - : Positive voltage supply.                                |
| pin 80  | : VSS        | : - : Ground.   |
| pin 81  | : E2P SCL    | : O : 24LC256M E2P ROM communication signal.                  |
| pin 82  | : E2P SDA    | : I/O : 24LC256M E2P ROM communication signal.                |
| pin 83  | : AUTO ANT   | : O : Auto antenna signal output.                             |
| pin 84  | : S-RESET    | : O : Reset signal input.                                     |
| pin 85  | : CTRL       | : O : Power supply ON signal output.                          |
| pin 86  | : HD-DET     | : IN : HD detection signal input.                             |
| pin 87  | : BT-RX      | : IN : Bluetooth signal input.                                |
| pin 88  | : BT-TX      | : O : Bluetooth serial output.                                |
| pin 89  | : REM ON     | : O : Remote controller signal input terminal.                |
| pin 90  | : SYSTEM-MUT | : O : System muting signal output.                            |
| pin 91  | : N.C        | : IN : Ground.  |
| pin 92  | : N.C        | : IN : Ground.  |
| pin 93  | : PHONE INT  | : IN : The telephone interrupt signal input.                  |
| pin 94  | : N.C        | : IN : Ground.  |
| pin 95  | : NC(CHUCK)  | : IN : CD MECHA CHUCK.  |
| pin 96  | : VDD        | : - : Positive voltage supply.                                |
| pin 97  | : VSS        | : - : Ground.   |
| pin 98  | : LPFO       | : - : PLLVCO connection terminal for LPF.                     |
| pin 99  | : LIMIT      | : IN : Inside limit switch signal input for the pickup.       |
| pin 100 | : LDMUTE     | : O : Muting signal output to the CD mechanism.               |

| 051-6754-00             | LC786960  | CD System controller   |
|-------------------------|-----------|--|
| 1. Terminal Description |           |  |
| pin 1                   | : EFMIN   | : IN : RF signal input.  |
| pin 2                   | : RFOUT   | : O : RF signal output.  |
| pin 3                   | : LPF     | : - : RF signal DC level detection low-pass filter capacitor connection. |
| pin 4                   | : PHLPF   | : - : Defect detection low-pass filter capacitor connection.             |
| pin 5                   | : AIN     | : IN : A signal input.   |
| pin 6                   | : CIN     | : IN : C signal input.   |
| pin 7                   | : BIN     | : IN : B signal input.   |
| pin 8                   | : DIN     | : IN : D signal input.   |
| pin 9                   | : SLCISET | : O : SLCO output current setting resistor connection.                   |
| pin 10                  | : RFMON   | : - : IC internal analog signal monitor 1.                               |
| pin 11                  | : VREF    | : O : VREF voltage output.   |
| pin 12                  | : JITTC   | : - : Jitter detection capacitor connection.                             |
| pin 13                  | : EIN     | : IN : E signal input.   |
| pin 14                  | : FIN     | : IN : F signal input.   |
| pin 15                  | : TEOUT   | : O : TE signal output.  |
| pin 16                  | : TEIN    | : IN : TE signal input used for TES signal generation.                   |
| pin 17                  | : LDD     | : O : Laser power control signal output.                                 |
| pin 18                  | : LDS     | : IN : Laser power detection signal input.                               |
| pin 19                  | : AVSS    | : - : Analog system ground. This pin must be connected to the 0V level.  |
| pin 20                  | : AVDD    | : - : Analog system power supply.  |
| pin 21                  | : FDO     | : O : Focus control signal output.                                       |
| pin 22                  | : TDO     | : O : Tracking control signal output.                                    |
| pin 23                  | : SLDO    | : O : Sled control signal output.  |
| pin 24                  | : SPDO    | : O : Spindle control signal output.                                     |
| pin 25                  | : VVDD1   | : - : EFMPPLL power supply.  |
| pin 26                  | : PDOUT1  | : O : EFMPPLL charge pump output 1                                       |
| pin 27                  | : PDOUT0  | : O : EFMPPLL charge pump output 0.                                      |
| pin 28                  | : PCNCNT  | : IN : EFMPPLL charge pump control voltage input.                        |
| pin 29                  | : PCKIST  | : IN : EFMPPLL charge pump current setting resistor connection pin.      |
| pin 30                  | : VVSS1   | : - : EFMPPLL ground. This pin must be connected to the 0V level.        |
| pin 31                  | : GP10    | : I/O : General purpose I/O port with pull down resistor                 |
| pin 32                  | : GP11    | : I/O : General purpose I/O port with pull down resistor                 |
| pin 33                  | : GP12    | : I/O : General purpose I/O port with pull down resistor                 |
| pin 34                  | : GP13    | : I/O : General purpose I/O port with pull down resistor                 |
| pin 35                  | : DVDD    | : - : Digital system power supply.                                       |
| pin 36                  | : DVSS    | : - : Digital system ground. This pin must be connected to the 0V level. |
| pin 37                  | : GP43    | : I/O : General purpose I/O port with pull down resistor                 |
| pin 38                  | : GP44    | : I/O : General purpose I/O port with pull down resistor                 |
| pin 39                  | : GP45    | : I/O : General purpose I/O port with pull down resistor                 |
| pin 40                  | : DVDD    | : - : Digital system power supply.                                       |
| pin 41                  | : DVSS    | : - : Digital system ground. This pin must be connected to the 0V level. |
| pin 42                  | : DVDD15  | : IN : Capacitor connection pin for internal regulator.                  |

|         |          |   |        |            |   |
|---------|----------|---|--------|------------|---|
| pin 43  | : GP50   | : I/O : General purpose I/O port with pull down resistor.                   | pin 14 | : PCM_OUT  | : O : Synchronous data output.  |
| pin 44  | : GP51   | : I/O : General purpose I/O port with pull down resistor.                   | pin 15 | : AIO0     | : I/O : Analogue programmable input/output line.  |
| pin 45  | : GP52   | : I/O : General purpose I/O port with pull down resistor.                   | pin 16 | : AIO1     | : I/O : Analogue programmable input/output line.  |
| pin 46  | : GP53   | : I/O : General purpose I/O port with pull down resistor.                   | pin 17 | : PIO12    | : I/O : Programmable input/output line.   |
| pin 47  | : GP30   | : I/O : General purpose I/O port with pull down resistor.                   | pin 18 | : GND      | : - : Ground.   |
| pin 48  | : GP31   | : I/O : General purpose I/O port with pull down resistor.                   | pin 19 | : POWER    | : O : +3.3V Supply  |
| pin 49  | : GP32   | : I/O : General purpose I/O port with pull down resistor.                   | pin 20 | : USB_DP   | : I/O : USB data plus with selectable internal<br>1.5k $\Omega$ pull-up resistor                                      |
| pin 50  | : GP33   | : I/O : General purpose I/O port with pull down resistor.                   | pin 21 | : USB_DN   | : : USB data minus.   |
| pin 51  | : GP34   | : I/O : General purpose I/O port with pull down resistor.                   | pin 22 | : UART_RTS | : O : UART request to send active low.  |
| pin 52  | : GP35   | : I/O : General purpose I/O port with pull down resistor.                   | pin 23 | : UART_CTS | : O : UART clear to send active low.  |
| pin 53  | : GP36   | : I/O : General purpose I/O port with pull down resistor.                   | pin 24 | : UART_TX  | : O : UART data output.   |
| pin 54  | : GP37   | : I/O : General purpose I/O port with pull down resistor.                   | pin 25 | : UARTR_RX | : IN : UART data input.   |
| pin 55  | : MODE0  | : IN : LSI mode set pin 0 This pin must be<br>connected to the 0V level.    | pin 26 | : RESET    | : O : Reset If Low.   |
| pin 56  | : MODE1  | : IN : LSI mode set pin 1 This pin must be connected<br>to the 0V level.    | pin 27 | : GND      | : - : Ground.   |
| pin 57  | : DVDD   | : - : Digital system power supply.  | pin 28 | : PIO4     | : I/O : Programmable input/output line.   |
| pin 58  | : DVSS   | : - : Digital system ground. This pin must be<br>connected to the 0V level. | pin 29 | : PIO5     | : I/O : Programmable input/output line.   |
| pin 59  | : RESB   | : IN : IC reset input ("L"-active).   | pin 30 | : PIO6     | : I/O : Programmable input/output line.   |
| pin 60  | : SIFCK  | : IN : Host-I/F.  | pin 31 | : PIO7     | : I/O : Programmable input/output line.   |
| pin 61  | : SIFDI  | : IN : Host-I/F.  | pin 32 | : SPI_MOSI | : IN : SPI data input.  |
| pin 62  | : SIFDO  | : IN : Host-I/F.  | pin 33 | : SPI_CSB  | : O : Chip select for SPI, active low.  |
| pin 63  | : SIFCE  | : IN : Host -I/F.   | pin 34 | : SPI_CLK  | : O : SPI clock.  |
| pin 64  | : BUSYB  | : IN : Host -I/F.   | pin 35 | : SPI_MISO | : O : SPI data output.  |
| pin 65  | : GP03   | : I/O : General purpose I/O port with pull down resistor.                   | pin 36 | : PIO10    | : I/O : Programmable input/output line.   |
| pin 66  | : GP04   | : I/O : General purpose I/O port with pull down resistor.                   | pin 37 | : PIO11    | : I/O : Programmable input/output line.   |
| pin 67  | : GP05   | : I/O : General purpose I/O port with pull down resistor.                   | pin 38 | : PIO3     | : I/O : Programmable input/output line.   |
| pin 68  | : GP06   | : I/O : General purpose I/O port with pull down resistor.                   | pin 39 | : PIO2     | : I/O : Programmable input/output line.   |
| pin 69  | : GP07   | : I/O : General purpose I/O port with pull down resistor.                   | pin 40 | : PIO1     | : I/O : Programmable input/output line.   |
| pin 70  | : XVDD1  | : - : Oscillator power supply.  | pin 41 | : PIO0     | : I/O : Programmable input/output line(external RXEN).  |
| pin 71  | : XIN    | : IN : 12MHz oscillator connection.   | pin 42 | : PIO8     | : I/O : Programmable input/output line.   |
| pin 72  | : XOUT   | : O : 12MHz oscillator connection.  | pin 43 | : PIO9     | : I/O : Programmable input/output line.   |
| pin 73  | : XVSS1  | : - : Oscillator ground.<br>This pin must be connected to the 0V level.     | pin 44 | : GND      | : - : Ground.   |
| pin 74  | : UDM    | : I/O : USB data input/output D $-$ signal connection.                      | pin 45 | : AUX_DAC  | : O : 8-bit voltage output DAC.   |
| pin 75  | : UDP    | : I/O : USB data input/output D $+$ signal connection.                      | pin 46 | : GND      | : - : Ground.   |
| pin 76  | : UVDD   | : - : USB power supply.   | pin 47 | : ANT      | : IN : RF Interface.  |
| pin 77  | : VVDD2  | : - : System PLL power supply.  | pin 48 | : GND      | : - : Ground.   |
| pin 78  | : VVSS2  | : - : System PLL ground.<br>This pin must be connected to the 0V level.     | pin 49 | : GND      | : - : Ground.   |
| pin 79  | : AFILT  | : - : Audio PLL charge pump output.   | pin 50 | : VBUS     | : IN : Lithium ion/polymer battery charger input.   |
| pin 80  | : VVDD3  | : - : Audio PLL power supply.   | pin 51 | : VBATT    | : O : Lithium ion/polymer battery positive<br>terminal. Battery charger output and<br>input to switch-mode regulator. |
| pin 81  | : MODE2  | : IN : LSI mode set pin 2 .<br>This pin must be connected to the 0V level.  | pin 52 | : GND      | : - : Ground.   |
| pin 82  | : JTRSTB | : IN : JTAG reset input .   | pin 53 | : MIC_BIAS | : O : 2.7V/Programmable Mic Bias Output.  |
| pin 83  | : JTCK   | : IN : JTAG clock input .   |        |            |   |
| pin 84  | : JTDI   | : IN : JTAG data input .  |        |            |   |
| pin 85  | : JTMS   | : IN : JTAG mode input.   |        |            |   |
| pin 86  | : JTDO   | : O : JTAG data output.   |        |            |   |
| pin 87  | : JTRTCK | : O : JTAG return clock output .  |        |            |   |
| pin 88  | : DVDD   | : - : Digital system power supply.  |        |            |   |
| pin 89  | : DVSS   | : - : Digital system ground.<br>This pin must be connected to the 0V level. |        |            |   |
| pin 90  | : DVDD15 | : IN : Capacitor connection pin for internal regulator.                     |        |            |   |
| pin 91  | : XVSS2  | : - : Oscillator ground.<br>This pin must be connected to the 0V level.     |        |            |   |
| pin 92  | : X16OUT | : O : 16.9344MHz oscillator connection.                                     |        |            |   |
| pin 93  | : X16IN  | : IN : 16.9344MHz oscillator connection.                                    |        |            |   |
| pin 94  | : XVDD2  | : - : Oscillator power supply.  |        |            |   |
| pin 95  | : LRVDD  | : - : Audio LPF power supply.   |        |            |   |
| pin 96  | : LCHO   | : O : Audio Lch data output.  |        |            |   |
| pin 97  | : LRREF  | : IN : Reference voltage for audio LPF.                                     |        |            |   |
| pin 98  | : RCHO   | : O : Audio Rch data output.  |        |            |   |
| pin 99  | : LRVSS  | : - : Audio LPF ground.<br>This pin must be connected to the 0V level.      |        |            |   |
| pin 100 | : SLCO   | : O : Slice Level Control output.   |        |            |   |

051-3730-00 LV5680P Power IC

| Pin No. | Terminal | Function  |
|---------|----------|---|
| 1       | ILM      | ILM OUT At CTRL1=M1,M2,H,<br>OUT=ON 12.0V/300mA |
| 2       | ILM_F    | ILM Feed back                                   |
| 3       | CD       | CD OUT At CTRL2=M,H,<br>OUT=ON 12.0V/300mA      |
| 4       | AUDIO_F  | AUDIO Feed back                                 |
| 5       | AUDIO    | AUDIO OUT At CTRL2=M,H, OUT=ON                  |
| 6       | CTRL2    | CTRL2(Input) 3 Values input                     |
| 7       | VCC      | Power   |
| 8       | CTRL1    | CTRL1(Input) 4 Values input                     |
| 9       | GND      | GND   |
| 10      | ACC      | Accessory detector(input)                       |
| 11      | ACC5V    | Accessory OUT<br>At ACC > 3V, OUT=ON            |
| 12      | VDD5V    | VDD5V OUT 5.0V/500mA                            |
| 13      | SW5V     | SW5V OUT<br>At CTRL2=M,H, OUT=ON                |
| 14      | ANT      | ANT OUT At CTRL1=H, OUT=ON<br>VCC-0.5V/300mA    |
| 15      | EXT      | EXT OUT At CTRL1=M2,H,<br>OUT=ON VCC-0.5V/350mA |

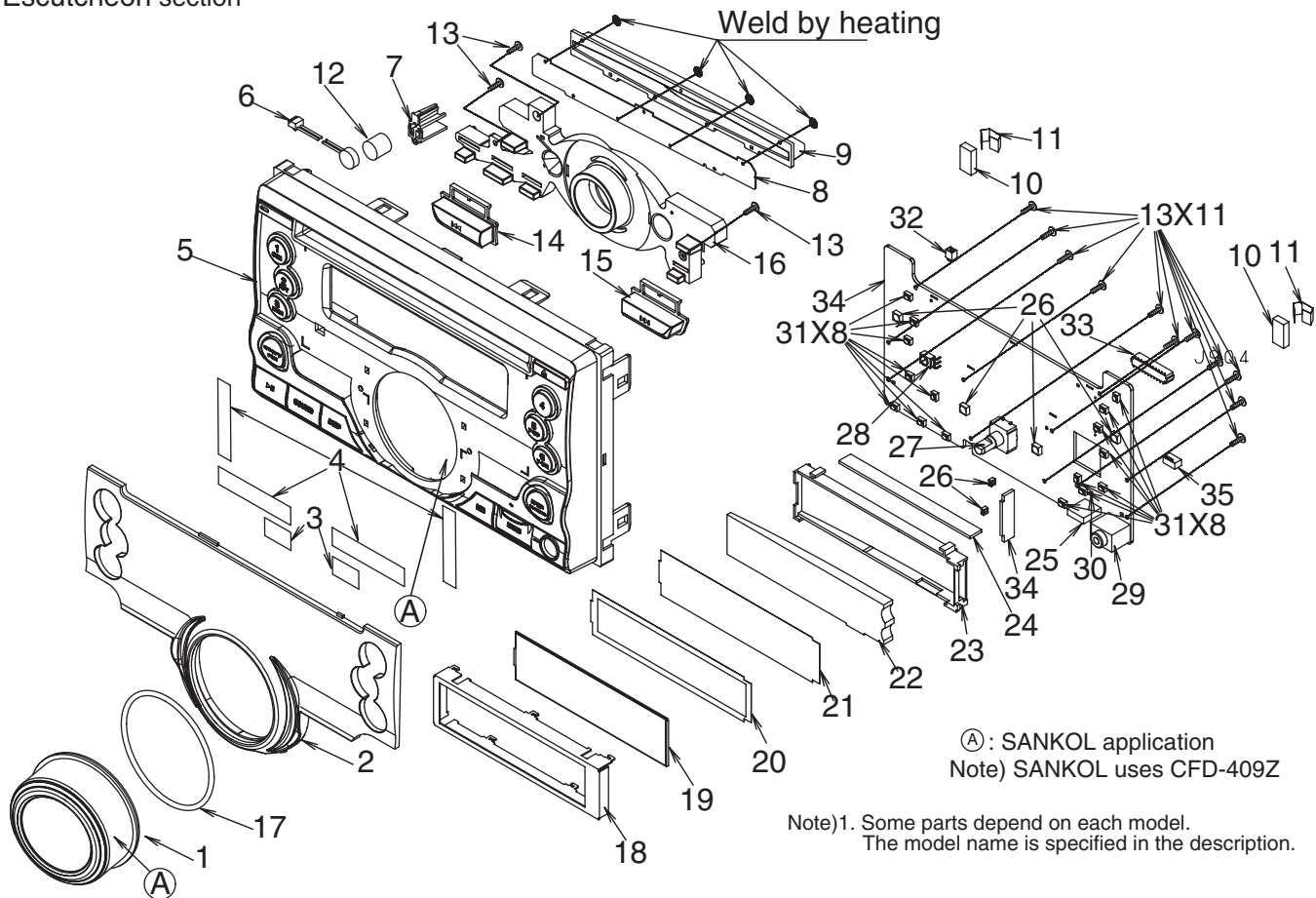
060-8123-90 GTBM501 Bluetooth System controller

#### 1.Terminal Description

|        |            |  |
|--------|------------|--|
| pin 1  | : SPK_A_N  | : O : Speaker output negative (left side).     |
| pin 2  | : SPK_A_P  | : O : Speaker output positive (left side).     |
| pin 3  | : SPK_B_N  | : O : Speaker output negative (right side).    |
| pin 4  | : SPK_B_P  | : O : Speaker output positive (right side).    |
| pin 5  | : GND      | : - : Ground.                                  |
| pin 6  | : MIC_A_P  | : IN : Microphone input positive (left side).  |
| pin 7  | : MIC_A_N  | : IN : Microphone input negative (left side).  |
| pin 8  | : MIC_B_P  | : IN : Microphone input positive (right side). |
| pin 9  | : MIC_B_N  | : IN : Microphone input negative (right side). |
| pin 10 | : NC       | : IN : Not in use.                             |
| pin 11 | : PCM_IN   | : IN : Synchronous data input.                 |
| pin 12 | : PCM_SYNC | : - : Synchronous data sync.                   |
| pin 13 | : PCM_CLK  | : - : Synchronous data clock.                  |

# EXPLODED VIEW / PARTS LIST

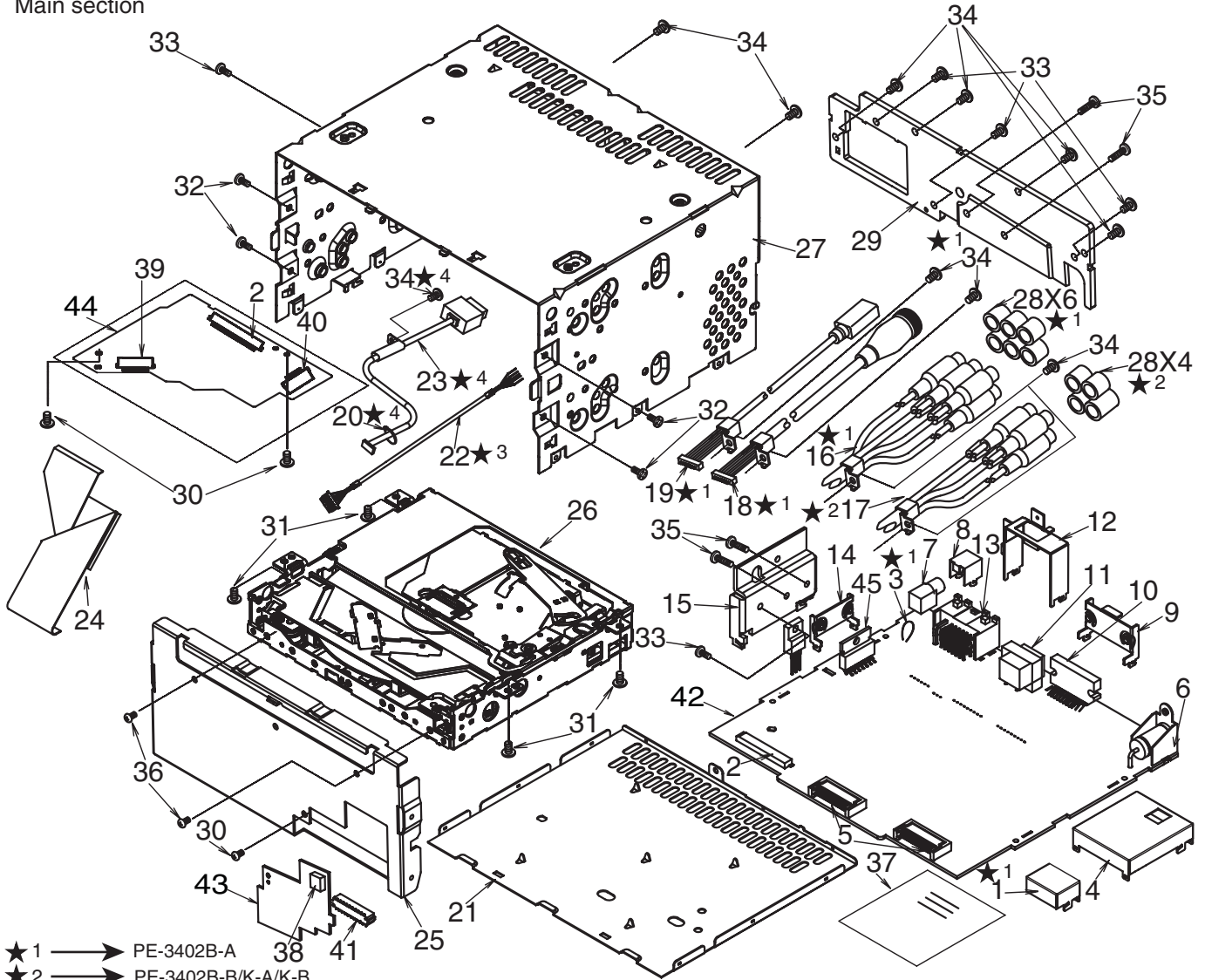
Escutcheon section



| NO. | PART NO.    | DESCRIPTION           | Q'TY | NO. | PART NO.    | DESCRIPTION              | Q'TY |
|-----|-------------|-----------------------|------|-----|-------------|--------------------------|------|
| 1   | 947-0785-00 | KNOB ASSY             | 1    | 18  | 331-5080-00 | LCD COVER                | 1    |
| 2   | 947-0784-00 | DIAL ASSY             | 1    | 19  | 379-1457-51 | INDICATOR(LCD)           | 1    |
| 3   | 347-8918-00 | DOUBLE FACE           | 2    | 20  | 347-8922-00 | BLACK FILM               | 1    |
| 4   | 347-8298-00 | DOUBLE FACE           | 4    | 21  | 347-8921-00 | WHITE FILM               | 1    |
| 5   | 940-8602-00 | ES ASSY(PE-3402B-A)   | 1    | 22  | 335-9037-00 | LCD ILLUMI               | 1    |
|     | 940-8602-08 | ES ASSY(PE-3402B-B)   | 1    | 23  | 335-9038-00 | LCD HOLDER               | 1    |
|     | 940-8602-02 | ES ASSY(PE-3402K-A)   | 1    | 24  | 345-6526-00 | RUBBER PART              | 1    |
|     | 940-8602-07 | ES ASSY(PE-3402K-B)   | 1    | 25  | 074-4036-50 | USB JACK(PE-3402B-A/K-B) | 1    |
| 6   | 081-0040-00 | MICRIPHONE            | 1    | 26  | 001-7088-92 | DIODE                    | 6    |
| 7   | 382-9582-00 | BUTTON(RESET)         | 1    | 27  | 016-9900-94 | VR W/SHAFT               | 1    |
| 8   | 346-0209-00 | LEATHER SHEET         | 1    | 28  | 060-4021-00 | IR-RECEIVER              | 1    |
| 9   | 371-3827-03 | TRIM PLATE            | 1    | 29  | 075-9021-50 | AUX JACK                 | 1    |
| 10  | 345-5312-00 | CUSHION               | 2    | 30  | 001-7062-90 | DIODE                    | 1    |
| 11  | 347-7321-00 | E-SHEET               | 2    | 31  | 013-6312-50 | TACT SWITCH              | 16   |
| 12  | 345-6422-00 | SPONGE                | 1    | 32  | 076-0478-52 | PLUG(2P)                 | 1    |
| 13  | 716-0872-51 | SPECIAL SCREW(M1.7x5) | 14   | 33  | 074-3014-72 | OUTLET SOCKET(22P)       | 1    |
| 14  | 382-9580-00 | BUTTON(FW)            | 1    | 34  | -----       | SWITCH PWB1              | 1    |
| 15  | 382-9579-00 | BUTTON(FF)            | 1    |     | -----       | SWITCH PWB2              | 1    |
| 16  | 335-9044-00 | ILLUMI(MID)           | 1    | 35  | 076-0502-55 | PLUG(5P)(PE-3402B-A/K-B) | 1    |
| 17  | 347-8968-00 | FILM                  | 1    |     |             |                          |      |



Main section



- ★ 1 → PE-3402B-A
- ★ 2 → PE-3402B-B/K-A/K-B
- ★ 3 → PE-3402B-A/K-B    ★ 4 → PE-3402B-B/K-A

| NO. | PART NO.    | DESCRIPTION           | Q'TY |
|-----|-------------|-----------------------|------|
| 1   | 331-2869-00 | SHIELD CASE ★ 1       | 1    |
| 2   | 074-2226-90 | OUTLET SOCKET(40P)    | 2    |
| 3   | 321-0969-00 | CLAMP ★ 1             | 1    |
| 4   | 331-4794-00 | TUNER BRKT            | 1    |
| 5   | 076-0648-22 | PLUG(22P)             | 2    |
| 6   | 092-4000-51 | ANT-RECEPT            | 1    |
| 7   | 075-0393-50 | JACK                  | 1    |
| 8   | 331-4533-00 | JACK HOLDER           | 1    |
| 9   | 331-3459-00 | IC HOLDER             | 1    |
| 10  | 051-2074-00 | IC                    | 1    |
| 11  | 009-9006-60 | CHOKE                 | 1    |
| 12  | 331-4749-01 | CONNECTOR HOLDER      | 1    |
| 13  | 074-1214-50 | OUTLET SOCKET(16P)    | 1    |
| 14  | 331-5081-00 | IC HOLDER             | 1    |
| 15  | 313-2039-03 | HEAT SINK             | 1    |
| 16  | 855-5562-51 | RCA PIN CORD(6CH) ★ 1 | 1    |
| 17  | 855-5585-50 | RCA PIN CORD(4CH) ★ 2 | 1    |
| 18  | 855-2508-50 | SSP MINI DIN CORD ★ 1 | 1    |
| 19  | 855-2507-50 | HD MINI DIN CORD ★ 1  | 1    |
| 20  | 335-0833-01 | LEAD HOLDER ★ 4       | 1    |
| 21  | 311-1859-08 | LOWER CASE            | 1    |
| 22  | 854-4620-50 | USB LEAD ★ 3          | 1    |
| 23  | 855-0642-50 | USB CABLE ★ 4         | 1    |
| 24  | 816-3063-55 | FLAT WIRE             | 1    |
| 25  | 331-4537-02 | ES PLATE              | 1    |

| NO. | PART NO.    | DESCRIPTION            | Q'TY |
|-----|-------------|------------------------|------|
| 26  | 929-5110-80 | CD-MECH-MODULE         | 1    |
| 27  | 310-1973-00 | UPPER CASE             | 1    |
| 28  | 345-3799-20 | RUBBER PART ★ 1        | 6    |
|     | 345-3799-20 | RUBBER PART ★ 2        | 4    |
| 29  | 313-2006-14 | HEAT SINK              | 1    |
| 30  | 716-1670-01 | SCREW(M2X4)            | 3    |
| 31  | 714-2603-8B | MACHINE SCREW(M2.6x3)  | 4    |
| 32  | 714-2606-8B | MACHINE SCREW(M2.6x6)  | 4    |
| 33  | 714-3006-8B | MACHINE SCREW(M3x6)    | 5    |
| 34  | 731-3008-89 | TAPTIGHT(M3X8)         | 9    |
| 35  | 714-2610-8B | MACHINE SCREW(M2.6x10) | 4    |
| 36  | 731-2604-8H | TAPTIGHT(M2.6X4)       | 2    |
| 37  | 276-0793-00 | SETPLATE(PE-3402B-A)   | 1    |
|     | 276-0861-00 | SETPLATE(PE-3402B-B)   | 1    |
|     | 276-0832-00 | SETPLATE(PE-3402K-A)   | 1    |
|     | 276-0860-00 | SETPLATE(PE-3402K-B)   | 1    |
| 38  | 060-8105-50 | ANT RECEPT             | 1    |
| 39  | 074-2215-65 | OUTLET SOCKET(15P)     | 1    |
| 40  | 074-2215-60 | OUTLET SOCKET(10P)     | 1    |
| 41  | 074-3014-72 | OUTLET SOCKET(22P)     | 1    |
| 42  | -----       | MAIN PWB               | 1    |
| 43  | -----       | BT PWB                 | 1    |
| 44  | -----       | MECH PWB               | 1    |
| 45  | 051-3730-00 | IC                     | 1    |

# ELECTRICAL PARTS LIST

Note)1. Some parts depend on each model.  
The model name is specified in the description.

## Main PWB(B1) section

| REF No. | PART No.    | DESCRIPTION   | REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION  |
|---------|-------------|---------------|---------|-------------|-------------|---------|-------------|--|
| ANT201  | 092-4000-51 | ANTENNA RECEP | C214    | 168-1052-78 | 16V 1uF     | C420    | 187-2263-35 | 16V 22uF   |
| C101    | 187-1073-35 | 16V 100uF     | C215    | 168-1032-55 | 0.01uF K    | C421    | 043-1735-90 | 100pF CH   |
| C102    | 187-1073-35 | 16V 100uF     | C216    | 168-1032-55 | 0.01uF K    | C422    | 043-1735-90 | 100pF CH   |
| C103    | 043-1735-90 | 100pF CH      | C217    | 168-1042-78 | 16V 0.1uF   | C423    | 043-1735-90 | 100pF CH   |
| C104    | 043-1835-90 | 3900pF        | C218    | 168-2242-58 | 0.22uF B    | C424    | 043-1735-90 | 100pF CH   |
| C105    | 043-1619-90 | 0.068uF       | C219    | 168-2232-55 | 0.022uF K   | C425    | 178-4742-78 | 0.47uF   |
| C106    | 168-1022-55 | 1000pF K      | C220    | 177-1062-78 | 10pF        | C426    | 187-1053-65 | 50V 1uF  |
| C107    | 043-1735-90 | 100pF CH      | C221    | 168-1042-78 | 16V 0.1uF   | C427    | 172-1041-11 | 0.1uF  |
| C108    | 189-1083-32 | 16V 1000uF    | C222    | 168-1042-78 | 16V 0.1uF   | C428    | 042-1447-00 | 16V 2200uF   |
| C109    | 043-1719-90 | 22pF CH       | C223    | 166-1201-50 | 12pF CH     | D100    | 001-4301-41 | HZU 7.5B2  |
| C110    | 043-1802-90 | 0.01uF        | C247    | 166-1201-50 | 12pF CH     | D101    | 001-1323-90 | L1SS355T1G   |
| C111    | 043-1719-90 | 22pF CH       | C249    | 168-1042-78 | 16V 0.1uF   | D106    | 001-1310-00 | KDS160-RTK   |
| C112    | 042-1577-00 | 6.3V 100uF    | C301    | 043-1838-90 | 4700pF      | D107    | 001-4301-26 | HZU4.7B2   |
| C113    | 168-1042-78 | 16V 0.1uF     | C302    | 043-1841-90 | 0.047uF     | D109    | 001-0466-61 | 1A4  |
| C114    | 168-3332-78 | 0.033uF K     | C303    | 043-1838-90 | 4700pF      | D110    | 001-4301-26 | HZU4.7B2   |
| C115    | 168-1042-78 | 16V 0.1uF     | C304    | 187-1063-35 | 16V 10uF    | D111    | 001-0466-61 | 1A4  |
| C116    | 187-1073-35 | 16V 100uF     | C305    | 187-1063-35 | 16V 10uF    | D112    | 001-1310-00 | KDS160-RTK   |
| C117    | 043-1802-90 | 0.01uF        | C308    | 187-1053-65 | 50V 1uF     | D113    | 001-1310-00 | KDS160-RTK   |
| C118    | 043-1802-90 | 0.01uF        | C309    | 187-1053-65 | 50V 1uF     | D121    | 001-0466-61 | 1A4  |
| C119    | 043-1800-90 | 1000pF        | C310    | 187-1053-65 | 50V 1uF     | D160    | 001-1310-00 | KDS160-RTK   |
| C120    | 168-1032-55 | 0.01uF K      | C311    | 187-1053-65 | 50V 1uF     | D203    | 001-2630-90 | 1SS420-TPL3,F  |
| C121    | 187-2253-65 | 50V 2.2uF     | C314    | 187-1063-35 | 16V 10uF    | D303    | 001-4316-17 | LM3Z4V3T1G   |
| C123    | 043-1804-90 | 0.1uF         | C315    | 187-1063-35 | 16V 10uF    | D401    | 001-4316-24 | LM3Z8V2T1G   |
| C124    | 187-2273-15 | 6.3V 220uF    | C316    | 187-1063-35 | 16V 10uF    | D403    | 001-1310-00 | KDS160-RTK   |
| C125    | 043-1735-90 | 100pF CH      | C317    | 187-1063-35 | 16V 10uF    | D404    | 001-1310-00 | KDS160-RTK   |
| C126    | 187-1063-35 | 16V 10uF      | C318    | 187-1063-35 | 16V 10uF    | D405    | 001-1310-00 | KDS160-RTK   |
| C127    | 187-2253-65 | 50V 2.2uF     | C319    | 187-1063-35 | 16V 10uF    | D406    | 001-0592-61 | 1N5404   |
| C128    | 187-1063-35 | 16V 10uF      | C320    | 043-1804-90 | 0.1uF       | D601    | 001-0529-20 | MA8039-L   |
| C129    | 187-1053-65 | 50V 1uF       | C321    | 043-1804-90 | 0.1uF       | IC101   | -----       | LC88F40HOPAU-QIP<br>(Software should be<br>written on<br>production)<br>(034900-052) |
| C130    | 043-1735-90 | 100pF CH      | C322    | 187-4763-15 | 6.3V 47uF   | IC102   | 051-3218-90 | TA76431F   |
| C131    | 043-1841-90 | 0.047uF       | C324    | 043-1723-90 | 33pF CH     | IC103   | -----       | 24LC256I-SN<br>(E2PROM Data<br>should be written on<br>production)<br>(942990-051)   |
| C132    | 043-1804-90 | 0.1uF         | C325    | 043-1804-90 | 0.1uF       | IC104   | 051-5438-08 | S-80830CN  |
| C133    | 187-1073-35 | 16V 100uF     | C326    | 043-1804-90 | 0.1uF       | IC105   | 051-5437-58 | R3111N211A   |
| C134    | 187-1073-35 | 16V 100uF     | C327    | 043-1804-90 | 0.1uF       | IC106   | 051-3535-90 | MM3144ANRE   |
| C135    | 187-3363-45 | 25V 33uF      | C328    | 043-1804-90 | 0.1uF       | IC107   | 051-3730-00 | LV5680P  |
| C136    | 187-1063-35 | 16V 10uF      | C329    | 187-1063-35 | 16V 10uF    | IC108   | 051-3577-90 | S-1206B33-U3TIG  |
| C138    | 187-1063-35 | 16V 10uF      | C330    | 043-1804-90 | 0.1uF       | IC201   | 051-4028-90 | TEF6606  |
| C139    | 187-1063-35 | 16V 10uF      | C331    | 043-1800-90 | 1000pF      | IC301   | 051-3060-90 | AZ4558M  |
| C140    | 168-2242-58 | 0.22uF B      | C333    | 187-1063-35 | 16V 10uF    | IC302   | 051-5048-90 | NJW1222  |
| C141    | 043-1804-90 | 0.1uF         | C334    | 187-1063-35 | 16V 10uF    | IC303   | 051-3060-90 | AZ4558M  |
| C145    | 043-1802-90 | 0.01uF        | C335    | 187-1063-35 | 16V 10uF    | IC307   | 051-3059-90 | NJM2120M   |
| C147    | 187-1053-65 | 50V 1uF       | C336    | 043-1804-90 | 0.1uF       | IC402   | 051-2074-00 | LV47017P   |
| C148    | 043-1804-90 | 0.1uF         | C337    | 043-1804-90 | 0.1uF       | J100    | 075-0393-50 | 3P   |
| C149    | 043-1804-90 | 0.1uF         | C338    | 187-4763-35 | 16V 47uF    | J102    | 076-0648-22 | 22P  |
| C150    | 043-1804-90 | 0.1uF         | C339    | 043-1735-90 | 100pF CH    | J105    | 074-2226-90 | 40P  |
| C151    | 165-1063-35 | 16V 10uF      | C340    | 043-1735-90 | 100pF CH    | J301    | 076-0648-22 | 22P  |
| C152    | 043-1804-90 | 0.1uF         | C341    | 187-1053-65 | 50V 1uF     | J401    | 074-1214-50 | 16P  |
| C153    | 168-2242-58 | 0.22uF B      | C342    | 187-1053-65 | 50V 1uF     | L102    | 010-3100-66 | 2.2uH  |
| C154    | 187-1063-35 | 16V 10uF      | C343    | 043-1735-90 | 100pF CH    | L103    | 010-3100-66 | 2.2uH  |
| C156    | 168-2242-58 | 0.22uF B      | C344    | 043-1735-90 | 100pF CH    | L104    | 010-3100-66 | 2.2uH  |
| C157    | 187-1063-35 | 16V 10uF      | C345    | 043-1735-90 | 100pF CH    | L105    | 010-3407-59 | 5.6uH J  |
| C158    | 168-2242-58 | 0.22uF B      | C346    | 043-1735-90 | 100pF CH    | L106    | 010-3105-67 | 1.5k ohm/100kHz  |
| C159    | 168-2242-58 | 0.22uF B      | C360    | 043-1819-90 | 2200pF      | L201    | 010-2003-04 | 30uH   |
| C160    | 187-1063-35 | 16V 10uF      | C361    | 043-1819-90 | 2200pF      | L202    | 010-3406-50 | 1uH J  |
| C161    | 168-2242-58 | 0.22uF B      | C364    | 043-1806-90 | 1pF         | L203    | 010-3406-53 | 1.8uH J  |
| C162    | 165-1063-35 | 16V 10uF      | C365    | 043-1806-90 | 1pF         | L204    | 010-3406-43 | 0.27uH J   |
| C201    | 166-2096-50 | 2pF CK        | C366    | 043-1715-90 | 15pF CH     | L205    | 010-3062-54 | LQH31HNR2  |
| C202    | 166-2201-50 | 22pF CH       | C367    | 043-1806-90 | 1pF         | L206    | 010-4054-00 | #886ANS-0904QH   |
| C203    | 168-1022-55 | 1000pF K      | C370    | 187-4763-15 | 6.3V 47uF   | L207    | 010-3072-90 | 560uH  |
| C204    | 168-1022-55 | 1000pF K      | C371    | 187-1073-35 | 16V 100uF   | L208    | 010-3072-90 | 560uH  |
| C205    | 166-1201-50 | 12pF CH       | C372    | 187-2273-15 | 6.3V 220uF  | L209    | 010-3105-62 | 1k ohm/100MHz  |
| C206    | 168-1032-55 | 0.01uF K      | C409    | 178-4742-78 | 0.47uF      |         |             |  |
| C207    | 168-1032-55 | 0.01uF K      | C410    | 178-4742-78 | 0.47uF      |         |             |  |
| C208    | 168-1052-78 | 16V 1uF       | C411    | 178-4742-78 | 0.47uF      |         |             |  |
| C209    | 168-2242-58 | 0.22uF B      | C412    | 178-4742-78 | 0.47uF      |         |             |  |
| C210    | 166-1501-50 | 15pF CH       | C415    | 187-1063-35 | 16V 10uF    |         |             |  |
| C211    | 166-3901-50 | 39pF CH       | C417    | 187-1063-35 | 16V 10uF    |         |             |  |
| C212    | 168-2242-58 | 0.22uF B      | C418    | 187-1063-35 | 16V 10uF    |         |             |  |
| C213    | 168-1042-78 | 16V 0.1uF     | C419    | 187-1063-35 | 16V 10uF    |         |             |  |

| REF No. | PART No.    | DESCRIPTION     | REF No. | PART No.    | DESCRIPTION       | REF No. | PART No.    | DESCRIPTION            |
|---------|-------------|-----------------|---------|-------------|-------------------|---------|-------------|------------------------|
| L210    | 010-3105-62 | 1k ohm/100MHz   | R131    | 119-1031-15 | 1/10W 10k ohm     | R311    | 032-0140-89 | 1/10W 47k ohm F        |
| L213    | 010-3407-58 | 4.7uH J         | R132    | 119-3321-15 | 1/10W 3.3k ohm    | R312    | 032-0140-89 | 1/10W 47k ohm F        |
| L214    | 010-2198-87 | 82NH            | R133    | 032-0140-56 | 1/10W 12k ohm F   | R313    | 119-1021-15 | 1/10W 1k ohm           |
| L302    | 010-3105-62 | 1k ohm/100MHz   | R134    | 119-2241-15 | 1/10W 220k ohm    | R314    | 119-1021-15 | 1/10W 1k ohm           |
| L303    | 010-3104-54 | 600 ohm/100MHz  | R135    | 032-0215-59 | 1/10W 3.9k ohm(F) | R315    | 119-0000-05 | 1/10W 0 ohm JW         |
| Q101    | 125-9017-92 | UMD3N-TR        | R136    | 119-1031-15 | 1/10W 10k ohm     | R316    | 032-0140-89 | 1/10W 47k ohm F        |
| Q102    | 103-2394-00 | 2SD2394         | R137    | 119-1041-15 | 1/10W 100k ohm    | R317    | 032-0140-89 | 1/10W 47k ohm F        |
| Q104    | 190-1576-00 | 2SA1576A        | R138    | 119-2241-15 | 1/10W 220k ohm    | R318    | 119-1031-15 | 1/10W 10k ohm          |
| Q105    | 125-2027-92 | DTC124EUA       | R139    | 119-5621-15 | 1/10W 5.6k ohm    | R319    | 119-1031-15 | 1/10W 10k ohm          |
| Q106    | 125-3015-90 | 3CG1298         | R14     | 119-1541-15 | 1/10W 150k ohm    | R320    | 119-1031-15 | 1/10W 10k ohm          |
| Q109    | 125-2027-91 | DTC114EUA       | R140    | 119-2231-15 | 1/10W 22k ohm     | R321    | 119-1031-15 | 1/10W 10k ohm          |
| Q110    | 125-0021-92 | DTA124EUA       | R141    | 032-0140-52 | 1/10W 33k ohm F   | R322    | 032-0140-89 | 1/10W 47k ohm F        |
| Q111    | 125-4024-90 | 3DG3875         | R142    | 032-0215-58 | 1/10W 24k ohm(F)  | R323    | 119-5631-15 | 1/10W 56k ohm          |
| Q112    | 125-2041-93 | RT1N241M        | R143    | 032-0140-80 | 1/10W 18k ohm F   | R324    | 119-5631-15 | 1/10W 56k ohm          |
| Q113    | 125-4024-90 | 3DG3875         | R144    | 119-4731-15 | 1/10W 47k ohm     | R325    | 032-0140-89 | 1/10W 47k ohm F        |
| Q114    | 190-1576-00 | 2SA1576A        | R145    | 116-1521-15 | 1/4W 1.5k ohm     | R326    | 119-3311-15 | 1/10W 330 ohm          |
| Q115    | 131-1260-00 | 2SB1260         | R146    | 119-4731-15 | 1/10W 47k ohm     | R327    | 119-5631-15 | 1/10W 56k ohm          |
| Q116    | 125-2027-92 | DTC124EUA       | R147    | 119-4731-15 | 1/10W 47k ohm     | R328    | 119-5631-15 | 1/10W 56k ohm          |
| Q117    | 125-0021-95 | DTA143ZUA-T106  | R148    | 116-1521-15 | 1/4W 1.5k ohm     | R329    | 119-1011-15 | 1/10W 100 ohm          |
| Q118    | 125-2027-92 | DTC124EUA       | R149    | 116-4721-15 | 1/4W 4.7k ohm     | R330    | 119-1011-15 | 1/10W 100 ohm          |
| Q119    | 125-0021-95 | DTA143ZUA-T106  | R150    | 119-1031-15 | 1/10W 10k ohm     | R331    | 119-1011-15 | 1/10W 100 ohm          |
| Q120    | 190-1576-00 | 2SA1576A        | R151    | 119-6831-15 | 1/10W 68k ohm     | R332    | 119-1011-15 | 1/10W 100 ohm          |
| Q122    | 125-2027-92 | DTC124EUA       | R152    | 119-4721-15 | 1/10W 4.7k ohm    | R333    | 119-1011-15 | 1/10W 100 ohm          |
| Q123    | 131-1260-00 | 2SB1260         | R153    | 119-1031-15 | 1/10W 10k ohm     | R334    | 119-1011-15 | 1/10W 100 ohm          |
| Q124    | 125-2041-93 | RT1N241M        | R171    | 119-6831-15 | 1/10W 68k ohm     | R337    | 119-0000-05 | 1/10W 0 ohm JW         |
| Q401    | 198-3018-00 | 2SK3018         | R172    | 119-4731-15 | 1/10W 47k ohm     | R338    | 119-0000-05 | 1/10W 0 ohm JW         |
| Q403    | 192-4081-00 | 2SC4081         | R174    | 119-1021-15 | 1/10W 1k ohm      | R358    | 119-3311-15 | 1/10W 330 ohm          |
| Q404    | 125-2027-95 | DTC143ZU        | R181    | 119-0000-05 | 1/10W 0 ohm JW    | R359    | 119-3311-15 | 1/10W 330 ohm          |
| Q405    | 125-0021-95 | DTA143ZUA-T106  | R184    | 119-0000-05 | 1/10W 0 ohm JW    | R363    | 119-1011-15 | 1/10W 100 ohm          |
| Q406    | 125-2198-90 | KRC110S         | R187    | 116-1521-15 | 1/4W 1.5k ohm     | R364    | 119-1021-15 | 1/10W 1k ohm           |
| Q409    | 125-4012-90 | KTD1304         | R188    | 119-1031-15 | 1/10W 10k ohm     | R365    | 119-1021-15 | 1/10W 1k ohm           |
| Q410    | 125-4012-90 | KTD1304         | R193    | 119-4721-15 | 1/10W 4.7k ohm    | R369    | 119-1031-15 | 1/10W 10k ohm          |
| Q411    | 125-4012-90 | KTD1304         | R194    | 119-0000-05 | 1/10W 0 ohm JW    | R370    | 119-1031-15 | 1/10W 10k ohm          |
| Q412    | 125-4012-90 | KTD1304         | R195    | 119-0000-05 | 1/10W 0 ohm JW    | R371    | 119-4731-15 | 1/10W 47k ohm          |
| Q413    | 125-2027-95 | DTC143ZU        | R196    | 119-4721-15 | 1/10W 4.7k ohm    | R375    | 119-2221-15 | 1/10W 2.2k ohm         |
| Q417    | 192-4081-00 | 2SC4081         | R197    | 119-1041-15 | 1/10W 100k ohm    | R378    | 119-1031-15 | 1/10W 10k ohm          |
| R101    | 116-6811-15 | 1/4W 680 ohm    | R199    | 119-1031-15 | 1/10W 10k ohm     | R379    | 119-1031-15 | 1/10W 10k ohm          |
| R102    | 116-6811-15 | 1/4W 680 ohm    | R200    | 119-1041-15 | 1/10W 100k ohm    | R404    | 119-4721-15 | 1/10W 4.7k ohm         |
| R103    | 119-0000-05 | 1/10W 0 ohm JW  | R201    | 119-4741-15 | 1/10W 470k ohm    | R406    | 119-1021-15 | 1/10W 1k ohm           |
| R104    | 119-1031-15 | 1/10W 10k ohm   | R202    | 119-4741-15 | 1/10W 470k ohm    | R407    | 119-8221-15 | 1/10W 8.2k ohm         |
| R105    | 119-1041-15 | 1/10W 100k ohm  | R203    | 119-1011-15 | 1/10W 100 ohm     | R408    | 119-1021-15 | 1/10W 1k ohm           |
| R106    | 119-1031-15 | 1/10W 10k ohm   | R204    | 119-0000-05 | 1/10W 0 ohm JW    | R409    | 119-2231-15 | 1/10W 22k ohm          |
| R107    | 119-1811-15 | 1/10W 180 ohm   | R206    | 119-0000-05 | 1/10W 0 ohm JW    | R411    | 119-4711-15 | 1/10W 470 ohm          |
| R108    | 119-4721-15 | 1/10W 4.7k ohm  | R207    | 119-0000-05 | 1/10W 0 ohm JW    | R412    | 119-1031-15 | 1/10W 10k ohm          |
| R109    | 119-1811-15 | 1/10W 180 ohm   | R208    | 119-4721-15 | 1/10W 4.7k ohm    | R415    | 119-2231-15 | 1/10W 22k ohm          |
| R110    | 119-1031-15 | 1/10W 10k ohm   | R209    | 116-2201-15 | 1/4W 22 ohm       | R416    | 119-2231-15 | 1/10W 22k ohm          |
| R111    | 119-1031-15 | 1/10W 10k ohm   | R210    | 119-1011-15 | 1/10W 100 ohm     | R417    | 119-2231-15 | 1/10W 22k ohm          |
| R112    | 119-2221-15 | 1/10W 2.2k ohm  | R211    | 119-1011-15 | 1/10W 100 ohm     | R418    | 119-2231-15 | 1/10W 22k ohm          |
| R113    | 032-0140-54 | 1/10W 22k ohm F | R229    | 119-0000-05 | 1/10W 0 ohm JW    | R420    | 119-3311-15 | 1/10W 330 ohm          |
| R114    | 119-1031-15 | 1/10W 10k ohm   | R235    | 119-0000-05 | 1/10W 0 ohm JW    | R421    | 119-3311-15 | 1/10W 330 ohm          |
| R115    | 032-0140-54 | 1/10W 22k ohm F | R272    | 119-0000-05 | 1/10W 0 ohm JW    | R422    | 119-3311-15 | 1/10W 330 ohm          |
| R116    | 119-5641-15 | 1/10W 560k ohm  | R274    | 119-0000-05 | 1/10W 0 ohm JW    | R424    | 119-3311-15 | 1/10W 330 ohm          |
| R118    | 119-4721-15 | 1/10W 4.7k ohm  | R275    | 119-0000-05 | 1/10W 0 ohm JW    | R426    | 119-1021-15 | 1/10W 1k ohm           |
| R12     | 033-0000-05 | 1/10W 0 ohm     | R276    | 119-0000-05 | 1/10W 0 ohm JW    | R427    | 119-1021-15 | 1/10W 1k ohm           |
| R120    | 119-4731-15 | 1/10W 47k ohm   | R277    | 119-0000-05 | 1/10W 0 ohm JW    | R428    | 119-1031-15 | 1/10W 10k ohm          |
| R121    | 119-1031-15 | 1/10W 10k ohm   | R3      | 032-0140-70 | 1/10W 1.8k ohm F  | R429    | 116-4721-15 | 1/4W 4.7k ohm          |
| R122    | 119-1031-15 | 1/10W 10k ohm   | R301    | 119-1041-15 | 1/10W 100k ohm    | R430    | 119-6831-15 | 1/10W 68k ohm          |
| R123    | 119-1811-15 | 1/10W 180 ohm   | R302    | 119-1041-15 | 1/10W 100k ohm    | R431    | 119-1041-15 | 1/10W 100k ohm         |
| R124    | 119-1031-15 | 1/10W 10k ohm   | R303    | 119-4721-15 | 1/10W 4.7k ohm    | R445    | 119-4731-15 | 1/10W 47k ohm          |
| R126    | 119-2221-15 | 1/10W 2.2k ohm  | R304    | 119-4721-15 | 1/10W 4.7k ohm    | SUP202  | 060-0122-20 | DSP-141N-S00B          |
| R127    | 119-1031-15 | 1/10W 10k ohm   | R305    | 119-1021-15 | 1/10W 1k ohm      | T401    | 009-9006-60 | CHOKE 0.23mH           |
| R128    | 119-2231-15 | 1/10W 22k ohm   | R306    | 119-1021-15 | 1/10W 1k ohm      | X101    | 061-1056-00 | 32.768kHz              |
| R129    | 119-1031-15 | 1/10W 10k ohm   | R307    | 119-1021-15 | 1/10W 1k ohm      | X202    | 061-3031-00 | 4.00MHz                |
| R13     | 119-5631-15 | 1/10W 56k ohm   | R308    | 032-0140-89 | 1/10W 47k ohm F   | PWB     | 039-3740-00 | PWB(WITHOUT COMPONENT) |
| R130    | 119-1031-15 | 1/10W 10k ohm   | R309    | 032-0140-89 | 1/10W 47k ohm F   |         |             |                        |

The parts for PE-3402B-B/PE-3402K-A/B

| REF No. | PART No.    | DESCRIPTION    | REF No. | PART No.    | DESCRIPTION    | REF No. | PART No.    | DESCRIPTION    |
|---------|-------------|----------------|---------|-------------|----------------|---------|-------------|----------------|
| C248    | 187-1073-35 | 16V 100uF      | R176    | 119-0000-05 | 1/10W 0 ohm JW | R185    | 119-1031-15 | 1/10W 10k ohm  |
| R173    | 119-1031-15 | 1/10W 10k ohm  | R177    | 119-0000-05 | 1/10W 0 ohm JW | R186    | 119-1031-15 | 1/10W 10k ohm  |
| R175    | 119-0000-05 | 1/10W 0 ohm JW | R178    | 119-0000-05 | 1/10W 0 ohm JW | R279    | 119-0000-05 | 1/10W 0 ohm JW |

The parts for PE-3402B-A

| REF No. | PART No.    | DESCRIPTION    | REF No. | PART No.    | DESCRIPTION      | REF No. | PART No.    | DESCRIPTION     |
|---------|-------------|----------------|---------|-------------|------------------|---------|-------------|-----------------|
| C233    | 043-1608-90 | 0.1uF          | IC204   | 051-7538-90 | SN74LVC3G17DCTR  | R252    | 032-0140-63 | 1/10W 27k ohm F |
| C234    | 043-1841-90 | 0.047uF        | IC205   | 051-3060-90 | AZ4558M          | R253    | 032-0140-63 | 1/10W 27k ohm F |
| C235    | 043-1841-90 | 0.047uF        | IC206   | 051-3060-90 | AZ4558M          | R254    | 032-0140-89 | 1/10W 47k ohm F |
| C236    | 187-1063-35 | 16V 10uF       | IC304   | 051-3060-90 | AZ4558M          | R255    | 032-0140-89 | 1/10W 47k ohm F |
| C237    | 187-1063-35 | 16V 10uF       | IC305   | 051-3060-90 | AZ4558M          | R256    | 032-0140-63 | 1/10W 27k ohm F |
| C238    | 187-1063-35 | 16V 10uF       | IC306   | 051-3060-90 | AZ4558M          | R257    | 032-0140-63 | 1/10W 27k ohm F |
| C239    | 187-1063-35 | 16V 10uF       | IC401   | 051-3605-90 | NJM2360AM        | R258    | 119-1011-15 | 1/10W 100 ohm   |
| C240    | 187-1063-35 | 16V 10uF       | L401    | 010-2285-56 | 2.25k ohm/100MHz | R259    | 119-1011-15 | 1/10W 100 ohm   |
| C241    | 187-1063-35 | 16V 10uF       | L402    | 010-2285-56 | 2.25k ohm/100MHz | R261    | 119-4731-15 | 1/10W 47k ohm   |
| C242    | 187-1063-35 | 16V 10uF       | L403    | 010-6003-03 | 270uH            | R262    | 119-1031-15 | 1/10W 10k ohm   |
| C243    | 187-1063-35 | 16V 10uF       | L404    | 010-3406-66 | 22uH J           | R263    | 119-0000-05 | 1/10W 0 ohm JW  |
| C244    | 189-1083-32 | 16V 1000uF     | Q201    | 125-2027-95 | DTC143ZU         | R264    | 119-1031-15 | 1/10W 10k ohm   |
| C245    | 165-1073-35 | 16V 100uF      | Q202    | 191-1197-50 | 2SB1197K Q,R     | R265    | 119-1031-15 | 1/10W 10k ohm   |
| C306    | 187-1053-65 | 50V 1uF        | Q203    | 125-4024-90 | 3DG3875          | R266    | 119-4721-15 | 1/10W 4.7k ohm  |
| C307    | 187-1053-65 | 50V 1uF        | Q204    | 125-4024-90 | 3DG3875          | R267    | 119-1531-15 | 1/10W 15k ohm   |
| C312    | 187-1053-65 | 50V 1uF        | Q205    | 125-2027-92 | DTC124EUA        | R268    | 119-1021-15 | 1/10W 1k ohm    |
| C313    | 187-1053-65 | 50V 1uF        | Q206    | 125-3005-90 | KTA1273          | R270    | 116-1521-15 | 1/4W 1.5k ohm   |
| C348    | 043-0540-00 | 6.3V 10uF      | Q407    | 125-4012-90 | KTD1304          | R271    | 116-1521-15 | 1/4W 1.5k ohm   |
| C349    | 043-0540-00 | 6.3V 10uF      | Q408    | 125-4012-90 | KTD1304          | R281    | 119-1031-15 | 1/10W 10k ohm   |
| C350    | 043-0540-00 | 6.3V 10uF      | R218    | 119-3321-15 | 1/10W 3.3k ohm   | R340    | 033-1041-15 | 1/10W 100k ohm  |
| C351    | 043-0540-00 | 6.3V 10uF      | R219    | 119-1031-15 | 1/10W 10k ohm    | R341    | 033-1041-15 | 1/10W 100k ohm  |
| C352    | 043-0540-00 | 6.3V 10uF      | R220    | 119-1821-15 | 1/10W 1.8k ohm   | R342    | 033-1041-15 | 1/10W 100k ohm  |
| C353    | 043-0540-00 | 6.3V 10uF      | R221    | 119-4731-15 | 1/10W 47k ohm    | R343    | 033-1041-15 | 1/10W 100k ohm  |
| C354    | 045-1011-50 | 100pF CH       | R224    | 119-1011-15 | 1/10W 100 ohm    | R344    | 033-1041-15 | 1/10W 100k ohm  |
| C355    | 045-1011-50 | 100pF CH       | R225    | 119-1021-15 | 1/10W 1k ohm     | R345    | 033-1041-15 | 1/10W 100k ohm  |
| C356    | 045-1011-50 | 100pF CH       | R226    | 119-1021-15 | 1/10W 1k ohm     | R346    | 033-1031-15 | 1/10W 10k ohm   |
| C357    | 045-1011-50 | 100pF CH       | R227    | 119-1031-15 | 1/10W 10k ohm    | R347    | 033-1031-15 | 1/10W 10k ohm   |
| C358    | 045-1011-50 | 100pF CH       | R228    | 119-1031-15 | 1/10W 10k ohm    | R348    | 033-1031-15 | 1/10W 10k ohm   |
| C359    | 045-1011-50 | 100pF CH       | R230    | 119-0000-05 | 1/10W 0 ohm JW   | R349    | 033-1031-15 | 1/10W 10k ohm   |
| C401    | 042-1631-50 | 10V 100uF      | R231    | 119-0000-05 | 1/10W 0 ohm JW   | R350    | 033-1031-15 | 1/10W 10k ohm   |
| C402    | 168-1042-78 | 16V 0.1uF      | R234    | 119-6831-15 | 1/10W 68k ohm    | R351    | 033-1031-15 | 1/10W 10k ohm   |
| C403    | 166-2211-50 | 220pF CH       | R236    | 119-1041-15 | 1/10W 100k ohm   | R352    | 033-1031-15 | 1/10W 10k ohm   |
| C404    | 168-2232-55 | 0.022uF K      | R237    | 119-1041-15 | 1/10W 100k ohm   | R353    | 033-1031-15 | 1/10W 10k ohm   |
| C405    | 187-1063-35 | 16V 10uF       | R238    | 119-1021-15 | 1/10W 1k ohm     | R354    | 033-1031-15 | 1/10W 10k ohm   |
| C406    | 042-1452-81 | 10V 220uF      | R239    | 119-1041-15 | 1/10W 100k ohm   | R355    | 033-1031-15 | 1/10W 10k ohm   |
| C407    | 168-1042-78 | 16V 0.1uF      | R240    | 119-1021-15 | 1/10W 1k ohm     | R356    | 033-1031-15 | 1/10W 10k ohm   |
| C408    | 042-1631-50 | 10V 100uF      | R241    | 119-1041-15 | 1/10W 100k ohm   | R357    | 033-1031-15 | 1/10W 10k ohm   |
| C414    | 187-1063-35 | 16V 10uF       | R242    | 032-0140-89 | 1/10W 47k ohm F  | R401    | 119-2291-15 | 1/10W 2.2 ohm   |
| C416    | 187-1063-35 | 16V 10uF       | R243    | 032-0140-89 | 1/10W 47k ohm F  | R402    | 119-2291-15 | 1/10W 2.2 ohm   |
| D200    | 001-4301-29 | HZU 5.1B2      | R244    | 032-0140-89 | 1/10W 47k ohm F  | R403    | 119-1531-15 | 1/10W 15k ohm   |
| D201    | 001-4301-29 | HZU 5.1B2      | R245    | 032-0140-89 | 1/10W 47k ohm F  | R405    | 119-2721-15 | 1/10W 2.7k ohm  |
| D202    | 001-1310-00 | KDS160-RTK     | R246    | 032-0140-89 | 1/10W 47k ohm F  | R410    | 116-3911-15 | 1/4W 390 ohm    |
| D301    | 001-4301-29 | HZU 5.1B2      | R247    | 032-0140-89 | 1/10W 47k ohm F  | R413    | 119-2231-15 | 1/10W 22k ohm   |
| D304    | 001-4301-29 | HZU 5.1B2      | R248    | 032-0140-89 | 1/10W 47k ohm F  | R414    | 119-2231-15 | 1/10W 22k ohm   |
| D402    | 001-2606-90 | M1FS4          | R249    | 032-0140-89 | 1/10W 47k ohm F  | R419    | 119-3311-15 | 1/10W 330 ohm   |
| F301    | 060-0108-90 | 1/6ZP 0 ohm JW | R250    | 032-0140-89 | 1/10W 47k ohm F  | R423    | 119-3311-15 | 1/10W 330 ohm   |
| F302    | 060-8056-93 | CCP2E20HTTE    | R251    | 032-0140-89 | 1/10W 47k ohm F  | R425    | 119-1021-15 | 1/10W 1k ohm    |

Switch PWB(B2) section

| REF No. | PART No.    | DESCRIPTION     | REF No. | PART No.    | DESCRIPTION               | REF No. | PART No.    | DESCRIPTION    |
|---------|-------------|-----------------|---------|-------------|---------------------------|---------|-------------|----------------|
| C901    | 043-1802-90 | 0.01uF          | D914    | 001-7088-92 | HSMF-A355-G33J1           | Q904    | 125-2027-95 | DTC143ZU       |
| C902    | 043-1804-90 | 0.1uF           |         |             |                           | Q905    | 193-1781-50 | 2SC3440        |
| C903    | 043-1804-90 | 0.1uF           | D915    | 001-7088-92 | HSMF-A355-G33J1           | Q906    | 193-1781-50 | 2SC3440        |
| C904    | 043-1804-90 | 0.1uF           |         |             |                           | R903    | 119-4711-15 | 1/10W 470 ohm  |
| C905    | 043-1804-90 | 0.1uF           | D916    | 001-7088-92 | HSMF-A355-G33J1           | R904    | 119-2211-15 | 1/10W 220 ohm  |
| C906    | 043-1804-90 | 0.1uF           | D918    | 001-2601-90 | MA728                     | R905    | 119-1241-15 | 1/10W 120k ohm |
| C907    | 043-1804-90 | 0.1uF           | D919    | 001-1323-90 | L1SS355T1G                | R906    | 119-4721-15 | 1/10W 4.7k ohm |
| C908    | 043-0603-90 | 16V 10uF        | D931    | 001-0584-21 | MA8062                    | R907    | 119-1021-15 | 1/10W 1k ohm   |
| C909    | 043-0603-90 | 16V 10uF        | D934    | 001-7062-90 | RBR1111C                  | R908    | 119-2711-15 | 1/10W 270 ohm  |
| C910    | 043-0603-90 | 16V 10uF        | IC901   | 051-6089-00 | NJU6539                   | R910    | 119-1021-15 | 1/10W 1k ohm   |
| C911    | 043-1808-90 | 1200pF          | IR901   | 060-4021-00 | GPIUX51                   | R911    | 119-1041-15 | 1/10W 100k ohm |
| C912    | 043-1808-90 | 1200pF          | J702    | 075-9021-50 | YW1310E431                | R912    | 119-1031-15 | 1/10W 10k ohm  |
| C914    | 043-1804-90 | 0.1uF           | J901    | 074-3014-72 | 22P                       | R913    | 119-1031-15 | 1/10W 10k ohm  |
| D909    | 001-4301-43 | HZU8.2B1        | J904    | 074-4036-50 | 4P(PE-3402B-A/PE-3402K-B) | R914    | 119-3921-15 | 1/10W 3.9k ohm |
| D910    | 001-4301-29 | HZU5.1B2        |         |             |                           | R915    | 119-1011-15 | 1/10W 100 ohm  |
| D911    | 001-7088-92 | HSMF-A355-G33J1 | LCD901  | 379-1457-51 | (INDICATOR LCD)           | R924    | 119-3311-15 | 1/10W 330 ohm  |
| D912    | 001-7088-92 | HSMF-A355-G33J1 | P903    | 076-0478-52 | 2P                        | R925    | 119-1031-15 | 1/10W 10k ohm  |
| D913    | 001-7088-92 | HSMF-A355-G33J1 | P904    | 076-0502-55 | 5P(PE-3402B-A/PE-3402K-B) | R926    | 119-3311-15 | 1/10W 330 ohm  |
|         |             |                 | Q903    | 193-1781-50 | 2SC3440                   | R927    | 119-1031-15 | 1/10W 10k ohm  |
|         |             |                 |         |             |                           | R928    | 119-3311-15 | 1/10W 330 ohm  |
|         |             |                 |         |             |                           | R929    | 119-1031-15 | 1/10W 10k ohm  |

CX501/CX501B/CX501A

| REF No. | PART No.    | DESCRIPTION    | REF No. | PART No.    | DESCRIPTION    | REF No. | PART No.    | DESCRIPTION            |
|---------|-------------|----------------|---------|-------------|----------------|---------|-------------|------------------------|
| R936    | 119-1221-15 | 1/10W 1.2k ohm | R954    | 119-1221-15 | 1/10W 1.2k ohm | S902    | 013-6312-50 | SWTICH                 |
| R937    | 119-1521-15 | 1/10W 1.5k ohm | R955    | 119-1521-15 | 1/10W 1.5k ohm | S903    | 013-6312-50 | SWTICH                 |
| R938    | 119-1221-15 | 1/10W 1.2k ohm | R956    | 119-1221-15 | 1/10W 1.2k ohm | S920    | 013-6312-50 | SWTICH                 |
| R939    | 119-1021-15 | 1/10W 1k ohm   | R957    | 119-1521-15 | 1/10W 1.5k ohm | S922    | 013-6312-50 | SWTICH                 |
| R940    | 119-1821-15 | 1/10W 1.8k ohm | R958    | 119-1221-15 | 1/10W 1.2k ohm | S923    | 013-6312-50 | SWTICH                 |
| R941    | 119-1521-15 | 1/10W 1.5k ohm | R959    | 119-1021-15 | 1/10W 1k ohm   | S924    | 013-6312-50 | SWTICH                 |
| R942    | 119-1221-15 | 1/10W 1.2k ohm | R960    | 119-1821-15 | 1/10W 1.8k ohm | S926    | 013-6312-50 | SWTICH                 |
| R943    | 119-1521-15 | 1/10W 1.5k ohm | R961    | 119-1521-15 | 1/10W 1.5k ohm | S927    | 013-6312-50 | SWTICH                 |
| R944    | 119-1221-15 | 1/10W 1.2k ohm | R962    | 119-1221-15 | 1/10W 1.2k ohm | S928    | 013-6312-50 | SWTICH                 |
| R945    | 119-1021-15 | 1/10W 1k ohm   | R963    | 119-1021-15 | 1/10W 1k ohm   | S930    | 013-6312-50 | SWTICH                 |
| R946    | 119-1821-15 | 1/10W 1.8k ohm | R964    | 119-1821-15 | 1/10W 1.8k ohm | S931    | 013-6312-50 | SWTICH                 |
| R947    | 119-1521-15 | 1/10W 1.5k ohm | R965    | 119-1521-15 | 1/10W 1.5k ohm | S932    | 013-6312-50 | SWTICH                 |
| R948    | 119-1221-15 | 1/10W 1.2k ohm | R966    | 119-1221-15 | 1/10W 1.2k ohm | S936    | 013-6312-50 | SWTICH                 |
| R949    | 119-1521-15 | 1/10W 1.5k ohm | R967    | 119-1521-15 | 1/10W 1.5k ohm | S938    | 013-6312-50 | SWTICH                 |
| R950    | 119-1221-15 | 1/10W 1.2k ohm | R968    | 119-1221-15 | 1/10W 1.2k ohm | S939    | 013-6312-50 | SWTICH                 |
| R951    | 119-1021-15 | 1/10W 1k ohm   | R969    | 119-1021-15 | 1/10W 1k ohm   | VR901   | 016-9900-94 | VR W/SHAFT             |
| R952    | 119-1821-15 | 1/10W 1.8k ohm | R976    | 119-1821-15 | 1/10W 1.8k ohm | PWB     | 039-3739-00 | PWB(WITHOUT COMPONENT) |
| R953    | 119-1521-15 | 1/10W 1.5k ohm | R977    | 119-1521-15 | 1/10W 1.5k ohm |         |             |                        |
|         |             |                | S901    | 013-6312-50 | SWTICH         |         |             |                        |

BT PWB (B3) section

| REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION    | REF No. | PART No.    | DESCRIPTION            |
|---------|-------------|-------------|---------|-------------|----------------|---------|-------------|------------------------|
| ANT601  | 060-8105-50 | ANT-RECEPT  | C623    | 178-1052-78 | 1uF            | L606    | 010-3104-54 | MPZ1608S601AT          |
| C605    | 043-1735-90 | 100pF       | C625    | 043-0603-90 | 10uF           | R618    | 119-1011-15 | 1/10W 100 ohm          |
| C616    | 043-1804-90 | 0.1uF       | IC600   | 051-3577-90 | S1206B33U-3T1G | R619    | 119-1011-15 | 1/10W 100 ohm          |
| C619    | 043-1715-90 | 15pF        | IC601   | 060-8123-90 | GTBM501        | PWB     | 039-3738-00 | PWB(WITHOUT COMPONENT) |
| C620    | 043-1715-90 | 15pF        | J600    | 074-3014-72 | 22P            |         |             |                        |
| C621    | 178-1052-78 | 1uF         | L604    | 010-3104-54 | MPZ1608S601AT  |         |             |                        |
| C622    | 043-1804-90 | 0.1uF       |         |             |                |         |             |                        |

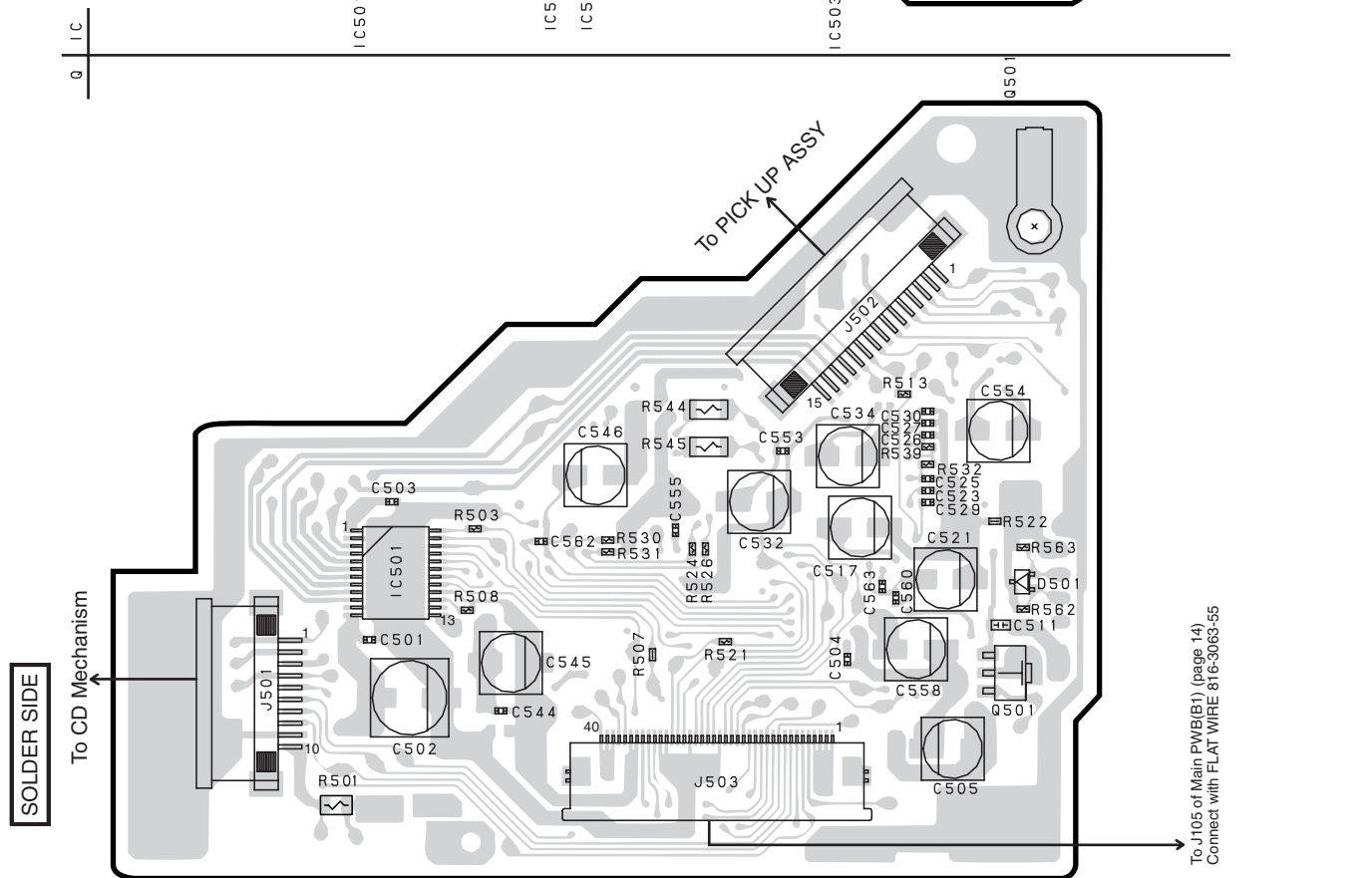
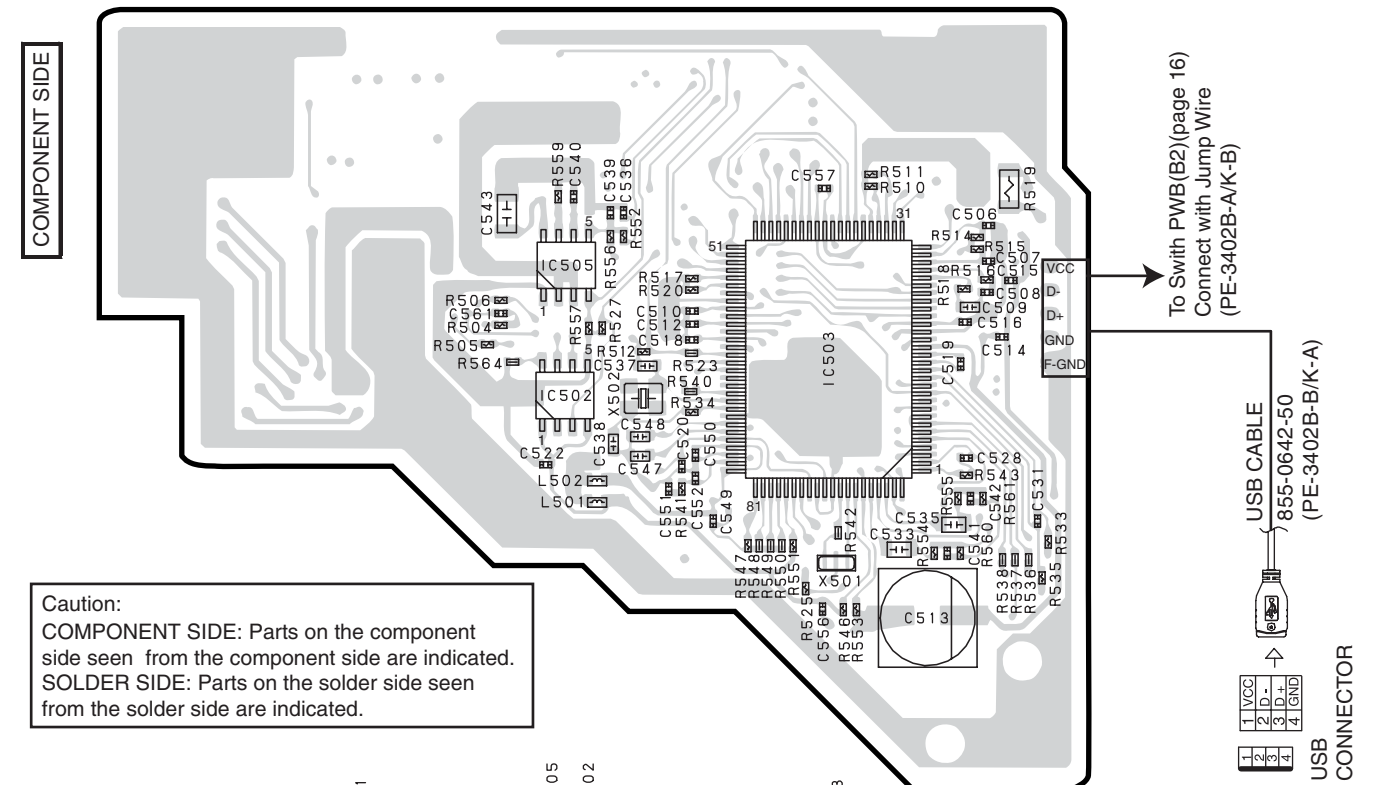
CD PWB (B4) section

| REF No. | PART No.    | DESCRIPTION | REF No. | PART No.    | DESCRIPTION      | REF No. | PART No.    | DESCRIPTION    |
|---------|-------------|-------------|---------|-------------|------------------|---------|-------------|----------------|
| C501    | 043-1608-90 | 0.1uF       | C540    | 043-1608-90 | 0.1uF            | R506    | 033-8231-15 | 1/10W 82k ohm  |
| C502    | 165-1073-35 | 16V 100uF   | C541    | 043-1606-90 | 1000pF           | R507    | 033-0000-05 | 1/10W 0 ohm    |
| C503    | 043-1608-90 | 0.1uF       | C542    | 043-1606-90 | 1000pF           | R508    | 033-1031-15 | 1/10W 10k ohm  |
| C504    | 043-1608-90 | 0.1uF       | C543    | 043-0552-90 | 6.3V 47uF M      | R510    | 033-1031-15 | 1/10W 10k ohm  |
| C505    | 042-0560-85 | 6.3V 100uF  | C544    | 043-1608-90 | 0.1uF            | R511    | 033-1031-15 | 1/10W 10k ohm  |
| C506    | 043-1608-90 | 0.1uF       | C545    | 042-0560-85 | 6.3V 100uF       | R512    | 033-1031-15 | 1/10W 10k ohm  |
| C507    | 043-1608-90 | 0.1uF       | C546    | 042-0560-85 | 6.3V 100uF       | R513    | 033-4711-15 | 1/10W 470 ohm  |
| C508    | 043-1625-90 | 0.022uF     | C547    | 043-1706-90 | 5pF              | R514    | 033-6831-15 | 1/10W 68k ohm  |
| C509    | 043-1824-90 | 0.22uF      | C548    | 043-1706-90 | 5pF              | R515    | 033-2231-15 | 1/10W 22k ohm  |
| C510    | 043-1608-90 | 0.1uF       | C549    | 043-1608-90 | 0.1uF            | R516    | 033-6811-15 | 1/10W 680 ohm  |
| C511    | 043-1806-90 | 1pF         | C550    | 043-1608-90 | 0.1uF            | R517    | 033-4731-15 | 1/10W 47k ohm  |
| C512    | 043-1605-90 | 68pF        | C551    | 043-1608-90 | 0.1uF            | R518    | 033-6811-15 | 1/10W 680 ohm  |
| C513    | 042-2273-25 | 10V 220uF M | C552    | 043-1606-90 | 1000pF           | R519    | 116-3391-15 | 1/4W 3.3 ohm   |
| C514    | 043-1606-90 | 1000pF      | C553    | 043-1608-90 | 0.1uF            | R520    | 033-4731-15 | 1/10W 47k ohm  |
| C515    | 043-1608-90 | 0.1uF       | C554    | 165-4763-15 | 6.3V 47uF        | R521    | 033-1021-15 | 1/10W 1k ohm   |
| C516    | 043-1608-90 | 0.1uF       | C555    | 043-1608-90 | 0.1uF            | R522    | 033-0000-05 | 1/10W 0 ohm    |
| C517    | 042-0560-85 | 6.3V 100uF  | C556    | 043-1608-90 | 0.1uF            | R523    | 033-0000-05 | 1/10W 0 ohm    |
| C518    | 043-1605-90 | 68pF        | C557    | 043-1608-90 | 0.1uF            | R524    | 033-1011-15 | 1/10W 100 ohm  |
| C519    | 043-1607-90 | 0.01uF      | C558    | 042-0560-85 | 6.3V 100uF       | R525    | 033-2211-15 | 1/10W 220 ohm  |
| C520    | 043-1608-90 | 0.1uF       | C560    | 043-1615-90 | 0.047uF          | R526    | 033-1011-15 | 1/10W 100 ohm  |
| C521    | 042-0560-85 | 6.3V 100uF  | C561    | 043-1615-90 | 0.047uF          | R527    | 033-1041-15 | 1/10W 100k ohm |
| C522    | 043-1608-90 | 0.1uF       | C562    | 043-1614-90 | 470pF            | R530    | 033-1031-15 | 1/10W 10k ohm  |
| C523    | 043-1607-90 | 0.01uF      | C563    | 043-1614-90 | 470pF            | R531    | 033-1031-15 | 1/10W 10k ohm  |
| C525    | 043-1608-90 | 0.1uF       | D501    | 001-4326-50 | RSB27F2T106      | R532    | 033-6831-15 | 1/10W 68k ohm  |
| C526    | 043-1615-90 | 0.047uF     | IC501   | 051-6101-90 | BD8226EFV        | R533    | 033-1811-15 | 1/10W 180 ohm  |
| C527    | 043-1607-90 | 0.01uF      | IC502   | 051-6934-90 | MFI341S2313      | R534    | 033-1011-15 | 1/10W 100 ohm  |
| C528    | 043-1620-90 | 4700pF      | IC503   | 051-6754-00 | LC786960E-6AXX-L | R535    | 033-1811-15 | 1/10W 180 ohm  |
| C529    | 043-1608-90 | 0.1uF       | IC505   | 051-6926-90 | BD2051AFJ-TR     | R536    | 033-0000-05 | 1/10W 0 ohm    |
| C530    | 043-1615-90 | 0.047uF     | J501    | 074-2215-60 | 10P              | R537    | 033-0000-05 | 1/10W 0 ohm    |
| C531    | 043-1625-90 | 0.022uF     | J502    | 074-2215-65 | 15P              | R538    | 033-0000-05 | 1/10W 0 ohm    |
| C532    | 042-0560-85 | 6.3V 100uF  | J503    | 074-2226-90 | 40P              | R539    | 033-1231-15 | 1/10W 12k ohm  |
| C533    | 043-0603-90 | 16V 10uF    | L501    | 010-3112-90 | 1k ohm/100MHZ    | R540    | 033-0000-05 | 1/10W 0 ohm    |
| C534    | 042-0560-85 | 6.3V 100uF  | L502    | 010-3112-90 | 1k ohm/100MHZ    | R541    | 033-3321-15 | 1/10W 3.3k ohm |
| C535    | 043-0603-90 | 16V 10uF    | Q501    | 190-2060-00 | 2SA2060          | R542    | 033-0000-05 | 1/10W 0 ohm    |
| C536    | 043-1607-90 | 0.01uF      | R501    | 117-1821-15 | 1/8W 1.8k ohm    | R543    | 033-3311-15 | 1/10W 330 ohm  |
| C537    | 043-1713-90 | 12pF        | R503    | 033-2731-15 | 1/10W 27k ohm    | R544    | 116-1501-15 | 1/4W 15 ohm    |
| C538    | 043-1713-90 | 12pF        | R504    | 033-8231-15 | 1/10W 82k ohm    | R545    | 116-1501-15 | 1/4W 15 ohm    |
| C539    | 043-1608-90 | 0.1uF       | R505    | 033-1241-15 | 1/10W 120k ohm   | R546    | 033-4701-15 | 1/10W 47 ohm   |

| REF No. | PART No.    | DESCRIPTION   | REF No. | PART No.    | DESCRIPTION    | REF No. | PART No.    | DESCRIPTION            |
|---------|-------------|---------------|---------|-------------|----------------|---------|-------------|------------------------|
| R547    | 033-4731-15 | 1/10W 47k ohm | R554    | 033-6801-15 | 1/16W 68 ohm   | R562    | 033-1531-15 | 1/10W 15k ohm          |
| R548    | 033-0000-05 | 1/10W 0 ohm   | R555    | 033-6801-15 | 1/16W 68 ohm   | R563    | 033-1531-15 | 1/10W 15k ohm          |
| R549    | 033-0000-05 | 1/10W 0 ohm   | R556    | 033-1041-15 | 1/10W 100k ohm | R564    | 033-0000-05 | 1/10W 0 ohm            |
| R550    | 033-0000-05 | 1/10W 0 ohm   | R557    | 033-1041-15 | 1/10W 100k ohm | X501    | 060-1535-90 | 16.934MHz              |
| R551    | 033-1031-15 | 1/10W 10k ohm | R559    | 033-1031-15 | 1/10W 10k ohm  | X502    | 061-3580-90 | 12MHz                  |
| R552    | 033-1031-15 | 1/10W 10k ohm | R560    | 033-1041-15 | 1/10W 100k ohm | PWB     | 039-3737-00 | PWB(WITHOUT COMPONENT) |
| R553    | 033-4791-15 | 1/16W 4.7 ohm | R561    | 033-1041-15 | 1/10W 100k ohm |         |             |                        |

PRINTED WIRING BOARD 1/5

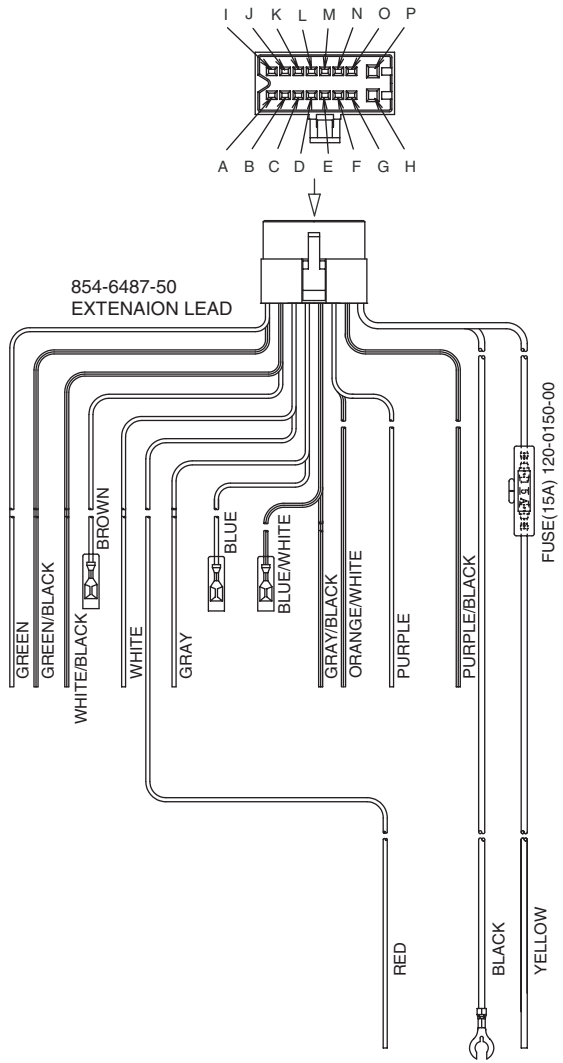
CD PWB(B4) section



# PRINTED WIRING BOARD 2/5

Main PWB(B1) section 1/2

- ★ 1 → PE-3402B-A
- ★ 2 → PE-3402B-B/K-A/K-B

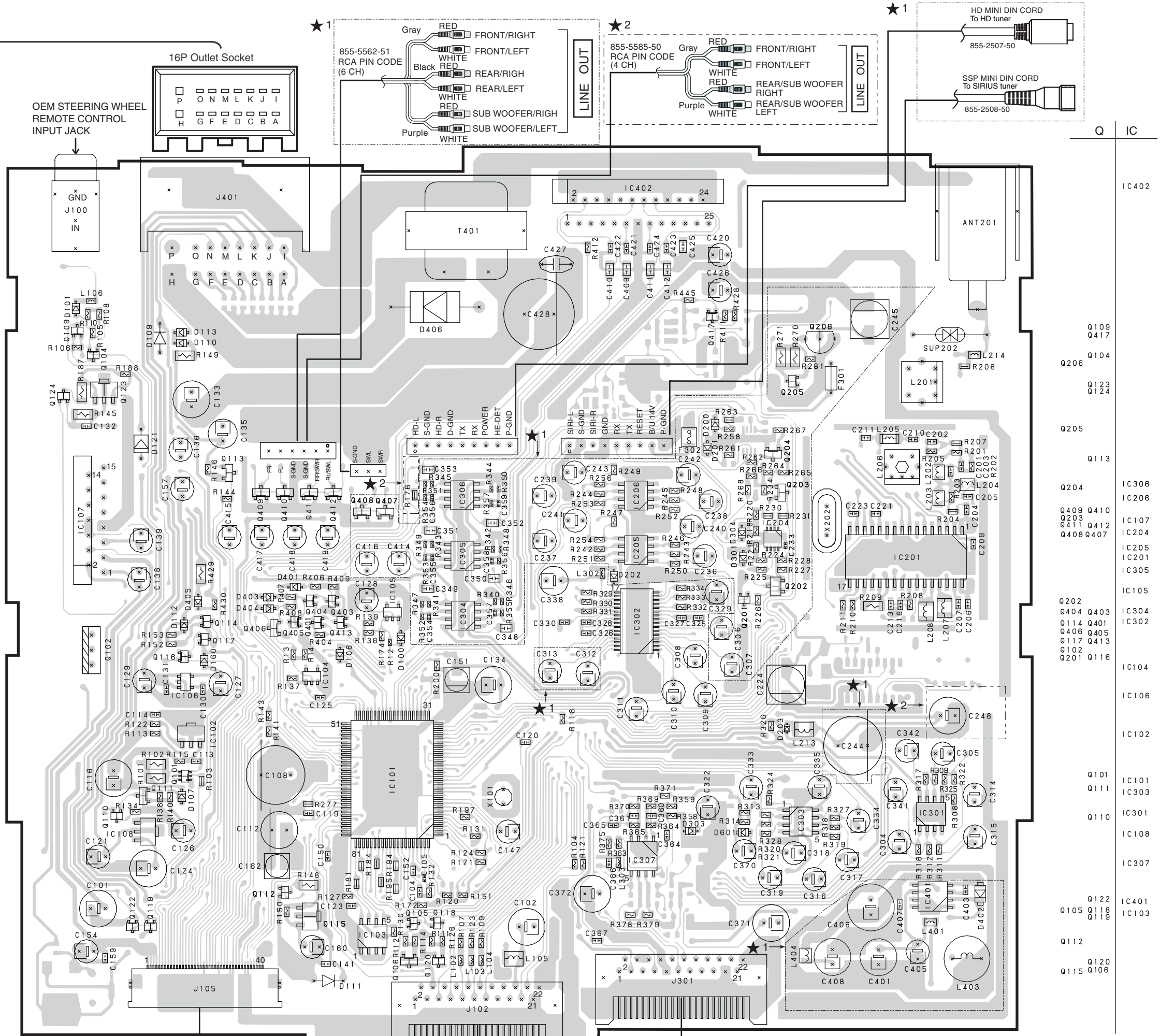


J401  
EXTENSION-LEAD CONNECTOR

| Port No. | Description | LINE COLOR   |
|----------|-------------|--------------|
| A        | SP R/L ⊕    | GREEN        |
| B        | SP F/L ⊖    | WHITE/BLACK  |
| C        | SP F/L ⊕    | WHITE        |
| D        | SP F/R ⊕    | GRAY         |
| E        | SP F/R ⊖    | GRAY/BLACK   |
| F        | SP R/R ⊕    | PURPLE       |
| G        | SP R/R ⊖    | PURPLE/BLACK |
| H        | B/U         | YELLOW       |
| I        | SP R/L ⊖    | GREEN/BLACK  |
| J        | PHONE INT   | BROWN        |
| K        | ACC         | RED          |
| L        | AUTO ANT    | BLUE         |
| M        | REMOTE      | BLUE/WHITE   |
| N        | ILLUMI      | ORANGE/WHITE |
| O        | NC          | -----        |
| P        | GND         | BLACK        |

**COMPONENT SIDE**

Caution:  
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.



To J503 of CD PWB(B4) (page 13)  
Connect with FLAT WIRE 816-3063-55

To J901 of Switch PWB(B2) (page 16)

To J600 of BT PWB(B3) (page 15)

CX501/CX501B/CX501A

| Q      | IC     |
|--------|--------|
|        | IC 402 |
| Q109   | IC 402 |
| Q417   | IC 402 |
| Q206   | IC 104 |
| Q123   | IC 104 |
| Q124   | IC 104 |
| Q205   | IC 105 |
| Q113   | IC 105 |
| Q204   | IC 306 |
| IC 206 | IC 206 |
| Q409   | IC 107 |
| Q410   | IC 107 |
| Q203   | IC 204 |
| Q411   | IC 204 |
| Q412   | IC 204 |
| Q408   | IC 204 |
| Q407   | IC 204 |
| IC 205 | IC 205 |
| IC 201 | IC 201 |
| IC 305 | IC 305 |
| IC 105 | IC 105 |
| Q202   | IC 304 |
| Q404   | IC 304 |
| Q403   | IC 304 |
| Q114   | IC 302 |
| Q401   | IC 302 |
| Q406   | IC 302 |
| Q405   | IC 302 |
| Q117   | IC 302 |
| Q413   | IC 302 |
| Q102   | IC 104 |
| Q201   | IC 104 |
| Q116   | IC 104 |
| IC 104 | IC 104 |
| IC 106 | IC 106 |
| IC 102 | IC 102 |
| Q101   | IC 101 |
| Q111   | IC 303 |
| IC 301 | IC 301 |
| Q110   | IC 301 |
| IC 108 | IC 108 |
| IC 307 | IC 307 |
| Q122   | IC 401 |
| Q105   | IC 103 |
| Q118   | IC 103 |
| Q119   | IC 103 |
| Q112   | IC 103 |
| Q120   | IC 103 |
| Q115   | IC 103 |
| Q108   | IC 103 |

PRINTED WIRING BOARD 3/5

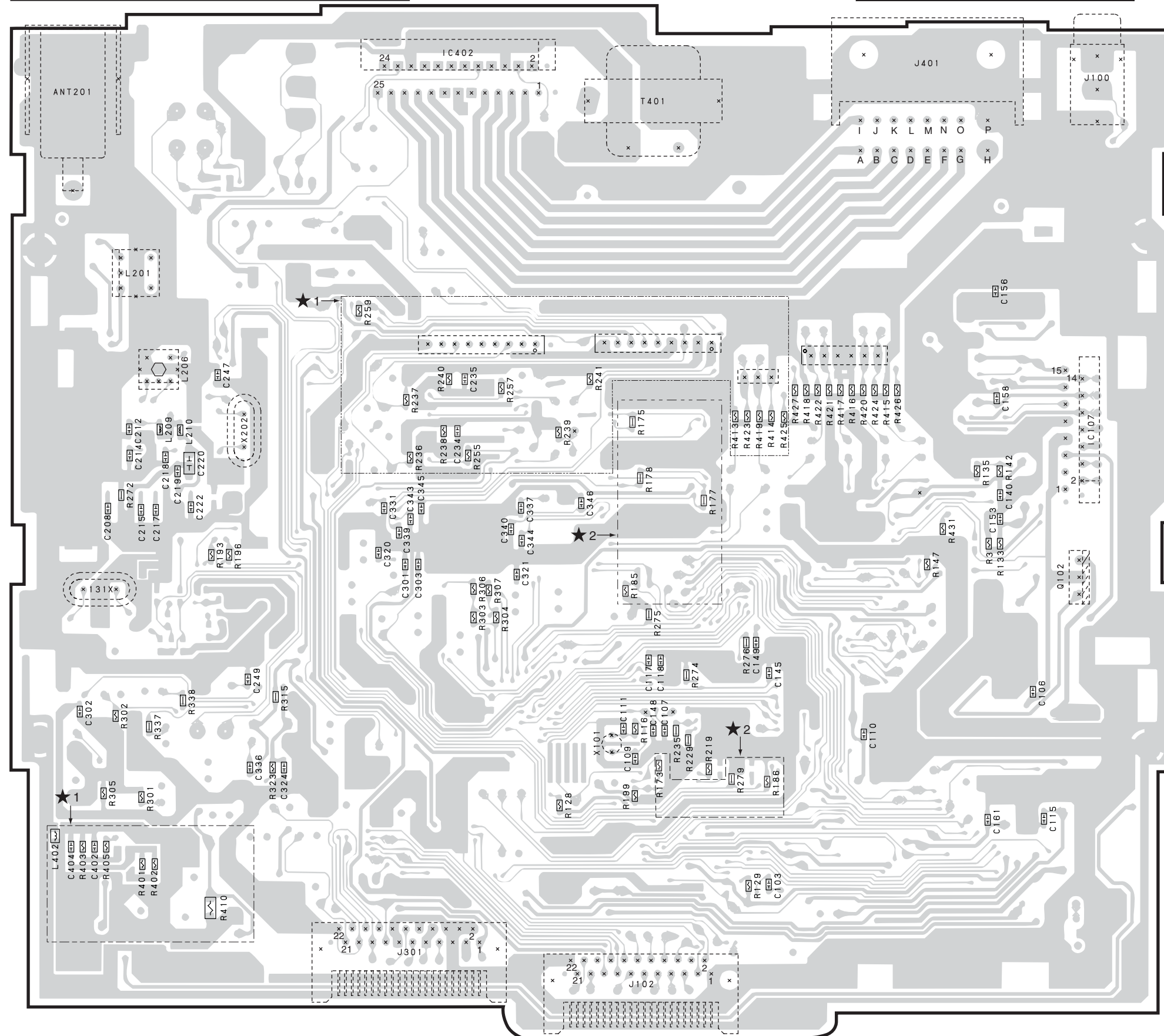
Main PWB(B1) section 2/2

- ★ 1 → PE-3402B-A
- ★ 2 → PE-3402B-B/K-A/K-B

The parts of a dotted line express the parts on a component side.

SOLDER SIDE

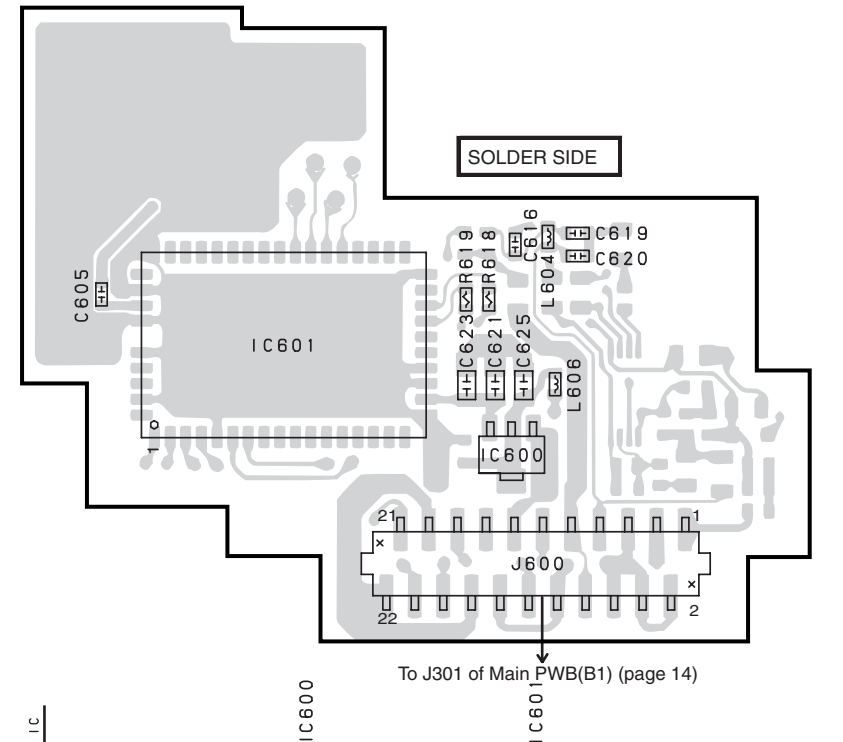
Caution:  
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.



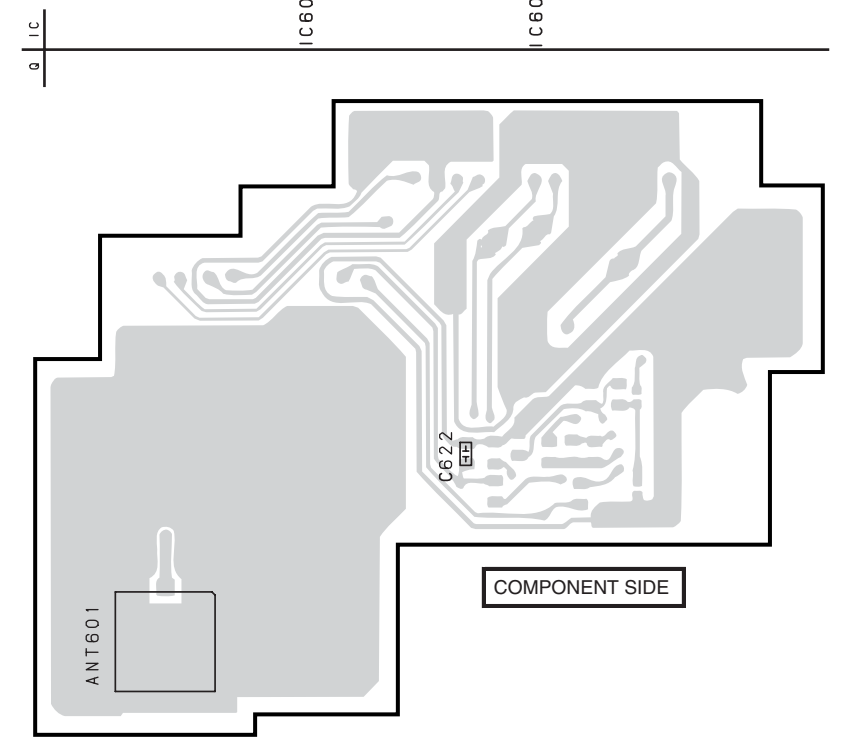
PRINTED WIRING BOARD 4/5

BT PWB(B3) section

SOLDER SIDE



To J301 of Main PWB(B1) (page 14)



Caution:  
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.  
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

PRINTED WIRING BOARD 5/5

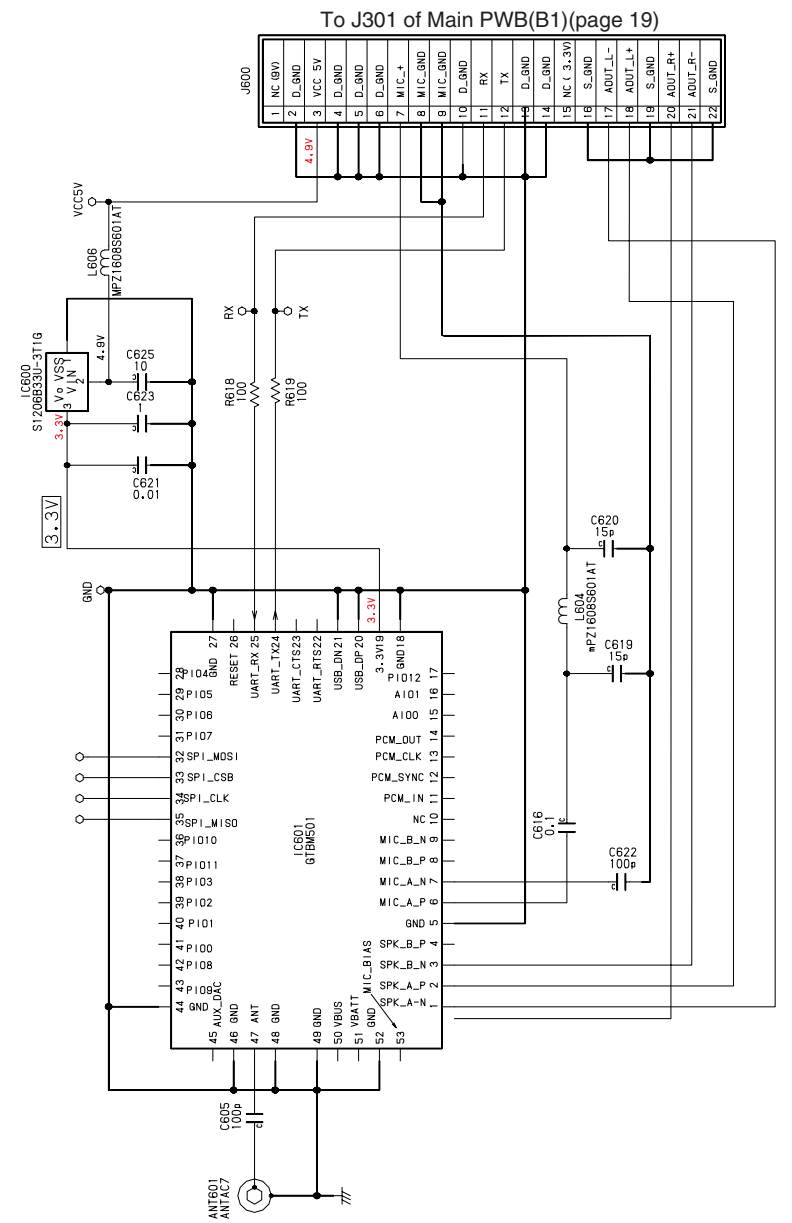
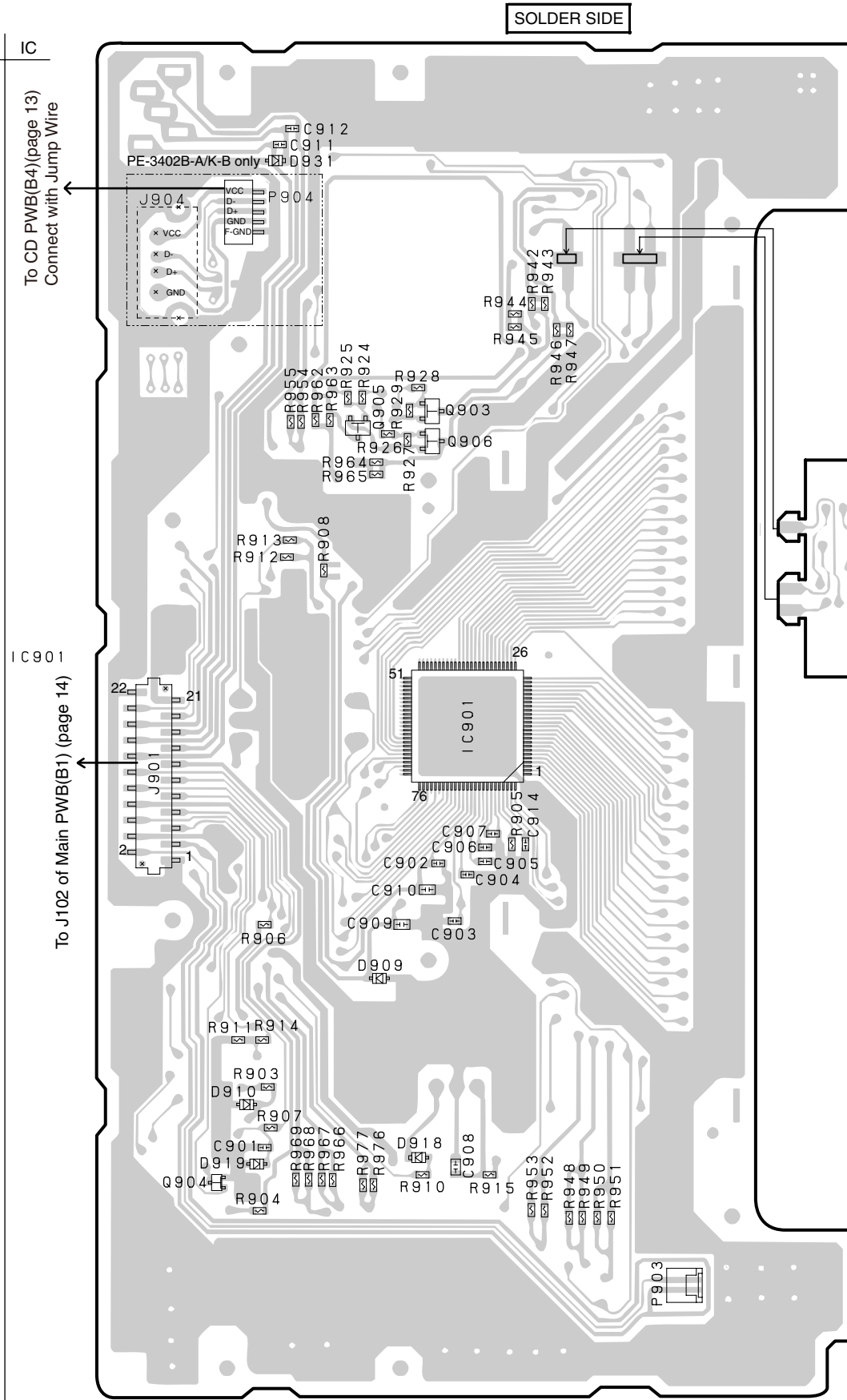
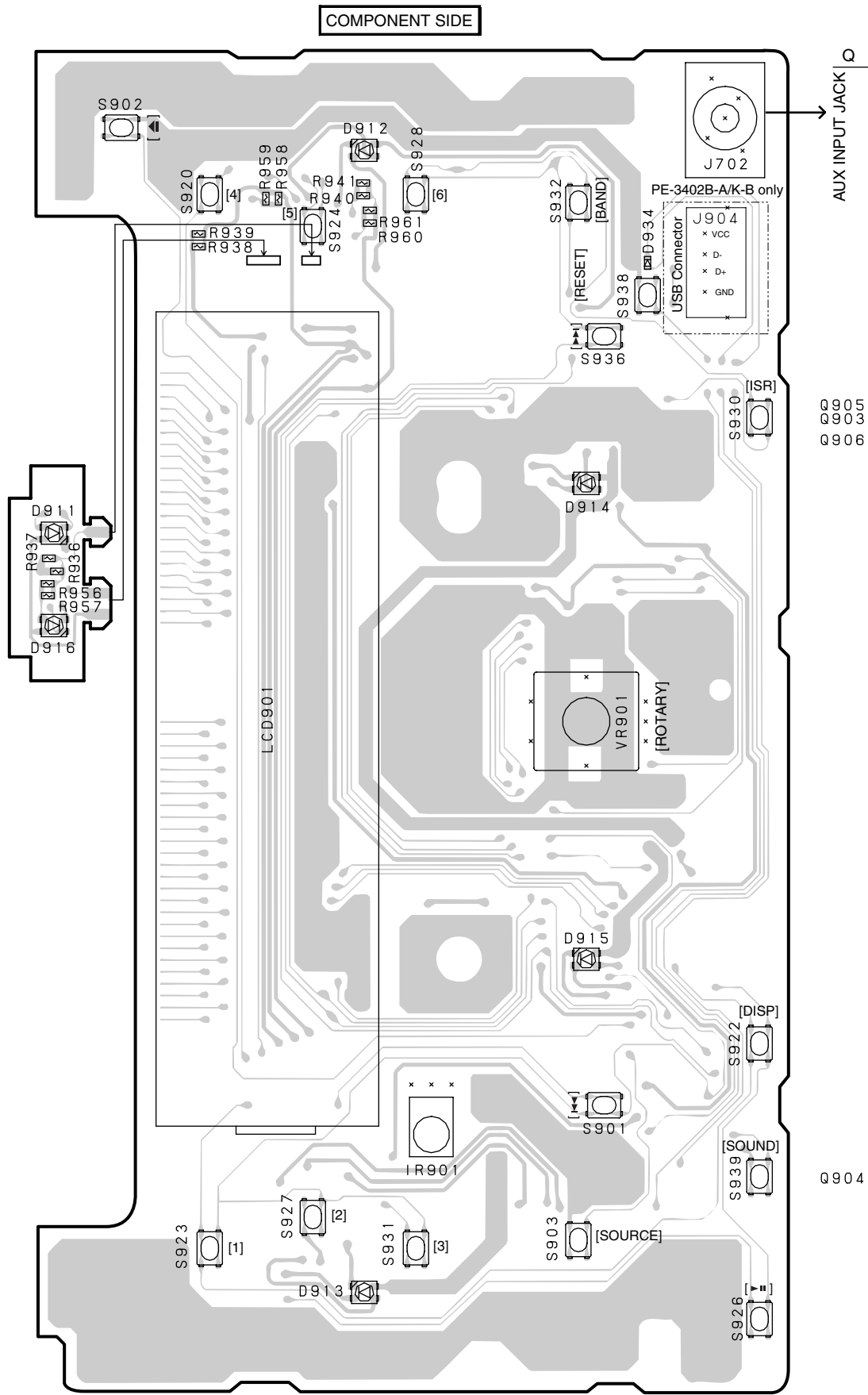
Switch PWB(B2) section

The parts of a dotted line express the parts on a solder side.

Caution:  
COMPONENT SIDE: Parts on the component side seen from the component side are indicated.  
SOLDER SIDE: Parts on the solder side seen from the solder side are indicated.

CIRCUIT DIAGRAM 1/7

BT PWB(B3) section

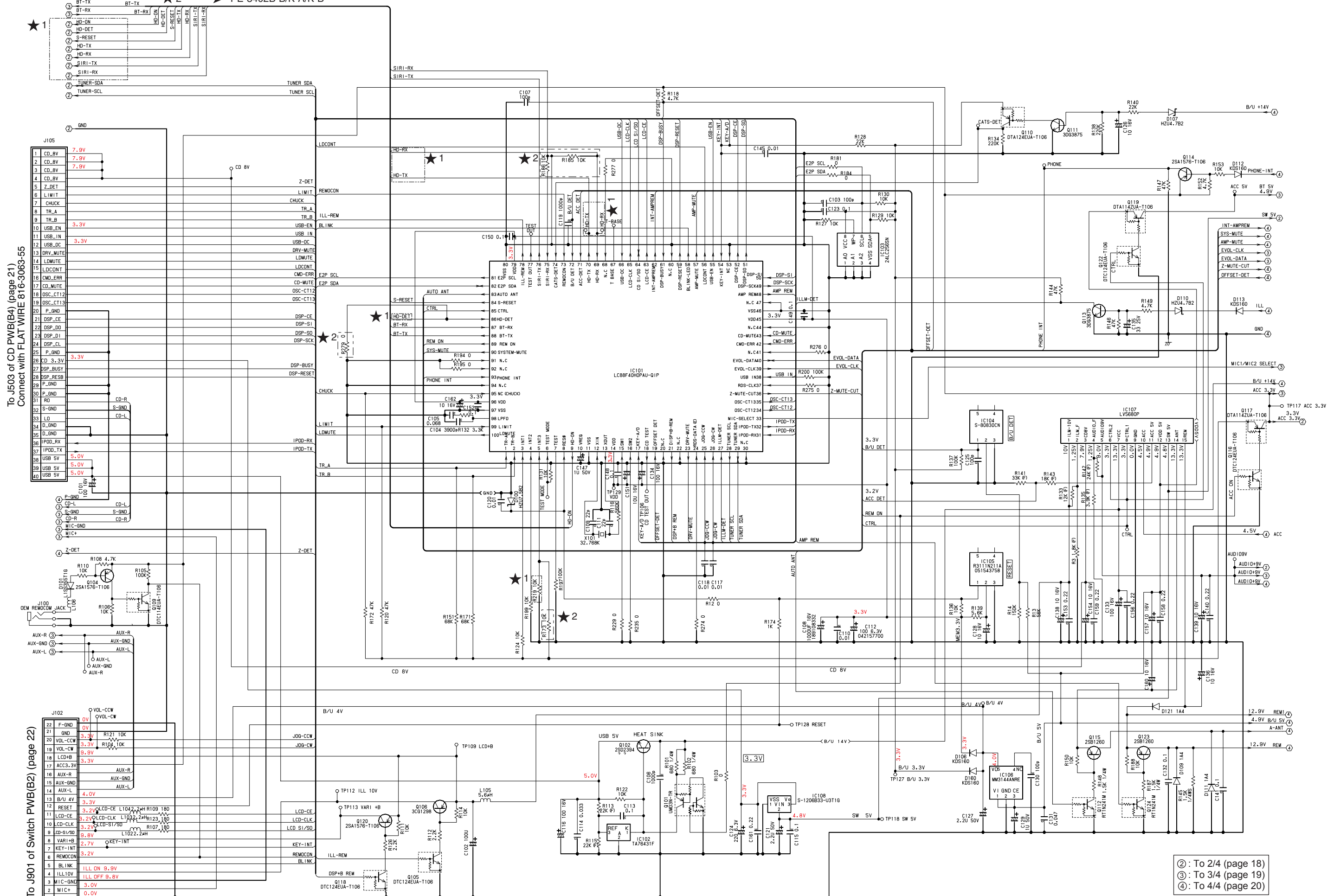




# CIRCUIT DIAGRAM 2/7

Main PWB(B1) section 1/4

★ 1 → PE-3402B-A  
★ 2 → PE-3402B-B/K-A/K-B



To J503 of CD PWB(B4) (page 21)  
Connect with FLAT WIRE 816-3063-55

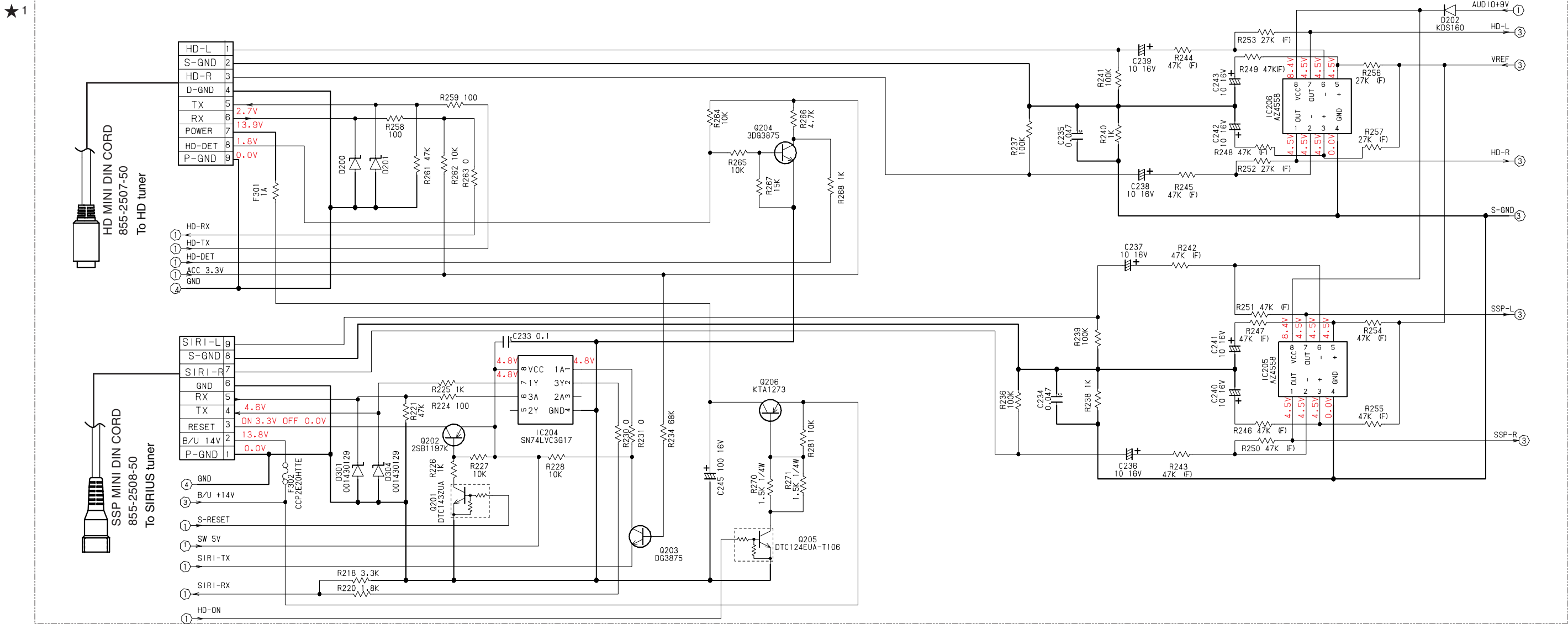
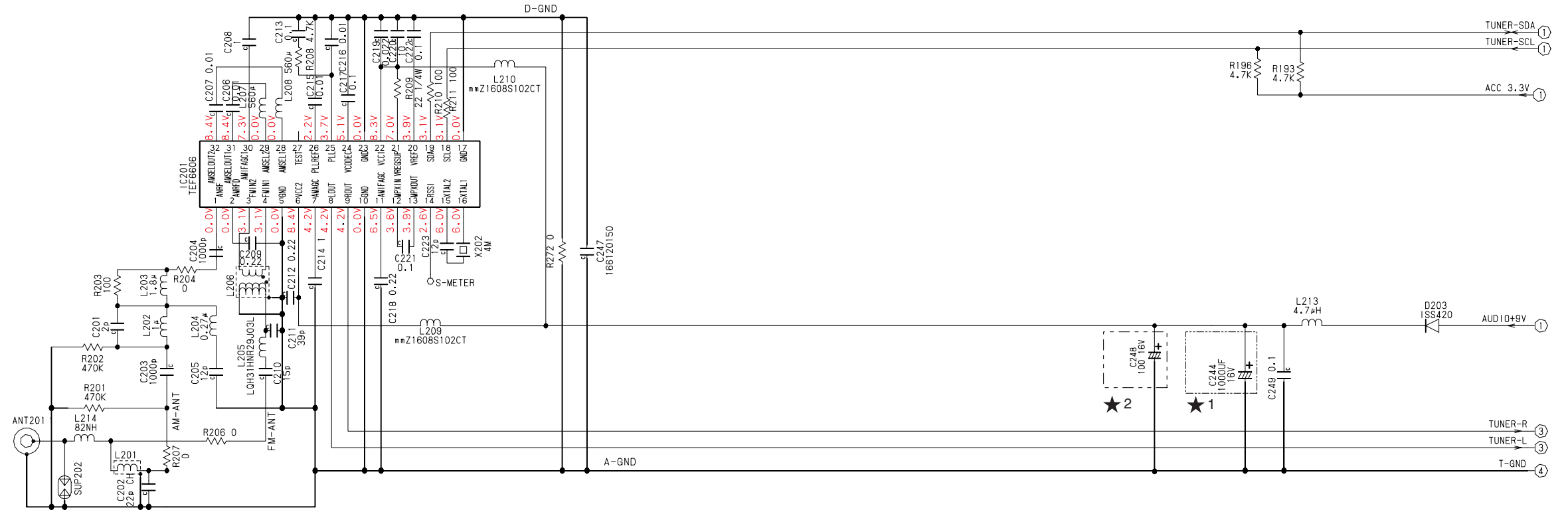
To J901 of Switch PWB(B2) (page 22)

- ② : To 2/4 (page 18)
- ③ : To 3/4 (page 19)
- ④ : To 4/4 (page 20)

# CIRCUIT DIAGRAM 3/7

Main PWB(B1) section 2/4

- ★ 1 → PE-3402B-A
- ★ 2 → PE-3402B-B/K-A/K-B

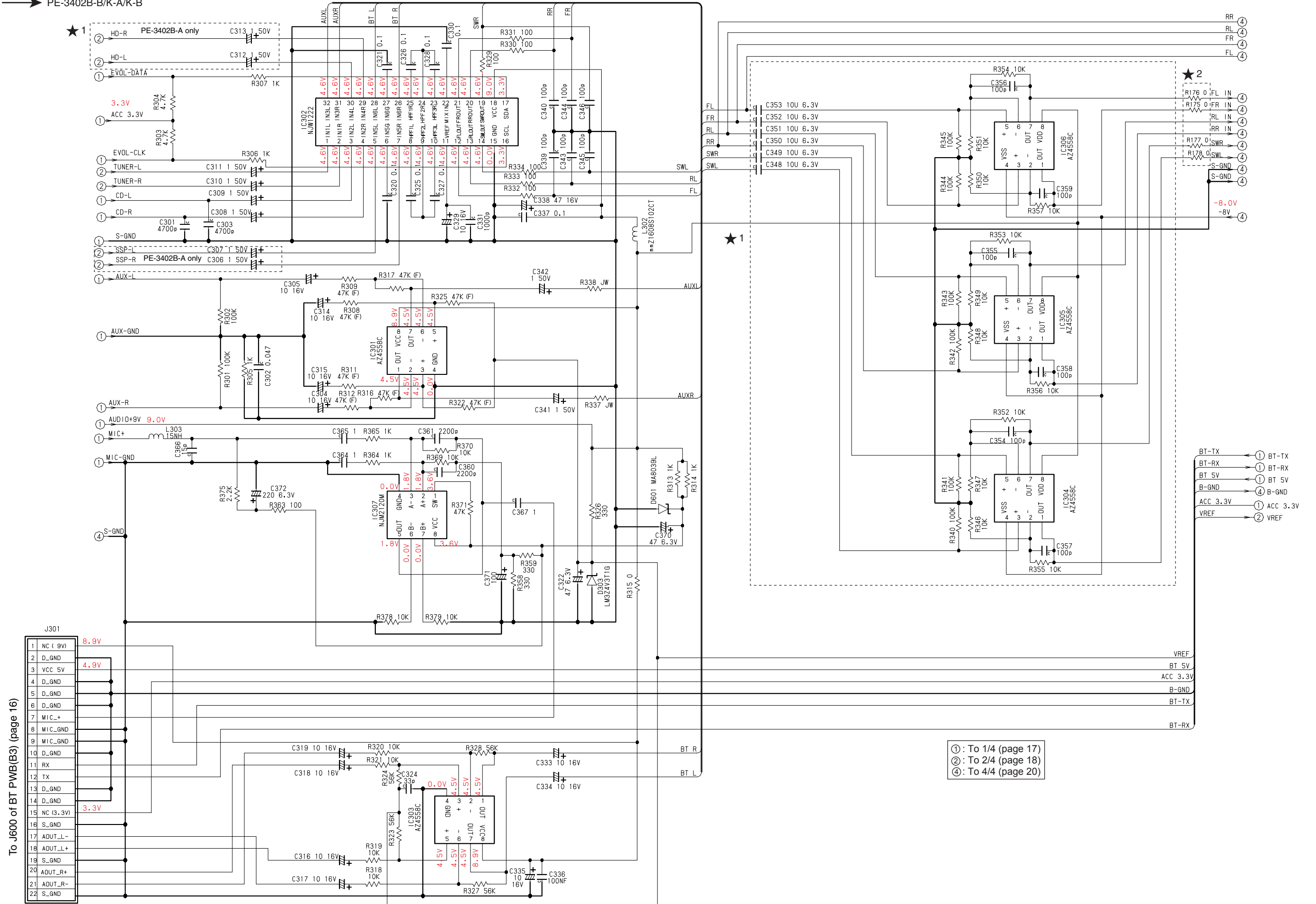


- ① : To 1/4 (page 17)
- ③ : To 3/4 (page 19)
- ④ : To 4/4 (page 20)

# CIRCUIT DIAGRAM 4/7

Main PWB(B1) section 3/4

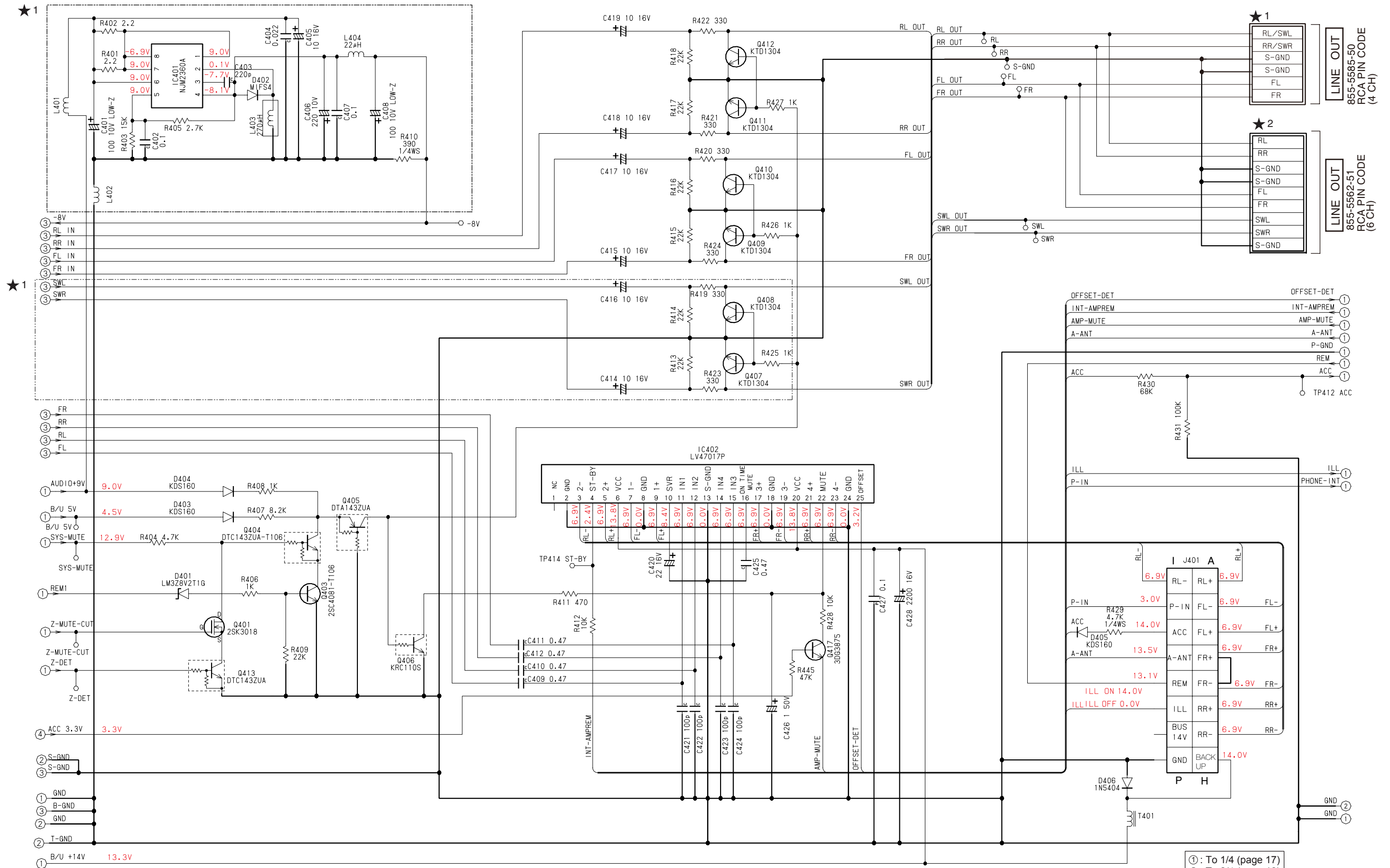
- ★ 1 → PE-3402B-A
- ★ 2 → PE-3402B-B/K-A/K-B



# CIRCUIT DIAGRAM 5/7

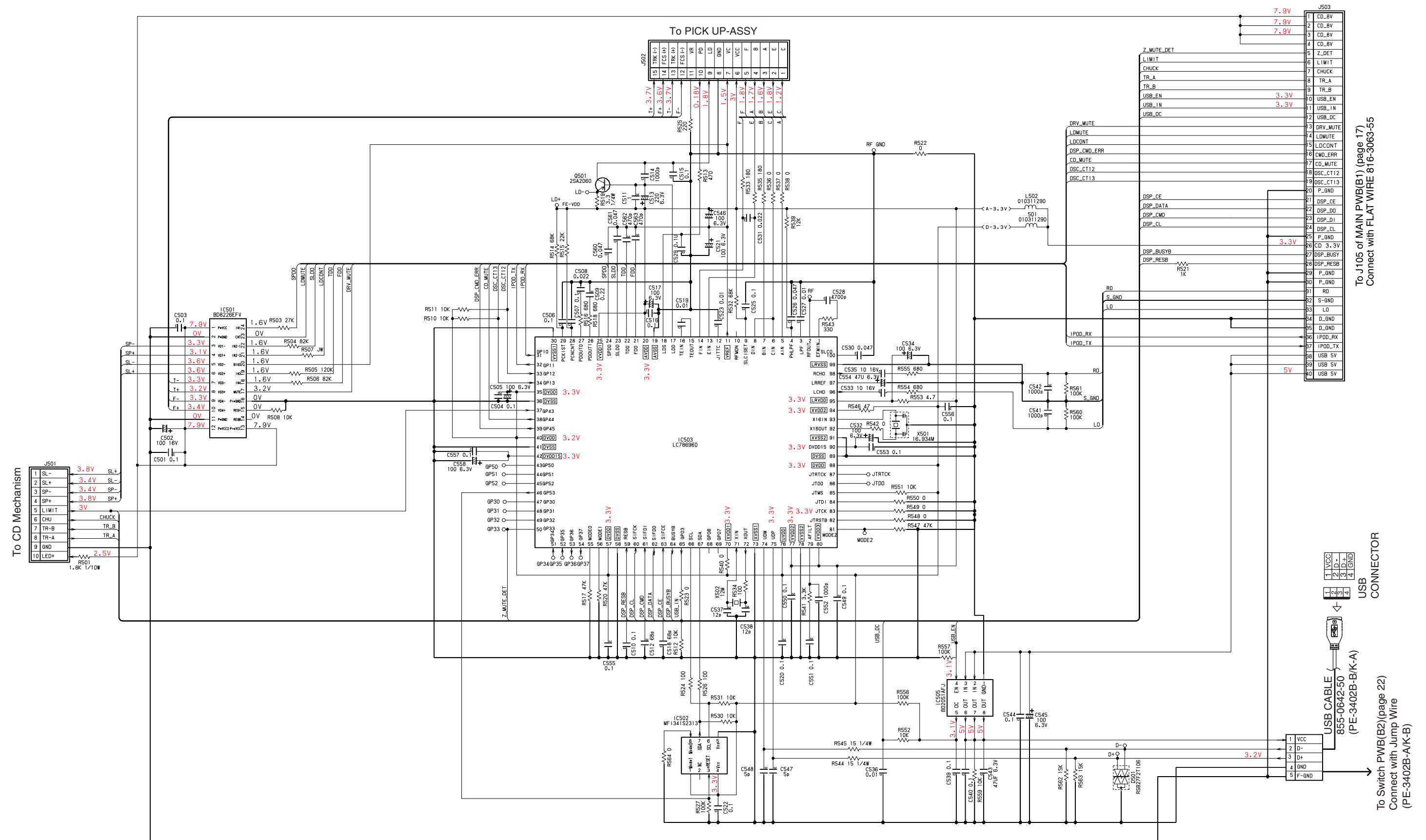
Main PWB(B1) section 4/4

- ★ 1 → PE-3402B-A
- ★ 2 → PE-3402B-B/K-A/K-B



- ① : To 1/4 (page 17)
- ② : To 2/4 (page 18)
- ③ : To 3/4 (page 19)

CIRCUIT DIAGRAM 6/7  
CD PWB(B4) section



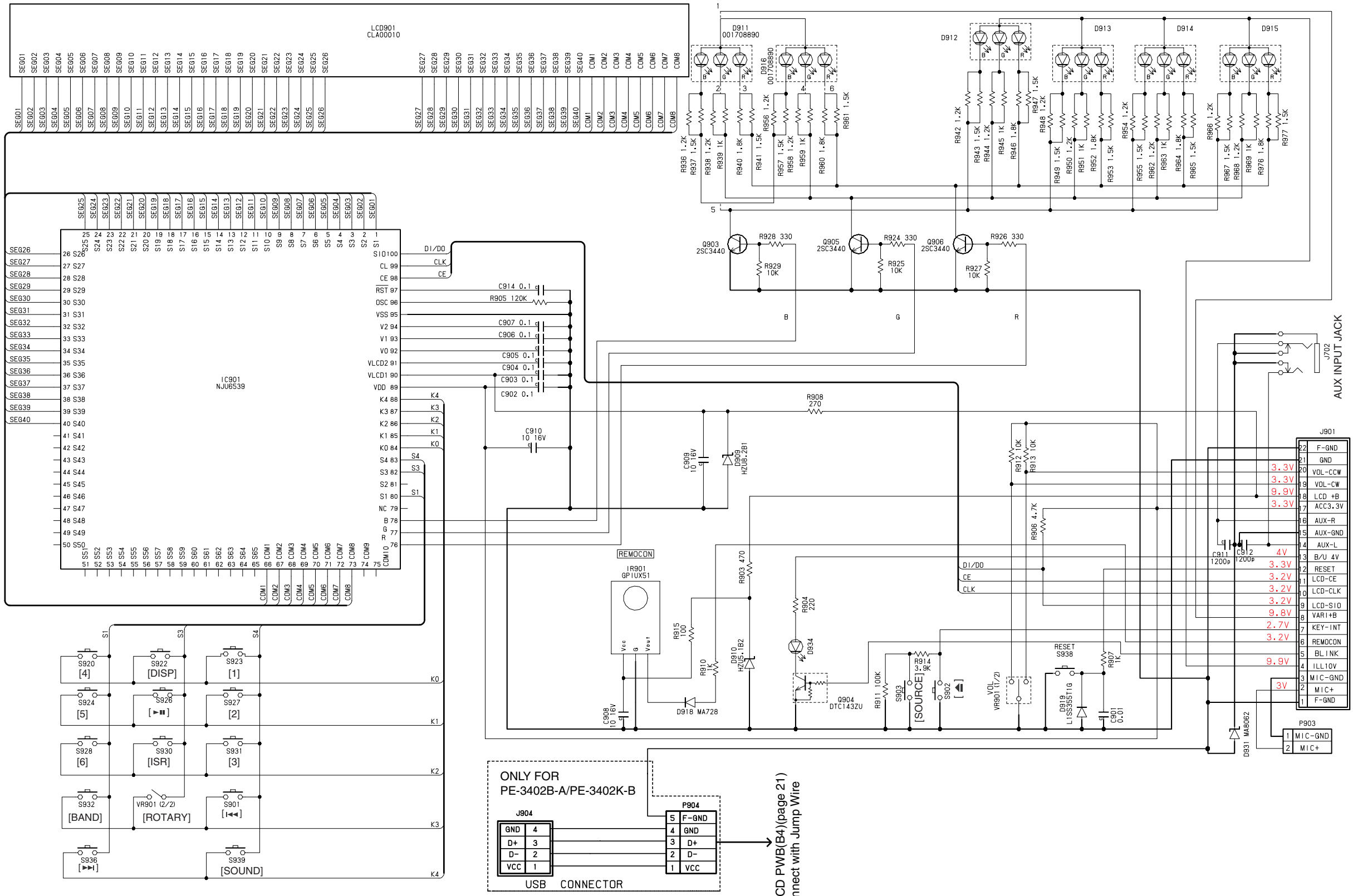
To J105 of MAIN PWB(B1) (page 17)  
Connect with FLAT WIRE 816-3063-55

USB CONNECTOR

USB CABLE 855-0642-50 (PE-3402B-B/K-A)  
To Switch PWB(B2)(page 22)  
Connect with Jump Wire (PE-3402B-A/K-B)

# CIRCUIT DIAGRAM 7/7

## Switch PWB(B2) section



To J102 of Main PWB(B1) (page 17)

To CD PWB(B4) (page 21)  
Connect with Jump Wire

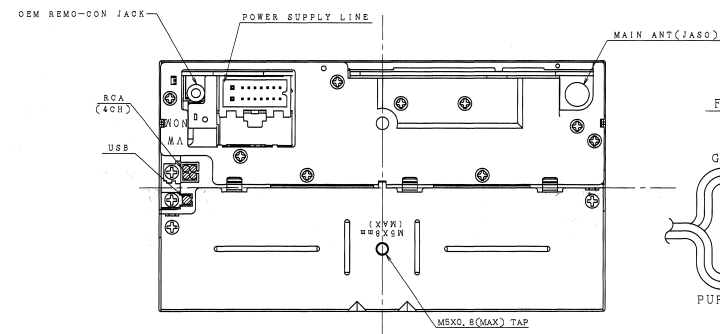
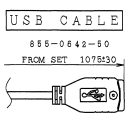
SERVICE MATERIAL  
for PE-3402B-A / B-B / K-A / K-B



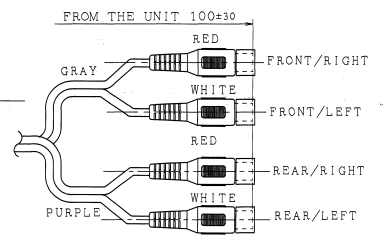




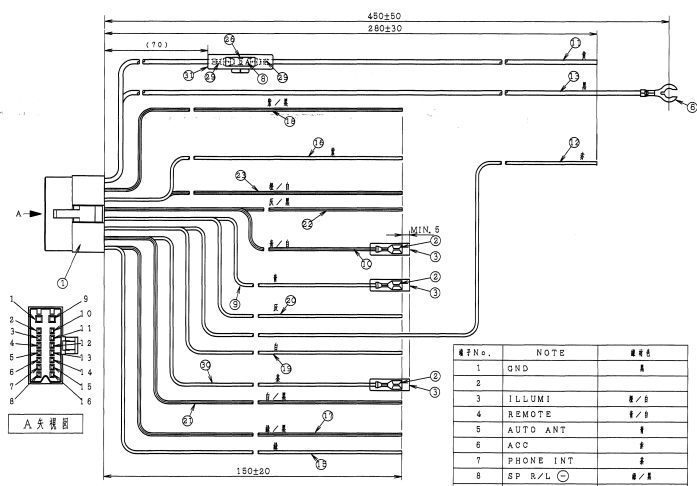
| MODEL NO | DESTINATION | RADIO    |                  |            |        |     |     |    |     |    |       | CD   |            |                   |        |         |     |             |            |         |      | MD   |            |        |         |             |            |       |          |       |             | AUDIO        |    |     |        |       |      |            |        |     |       | APPEARANCE |     |      |            |       | USB  |   | BLUETOOTH |  |
|----------|-------------|----------|------------------|------------|--------|-----|-----|----|-----|----|-------|------|------------|-------------------|--------|---------|-----|-------------|------------|---------|------|------|------------|--------|---------|-------------|------------|-------|----------|-------|-------------|--------------|----|-----|--------|-------|------|------------|--------|-----|-------|------------|-----|------|------------|-------|------|---|-----------|--|
|          |             | BAND     | NUMBER OF MEMORY | AUTO-STORE | F-SCAN | LSR | EQN | AF | REG | TA | PTY   | MECH | INTRO SCAN | COMPRESSION MUSIC | REPEAT | RAN DOM | BCM | AUTO RELOAD | BACK UP E1 | OD TEXT | MECH | MDLP | INTRO SCAN | REPEAT | RAN DOM | AUTO RELOAD | BACK UP E1 | VOL   | BASS/TRE | M-SEG | ANTE 100KHz | D-BEHAN PLUS | EQ | DSP | AV OUT | POWER | MECH | PHONE MUTE | SIMMER | DSP | CLOCK | TOUCH TONE | BUS | PLAY | HANDS FREE | AVRCP | AZDP |   |           |  |
| CX501A   | THIRD       | FM3, AM1 | FM3:18<br>AM1:6  | ○          | ○      | —   | —   | —  | —   | —  | GE-1A | ○    | ○          | ○                 | ○      | ○       | ○   | ○           | ○          | —       | —    | —    | —          | —      | —       | —           | —          | E-VOL | ○        | —     | —           | —            | —  | —   | 50Wx4  | —     | ○    | ○          | ○      | ○   | ○     | ○          | ○   | ○    | ○          | ○     | ○    | ○ |           |  |



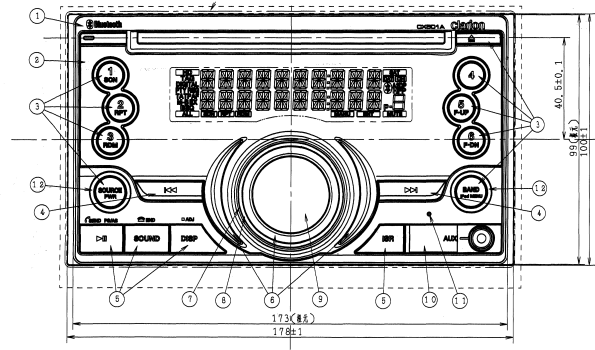
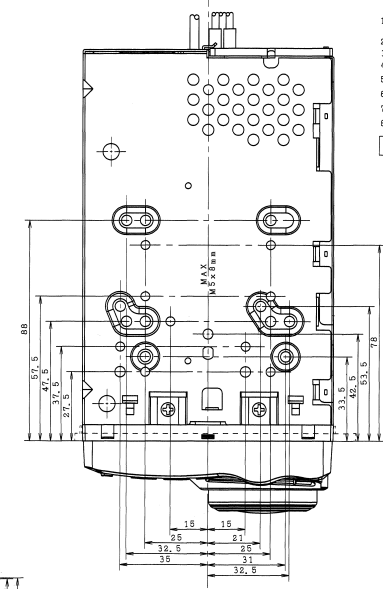
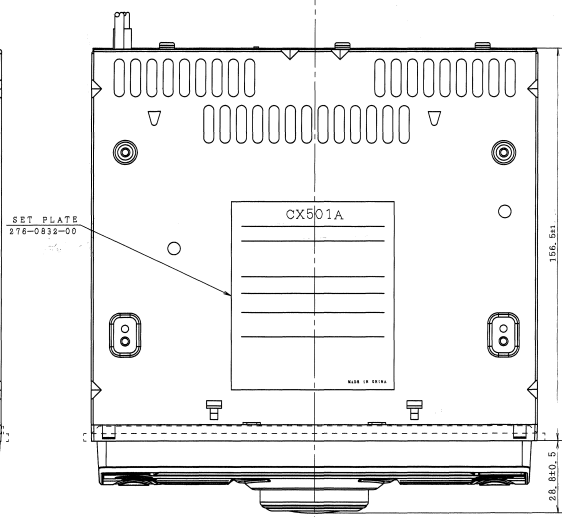
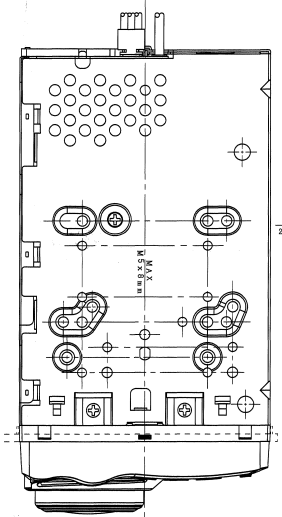
**RCA-PIN-CORD**  
(855-5585-50)



**電源コード**  
854-6487-50



| Pin No. | NOTE      | 色   |
|---------|-----------|-----|
| 1       | GND       | 黒   |
| 2       | ILLUMI    | 黄/黒 |
| 4       | REMOTE    | 白/黒 |
| 5       | AUTO ANT  | 黒   |
| 6       | ACC       | 黒   |
| 7       | PHONE INT | 黒   |
| 8       | SP R/L    | 黒/黒 |
| 9       | BACK UP   | 黒   |
| 10      | SP R/R    | 黒/黒 |
| 11      | SP R/R    | 黒   |
| 12      | SP F/R    | 黒/黒 |
| 13      | SP F/R    | 黒   |
| 14      | SP F/L    | 黒   |
| 15      | SP F/L    | 黒/黒 |
| 16      | SP R/L    | 黒   |

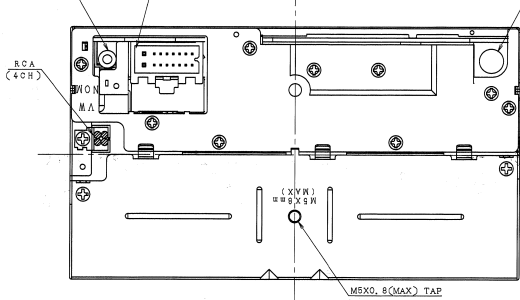


OUTSIDE VIEW

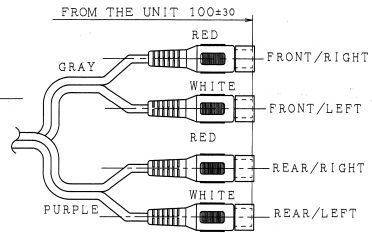
PE-3402K-A

|           |             | RADIO    |                  |            |        |     | RDS |    |     |    |     | CD   |            |                   |        |         | MD  |             |             |         |      | AUDIO |            |        |         | APPEARANCE  |             |     |          | USB    |      | BLUETOOTH |      |      |    |     |        |       |      |            |        |     |       |            |     |      |            |       |      |   |
|-----------|-------------|----------|------------------|------------|--------|-----|-----|----|-----|----|-----|------|------------|-------------------|--------|---------|-----|-------------|-------------|---------|------|-------|------------|--------|---------|-------------|-------------|-----|----------|--------|------|-----------|------|------|----|-----|--------|-------|------|------------|--------|-----|-------|------------|-----|------|------------|-------|------|---|
| MODEL No. | DESTINATION | BAND     | NUMBER OF MEMORY | AUTO-STORE | F-SCAN | ISR | EQN | AT | REG | TA | PTY | MECH | INTRO SCAN | COMPRESSION MUSIC | REPEAT | RAN DOM | ROW | AUTO RELOAD | BACK UP E J | CD TEXT | MECH | MDLS  | INTRO SCAN | REPEAT | RAN DOM | ASTO RELOAD | BACK UP E J | VOL | BASS/TRE | MP-BEQ | MUTE | B-EVEN    | TRMP | PLUS | EQ | DSP | 4V OUT | POWER | MECH | PHONE NOTE | SIMMER | DOP | CLOCK | TOUCH TONE | BUS | PLAY | HANDE FREE | AVRCP | AZDP |   |
| CX501A    | THIRD       | FM3. AN1 | FM3. 18          | AM1. 18    | ○      | ○   | —   | —  | —   | —  | —   | ○    | ○          | ○                 | ○      | ○       | ○   | ○           | ○           | ○       | ○    | ○     | ○          | ○      | ○       | ○           | ○           | ○   | ○        | ○      | ○    | ○         | ○    | ○    | ○  | ○   | ○      | ○     | ○    | ○          | ○      | ○   | ○     | ○          | ○   | ○    | ○          | ○     | ○    | ○ |

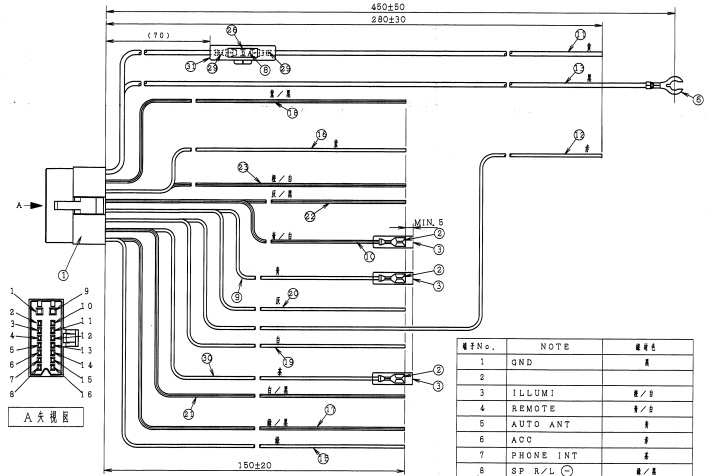
OEM REMO-CON JACK      POWER SUPPLY LINE      MAIN ANT (JASO)



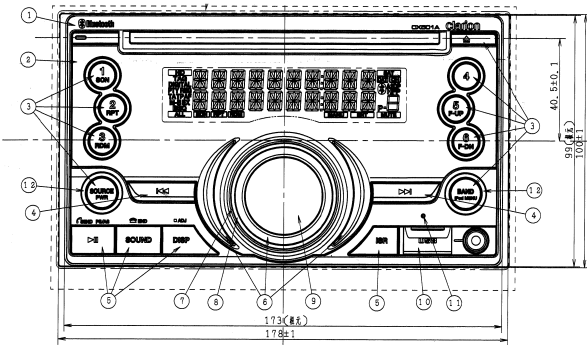
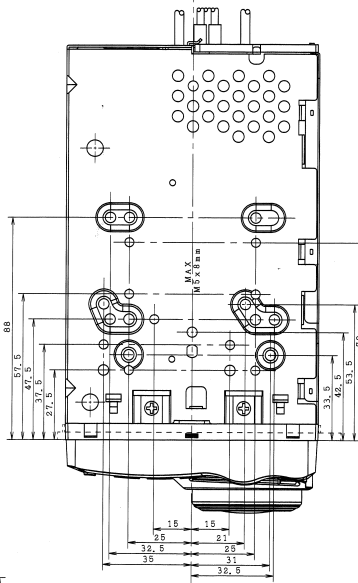
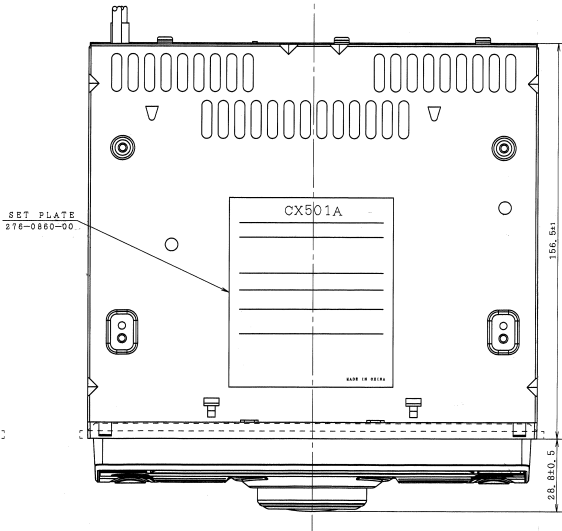
RCA-PIN-CORD  
(855-5585-50)



電通リード  
854-6487-50

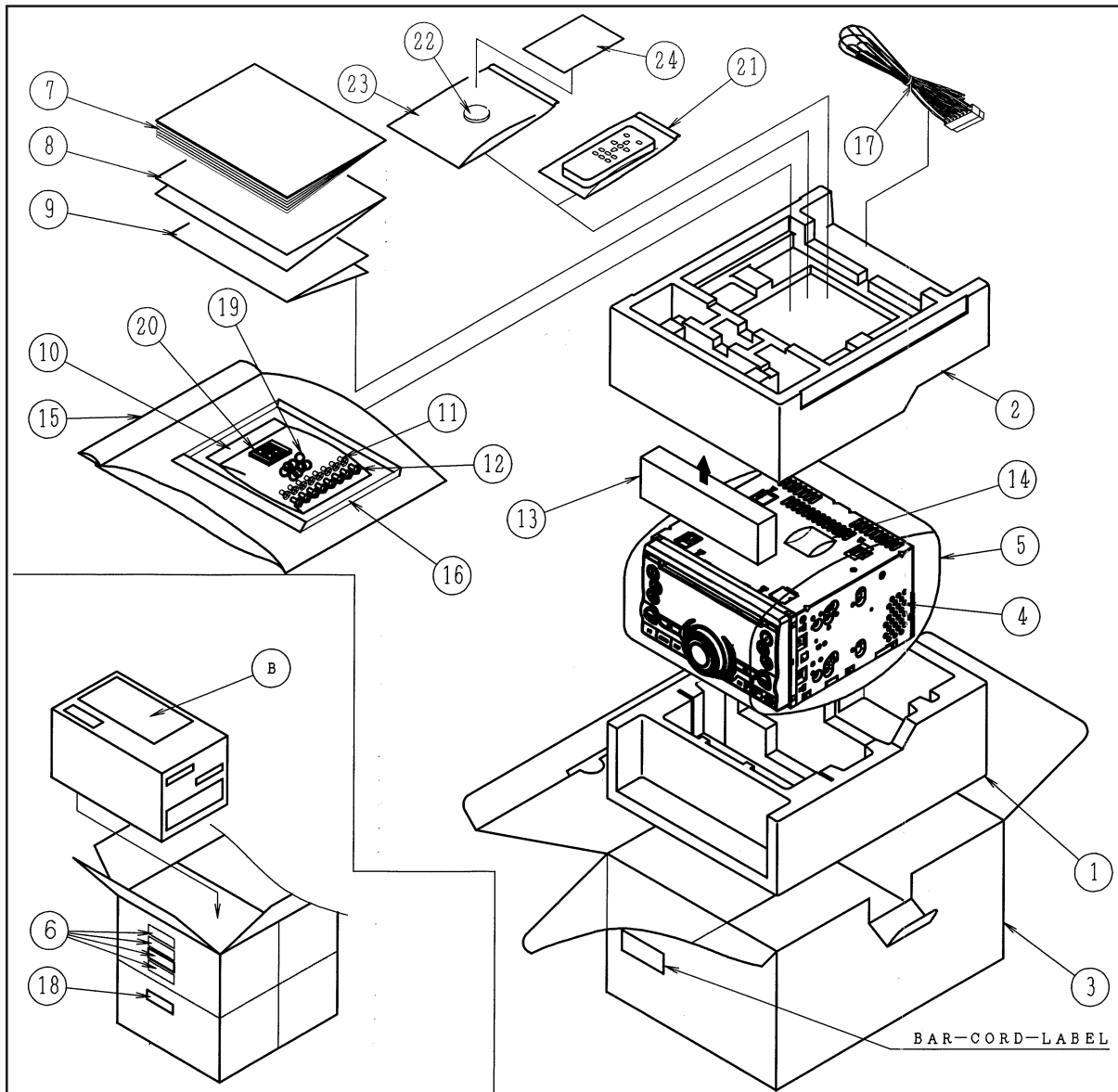


| Pin No. | NOTE      | 仕様  |
|---------|-----------|-----|
| 1       | GROUND    | ■   |
| 2       |           |     |
| 3       | ILLUMI    | ■/P |
| 4       | REMOTE    | ■/P |
| 5       | AUTO ANT  | ■   |
| 6       | ACC       | ■   |
| 7       | PHONE INT | ■   |
| 8       | SP R/L ⊕  | ■/■ |
| 9       | BACK UP   | ■   |
| 10      | SP R/R ⊕  | ■/■ |
| 11      | SP R/R ⊕  | ■   |
| 12      | SP F/R ⊕  | ■/■ |
| 13      | SP F/R ⊕  | ■   |
| 14      | SP F/L ⊕  | ■   |
| 15      | SP F/L ⊕  | ■/■ |
| 16      | SP R/L ⊕  | ■   |



OUTSIDE VIEW

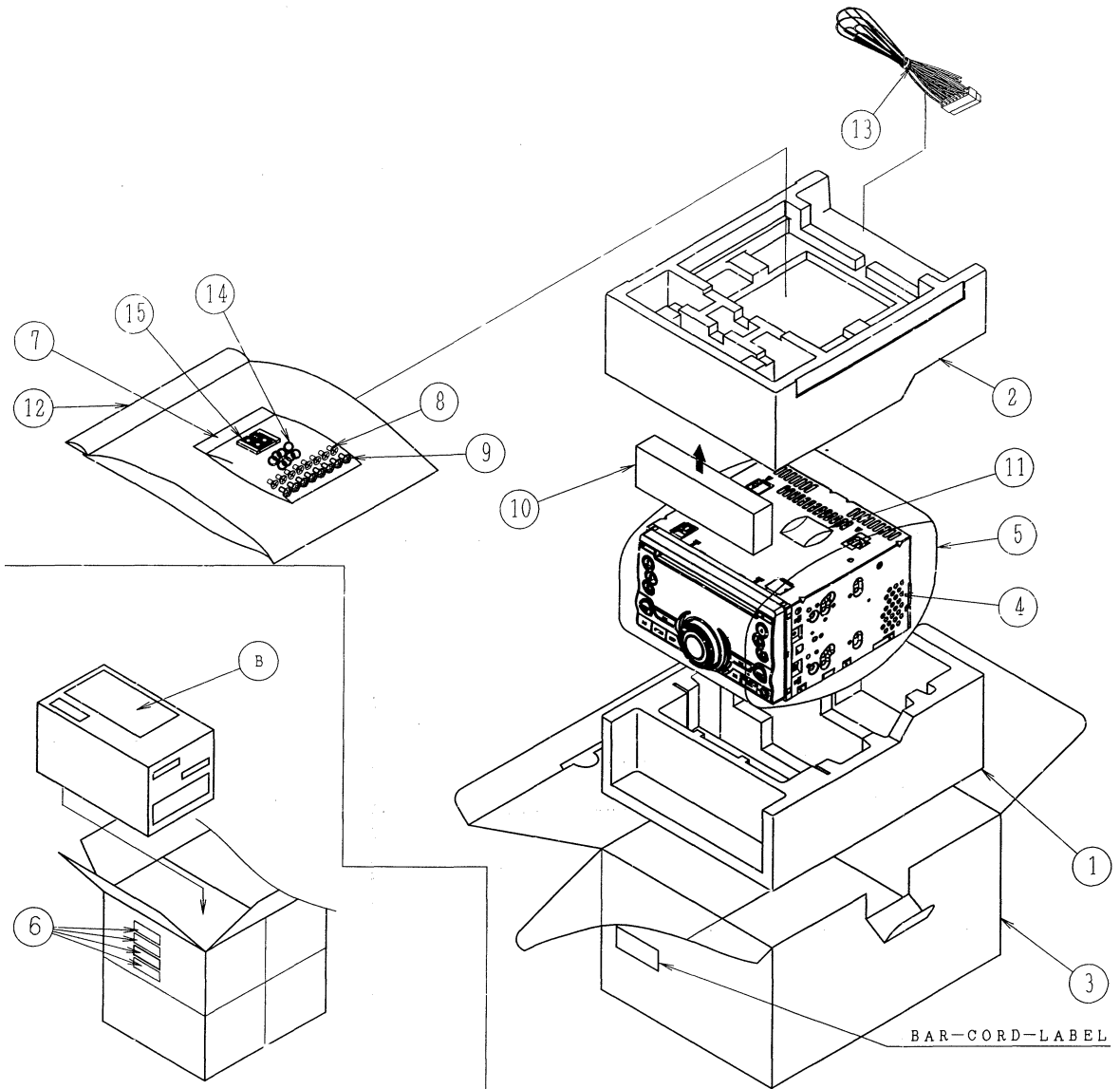
PE-3402K-B



|    |                |     |           |
|----|----------------|-----|-----------|
| 24 | LABEL          | 1   |           |
| 23 | POLY BAG       | 1   |           |
| 22 | BATTERY        | 1   |           |
| 21 | REMO-CON       | 1   |           |
| 20 | DOUBLE FACE    | 2   |           |
| 19 | SPACER         | 8   |           |
| 18 | BAR-CORD-LABEL | 1/4 |           |
| 17 | EXTENSION LEAD | 1   |           |
| 16 | FINISHER       | 1   |           |
| 15 | POLY-BAG       | 1   | PARTS BAG |
| 14 | SILICAGEL      | 1   |           |
| 13 | PACKING        | 1   |           |
| 12 | SPECIAL SCREW  | 8   | M5X8      |
| 11 | MACHINE SCREW  | 8   | M5X8      |
| 10 | POLY-BAG       | 1   | PARTS BAG |
| 9  | WARRANTY CARD  | 1   |           |
| 8  | INSTALLATION   | 1   |           |
| 7  | OWNERS GUIDE   | 1   |           |
| 6  | SET PLATE      | 1   |           |
| 5  | POLY-BAG       | 1   | SET       |
| 4  | CAR STEREO     | 1   |           |
| 3  | CARTON         | 1   |           |
| 2  | PACKING        | 1   |           |
| 1  | PACKING        | 1   |           |

PACKING VIEW

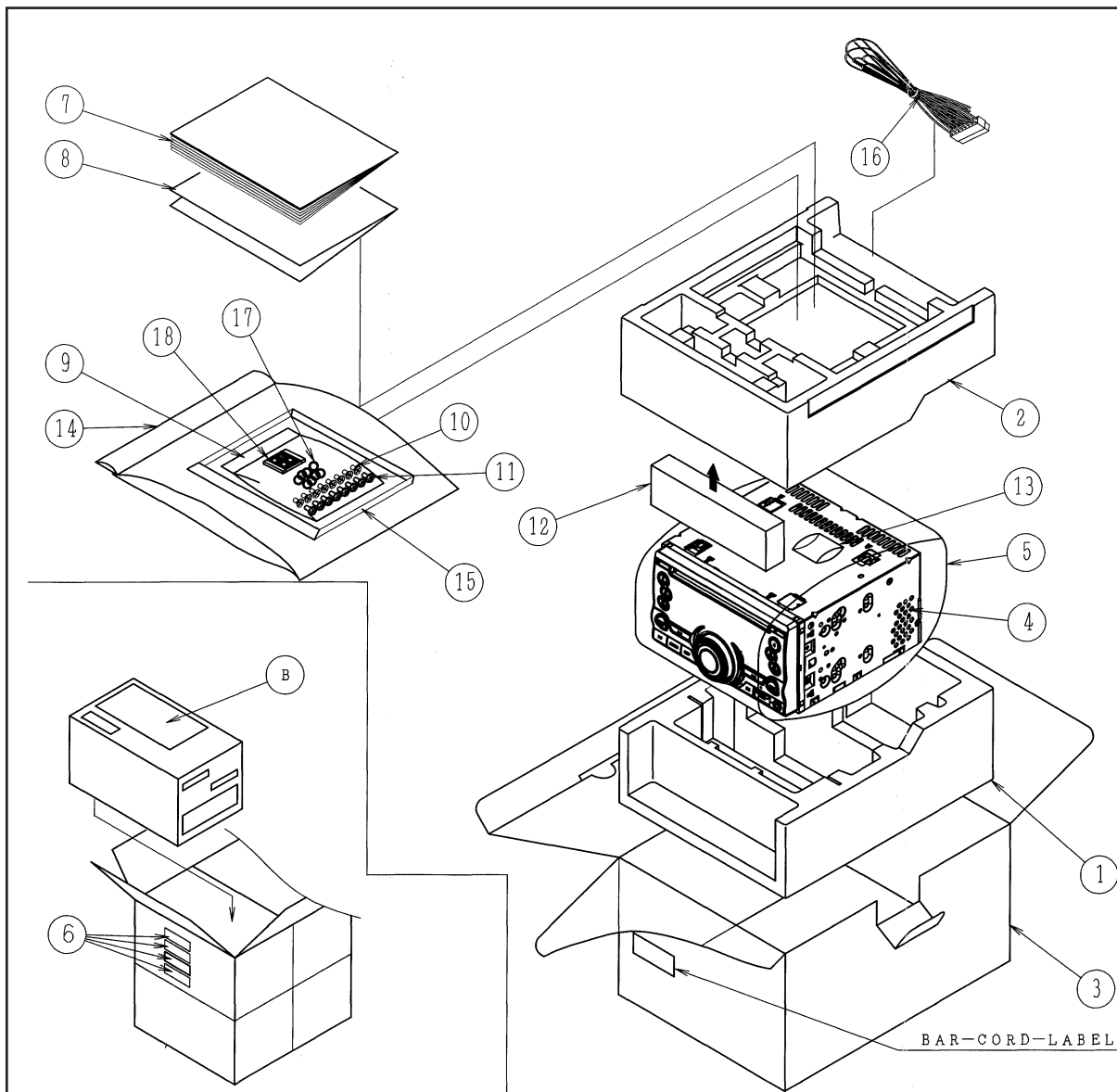
PE-3402B-A



|    |                |   |           |
|----|----------------|---|-----------|
| 15 | DOUBLE FACE    | 2 |           |
| 14 | SPACER         | 8 |           |
| 13 | EXTENSION LEAD | 1 |           |
| 12 | POLY-BAG       | 1 | PARTS BAG |
| 11 | SILICAGEL      | 1 |           |
| 10 | PACKING        | 1 |           |
| 9  | SPECIAL SCREW  | 8 | M5X8      |
| 8  | MACHINE SCREW  | 8 | M5X8      |
| 7  | POLY-BAG       | 1 | PARTS BAG |
| 6  | SET PLATE      | 1 |           |
| 5  | POLY-BAG       | 1 | SET       |
| 4  | CAR STEREO     | 1 |           |
| 3  | CARTON         | 1 |           |
| 2  | PACKING        | 1 |           |
| 1  | PACKING        | 1 |           |

PACKING VIEW

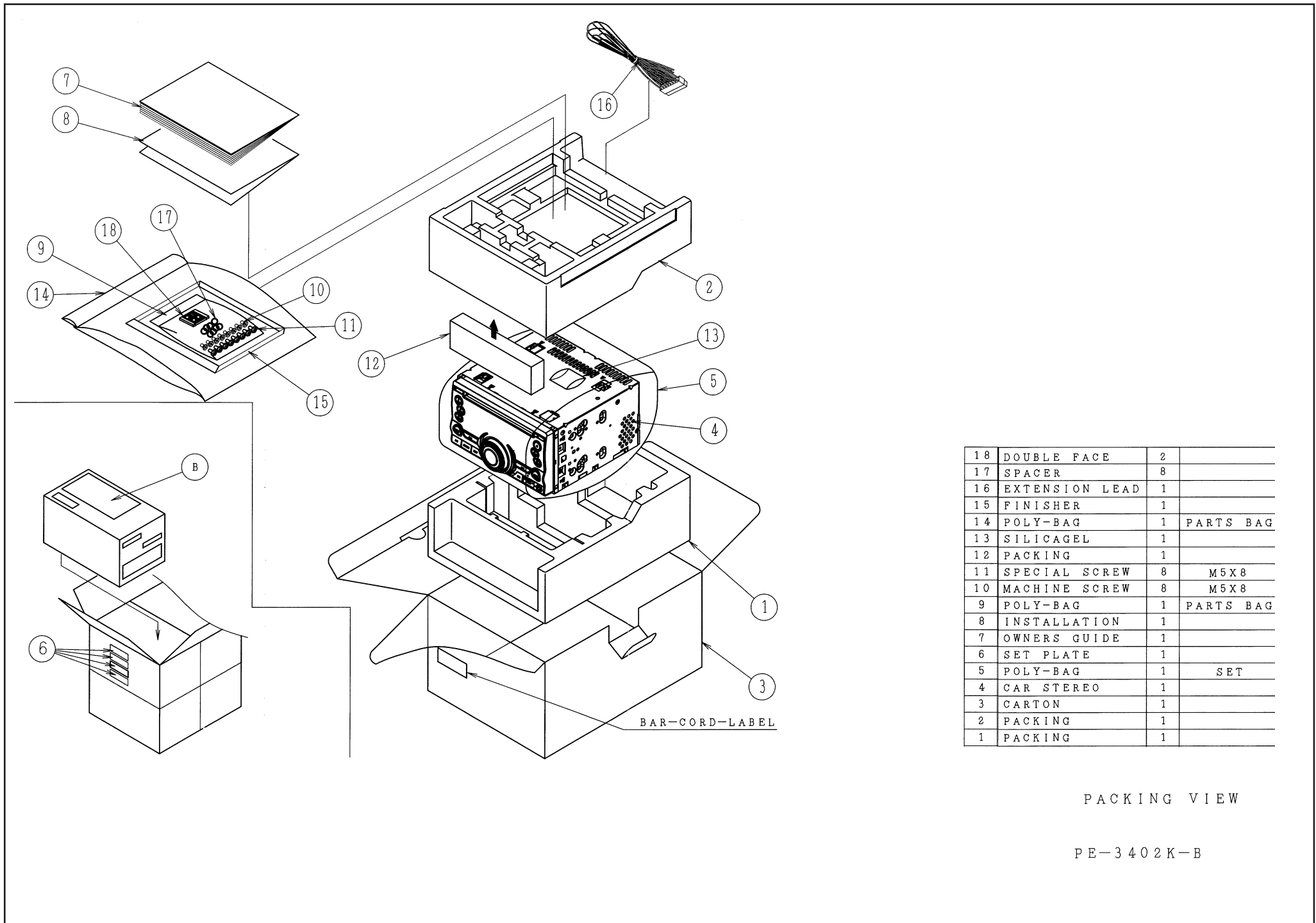
PE-3402B-B



|    |                |   |           |
|----|----------------|---|-----------|
| 18 | DOUBLE FACE    | 2 |           |
| 17 | SPACER         | 8 |           |
| 16 | EXTENSION LEAD | 1 |           |
| 15 | FINISHER       | 1 |           |
| 14 | POLY-BAG       | 1 | PARTS BAG |
| 13 | SILICAGEL      | 1 |           |
| 12 | PACKING        | 1 |           |
| 11 | SPECIAL SCREW  | 8 | M5X8      |
| 10 | MACHINE SCREW  | 8 | M5X8      |
| 9  | POLY-BAG       | 1 | PARTS BAG |
| 8  | INSTALLATION   | 1 |           |
| 7  | OWNERS GUIDE   | 1 |           |
| 6  | SET PLATE      | 1 |           |
| 5  | POLY-BAG       | 1 | SET       |
| 4  | CAR STEREO     | 1 |           |
| 3  | CARTON         | 1 |           |
| 2  | PACKING        | 1 |           |
| 1  | PACKING        | 1 |           |

PACKING VIEW

PE-3402K-A



|    |                |   |           |
|----|----------------|---|-----------|
| 18 | DOUBLE FACE    | 2 |           |
| 17 | SPACER         | 8 |           |
| 16 | EXTENSION LEAD | 1 |           |
| 15 | FINISHER       | 1 |           |
| 14 | POLY-BAG       | 1 | PARTS BAG |
| 13 | SILICAGEL      | 1 |           |
| 12 | PACKING        | 1 |           |
| 11 | SPECIAL SCREW  | 8 | M5X8      |
| 10 | MACHINE SCREW  | 8 | M5X8      |
| 9  | POLY-BAG       | 1 | PARTS BAG |
| 8  | INSTALLATION   | 1 |           |
| 7  | OWNERS GUIDE   | 1 |           |
| 6  | SET PLATE      | 1 |           |
| 5  | POLY-BAG       | 1 | SET       |
| 4  | CAR STEREO     | 1 |           |
| 3  | CARTON         | 1 |           |
| 2  | PACKING        | 1 |           |
| 1  | PACKING        | 1 |           |

PACKING VIEW

PE-3402K-B