

DAEWOO

Service Manual

Digital Home Cinema System

Model : DHC-X200/X250



DAEWOO ELECTRONICS CO., LTD.

DIGITAL HOME CINEMA SYSTEM





DHC-X200/X250

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1. Safety Precautions

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  | CAUTION RISK OF ELECTRIC SHOCKS DO NOT OPEN |  |
| CAUTION : TO REDUCE THE RISK IF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. | | |
|  | THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS. | |
|  | THIS SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE. | |

CAUTION
TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

LASER SAFETY
THIS UNIT EMPLOYS A LASER. ONLY QUALIFIED SERVICE PERSONNEL SHOULD REMOVE THE COVER OR ATTEMPT TO SERVICE THIS DEVICE DUE TO POSSIBLE EYE INJURY.

CAUTION : USE OF ANY CONTROLS, ADJUSTMENTS, OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION : POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

Important Safety Instructions

- All the safety and operating instructions should be read before the appliance is operated.
 - The safety and operating instructions should be retained for future reference.
 - All warnings on the appliance and in the operating instructions should be adhered to.
 - All operating and use instructions should be followed.
1. Water and Moisture - The appliance should not be used near water - for example, near a bathtub, washbowl, kitchen sink,

laundry tub, in a wet basement, or near a swimming pool, and the like.

PORTABLE CART

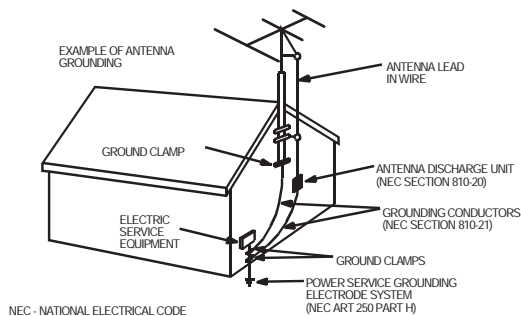


Figure 2

2. Carts and Stands - The appliance should be used only with a cart or stand that is recommended by the manufacturer.
3. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.
4. Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
5. Ventilation - The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
6. Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
7. Power Sources - The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
8. Grounding or Polarization - The precautions that should be taken so that the grounding or polarization means of an appliance is not defeated.
9. Power - Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
10. Protective Attachment Plug - If the appliance is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
11. Cleaning - The appliance should be cleaned only as recommended by the manufacturer.
12. Power Lines - An outdoor antenna should be located away from power lines.

1. Safety Precautions

13. Outdoor Antenna Grounding - If an outside antenna is connected to the receiver be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure 1.



14. Non-use Periods - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

15. Object and Liquid Entry - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

16. Damage Requiring Service - The appliance should be serviced by qualified service personnel when:

- a) The power-supply cord or the plug has been damaged; or
- b) Objects have fallen, or liquid has been spilled into the appliance; or
- c) The appliance has been exposed to rain; or
- d) The appliance does not appear to operate normally or exhibits a marked change in performance; or
- e) The appliance has been dropped, or the enclosure damaged.

17. Servicing - The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

2. Specifications

DHC-X200/X250

General specifications

| | | | |
|------------------------------------|--------------------------------------------------------------|---------------------------------|------------------------------------|
| Power supply Voltage (Option) | AC 110V or 120V or 127V or 220V or 230V or 240V (50/60Hz) | Power consumption | Standby 2Watt Operating 130Watt |
| | | Dimensions (W x D x H) / Weight | 430 x 380 x 97mm/ 9.2 kg |

Front Amp. Section

| | | |
|-----------------------------------------|-------------------------|-----------------|
| POWER OUTPUT at 10% THD | At 1KHz, 6 ohms | 30W |
| THD(Total Harmonic Distortion) | At 1KHz, 1W | 0.1% |
| Input Sen. / Impedance @ 1KHz, 47K ohms | TV,Tape/MD | 200mV ± 30/47K |
| Output Level/Impedance @ 1KHz | Tape Rec | 200mV ± 30/2.2K |
| Frequency Response(Analogue) | at 1W : TV,Tape/MD -3dB | 20Hz~20KHz |
| S/N Ratio IHF-A Weighted | TV,Tape/MD | 75dB |
| Subwoofer Turnover Frequency | | ≤ 120Hz |
| Channel Separation | 1KHz | 45dB |
| Crosstalk | Tape/MD-->TV | 60dB |
| | TV-->Tape/MD | 60dB |

Center Amp Section

| | | |
|---------------------------|-----------------|-------------|
| POWER OUTPUT at 10% THD | At 1KHz, 6 ohms | 30W |
| TOTAL HARMONIC DISTORTION | At 1KHz, 1W | 0.1% |
| S/N RATIO, IHF-A FILTER | Rated Output | 65dB |
| FRE. RESPONSE | 1W | 30Hz~20KHz |
| DOLBY MODE | 1W | 120Hz~20KHz |

Rear Amp Section

| | | |
|---------------------------|-----------------|-------------|
| POWER OUTPUT 10% THD | At 1KHz, 6 ohms | 30W |
| TOTAL HARMONIC DISTORTION | At 1KHz, 1W | 1.0% |
| S/N RATIO DOLBY | Rated Output | 65dB |
| FRE. RESPONSE | 1W | 30Hz~18KHz |
| DOLBY MODE | 1W | 120Hz~18KHz |

Subwoofer Section

| | | |
|-------------------------|------------------|------------|
| POWER OUTPUT at 10% THD | At 100Hz, 4 ohms | 50W |
| FREQUENCY RESPONSE | 1W | 30Hz~120Hz |
| S/N RATIO, IHF-A Weight | | 65dB |

Video Section

| | | | |
|------------------------------------------------|----------------------------------------|----------------------------------|-------------|
| Input Sen./Impedance Output Level/Impedance | Composite Video(Video1,Video2) | 1Vp-p/75 ohms | ± 0.5 dB |
| | C-Video, (VIDEO1 Rec Out, Monitor Out) | 1Vp-p/75 ohms | ± 0.5 dB |
| | S-Video, (DVD Only) | Y :1Vp-p/75 ohms, negative sync. | ± 0.5 dB |
| | | C :0.286Vp-p/75 ohms | ± 0.5 dB |
| Frequency Response | Component Out(DVD Only) | Y :1Vp-p/75 ohms, negative sync. | ± 0.5 dB |
| | | Cb, Cr: 0.7 Vp-p/75 ohms | ± 0.5 dB |
| | | + 0 / - 3dB | + 0 / - 3dB |
| Crosstalk | 5MHz~6MHz | 45dB | 40dB |
| S/N Ratio | @1MHz | 45dB | 40dB |

MW(AM) Tuner Section

| | | |
|--------------------------------|-----------------------------------------|-------------|
| Tuning Range | USA Version | 530~1720KHz |
| | Europe Version | 522~1620KHz |
| Scanning Frequency Interval | USA Version | 10KHz |
| | Europe Version | 9KHz |
| Usable Sensitivity | @1000/999KHz, S+N/N=20dB | 800uV/m |
| S/N Ratio | 400Hz, 30% Mod, 1000KHz (10mV Input) | 40dB |

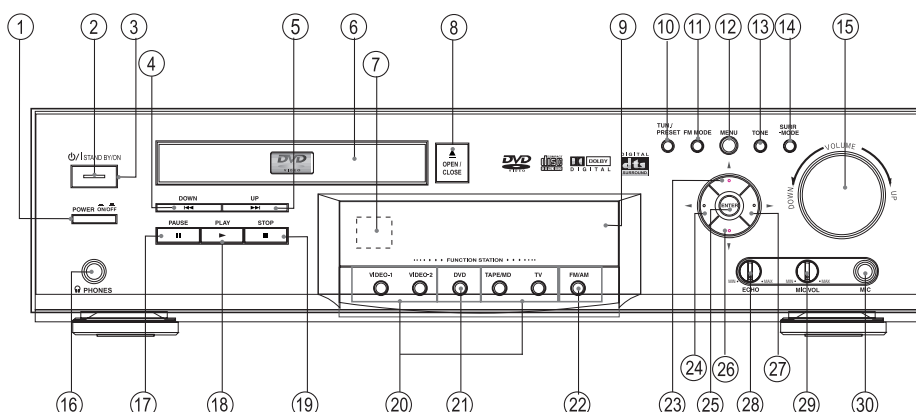
FM Tuner Section (FM ANT Impedance : 75 ohms)

| | | |
|--------------------------------|--------------------------|---------------|
| Tuning Range | USA Version | 87.5~108.0MHz |
| | Europe Version | 87.5~108.0MHz |
| Scanning Frequency Interval | USA Version | 100KHz |
| | Europe Version | 50KHz |
| Usable Sensitivity, 75 ohms | S/N=30dB, USA Version | 2uV(17.2dBf) |
| | S/N=26dB, Europe Version | 3uV(20.8dBf) |
| S/N Ratio @1mV IHF-A FILTER | Mono USA Version | 70dB |
| | Mono Europe Version | 70dB |
| | Stereo USA Version | 65dB |
| | Stereo Europe Version | 63dB |

3. Location of Users Controls

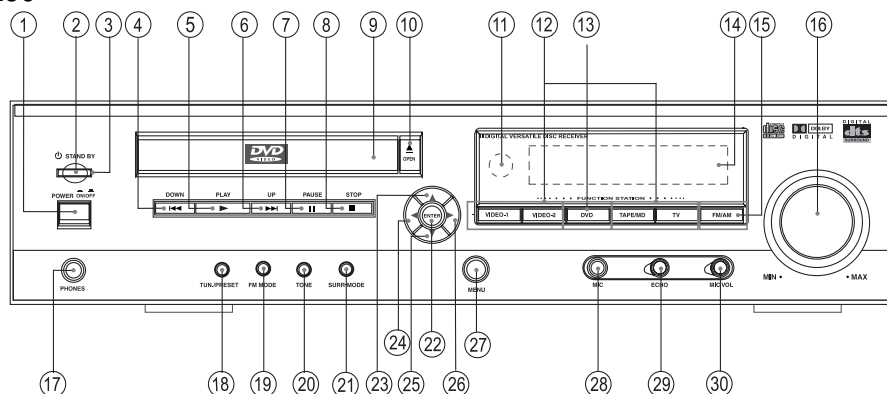
- Front Panel

1) DHC-X200



- | | |
|-------------------------------------------|---------------------------------------|
| 1. POWER ON/OFF switch | 16. PHONES jack |
| 2. STANDBY indicator | 17. PAUSE () button |
| 3. STANDBY/ON button | 18. PLAY () button |
| 4. SKIP/SEARCH DOWN () button | 19. STOP () button |
| 5. SKIP/SEARCH UP () button | 20. Input selector : |
| 6. DVD/VIDEO CD/MP3 CD/audio CD disc tray | VIDEO 1, VIDEO 2, TAPE/MD, TV buttons |
| 7. Remote control sensor | 21. Input selector : DVD buttons |
| 8. OPEN/CLOSE () button | 22. Input selector : TUNER buttons |
| 9. Display | 23. MOVE UP() button |
| 10. TUNE/PRESET button | 24. MOVE LEFT() button |
| 11. FM MODE button | 25. ENTER button |
| 12. MENU button | 26. MOVE DOWN() button |
| 13. TONE button | 27. MOVE RIGHT() button |
| 14. SURROUND MODE button | 28. ECHO LEVEL control(Optional) |
| 15. MASTER VOLUME control | 29. MIC VOL control(Optional) |
| | 30. MIC jack(Optional) |

2) DHC-X250

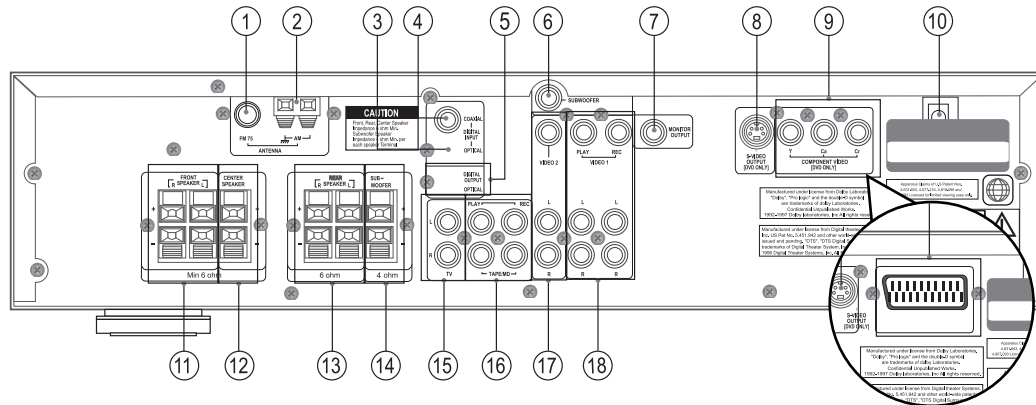


- | | |
|-------------------------------------------|----------------------------------|
| 1. POWER ON/OFF switch | 16. MASTER VOLUME control |
| 2. STANDBY indicator | 17. PHONES jack |
| 3. STANDBY/ON button | 18. TUNE/PRESET button |
| 4. SKIP/SEARCH DOWN () button | 19. FM MODE button |
| 5. PLAY () button | 20. TONE button |
| 6. SKIP/SEARCH UP () button | 21. SURROUND MODE button |
| 7. PAUSE () button | 22. ENTER button |
| 8. STOP () button | 23. MOVE UP() button |
| 9. DVD/VIDEO CD/MP3 CD/audio CD disc tray | 24. MOVE LEFT() button |
| 10. OPEN/CLOSE () button | 25. MOVE DOWN() button |
| 11. Remote control sensor | 26. MOVE RIGHT() button |
| 12. Input selector : | 27. MENU button |
| VIDEO 1, VIDEO 2, TAPE/MD, TV buttons | 28. MIC jack(Optional) |
| 13. Input selector : DVD buttons | 29. ECHO LEVEL control(Optional) |
| 14. Display | 30. MIC VOL control(Optional) |
| 15. Input selector : TUNER buttons | |

3. Location of Users Controls

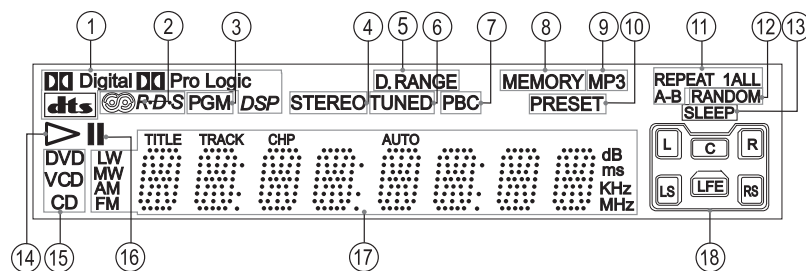
DHC-X200/X250

- Rear Panel



- | | |
|-----------------------------------------------------------------|-------------------------------------|
| 1. FM ANTENNA connector | 10. Power cord |
| 2. AM ANTENNA connectors | 11. FRONT SPEAKERS connectors |
| 3. DIGITAL INPUT OPTICAL jack | 12. CENTER SPEAKER connectors |
| 4. DIGITAL INPUT COAXIAL jack | 13. SURROUND SPEAKERS connectors |
| 5. DIGITAL OUTPUT OPTICAL jack | 14. SUBWOOFER connectors |
| 6. PRE OUT SUBWOOFER jack | 15. TV IN jacks |
| 7. MONITOR OUT jack | 16. TAPE/MD PLAY(IN)/REC(OUT) jacks |
| 8. S VIDEO MONITOR OUT jack | 17. VIDEO 2 IN jacks |
| 9. COMPONENT VIDEO OUTPUT Y/Cb/Cr jacks or SCART jack(Optional) | 18. VIDEO 1 PLAY(IN)/REC(OUT) jacks |

- Display

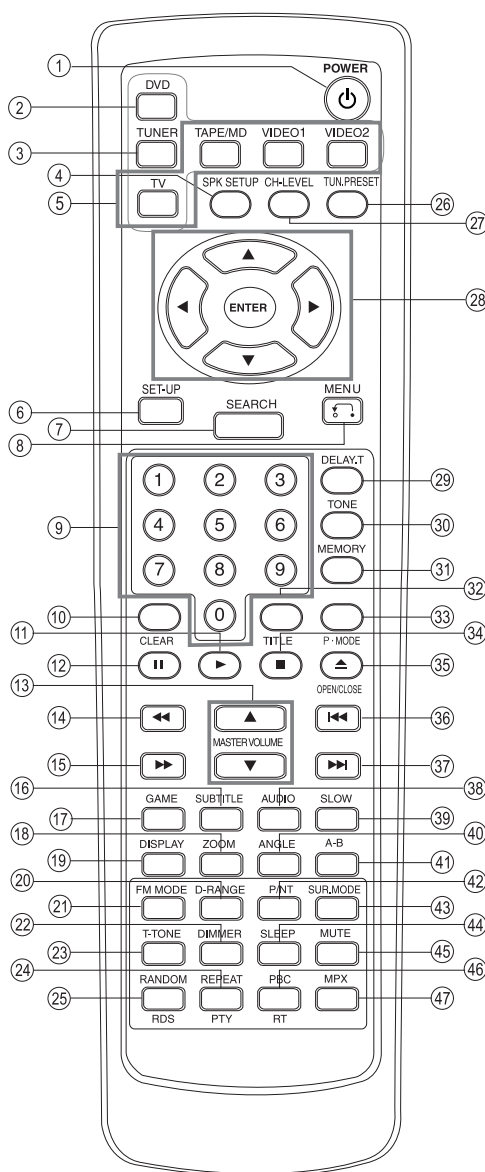


- | | |
|------------------------------------|-------------------------------------|
| 1. SURROUND MODE indicator | 10. PRESET indicator |
| 2. RDS indicator | 11. REPEAT indicator |
| 3. PROGRAM indicator | 12. RANDOM indicator |
| 4. STEREO indicator | 13. SLEEP indicator |
| 5. DYNAMIC RANGE indicator | 14. PLAY indicator |
| 6. TUNED indicator | 15. DVD/VCD/CD indicator |
| 7. PBC(Playback Control) indicator | 16. PAUSE indicator |
| 8. MEMORY indicator | 17. MULTI FUNCTION indicator |
| 9. MP3 indicator | 18. SPEAKER CONFIGURATION indicator |

3. Location of Users Controls

- Remote Controller

DHC-X200/X250



1. STANDBY/ON button
2. DVD FUNCTION button
3. TUNER FUNCTION button
4. SPEAKER SETUP button
5. INPUT SELECTOR: TV/TAPE/VIDEO 1 /VIDEO 2 button
6. SET UP button
7. SEARCH button
8. MENU/PBC RETURN button
9. Number buttons
10. CLEAR button
11. PLAY (►) button
12. PAUSE (■■) button
13. VOLUME ▲/▼ buttons
14. FAST REWIND(FR) (►►) button
15. FAST FORWARD(FF) (◄◄) button

16. SUBTITLE button
17. GAME button
18. ZOOM button
19. DISPLAY button
20. D-RANGE(Dynamic Range) button
21. FM MODE button
22. DIMMER button
23. TEST TONE button
24. REPEAT/PTY button
25. RANDOM/RDS button
26. TUNER PRESET buttons
27. CH LEVEL button
28. MOVE ▲/▼/◄/► /ENTER buttons
29. DELAY TIME button
30. TONE button
31. MEMORY button

32. TITLE button
33. PLAY MODE button
34. STOP (■) button
35. OPEN/CLOSE button
36. SKIP/SEARCH DOWN (◄◄) button
37. SKIP/SEARCH UP (►►) button
38. AUDIO button
39. SLOW button
40. ANGLE button
41. A-B REPEAT button
42. PAL/NTSC button
43. SURROUND MODE button
44. SLEEP button
45. MUTING button
46. PBC/RT button
47. MPX button

4. Connecting to Equipment

- Connecting to TV

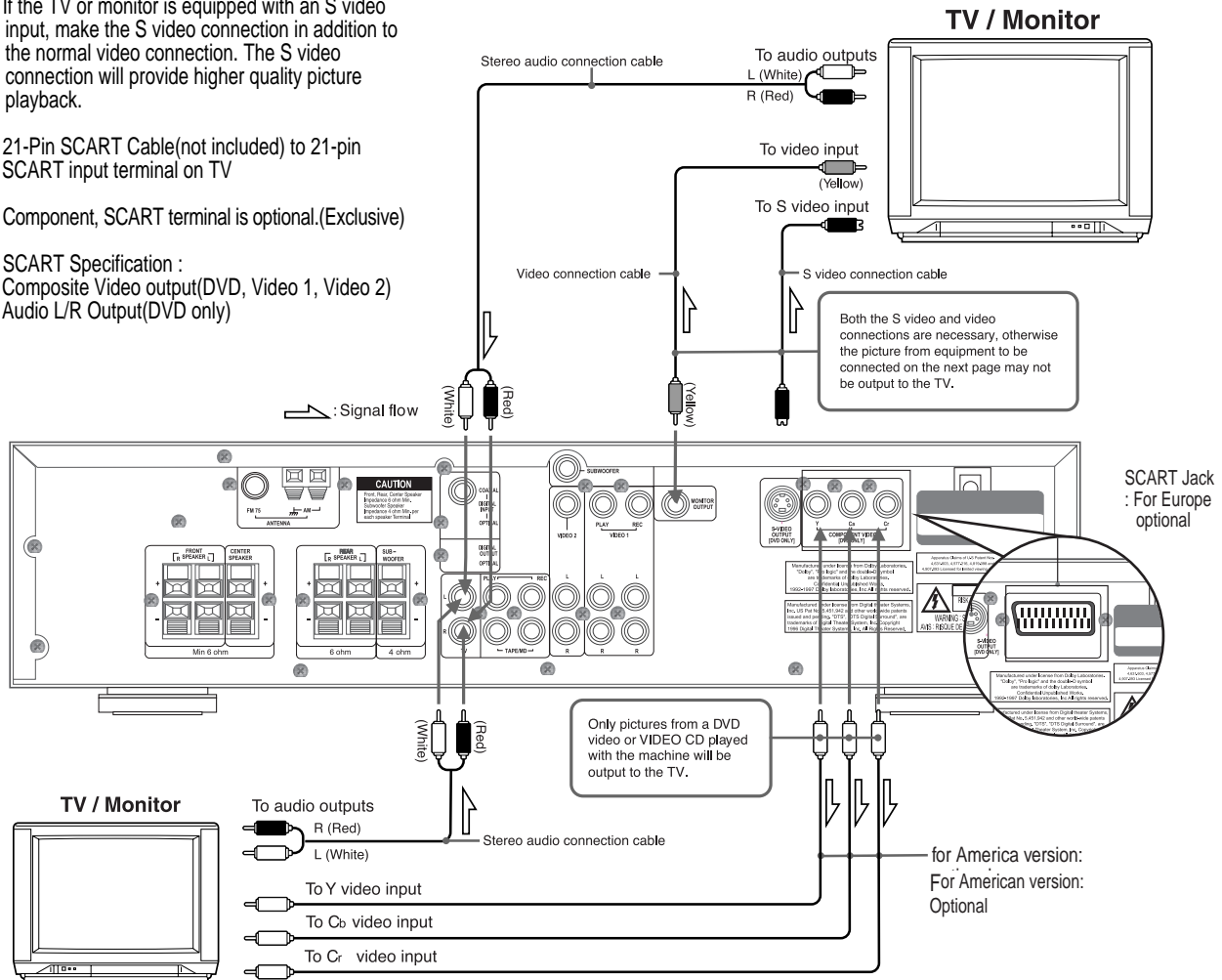
DHC-X200/X250

- If the TV or monitor is equipped with an S video input, make the S video connection in addition to the normal video connection. The S video connection will provide higher quality picture playback.

- 21-Pin SCART Cable(not included) to 21-pin SCART input terminal on TV

- Component, SCART terminal is optional.(Exclusive)

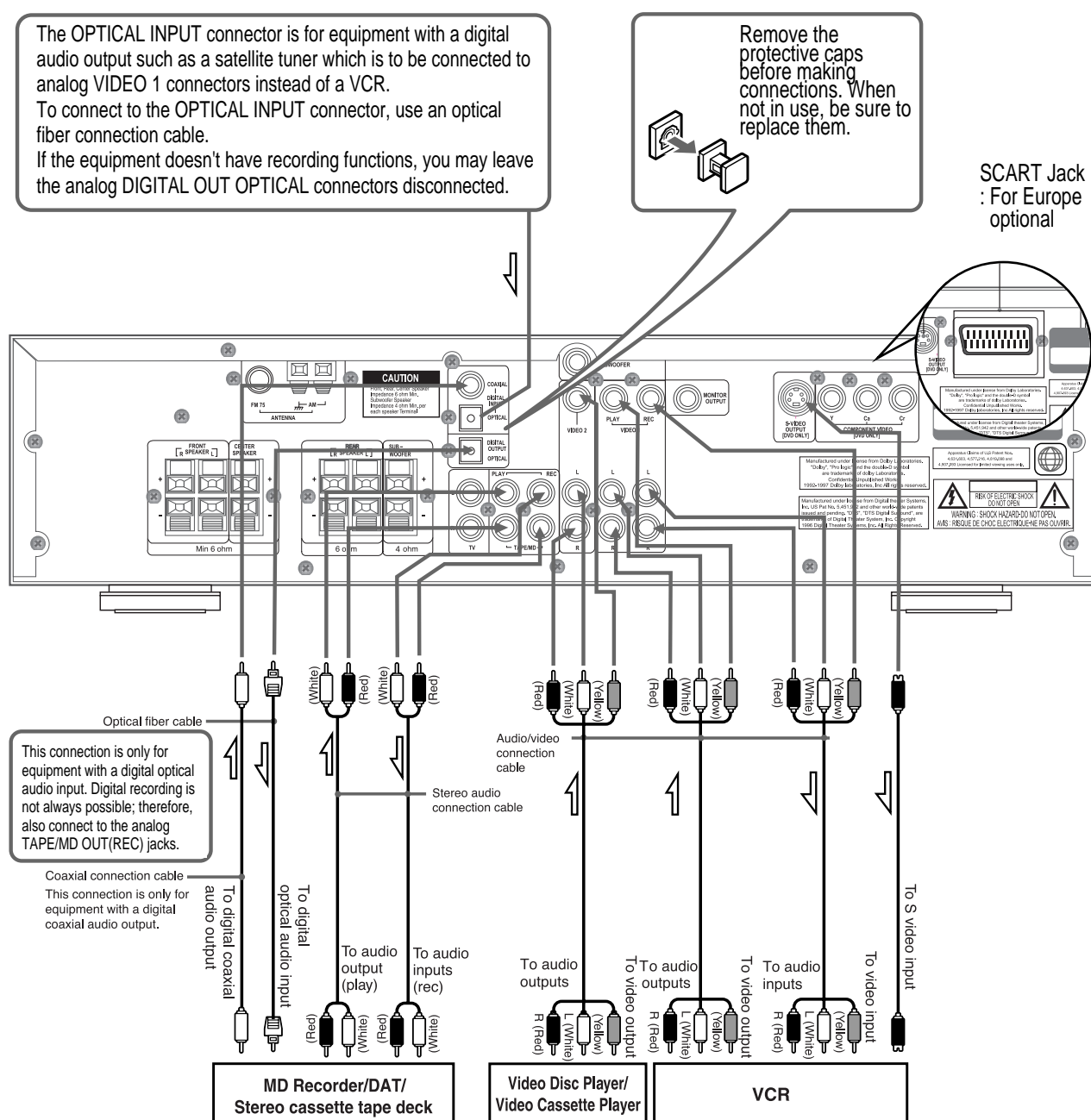
- SCART Specification :
Composite Video output(DVD, Video 1, Video 2)
Audio L/R Output(DVD only)



4. Connecting to Equipment

-. Connecting to AUDIO & VIDEO

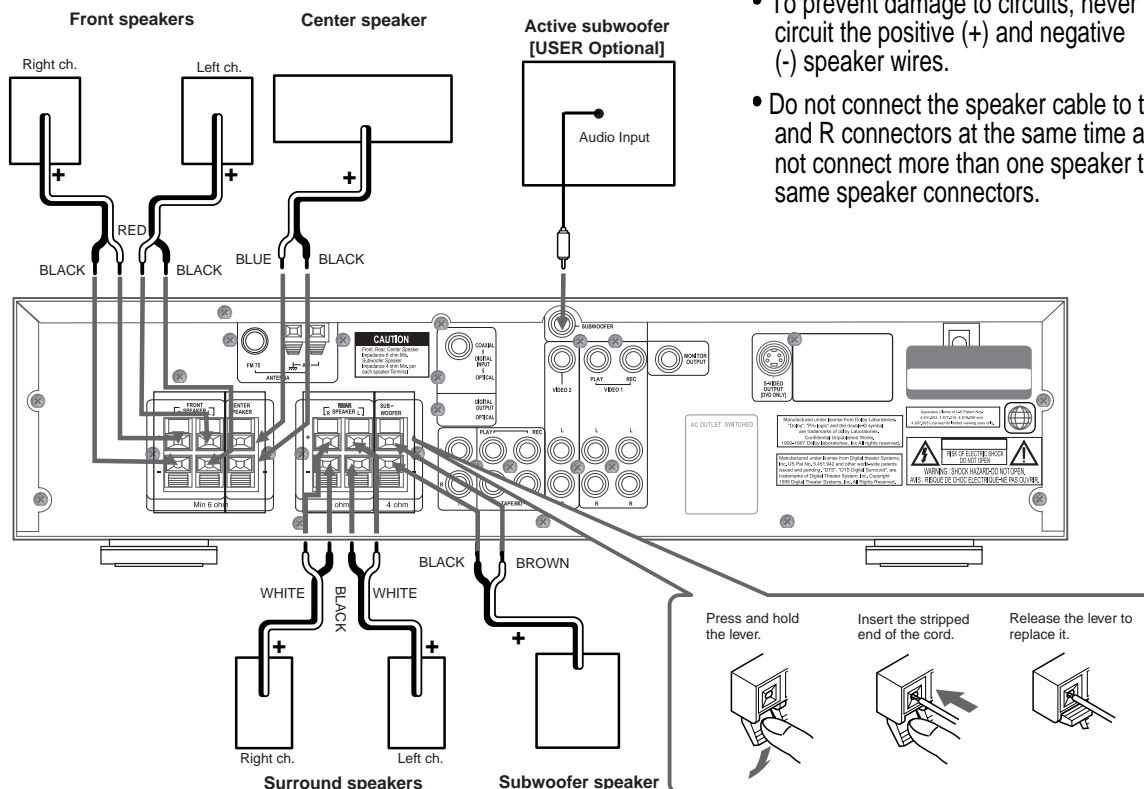
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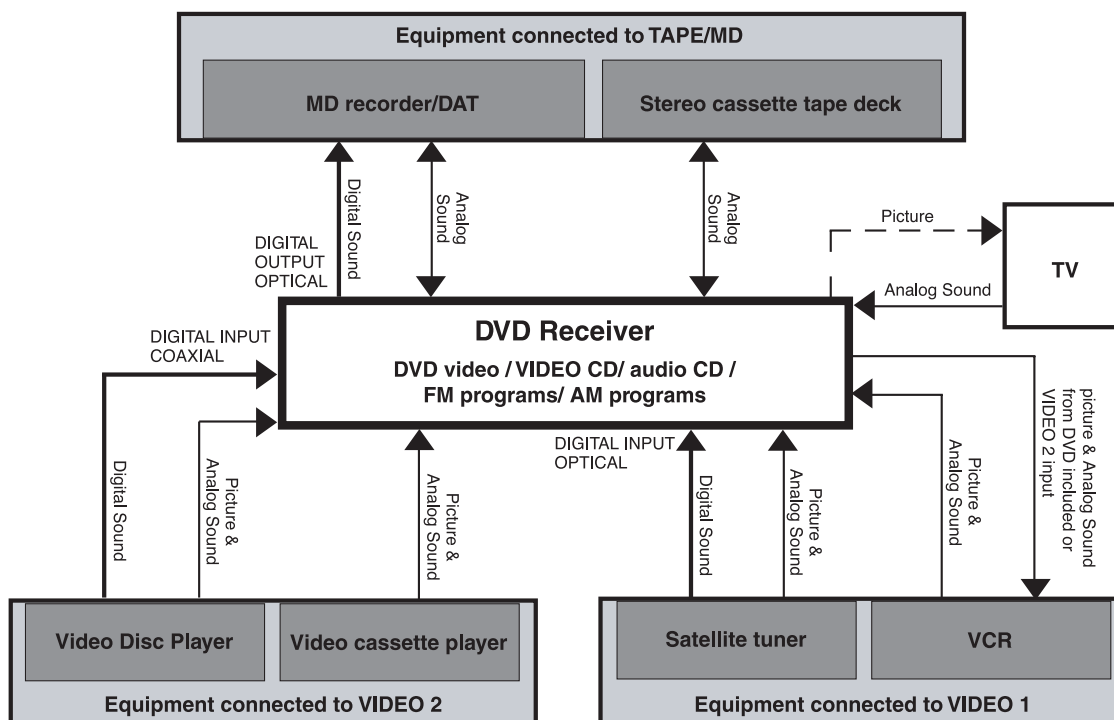
4. Connecting to Equipment

- Connecting to Speaker

DHC-X200/X250



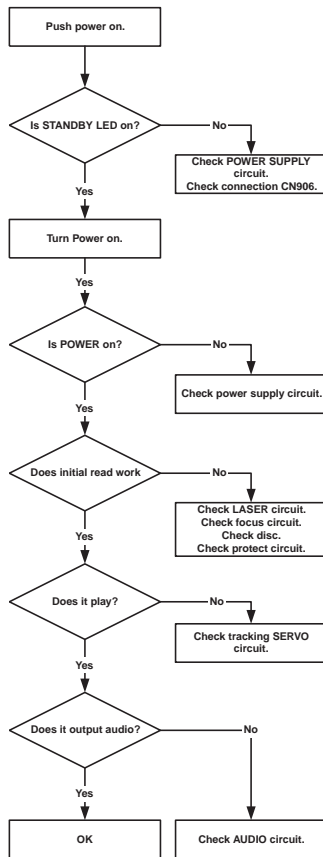
- Connecting to Recording Equipment



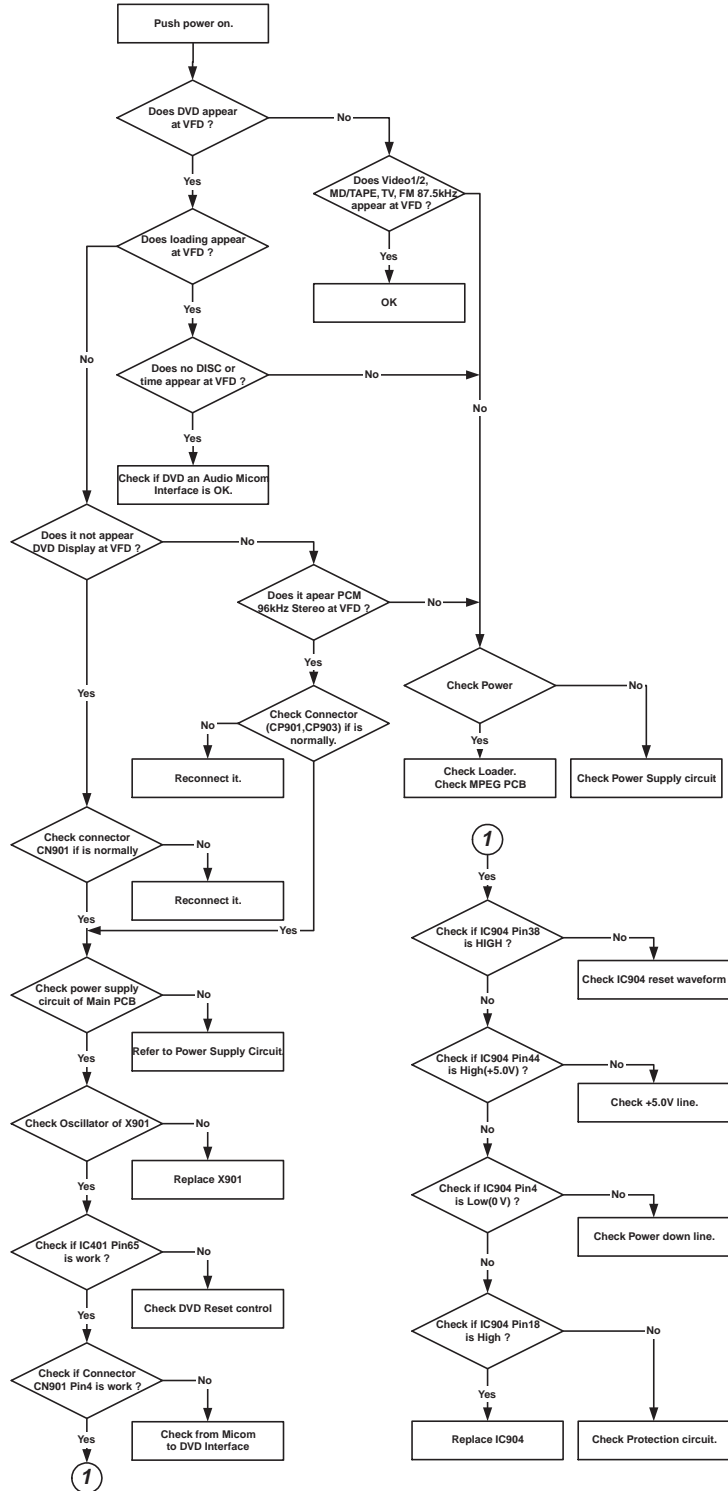
5. Trouble Shooting Guide

- Audio Part DHC-X200/X250

1. Basic Operating

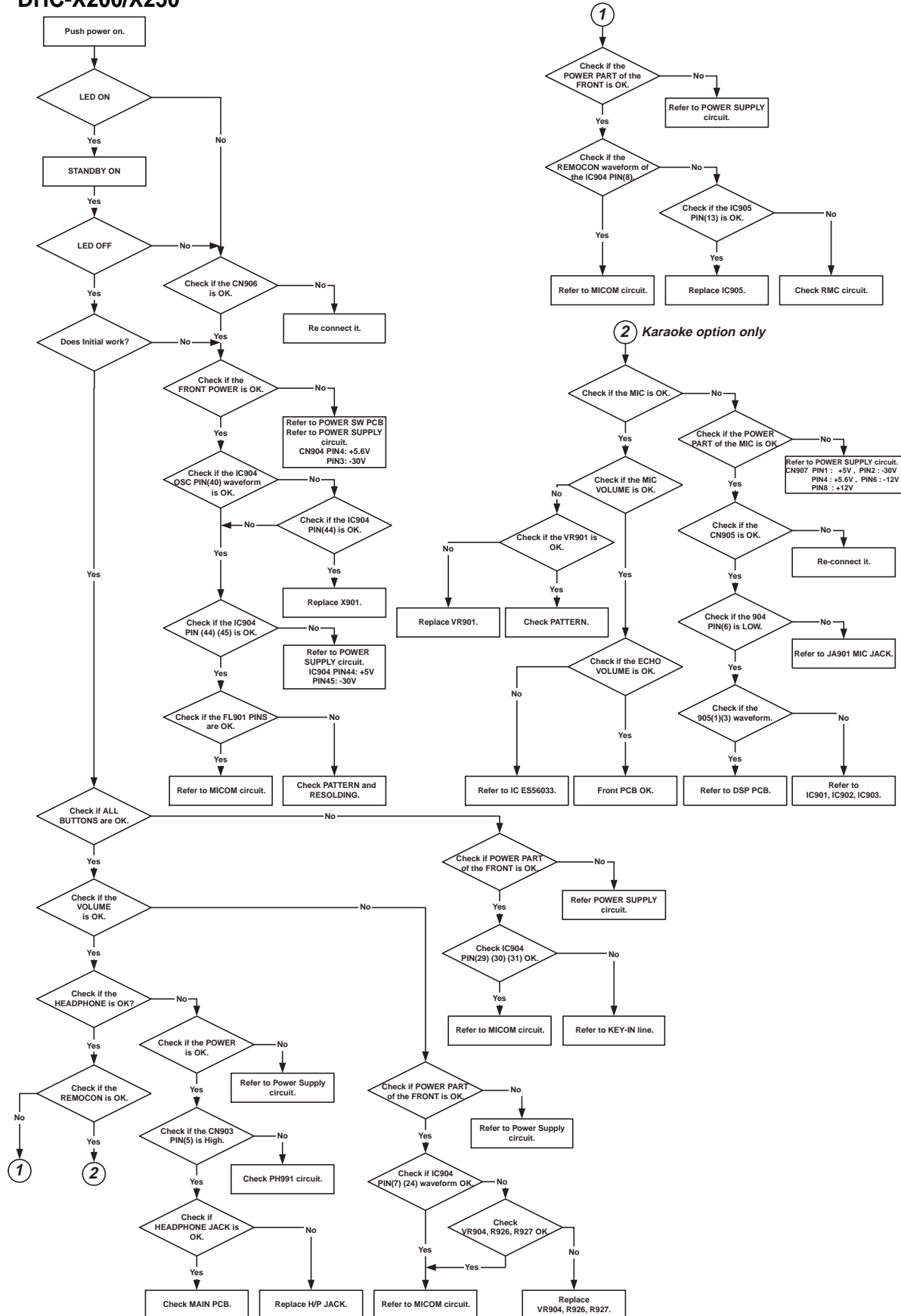


2. Front Micom Circuit



5. Trouble Shooting Guide

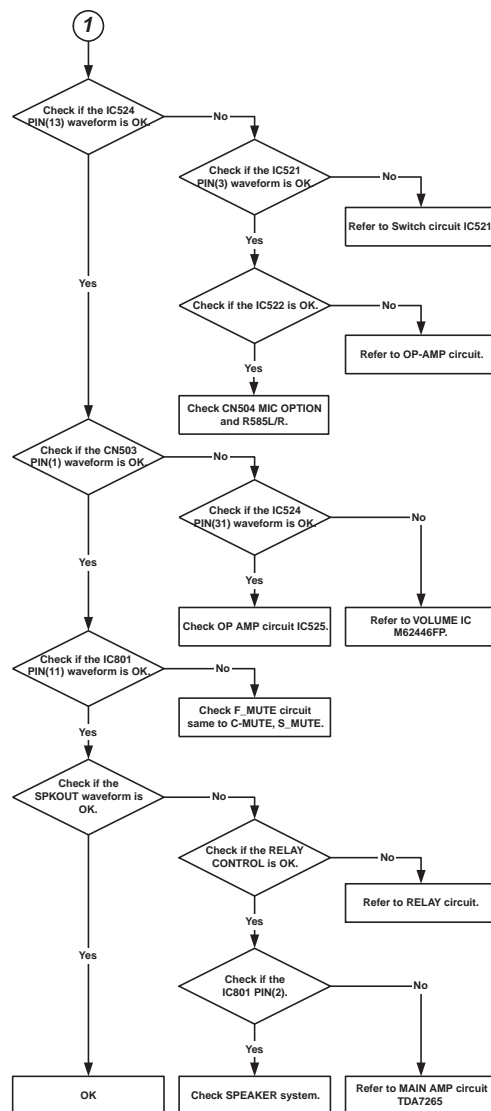
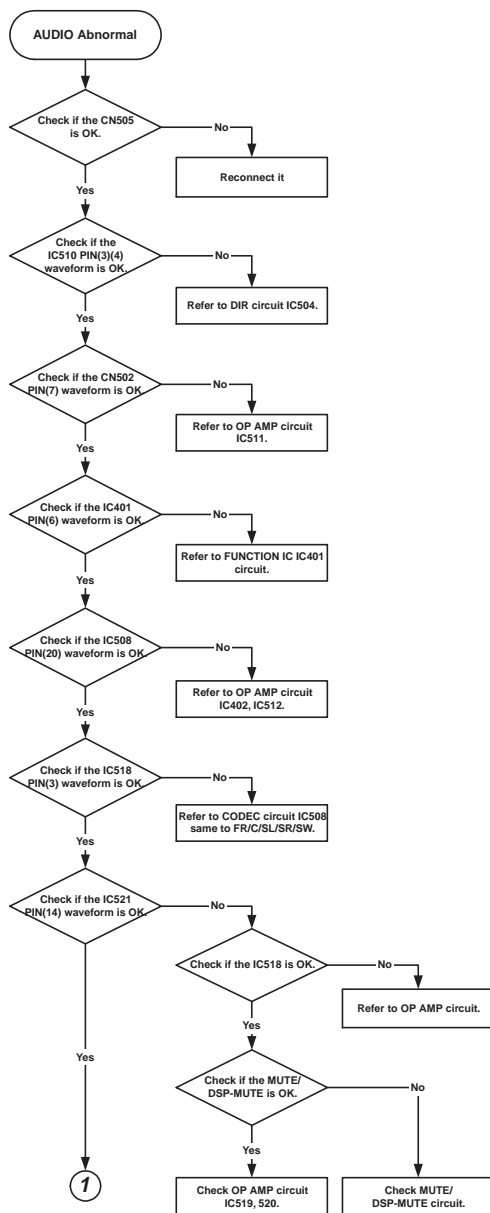
- Front Circuit DHC-X200/X250



5. Trouble Shooting Guide

- Audio Part DHC-X200/X250

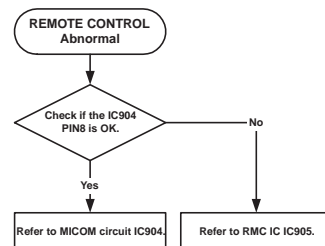
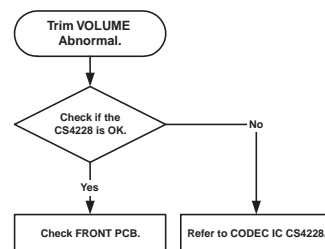
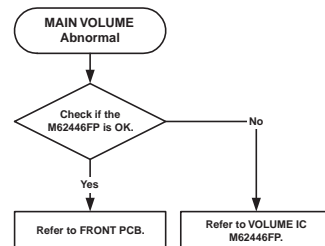
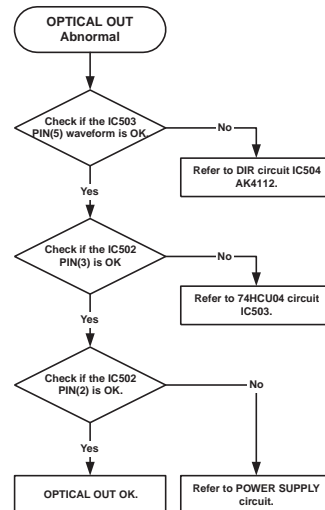
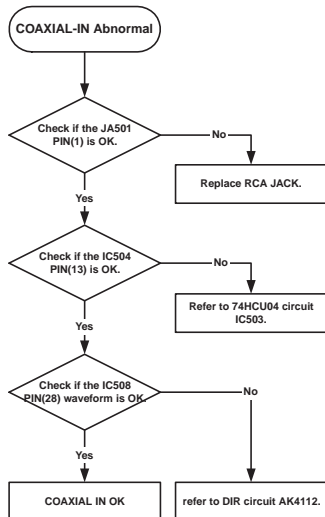
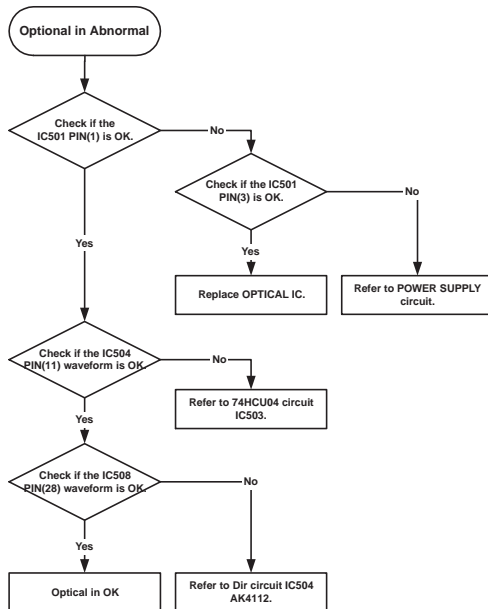
1. DVD Abnormal



5. Trouble Shooting Guide

- . Audio Part

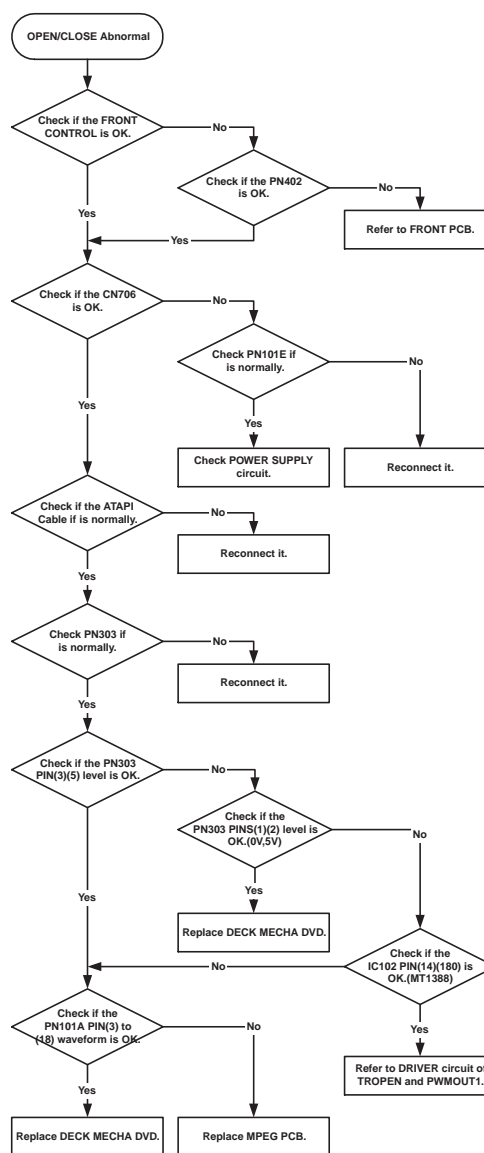
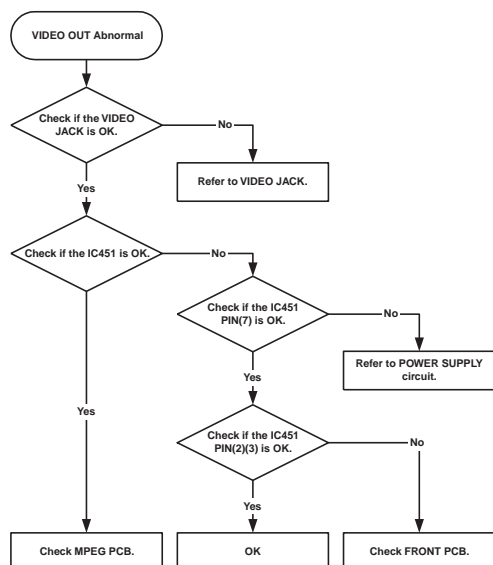
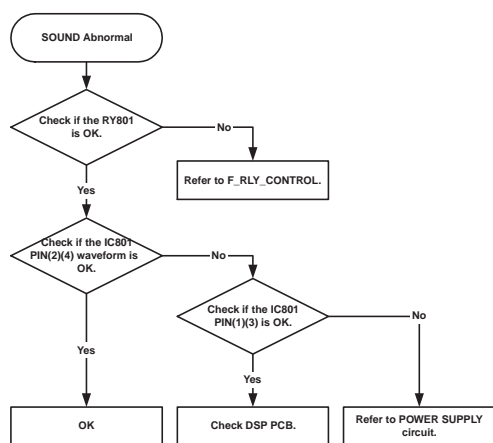
DHC-X200/X250



5. Trouble Shooting Guide

- Audio Part

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5. Trouble Shooting Guide

-. Audio Part

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6. DVD Program Download Method

DHC-X200/X250

INSERT THE UPDATE DISC INTO THE DISC TRAY, THEN THE DVD RECEIVER READS THE DISC AND UPDATE THE FIRMWARE ITSELF AS FOLLOWINGS.

@ INSERT THE UPDATE DISC.

| NO | STATUS | VFD | MONITOR | SET CONDITION |
|----|-----------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------|-----------------|
| 1 | SET THE KEY LOCK (TUN.PRESET+OPEN) | APPEAR LOCK MARK() | LOADING | DOOR CLOSE |
| 2 | DETECT THE UPDATE DISC | LOAD | LOADING | DOOR CLOSE |
| 3 | READ THE DISC | LOAD | DOWNLOAD FROM CDROM | DOOR CLOSE |
| 4 | COMPLETED THE READ | LOAD or NO DISPLAY | DOWNLOAD FROM CDROM | DOOR OPEN : 1) |
| 5 | COMPLETED THE UPDATE | LOAD | LOADING | DOOR CLOSE |
| 6 | SET THE KEY UNLOCK (TUN.PRESET+OPEN) | DISAPPEAR LOCK MARK | LOADING | DOOR CLOSE : 2) |

NOTE :

- 1) AFTER DOOR OPEN, EJECT THE UPDATE DISC.
- 2) AFTER COMPLETED, POWER OUT AND IN AGAIN.

CAUTION :

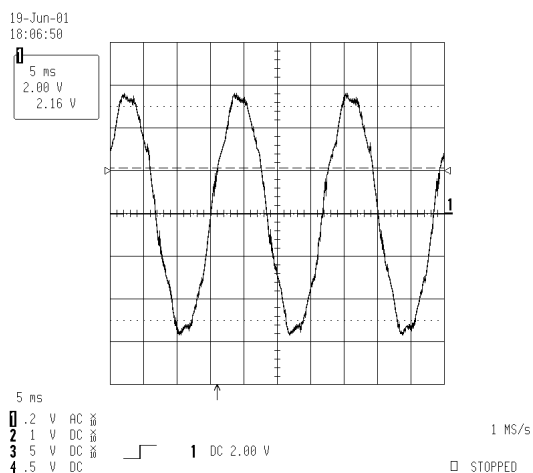
WHILE DOOR OPEN, IF CD DOOR IS CLOSED BY TOUCH, OR POWER BUTTON IS PRESSED THEN FLASH MEMORY WILL BE ERASED.

7. Waveforms of Major Check Method

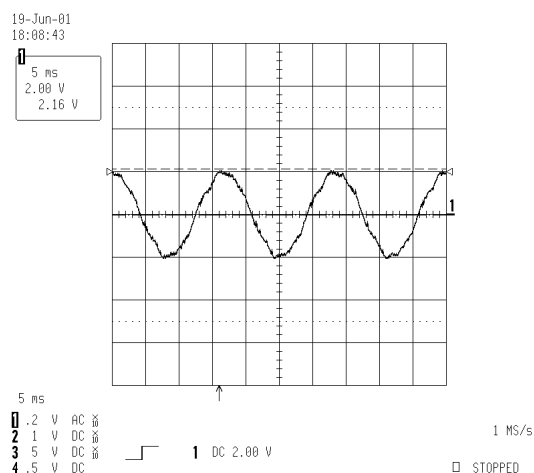
DHC-X200/X250

※ TEST POINT : DVD TEST DISC "MDVD-W111 TRACK2 COLOR BAR"

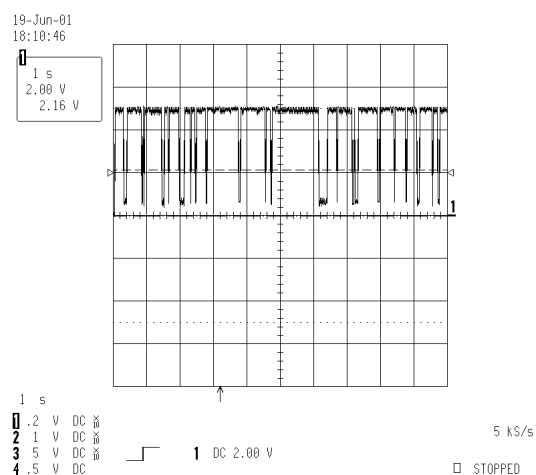
- Audio Out Signal Waveform



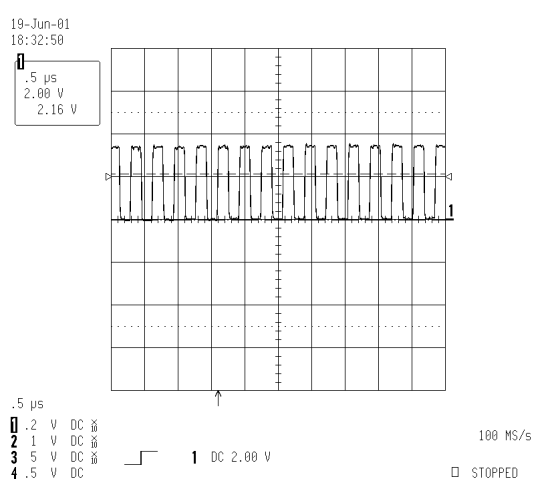
- DAC Output Signal Waveform



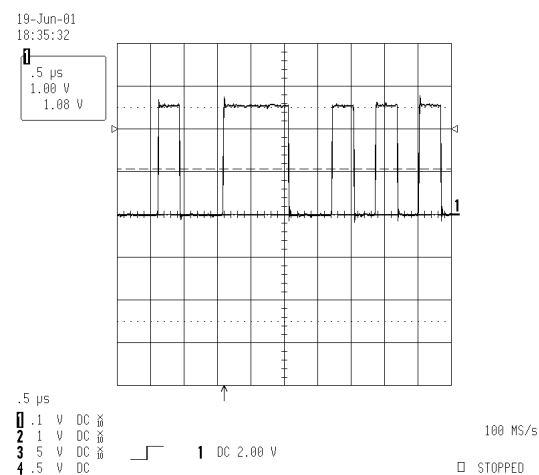
- Optical Output Audio Data Signal waveform



- L/R Clock Data Waveform During Normal Play



- Serial Data Output Waveform During Normal Play

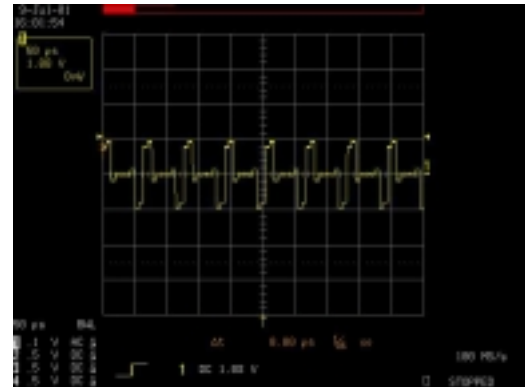
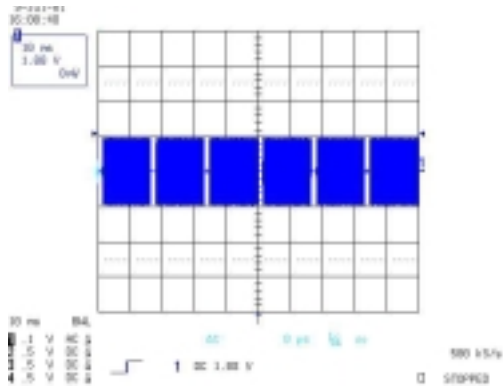


7. Waveforms of Major Check Method

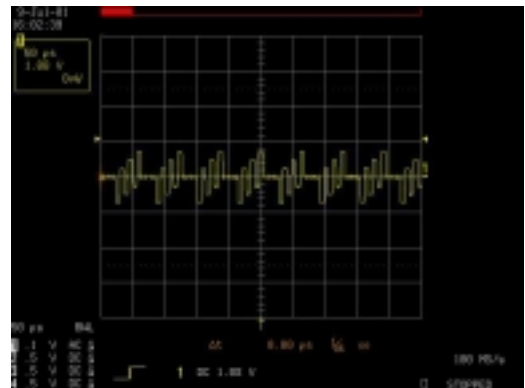
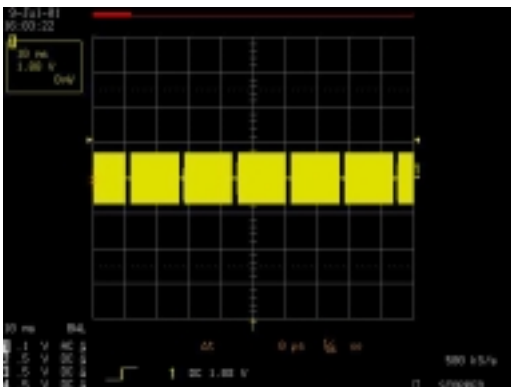
DHC-X200/X250

※ TEST POINT : DVD TEST DISC “MDVD-W111 TRACK2 COLOR BAR”

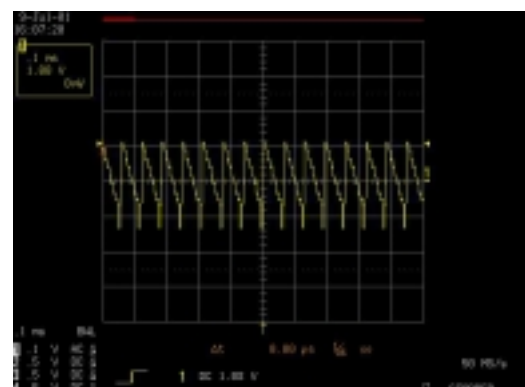
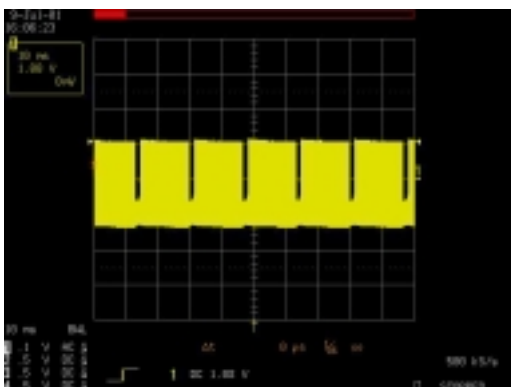
- Cr Output Data Waveform in Component Output



- Cb Output Data Waveform in Component Output



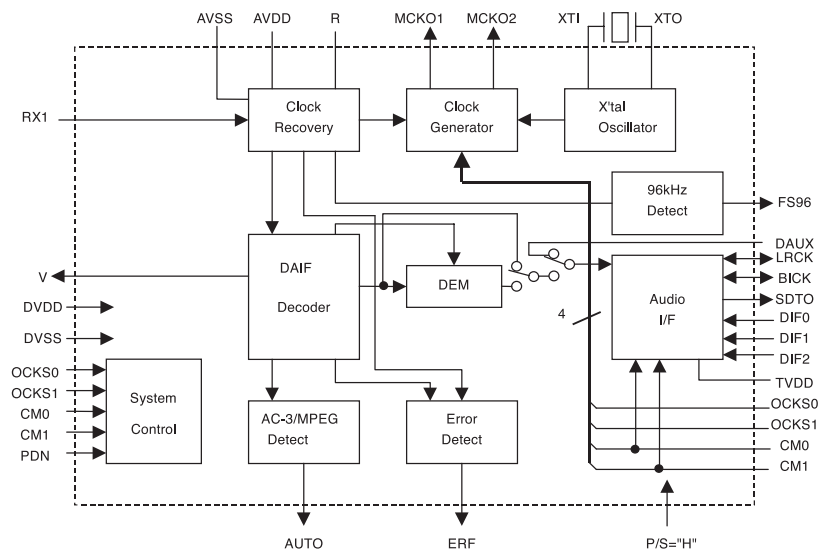
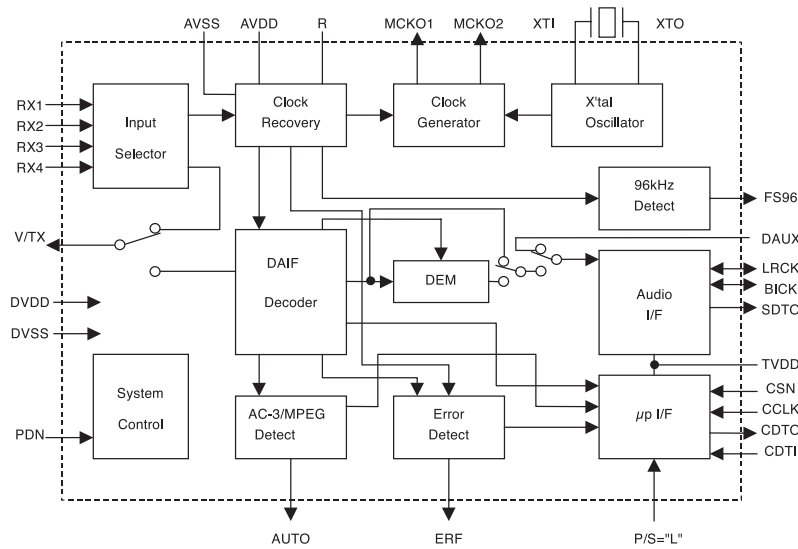
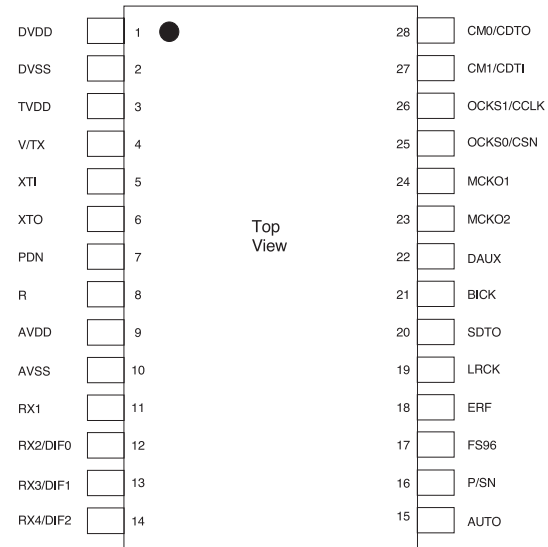
- Y Output Data Waveform in Component Output



8. Internal Block Diagram of ICs

DHC-X200/X250

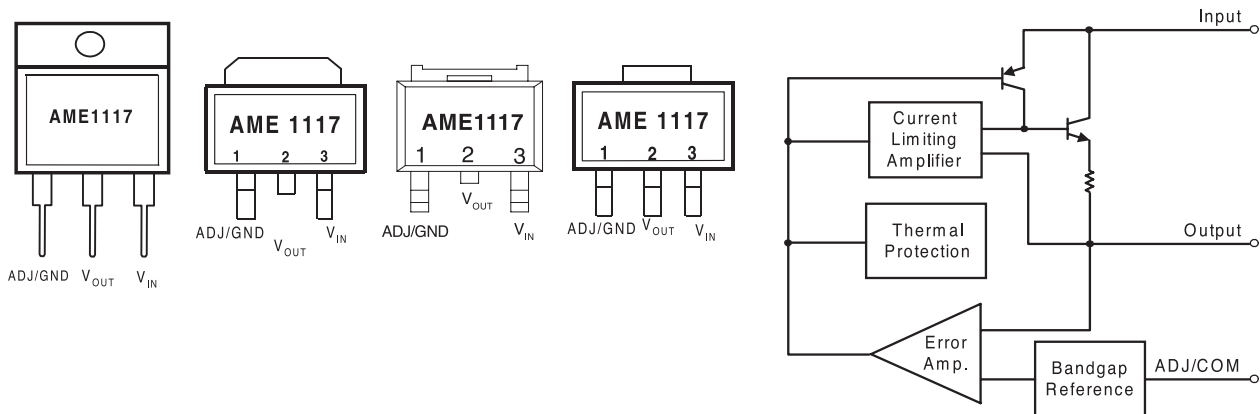
• AK-4112A



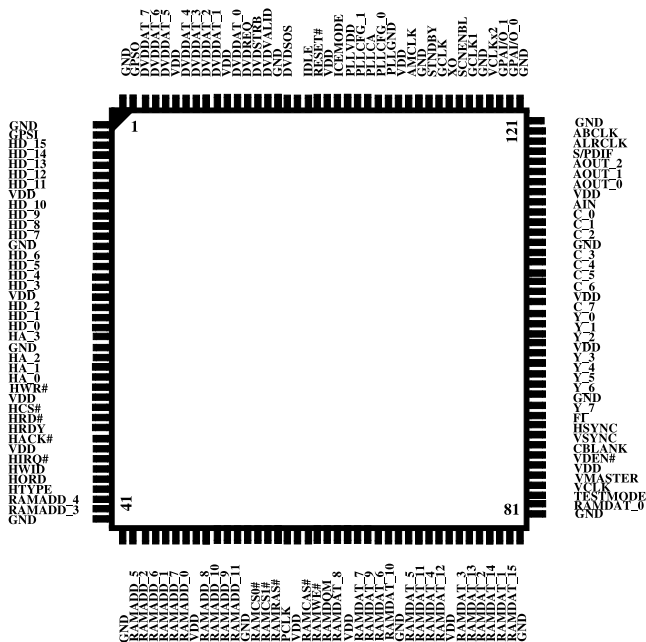
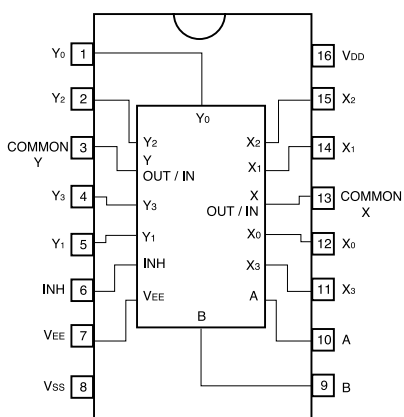
8. Internal Block Diagram of ICs

DHC-X200/X250

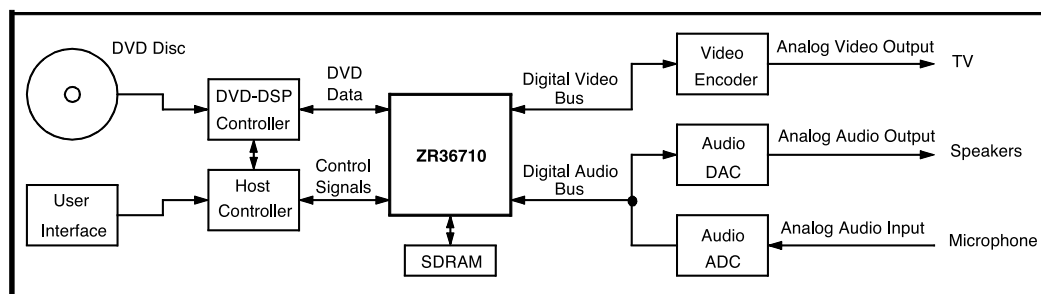
- AME1117



- BU4052BCF



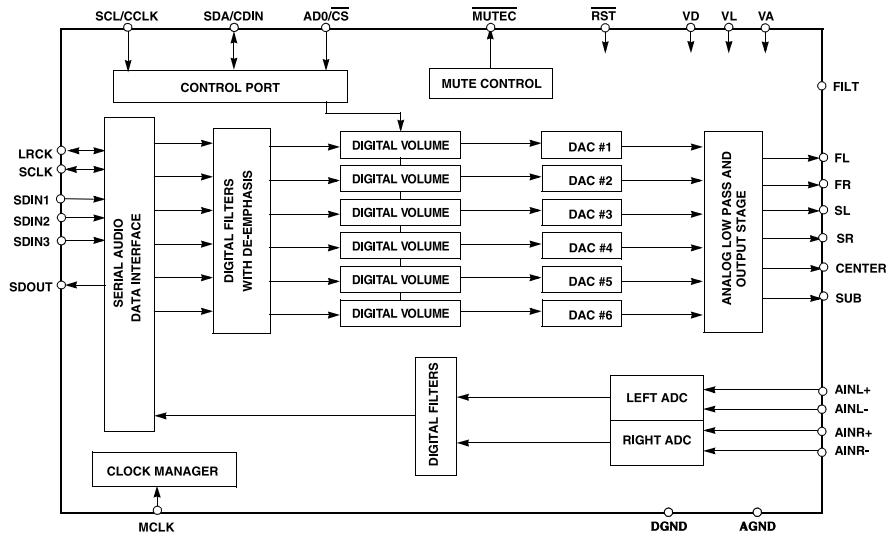
- ZR36710a



8. Internal Block Diagram of ICs

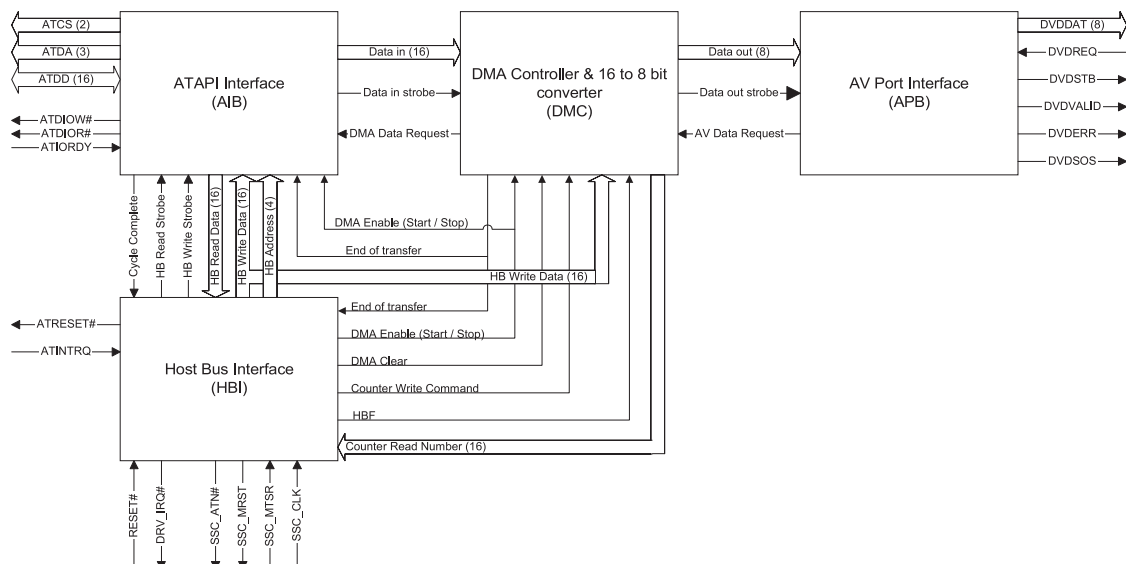
DHC-X200/X250

• CS4228A



| | | | | | |
|-------------------------|-----------------|----|----|---------------|-------------------------------|
| Serial Audio Data In 3 | SDIN3 | 1 | 28 | SUB | Analog Out #6, Subwoofer |
| Serial Audio Data In 2 | SDIN2 | 2 | 27 | CENTER | Analog Out #5, Center |
| Serial Audio Data In 1 | SDIN1 | 3 | 26 | SR | Analog Out #4, Surround Right |
| Serial Audio Data Out | SDOUT | 4 | 25 | SL | Analog Out #3, Surround Left |
| Serial Clock | SCLK | 5 | 24 | FR | Analog Out #2, Front Right |
| Left/Right Clock | LRCK | 6 | 23 | FL | Analog Out #1, Front Left |
| Digital Ground | DGND | 7 | 22 | AGND | Analog Ground |
| Digital Power | VD | 8 | 21 | VA | Analog Power |
| Digital Interface Power | VL | 9 | 20 | AINL+ | Left Channel Analog Input+ |
| Master Clock | MCLK | 10 | 19 | AINL- | Left Channel Analog Input- |
| SCL/CCLK | SCL/CCLK | 11 | 18 | FILT | Internal Voltage Filter |
| SDA/CDIN | SDA/CDIN | 12 | 17 | AINR- | Right Channel Analog Input- |
| AD0/CS | AD0/CS | 13 | 16 | AINR+ | Right Channel Analog Input+ |
| Reset | RST | 14 | 15 | MUTE | Mute Control |

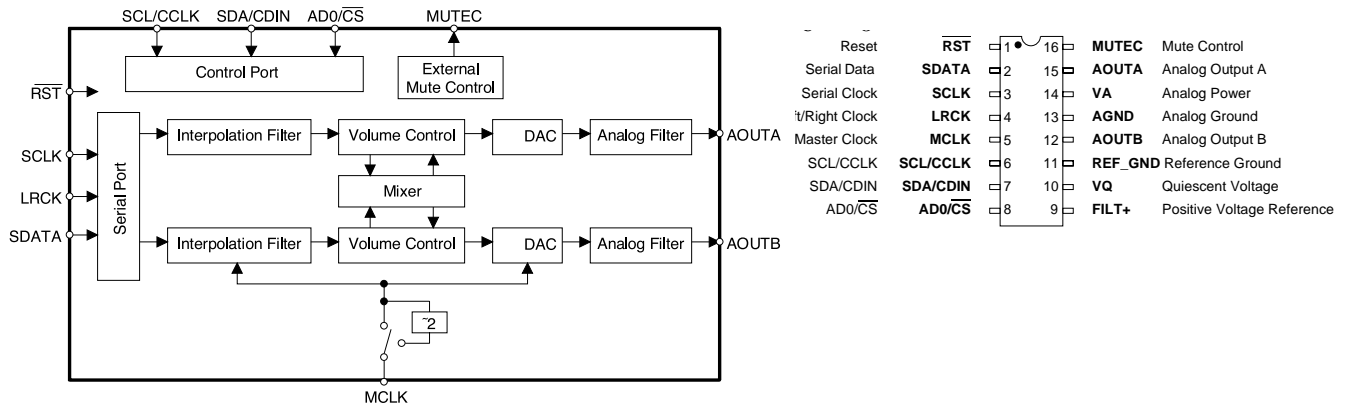
• ZR36701



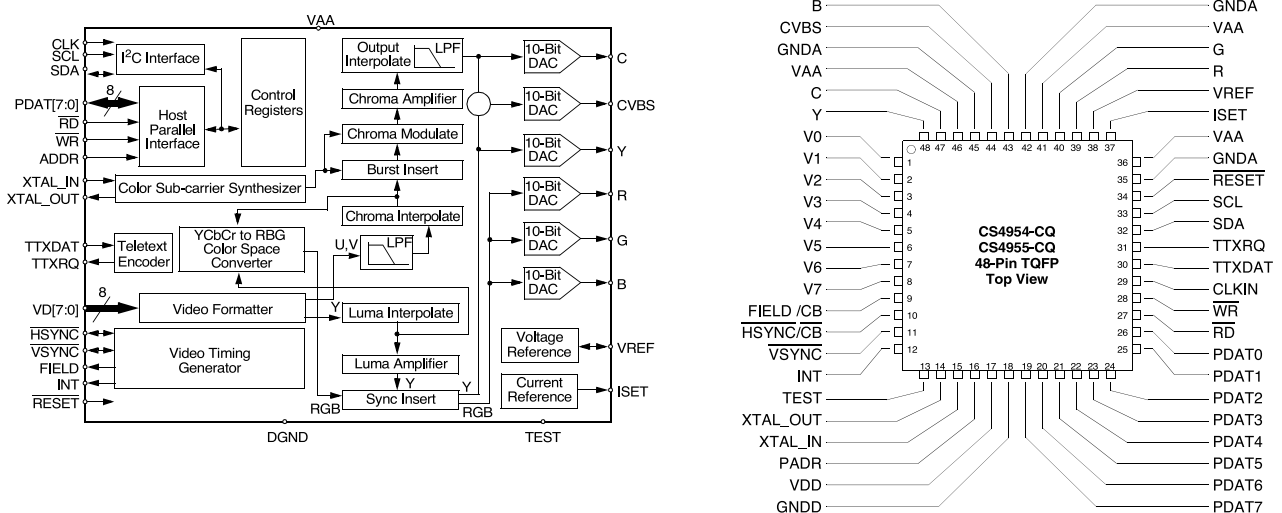
8. Internal Block Diagram of ICs

DHC-X200/X250

• CS434



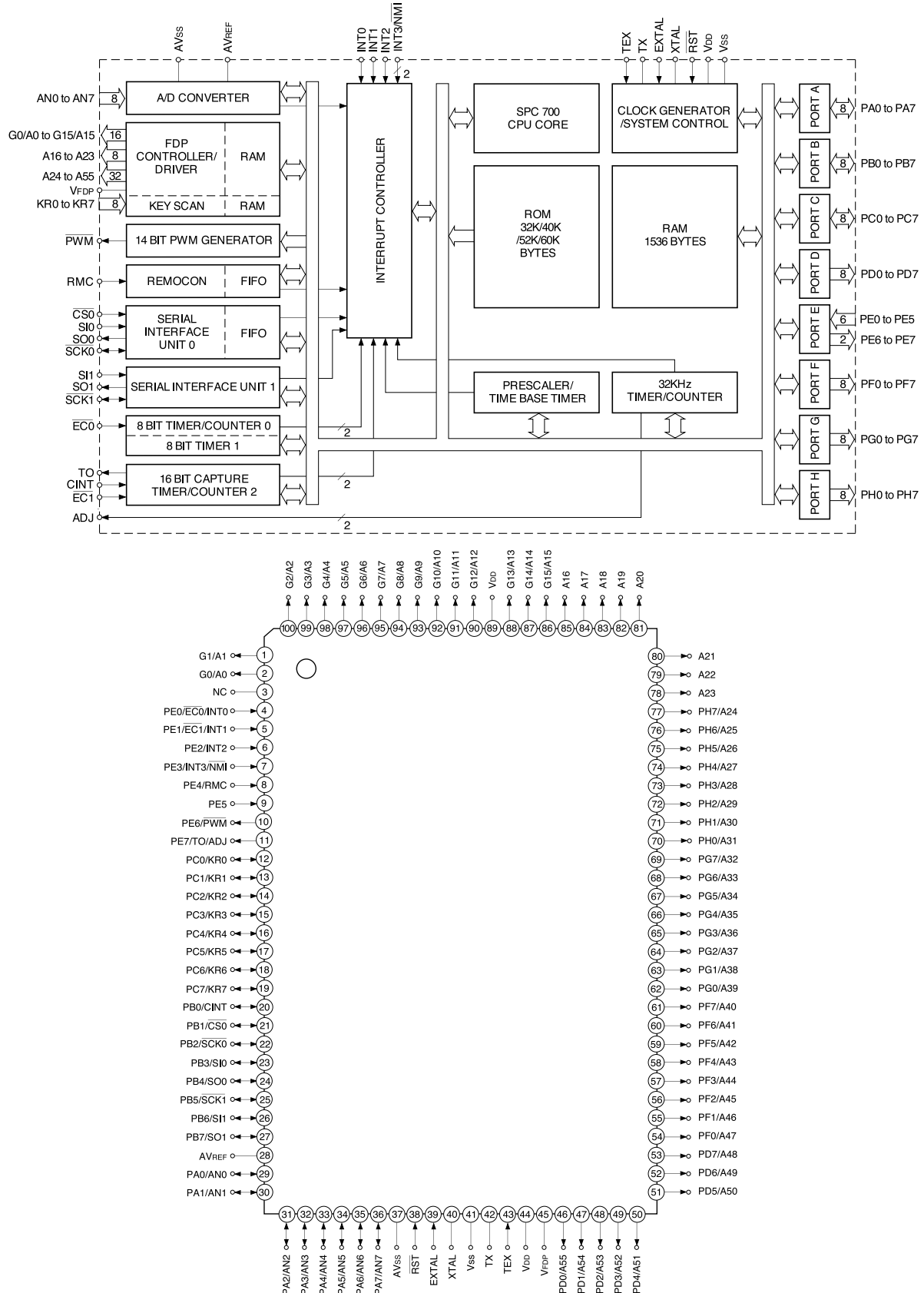
• CS4955



8. Internal Block Diagram of ICs

DHC-X200/X250

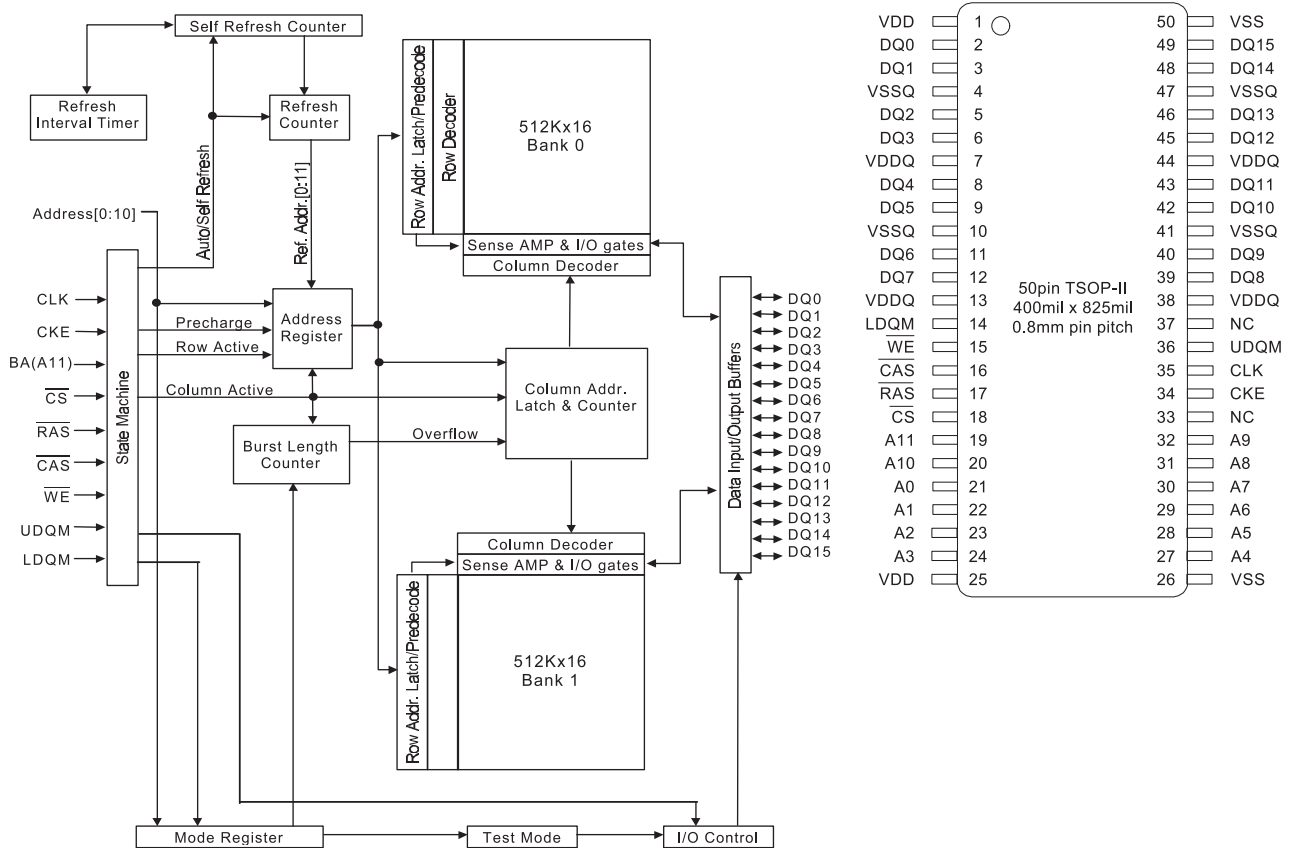
• CXP82852



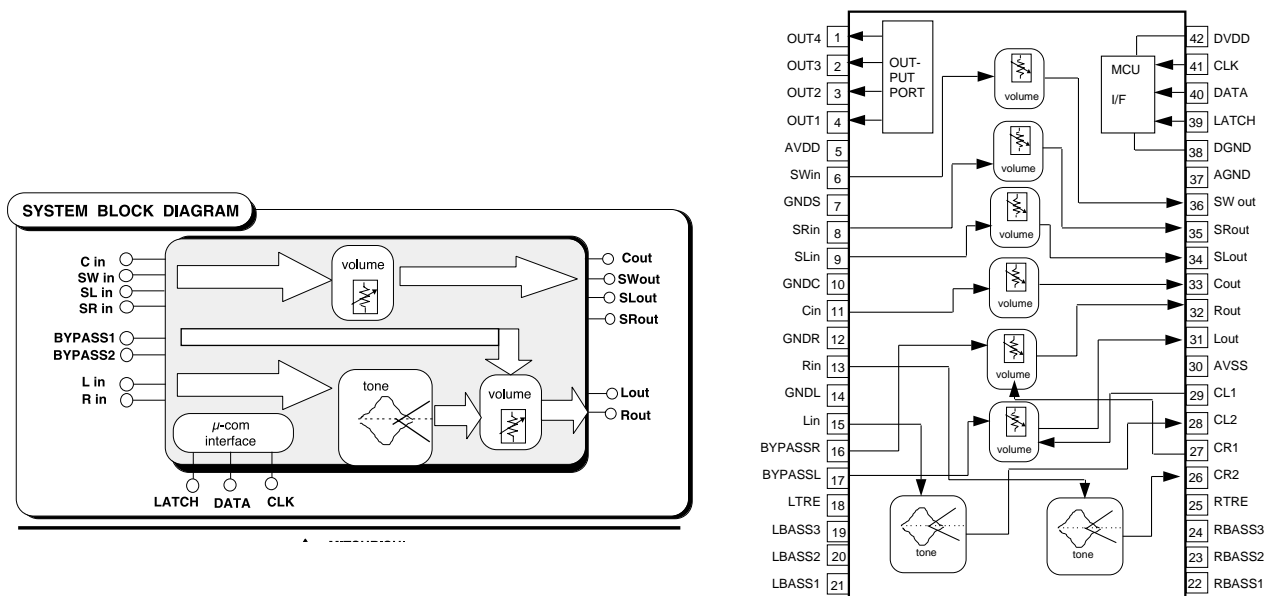
8. Internal Block Diagram of ICs

DHC-X200/X250

- HY57V161610DTC-8



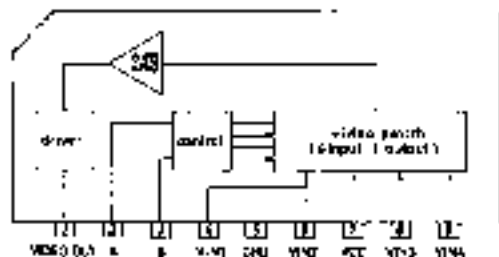
- M62446FP



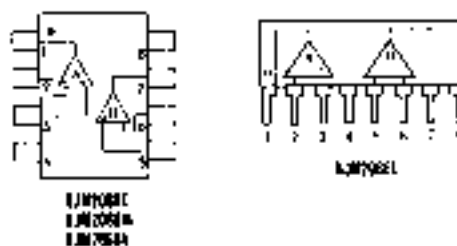
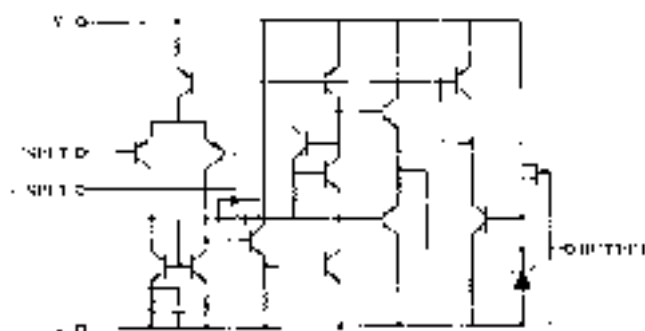
8. Internal Block Diagram of ICs

DHC-X200/X250

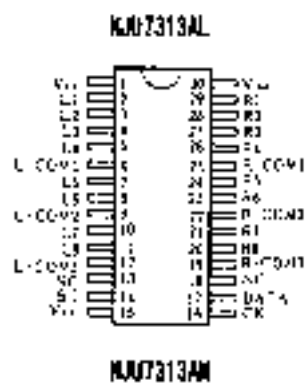
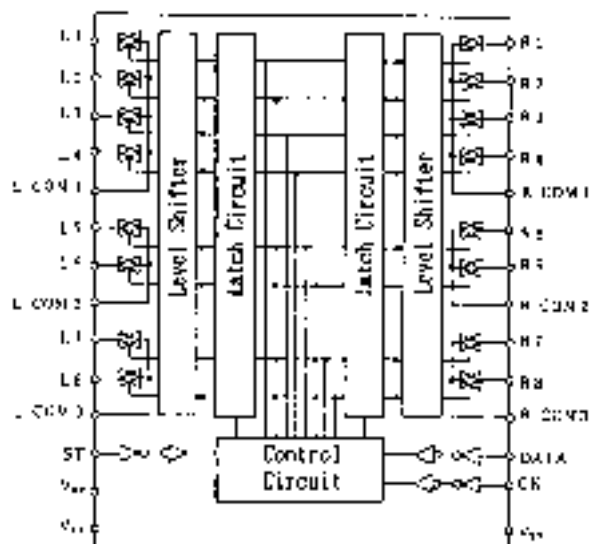
- LA7952



- NJM2068



- NJU7313A



9. IC Voltage Chart

DHC-X200/X250

1. IC402 ZR36710

| PIN | PLAY | STOP | PIN | PLAY | STOP | PIN | PLAY | STOP | PIN | PLAY | STOP |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 1 | 0.0 | 0.0 | 41 | 0.0 | 0.0 | 81 | 0.0 | 0.0 | 121 | 0.0 | 0.0 |
| 2 | 0.0 | 0.0 | 42 | 0.7 | 0.0 | 82 | 1.0 | 0.6 | 122 | 0.0 | 0.0 |
| 3 | 2.8 | 2.8 | 43 | 0.4 | 0.0 | 83 | 3.3 | 3.3 | 123 | 0.0 | 0.0 |
| 4 | 2.8 | 2.8 | 44 | 0.5 | 0.0 | 84 | 1.7 | 1.7 | 124 | 1.7 | 1.7 |
| 5 | 2.8 | 2.8 | 45 | 0.4 | 0.0 | 85 | 3.3 | 3.3 | 125 | 0.0 | 0.0 |
| 6 | 2.8 | 2.8 | 46 | 0.5 | 0.0 | 86 | 3.3 | 3.3 | 126 | 1.5 | 1.5 |
| 7 | 3.3 | 3.3 | 47 | 0.4 | 0.0 | 87 | 0.0 | 0.0 | 127 | 0.0 | 0.0 |
| 8 | 3.3 | 3.3 | 48 | 3.3 | 3.3 | 88 | 1.4 | 1.2 | 128 | 1.3 | 1.3 |
| 9 | 2.8 | 2.8 | 49 | 0.4 | 0.0 | 89 | 3.2 | 3.2 | 129 | 1.5 | 1.5 |
| 10 | 2.8 | 2.8 | 50 | 2.0 | 2.5 | 90 | 3.0 | 3.0 | 130 | 5.0 | 5.0 |
| 11 | 2.8 | 2.8 | 51 | 0.4 | 0.0 | 91 | 1.6 | 1.6 | 131 | 0.0 | 0.0 |
| 12 | 2.5 | 2.5 | 52 | 0.8 | 0.0 | 92 | 1.5 | 2.0 | 132 | 1.7 | 1.7 |
| 13 | 0.0 | 0.0 | 53 | 0.0 | 0.0 | 93 | 0.0 | 0.0 | 133 | 3.3 | 3.3 |
| 14 | 2.1 | 2.1 | 54 | 3.0 | 3.3 | 94 | 1.5 | 1.5 | 134 | 0.0 | 0.0 |
| 15 | 2.6 | 2.6 | 55 | 3.1 | 3.3 | 95 | 1.0 | 1.0 | 135 | 0.0 | 0.0 |
| 16 | 2.6 | 2.6 | 56 | 3.1 | 3.3 | 96 | 1.7 | 1.7 | 136 | 1.9 | 1.9 |
| 17 | 2.6 | 2.6 | 57 | 1.5 | 0.0 | 97 | 1.0 | 1.0 | 137 | 0.0 | 0.0 |
| 18 | 3.3 | 3.3 | 58 | 3.3 | 3.3 | 98 | 3.3 | 3.3 | 138 | 3.3 | 3.3 |
| 19 | 2.3 | 2.3 | 59 | 3.2 | 3.2 | 99 | 1.0 | 1.0 | 139 | 3.3 | 3.3 |
| 20 | 2.2 | 2.2 | 60 | 3.1 | 3.3 | 100 | 1.0 | 1.0 | 140 | 3.3 | 3.3 |
| 21 | 1.8 | 1.8 | 61 | 0.0 | 0.0 | 101 | 1.0 | 1.0 | 141 | 5.0 | 5.0 |
| 22 | 2.3 | 2.6 | 62 | 1.1 | 0.6 | 102 | 0.0 | 0.0 | 142 | 0.0 | 3.3 |
| 23 | 0.0 | 0.0 | 63 | 3.3 | 3.3 | 103 | 3.3 | 3.3 | 143 | 0.0 | 0.0 |
| 24 | 2.5 | 2.3 | 64 | 1.0 | 0.6 | 104 | 0.0 | 0.0 | 144 | 4.0 | 4.0 |
| 25 | 2.5 | 2.5 | 65 | 1.0 | 3.3 | 105 | 0.0 | 0.0 | 145 | 0.0 | 0.0 |
| 26 | 2.5 | 2.5 | 66 | 0.8 | 0.8 | 106 | 0.0 | 0.0 | 146 | 4.3 | 5.0 |
| 27 | 5.0 | 5.0 | 67 | 0.9 | 0.5 | 107 | 0.0 | 0.0 | 147 | 1.7 | 1.7 |
| 28 | 3.3 | 3.3 | 68 | 0.0 | 0.0 | 108 | 0.0 | 0.0 | 148 | 2.0 | 3.3 |
| 29 | 5.0 | 5.0 | 69 | 0.6 | 0.6 | 109 | 0.0 | 0.0 | 149 | 2.5 | 5.0 |
| 30 | 3.3 | 3.6 | 70 | 1.0 | 0.6 | 110 | 0.0 | 0.0 | 150 | 3.3 | 3.3 |
| 31 | 1.0 | 1.0 | 71 | 0.9 | 0.6 | 111 | 0.0 | 0.0 | 151 | 2.3 | 0.0 |
| 32 | 3.3 | 3.3 | 72 | 1.1 | 0.5 | 112 | 0.0 | 0.0 | 152 | 2.3 | 0.0 |
| 33 | 3.3 | 3.3 | 73 | 3.3 | 3.3 | 113 | 3.3 | 3.3 | 153 | 2.3 | 5.0 |
| 34 | 5.0 | 5.0 | 74 | 1.0 | 0.6 | 114 | 1.1 | 0.0 | 154 | 2.3 | 5.0 |
| 35 | 0.0 | 0.0 | 75 | 1.5 | 0.5 | 115 | 0.0 | 0.0 | 155 | 3.3 | 3.3 |
| 36 | 0.0 | 0.0 | 76 | 1.0 | 0.5 | 116 | 0.0 | 0.0 | 156 | 2.3 | 0.0 |
| 37 | 3.3 | 3.3 | 77 | 1.0 | 0.6 | 117 | 1.6 | 1.6 | 157 | 2.3 | 5.0 |
| 38 | 0.7 | 0.0 | 78 | 1.2 | 0.6 | 118 | 1.6 | 1.6 | 158 | 2.3 | 0.0 |
| 39 | 0.7 | 0.7 | 79 | 1.0 | 0.8 | 119 | 1.6 | 1.6 | 159 | 0.0 | 0.0 |
| 40 | 0.0 | 0.0 | 80 | 0.0 | 0.0 | 120 | 0.0 | 0.0 | 160 | 0.0 | 0.0 |

9. IC Voltage Chart

DHC-X200/X250

2. IC403 A43L0616AV-7

| PIN | PLAY | STOP | PIN | PLAY | STOP | PIN | PLAY | STOP | PIN | PLAY | STOP |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 1 | 3.3 | 3.3 | 14 | 0.0 | 0.0 | 27 | 0.7 | 0.0 | 40 | 1.0 | 3.3 |
| 2 | 1.0 | 0.6 | 15 | 3.3 | 3.3 | 28 | 0.7 | 0.0 | 41 | 0.0 | 0.0 |
| 3 | 1.2 | 0.6 | 16 | 3.3 | 3.3 | 29 | 0.5 | 0.0 | 42 | 0.9 | 0.5 |
| 4 | 0.0 | 0.0 | 17 | 0.0 | 0.0 | 30 | 0.5 | 0.0 | 43 | 1.0 | 0.6 |
| 5 | 1.0 | 0.5 | 18 | 0.8 | 0.0 | 31 | 0.4 | 0.0 | 44 | 3.3 | 3.3 |
| 6 | 1.0 | 0.6 | 19 | 0.8 | 0.0 | 32 | 0.4 | 0.0 | 45 | 1.1 | 0.5 |
| 7 | 3.3 | 3.3 | 20 | 2.0 | 2.5 | 33 | 0.0 | 0.0 | 46 | 1.5 | 0.5 |
| 8 | 0.9 | 0.6 | 21 | 0.4 | 0.0 | 34 | 3.3 | 3.3 | 47 | 0.0 | 0.0 |
| 9 | 0.6 | 0.6 | 22 | 0.4 | 0.0 | 35 | 1.6 | 1.6 | 48 | 1.0 | 0.6 |
| 10 | 0.0 | 0.0 | 23 | 0.4 | 0.0 | 36 | 0.0 | 0.0 | 49 | 1.0 | 0.8 |
| 11 | 0.8 | 0.6 | 24 | 0.7 | 0.7 | 37 | 0.0 | 0.0 | 50 | 0.0 | 0.0 |
| 12 | 1.0 | 0.6 | 25 | 3.3 | 3.3 | 38 | 3.3 | 3.3 | | | |
| 13 | 3.3 | 3.3 | 26 | 0.0 | 0.0 | 39 | 1.1 | 0.6 | | | |

3. IC409 ZR36701

| PIN | PLAY | STOP | PIN | PLAY | STOP | PIN | PLAY | STOP | PIN | PLAY | STOP |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 1 | 4.9 | 4.9 | 17 | 2.5 | | 33 | 4.9 | 4.9 | 49 | 4.9 | 5.0 |
| 2 | | | 18 | 2.5 | | 34 | 2.0 | | 50 | 4.9 | 5.0 |
| 3 | | | 19 | 2.5 | 4.9 | 35 | 4.9 | 5.0 | 51 | 4.9 | 5.0 |
| 4 | | | 20 | | | 36 | 4.9 | 5.0 | 52 | 4.9 | 4.9 |
| 5 | | | 21 | 2.5 | 4.9 | 37 | 4.9 | 5.0 | 53 | 4.9 | 5.0 |
| 6 | 4.9 | 4.9 | 22 | 2.5 | 4.9 | 38 | 4.9 | 5.0 | 54 | 4.9 | 4.9 |
| 7 | | | 23 | 2.5 | | 39 | 4.9 | 5.0 | 55 | 4.9 | 4.9 |
| 8 | 1.7 | 1.7 | 24 | 4.9 | 4.9 | 40 | 4.9 | 5.0 | 56 | 4.9 | 4.9 |
| 9 | | | 25 | 2.5 | | 41 | | | 57 | | |
| 10 | 4.9 | 4.9 | 26 | 2.5 | | 42 | 4.9 | 5.0 | 58 | | |
| 11 | 4.9 | 4.9 | 27 | 3.0 | 3.3 | 43 | 4.9 | 5.0 | 59 | | |
| 12 | | | 28 | | | 44 | 4.9 | 5.0 | 60 | | |
| 13 | | | 29 | 1.7 | 1.7 | 45 | 4.9 | 5.0 | 61 | | |
| 14 | 4.9 | 4.9 | 30 | | | 46 | | | 62 | 4.9 | 4.9 |
| 15 | | | 31 | 4.9 | 4.9 | 47 | 4.9 | 5.0 | 63 | 4.9 | 4.9 |
| 16 | | | 32 | 4.9 | 4.9 | 48 | 4.9 | 5.0 | 64 | | |

4. IC406 A617308S

| PIN | PLAY | STOP | PIN | PLAY | STOP | PIN | PLAY | STOP | PIN | PLAY | STOP |
|-----|------|------|-----|------|------|-----|------|------|-----|------|------|
| 1 | 4.0 | 4.0 | 9 | 2.4 | 2.4 | 17 | 2.5 | 2.5 | 25 | 2.2 | 2.2 |
| 2 | 4.0 | 4.0 | 10 | 2.4 | 2.4 | 18 | 2.5 | 2.5 | 26 | 2.5 | 2.5 |
| 3 | 4.3 | 4.3 | 11 | 2.5 | 2.5 | 19 | 2.0 | 2.0 | 27 | 2.5 | 2.5 |
| 4 | 2.9 | 2.9 | 12 | 2.2 | 2.2 | 20 | 2.0 | 2.0 | 28 | 1.7 | 1.7 |
| 5 | 2.5 | 2.5 | 13 | 1.8 | 1.8 | 21 | 2.5 | 2.5 | 29 | 5.0 | 5.0 |
| 6 | 2.9 | 2.9 | 14 | 2.2 | 2.2 | 22 | 0.0 | 0.0 | 30 | 5.0 | 5.0 |
| 7 | 2.0 | 2.0 | 15 | 2.5 | 2.5 | 23 | 2.4 | 2.4 | 31 | 4.0 | 4.0 |
| 8 | 2.5 | 2.5 | 16 | 0.0 | 0.0 | 24 | 3.5 | 3.5 | 32 | 5.0 | 5.0 |

17. Electrical Parts List

DHC-X200/X250

| BLOCK | MARK | FROM | TO | CONNECTION | S/N | NAME | DESCRIPTION | REMARK |
|-------|------|-------|-----------|------------|------------|----------|----------------------------|-------------|
| DSP | D1 | CN503 | CW801 | MAIN | 9728809100 | PIN CONN | 2.0MM 35237-1801 18P | |
| DSP | D2 | CN502 | CW402 | MAIN | 9728809000 | PIN CONN | 2.0MM 35237-1101 11P | |
| FRONT | F1 | CN903 | CP992 | H/P | 9728809700 | CONN AS | #26 P2.0 7P 140MM UL 1007 | |
| FRONT | F2 | CN906 | CP906 | KEY SW | 9728811500 | CONN AS | #26 P2.0 3P 100MM UL 1007 | |
| FRONT | F3 | CP903 | CW403 | MAIN | 9CD6264200 | FFC | FFC 1.25X27X360MM K | |
| FRONT | F4 | CP901 | CN501 | DSP | 9CD6264000 | FFC | FFC 1.25X11X230MM R | |
| FRONT | F5 | CN904 | CP904 | MIC | 9728811300 | CONN AS | #26 P2.0 6P 170MM UL 1007 | W/KARAOKE |
| | F5 | CN904 | CW404 | MAIN | 9728811900 | CONN AS | #26 P2.0 4P 170MM UL 1007 | W/O KARAOKE |
| FRONT | F6 | CN901 | PN402 | MPEG | 9728811200 | CONN AS | #26 P2.0 4P 160MM UL 1007 | |
| MAIN | M1 | CN902 | LOADER | LOADER | 9728810400 | CONN AS | #18 P3.96 3P 210MM UL 1007 | |
| MAIN | M2 | CW902 | CP993 | POWER SW | 9728809800 | CONN AS | #22 P7.92 2P 460MM UL 1617 | CN993 |
| BACK | M3 | | CW901 | AC CORD | 9728808100 | WAFER | GP390-03P-TS-M(W/O CENTER) | |
| MAIN | M4 | CN901 | CN701 | REGULATOR | 9728810500 | CONN AS | #24 P2.0 8P 140MM UL 1007 | |
| MAIN | M5 | CP710 | CP852 | VIDEO | 9728810200 | CONN AS | #26 P2.0 6P 120MM UL 1007 | |
| MIC | K1 | CW404 | CP711 | MAIN | 9728809500 | CONN AS | #26 P2.0 8P 200MM UL 1007 | W/KARAOKE |
| MIC | K2 | CN905 | CN504 | DSP | 9728811400 | CONN AS | P2.0 3P 270MM SHIELD BD | W/KARAOKE |
| MPEG | MP1 | PN403 | CN505 | DSP | 9728810100 | CONN AS | #24 P2.0 5P 120MM UL 1007 | |
| MPEG | MP2 | PN404 | LOADER | LOADER | 9728811100 | ATAPI | ATAPI CABLE 40P 250MM | |
| TRANS | PT1 | | CP902 | H/P | 9728808800 | WAFER | 2.0MM PH-3AW 3P | |
| TRANS | PT3 | | CW907 | MAIN | 9728808000 | WAFER | 5267-06A WAFER | |
| TRANS | PT4 | | CW905/904 | MAIN | 9728808500 | WAFER | VH-3A WAFER | |
| TRANS | PT5 | | CW903 | MAIN | 9728808300 | WAFER | VH-3A (W/O CENTER,BLUE) | |
| MAIN | PT2 | CW906 | CP708 | MAIN | 9728808400 | WAFER | VH-2A WAFER | |
| TUNER | TU1 | CN913 | CW401 | MAIN | 9728809200 | FFC | FFC 1.25X17X110MM K | WITH RDS |
| TUNER | TU1 | CN914 | CW401 | MAIN | 9728811600 | FFC | FFC 1.25X15X110MM K | W/O RDS |
| VIDEO | V1 | CN451 | PN401 | MPEG | 9728810300 | CONN AS | #26 P2.0 11P 220MM UL 1007 | |

17. Electrical Parts List

DHC-X200/X250

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|----|----------------|-----------|------------|-----------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 1 | PCB MAIN AS | 10000 | 9CDC060400 | DV-112 | 0 | 0 | |
| 2 | HEAT SINK TR 1 | 10 | 9CD4406400 | AL EXTRUSION | 0 | 0 | |
| 3 | SCREW TAPPTITE | 20 | 7173301011 | TT2 BIN 3X10 MFXN | 0 | 0 | |
| 4 | HEAT SINK TR 2 | 30 | 9CD4406500 | AL EXTRUSION | 0 | 0 | |
| 5 | SCREW TAPPTITE | 40 | 7173301011 | TT2 BIN 3X10 MFXN | 0 | 0 | |
| 6 | TERMINAL GND | 50 | 9CD6450500 | SNP 0.3T | 0 | 0 | |
| 7 | PCB MAIN | 8001 | 9CD6585400 | 330X247 | 0 | 0 | |
| 8 | C CERA | CC403-404 | CXCH1H101J | 50V CH 100PF J (TAPPING) | 0 | 0 | |
| 9 | C CERA | CC407-408 | CXCH1H101J | 50V CH 100PF J (TAPPING) | 0 | 0 | |
| 10 | C CERA | CC411-412 | CXCH1H101J | 50V CH 100PF J (TAPPING) | 0 | 0 | |
| 11 | C CERA | CC415-416 | CXCH1H101J | 50V CH 100PF J (TAPPING) | 0 | 0 | |
| 12 | C CERA | CC419-420 | CXCH1H101J | 50V CH 100PF J (TAPPING) | 0 | 0 | |
| 13 | C CERA | CC423-424 | CXCH1H101J | 50V CH 100PF J (TAPPING) | 0 | 0 | |
| 14 | C CERA | CC425-826 | CCXF1H103Z | 50V F 0.01MF Z (TAPPING) | 0 | 0 | |
| 15 | C CERA | CC427-428 | CCXF1H104Z | 50V F 0.1MF Z | 0 | 0 | |
| 16 | C CERA | CC429 | CXCH1H101J | 50V CH 100PF J (TAPPING) | 0 | 0 | |
| 17 | C CERA | CC430-431 | CCXF1H103Z | 50V F 0.01MF Z (TAPPING) | 0 | 0 | |
| 18 | C CERA | CC801-802 | CCXB1H152K | 50V B 1500PF K (TAPPING) | 0 | 0 | |
| 19 | C CERA | CC803-803 | CCXB1H221K | 50V B 220PF K (TAPPING) | 0 | 0 | |
| 20 | C CERA | CC805-806 | CCXF1H104Z | 50V F 0.1MF Z | 0 | 0 | |
| 21 | C CERA | CC807-808 | CCXF1H223Z | 50V F 0.02MF Z (TAPPING) | 0 | 0 | |
| 22 | C CERA | CC821 | CCXB1H221K | 50V B 220PF K (TAPPING) | 0 | 0 | |
| 23 | C CERA | CC822 | CCXB1H152K | 50V B 1500PF K (TAPPING) | 0 | 0 | |
| 24 | C CERA | CC823 | CCXF1H223Z | 50V F 0.02MF Z (TAPPING) | 0 | 0 | |
| 25 | C CERA | CC824-827 | CCXF1H104Z | 50V F 0.1MF Z | 0 | 0 | |
| 26 | C CERA | CC841-842 | CCXB1H152K | 50V B 1500PF K (TAPPING) | 0 | 0 | |
| 27 | C CERA | CC843-844 | CCXB1H221K | 50V B 220PF K (TAPPING) | 0 | 0 | |
| 28 | C CERA | CC845-846 | CCXF1H104Z | 50V F 0.1MF Z | 0 | 0 | |
| 29 | C CERA | CC847-848 | CCXF1H223Z | 50V F 0.02MF Z (TAPPING) | 0 | 0 | |
| 30 | C CERA | CC861 | CCXB1H221K | 50V B 220PF K (TAPPING) | 0 | 0 | |
| 31 | C CERA | CC862-863 | CCXF1H223Z | 50V F 0.02MF Z (TAPPING) | 0 | 0 | |
| 32 | C CERA | CC864-867 | CCXF1H104Z | 50V F 0.1MF Z | 0 | 0 | |
| 33 | C CERA | CC881 | CCXF1H473Z | 50V F 0.047MF Z (TAPPING) | 0 | 0 | |
| 34 | C CERA AC | CC901 | CH1BF472M | AC400V 4700PF M U/C/V | 0 | 0 | |
| 35 | C CERA | CC902 | CCXF1H104Z | 50V F 0.1MF Z | 0 | 0 | |
| 36 | C ELECTRO | CE401-406 | CEXF1H100V | 50V RSS 10MF (5X11) TP | 0 | 0 | |
| 37 | C ELECTRO | CE801-802 | CEXF1H229V | 50V RSS 2.2MF (5X11) TP | 0 | 0 | |
| 38 | C ELECTRO | CE803-804 | CEXF1H100V | 50V RSS 10MF (5X11) TP | 0 | 0 | |
| 39 | C ELECTRO | CE806 | CEXF1H109V | 50V RSS 1MF (5X11) TP | 0 | 0 | |
| 40 | C ELECTRO | CE807-808 | CEXF1H220V | 50V RSS 22MF (5X11) TP | 0 | 0 | |
| 41 | C ELECTRO | CE821 | CEXF1H229V | 50V RSS 2.2MF (5X11) TP | 0 | 0 | |
| 42 | C ELECTRO | CE823 | CEXF1H220V | 50V RSS 22MF (5X11) TP | 0 | 0 | |
| 43 | C ELECTRO | CE825-827 | CEXF1H100V | 50V RSS 10MF (5X11) TP | 0 | 0 | |
| 44 | C ELECTRO | CE828 | CEXF1H220V | 50V RSS 22MF (5X11) TP | 0 | 0 | |
| 45 | C ELECTRO | CE841-842 | CEXF1H229V | 50V RSS 2.2MF (5X11) TP | 0 | 0 | |
| 46 | C ELECTRO | CE843-844 | CEXF1H100V | 50V RSS 10MF (5X11) TP | 0 | 0 | |
| 47 | C ELECTRO | CE846 | CEXF1H109V | 50V RSS 1MF (5X11) TP | 0 | 0 | |
| 48 | C ELECTRO | CE847-848 | CEXF1H220V | 50V RSS 22MF (5X11) TP | 0 | 0 | |
| 49 | C ELECTRO | CE861 | CEXF1H229V | 50V RSS 2.2MF (5X11) TP | 0 | 0 | |
| 50 | C ELECTRO | CE863 | CEXF1H220V | 50V RSS 22MF (5X11) TP | 0 | 0 | |
| 51 | C ELECTRO | CE865-867 | CEXF1H100V | 50V RSS 10MF (5X11) TP | 0 | 0 | |
| 52 | C ELECTRO | CE868 | CEXF1E470V | 25V RSS 47MF (5X11) TP | 0 | 0 | |
| 53 | C ELECTRO | CE881-882 | CEXF1E101V | 25V RSS 100MF (6.3X11) TP | 0 | 0 | |
| 54 | C ELECTRO | CE901 | CEYF1E102V | 25V RSS 1000MF (13X20) | 0 | 0 | |
| 55 | C ELECTRO | CE902 | CEXF1H100V | 50V RSS 10MF (5X11) TP | 0 | 0 | |
| 56 | C ELECTRO | CE903-906 | CEYF1V472V | 35V RSS 4700MF (22X40) | 0 | 0 | |
| 57 | C ELECTRO | CE907 | CEXF1H100V | 50V RSS 10MF (5X11) TP | 0 | 0 | |
| 58 | C ELECTRO | CE908 | CEYF1E472V | 25V RSS 4700MF (22X40) | 0 | 0 | |
| 59 | C ELECTRO | CE909 | CEYF1E102V | 25V RSS 1000MF (13X20) | 0 | 0 | |
| 60 | C ELECTRO | CE910 | CEYF1E472V | 25V RSS 4700MF (22X40) | 0 | 0 | |
| 61 | C ELECTRO | CE911-913 | CEYF1C471V | 16V RSS 470MF 10X12.5 | 0 | 0 | |
| 62 | C ELECTRO | CE914 | CEXF1J331V | RSS 63V 330MF 6.3*11 | 0 | 0 | |
| 63 | C ELECTRO | CE915 | CEXF1H109V | 50V RSS 1MF (5X11) TP | 0 | 0 | |
| 64 | C ELECTRO | CE916 | CEYF1C682V | 16V RSS 6800MF (22X40) | 0 | 0 | |
| 65 | C MYLAR | CM801-802 | CMXM2A104J | 100V 0.1MF J (TP) | 0 | 0 | |
| 66 | C MYLAR | CM803-804 | CMXM2A472J | 100V 4700PF J (TP) | 0 | 0 | |
| 67 | C MYLAR | CM821 | CMXM2A104J | 100V 0.1MF J (TP) | 0 | 0 | |
| 68 | C MYLAR | CM822 | CMXM2A472J | 100V 4700PF J (TP) | 0 | 0 | |
| 69 | C MYLAR | CM841-842 | CMXM2A104J | 100V 0.1MF J (TP) | 0 | 0 | |
| 70 | C MYLAR | CM843-844 | CMXM2A472J | 100V 4700PF J (TP) | 0 | 0 | |
| 71 | C MYLAR | CM861 | CMXM2A104J | 100V 0.1MF J (TP) | 0 | 0 | |
| 72 | C MYLAR | CM862 | CMXM2A472J | 100V 4700PF J (TP) | 0 | 0 | |
| 73 | C MYLAR | CM901-906 | CMXM2A104J | 100V 0.1MF J (TP) | 0 | 0 | |
| 74 | C MYLAR | CM907-915 | CMXM2A473J | 100V 0.047MF J (TP) | 0 | 0 | |
| 75 | CONN AS | CN401 | 9728810200 | #26 P2.0 6P 120MM UL 1007 | 0 | 0 | |
| 76 | CONN AS | CN901 | 9728810500 | #24 P2.0 8P 140MM UL 1007 | 0 | 0 | |
| 77 | CONN AS | CN902 | 9728810400 | #18 P3 9.6 3P 210MM UL 1007 | 0 | 0 | |
| 78 | CONN WAFER | CW401 | 9CD6263900 | 52045-1745 | 0 | 0 | |
| 79 | CONN WAFER | CW402 | 9728807700 | 35336-1110 WAFER | 0 | 0 | |
| 80 | CONN WAFER | CW403 | 9CD6263800 | 52045-2745 | 0 | 0 | |
| 81 | CONN WAFER | CW404 | 9728810800 | 2.0MM PH-4A 4P | 0 | 0 | |
| 82 | CONN WAFER | CW801 | 9728807800 | 35336-1810 WAFER | 0 | 0 | |
| 83 | CONN WAFER | CW901 | 9728808100 | GP390-03P-TS-M(W/O CENTER) | 0 | 0 | |
| 84 | CONN WAFER | CW902 | 9728808200 | VH-3A (W/O CENTER,RED) | 0 | 0 | |
| 85 | CONN WAFER | CW903 | 9728808300 | VH-3A (W/O CENTER) | 0 | 0 | |
| 86 | CONN WAFER | CW904 | 9728808500 | VH-3A WAFER | 0 | 0 | |
| 87 | CONN WAFER | CW905 | 9728808500 | VH-3A WAFER | 0 | 0 | |

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|-----|-------------------|-----------|-------------|---------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 88 | CONN WAFER | CW906 | 9728808400 | VH-2A WAFER | 0 | 0 | |
| 89 | CONN WAFER | CW907 | 9728808000 | 5267-06A WAFER | 0 | 0 | |
| 90 | DIODE | D401-404 | DZN4148--- | 1N4148 AUTO 52MM | 0 | 0 | |
| 91 | DIODE | D801 | D1N4007--- | 1N4007 | 0 | 0 | |
| 92 | DIODE | D821 | DZN4148--- | 1N4148 AUTO 52MM | 0 | 0 | |
| 93 | DIODE | D861 | DZN4148--- | 1N4148 AUTO 52MM | 0 | 0 | |
| 94 | DIODE | D881-882 | DZN4148--- | 1N4148 AUTO 52MM | 0 | 0 | |
| 95 | DIODE | D901-905 | D1N4007--- | 1N4007 | 0 | 0 | |
| 96 | DIODE | D906 | DZN4148--- | 1N4148 AUTO 52MM | 0 | 0 | |
| 97 | DIODE | D907 | D1N4007--- | 1N4007 | 0 | 0 | |
| 98 | DIODE | D908-909 | DKBPC604--- | KBPC604 | 0 | 0 | |
| 99 | DIODE | D910-911 | DZN4148--- | 1N4148 AUTO 52MM | 0 | 0 | |
| 100 | DIODE | D912-919 | D1N4007--- | 1N4007 | 0 | 0 | |
| 101 | DIODE | D920-921 | DZN4148--- | 1N4148 AUTO 52MM | 0 | 0 | |
| 102 | DIODE | D922 | D1N4007--- | 1N4007 | 0 | 0 | |
| 103 | DIODE | D923 | DKBPC806--- | KBPC806 | 0 | 0 | |
| 104 | DIODE | D924 | D1N4007--- | 1N4007 | 0 | 0 | |
| 105 | DIODE ZENER | DZ901 | DZTZ3R3B--- | MTZ 3.3V B | 0 | 0 | |
| 106 | DIODE ZENER | DZ902 | DZTZ4R3B--- | MTZ4.3B | 0 | 0 | |
| 107 | DIODE ZENER | DZ904 | DZTZ5R6B--- | UZ-5.6B | 0 | 0 | |
| 108 | DIODE ZENER | DZ905 | DZTZ22B--- | MTZ 22V B | 0 | 0 | |
| 109 | DIODE ZENER | DZ906 | DZTZ12B--- | MTZ 12V 26MM TAPPING | 0 | 0 | |
| 110 | DIODE ZENER | DZ907-910 | DZTZ4R3B--- | MTZ4.3B | 0 | 0 | |
| 111 | FUSE GLASS TUBE | F901 | 5FSGB2022L | SEMKO TL 2A 250V MF51 | 0 | 0 | |
| 112 | FUSE GLASS TUBE | F903 | 5FSGB4022L | SEMKO TL 4A 250V MF51 | 0 | 0 | |
| 113 | CLIP FUSE | FC901-904 | 9734600700 | FC-5N | 0 | 0 | |
| 114 | IC SWITCH | IC401 | 1NJU7313AM | 1NJU7313AM (SW ARRAY SOP) | 0 | 0 | |
| 115 | IC OP AMP | IC402 | 1NUM558D | NUM558D | 0 | 0 | |
| 116 | IC | IC801 | 1TDA7265--- | TDA7265 | 0 | 0 | |
| 117 | IC | IC821 | 1TDA7296--- | TDA7296(S) | 0 | 0 | |
| 118 | IC | IC841 | 1TDA7265--- | TDA7265 | 0 | 0 | |
| 119 | IC | IC861 | 1TDA7296--- | TDA7296(S) | 0 | 0 | |
| 120 | IC PROTECTOR | IC901 | 11CPN15--- | ICP-N15 | 0 | 0 | |
| 121 | IC REGULATOR | IC902 | 1K1A7805AP | K1A7805AP | 0 | 0 | |
| 122 | IC REGULATOR | IC903 | 1K1A7812AP | K1A7812AP | 0 | 0 | |
| 123 | IC | IC904 | 1K1A7912AP | K1A7912AP (MOLD) | 0 | 0 | |
| 124 | IC REGULATOR | IC905 | 1K1A7805AP | K1A7805AP | 0 | 0 | |
| 125 | JACK RCA | J401-402 | 9736323600 | JK0600460 | 0 | 0 | |
| 126 | JACK SPK TERMINAL | J801-802 | 9736324400 | P40620702P | 0 | 0 | |
| 127 | WIRE JUMPER | JW101-111 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 128 | WIRE JUMPER | JW112 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 129 | WIRE JUMPER | JW113-114 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 130 | WIRE JUMPER | JW115-116 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 131 | WIRE JUMPER | JW117 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 132 | WIRE JUMPER | JW118 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 133 | WIRE JUMPER | JW120 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 134 | WIRE JUMPER | JW121 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 135 | WIRE JUMPER | JW123-124 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 136 | WIRE JUMPER | JW126-131 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 137 | WIRE JUMPER | JW132 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 138 | WIRE JUMPER | JW133-136 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 139 | WIRE JUMPER | JW137 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 140 | WIRE JUMPER | JW138 | W581GY1505 | AWG22 1/0.65 GY 15 AUTO | 0 | 0 | |
| 141 | WIRE JUMPER | JW139-144 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 142 | WIRE JUMPER | JW145 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 143 | WIRE JUMPER | JW146 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 144 | WIRE JUMPER | JW147-148 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 145 | WIRE JUMPER | JW149-150 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 146 | WIRE JUMPER | JW152 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 147 | WIRE JUMPER | JW153-155 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 148 | WIRE JUMPER | JW156-157 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 149 | WIRE JUMPER | JW158 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 150 | WIRE JUMPER | JW159-160 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 151 | WIRE JUMPER | JW161-165 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 152 | WIRE JUMPER | JW166 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 153 | WIRE JUMPER | JW167 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 154 | WIRE JUMPER | JW168-170 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 155 | WIRE JUMPER | JW171 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 156 | WIRE JUMPER | JW172 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 157 | WIRE JUMPER | JW173 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 158 | WIRE JUMPER | JW174 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 159 | WIRE JUMPER | JW176-177 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 160 | WIRE JUMPER | JW178 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 161 | WIRE JUMPER | JW179 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 162 | WIRE JUMPER | JW180-181 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 163 | WIRE JUMPER | JW182 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 164 | WIRE JUMPER | JW183 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 165 | WIRE JUMPER | JW184 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 166 | WIRE JUMPER | JW185 | W581GY1505 | AWG22 1/0.65 GY 15 AUTO | 0 | 0 | |
| 167 | WIRE JUMPER | JW186-187 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 168 | WIRE JUMPER | JW188 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 169 | WIRE JUMPER | JW189 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 170 | WIRE JUMPER | JW190 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 171 | WIRE JUMPER | JW191-194 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 172 | WIRE JUMPER | JW195-197 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 173 | WIRE JUMPER | JW198 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 174 | WIRE JUMPER | JW199-202 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |

17. Electrical Parts List

DHC-X200/X250

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|-----|----------------|-----------|------------|---------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 175 | WIRE JUMPER | JW203 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 176 | WIRE JUMPER | JW204 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 177 | WIRE JUMPER | JW205-206 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 178 | WIRE JUMPER | JW207 | W581GY1505 | AWG22 1/0.65 GY 15 AUTO | 0 | 0 | |
| 179 | WIRE JUMPER | JW208 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 180 | WIRE JUMPER | JW209 | W581GY1505 | AWG22 1/0.65 GY 15 AUTO | 0 | 0 | |
| 181 | WIRE JUMPER | JW210-211 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 182 | WIRE JUMPER | JW212 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 183 | WIRE JUMPER | JW213 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 184 | WIRE JUMPER | JW214 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 185 | WIRE JUMPER | JW215 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 186 | WIRE JUMPER | JW216 | W581GY12J5 | AWG22 1/0.65 SN 12.5 AUTO | 0 | 0 | |
| 187 | WIRE JUMPER | JW217-220 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 188 | WIRE JUMPER | JW221-222 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 189 | WIRE JUMPER | JW223-224 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 190 | WIRE JUMPER | JW225-228 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 191 | WIRE JUMPER | JW230-233 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 192 | WIRE JUMPER | JW234-237 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 193 | WIRE JUMPER | JW238 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 194 | WIRE JUMPER | JW239-240 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 195 | WIRE JUMPER | JW241 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 196 | WIRE JUMPER | JW242-245 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 197 | WIRE JUMPER | JW247-250 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 198 | WIRE JUMPER | JW252 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 199 | WIRE JUMPER | JW253 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 200 | WIRE JUMPER | JW254 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 201 | WIRE JUMPER | JW255 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 202 | WIRE JUMPER | JW256 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 203 | WIRE JUMPER | JW258-259 | W581GY17J5 | AWG22 1/0.65 SN 17.5 AUTO | 0 | 0 | |
| 204 | WIRE JUMPER | JW260 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 205 | WIRE JUMPER | JW261-262 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 206 | WIRE JUMPER | JW263-265 | W581GY1505 | AWG22 1/0.65 GY 15 AUTO | 0 | 0 | |
| 207 | WIRE JUMPER | JW266 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 208 | WIRE JUMPER | JW267 | W581GY1505 | AWG22 1/0.65 GY 15 AUTO | 0 | 0 | |
| 209 | WIRE JUMPER | JW268 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 210 | WIRE JUMPER | JW269-270 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 211 | WIRE JUMPER | JW271-272 | W581GY1505 | AWG22 1/0.65 GY 15 AUTO | 0 | 0 | |
| 212 | WIRE JUMPER | JW273-274 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 213 | WIRE JUMPER | JW275 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 214 | WIRE JUMPER | JW276 | W581GY6095 | AWG22 1/0.65 SN 6 AUTO | 0 | 0 | |
| 215 | WIRE JUMPER | JW277-278 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 216 | COIL SPRING | L801-802 | 5L00000732 | P110X1.0X7T (R) CW | 0 | 0 | |
| 217 | COIL SPRING | L821 | 5L00000732 | P110X1.0X7T (R) CW | 0 | 0 | |
| 218 | COIL SPRING | L841-842 | 5L00000732 | P110X1.0X7T (R) CW | 0 | 0 | |
| 219 | COIL SPRING | L861 | 5L00000732 | P110X1.0X7T (R) CW | 0 | 0 | |
| 220 | TRANS POWER | PT901 | 5TP8028855 | EI-28K12 8.5V 150MA 230V | 0 | 0 | |
| 221 | TR | Q801-802 | TZRC231M-- | KRC231M(KEC) | 0 | 0 | |
| 222 | TR | Q803 | TZRC102M-- | KRC102M(KEC) | 0 | 0 | |
| 223 | TR | Q804 | TZRA102M-- | KRA102M(KEC) | 0 | 0 | |
| 224 | TR | Q805 | KRC107M-- | KRC 107-M (TAPPING) | 0 | 0 | |
| 225 | TR | Q821 | TZRA102M-- | KRA102M(KEC) | 0 | 0 | |
| 226 | TR | Q822 | TZRC231M-- | KRC231M(KEC) | 0 | 0 | |
| 227 | TR | Q823 | TZRA102M-- | KRA102M(KEC) | 0 | 0 | |
| 228 | TR | Q841-842 | TZRC231M-- | KRC231M(KEC) | 0 | 0 | |
| 229 | TR | Q843 | TZRC102M-- | KRC102M(KEC) | 0 | 0 | |
| 230 | TR | Q844 | TZRA102M-- | KRA102M(KEC) | 0 | 0 | |
| 231 | TR | Q862 | TZRA102M-- | KRA102M(KEC) | 0 | 0 | |
| 232 | TR | Q881-882 | TZTC3199Y- | KTC-3199Y TAPING | 0 | 0 | |
| 233 | TR | Q883 | TZTA1266Y- | KTA1266Y-(AUTO)(1015V) | 0 | 0 | |
| 234 | TR | Q901 | TKRC107M-- | KRC 107-M (TAPPING) | 0 | 0 | |
| 235 | TR | Q903 | TZTA1024Y- | KTA1024Y (949V) | 0 | 0 | |
| 236 | TR | Q904 | TKRC107M-- | KRC 107-M (TAPPING) | 0 | 0 | |
| 237 | R CARBON FILM | R401-402 | RD-AZ471J- | 1/6 470 OHM J | 0 | 0 | |
| 238 | R CARBON FILM | R403-404 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 239 | R CARBON FILM | R405-406 | RD-AZ471J- | 1/6 470 OHM J | 0 | 0 | |
| 240 | R CARBON FILM | R407-408 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 241 | R CARBON FILM | R409-410 | RD-AZ471J- | 1/6 470 OHM J | 0 | 0 | |
| 242 | R CARBON FILM | R411-412 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 243 | R CARBON FILM | R413-414 | RD-AZ471J- | 1/6 470 OHM J | 0 | 0 | |
| 244 | R CARBON FILM | R415-416 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 245 | R CARBON FILM | R417-418 | RD-AZ471J- | 1/6 470 OHM J | 0 | 0 | |
| 246 | R CARBON FILM | R419-420 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 247 | R CARBON FILM | R421-422 | RD-AZ471J- | 1/6 470 OHM J | 0 | 0 | |
| 248 | R CARBON FILM | R423-428 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 249 | R CARBON FILM | R429-432 | RD-AZ107J- | 1/6 100 OHM J | 0 | 0 | |
| 250 | R CARBON FILM | R433-434 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 251 | R CARBON FILM | R435-439 | RD-AZ101J- | 1/6 100 OHM J | 0 | 0 | |
| 252 | R CARBON FILM | R801-802 | RD-AZ102J- | 1/6 1K OHM J | 0 | 0 | |
| 253 | R CARBON FILM | R803-804 | RD-AZ561J- | 1/6 560 OHM J | 0 | 0 | |
| 254 | R CARBON FILM | R805-806 | RD-AZ183J- | 1/6 18K OHM J | 0 | 0 | |
| 255 | R CARBON FILM | R807-810 | RD-AZ479J- | 1/4 4.7 OHM J | 0 | 0 | |
| 256 | R CARBON FILM | R813-814 | RD-AZ151J- | 1/4 150 OHM J | 0 | 0 | |
| 257 | R CARBON FILM | R816 | RD-AZ102J- | 1/6 1K OHM J | 0 | 0 | |
| 258 | R CARBON FILM | R817 | RD-AZ153J- | 1/6 15K OHM J | 0 | 0 | |
| 259 | R CARBON FILM | R818-819 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 260 | R CARBON FILM | R820 | RD-AZ183J- | 1/6 18K OHM J | 0 | 0 | |
| 261 | R CARBON FILM | R821 | RD-AZ102J- | 1/6 1K OHM J | 0 | 0 | |
| 262 | R CARBON FILM | R822 | RD-AZ681J- | 1/6 680 OHM J | 0 | 0 | |
| 263 | R CARBON FILM | R823-824 | RD-AZ223J- | 1/6 22K OHM J | 0 | 0 | |
| 264 | R CARBON FILM | R825 | RD-AZ102J- | 1/6 1K OHM J | 0 | 0 | |
| 265 | R CARBON FILM | R827 | RD-AZ103J- | 1/6 10K OHM J | 0 | 0 | |
| 266 | R CARBON FILM | R828 | RD-AZ333J- | 1/6 33K OHM J | 0 | 0 | |
| 267 | R CARBON FILM | R829 | RD-AZ223J- | 1/6 22K OHM J | 0 | 0 | |
| 268 | R CARBON FILM | R830 | RD-AZ154J- | 1/6 150K OHM J | 0 | 0 | |
| 269 | R CARBON FILM | R831 | RD-AZ479J- | 1/4 4.7 OHM J | 0 | 0 | |
| 270 | R CARBON FILM | R833 | RD-AZ479J- | 1/4 4.7 OHM J | 0 | 0 | |
| 271 | R CARBON FILM | R834 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 272 | R CARBON FILM | R835 | RD-AZ473J- | 1/6 47K OHM J | 0 | 0 | |
| 273 | R CARBON FILM | R836 | RD-AZ823J- | 1/6 82K OHM J | 0 | 0 | |
| 274 | R CARBON FILM | R841-842 | RD-AZ102J- | 1/6 1K OHM J | 0 | 0 | |
| 275 | R CARBON FILM | R843-844 | RD-AZ561J- | 1/6 560 OHM J | 0 | 0 | |
| 276 | R CARBON FILM | R845-846 | RD-AZ183J- | 1/6 18K OHM J | 0 | 0 | |
| 277 | R CARBON FILM | R847-850 | RD-AZ479J- | 1/4 4.7 OHM J | 0 | 0 | |
| 278 | R CARBON FILM | R853 | RD-AZ102J- | 1/6 1K OHM J | 0 | 0 | |
| 279 | R CARBON FILM | R855 | RD-AZ153J- | 1/6 15K OHM J | 0 | 0 | |
| 280 | R CARBON FILM | R856 | RD-AZ183J- | 1/6 18K OHM J | 0 | 0 | |
| 281 | R CARBON FILM | R857-858 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 282 | R CARBON FILM | R859 | RD-AZ823J- | 1/6 82K OHM J | 0 | 0 | |
| 283 | R CARBON FILM | R861 | RD-AZ102J- | 1/6 1K OHM J | 0 | 0 | |
| 284 | R CARBON FILM | R862 | RD-AZ561J- | 1/6 560 OHM J | 0 | 0 | |
| 285 | R CARBON FILM | R863-864 | RD-AZ223J- | 1/6 22K OHM J | 0 | 0 | |
| 286 | R CARBON FILM | R867 | RD-AZ103J- | 1/6 10K OHM J | 0 | 0 | |
| 287 | R CARBON FILM | R868 | RD-AZ333J- | 1/6 33K OHM J | 0 | 0 | |
| 288 | R CARBON FILM | R869 | RD-AZ223J- | 1/6 22K OHM J | 0 | 0 | |
| 289 | R CARBON FILM | R870 | RD-AZ154J- | 1/6 150K OHM J | 0 | 0 | |
| 290 | R CARBON FILM | R871 | RD-AZ479J- | 1/4 4.7 OHM J | 0 | 0 | |
| 291 | R CARBON FILM | R873 | RD-AZ479J- | 1/4 4.7 OHM J | 0 | 0 | |
| 292 | R CARBON FILM | R874 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 293 | R CARBON FILM | R875 | RD-AZ473J- | 1/6 47K OHM J | 0 | 0 | |
| 294 | R CARBON FILM | R881 | RD-AZ104J- | 1/6 100K OHM J | 0 | 0 | |
| 295 | R CARBON FILM | R882-883 | RD-AZ473J- | 1/6 47K OHM J | 0 | 0 | |
| 296 | R CARBON FILM | R901 | RD-AZ475J- | 1/4 4.7M OHM J | 0 | 0 | |
| 297 | R CARBON FILM | R902 | RD-AZ221J- | 1/6 220 OHM J | 0 | 0 | |
| 298 | R CARBON FILM | R903 | RD-AZ223J- | 1/6 22K OHM J | 0 | 0 | |
| 299 | R CARBON FILM | R904 | RD-AZ102J- | 1/6 1K OHM J | 0 | 0 | |
| 300 | R CARBON FILM | R905-910 | RD-AZ563J- | 1/6 56K OHM J | 0 | 0 | |
| 301 | R CARBON FILM | R911 | RD-AZ682J- | 1/6 6.8K OHM J | 0 | 0 | |
| 302 | R CARBON FILM | R912 | RD-AZ103J- | 1/6 10K OHM J | 0 | 0 | |
| 303 | R M-OXIDE FILM | RM881 | RS-AZ473J- | 1/4 47K OHM J | 0 | 0 | |
| 304 | R M-OXIDE FILM | RM901-902 | RS-AZ109J- | 1/4 1 OHM J | 0 | 0 | |
| 305 | R M-OXIDE FILM | RM903 | RS-AZ680J- | 1/4 68 OHM J | 0 | 0 | |
| 306 | R FUSIBLE | RM904-905 | RF01Y478J- | 1W 0.47 OHM J | 0 | 0 | |
| 307 | R FUSIBLE | RM906-907 | RF-2F478J- | 1/2 0.47 OHM J | 0 | 0 | |
| 308 | R M-OXIDE FILM | RM908 | RS-AZ109J- | 1/4 1 OHM J | 0 | 0 | |
| 309 | SW RELAY | RY801 | 5SC0201103 | HR-CR323 2C-1P DC12V | 0 | 0 | |
| 310 | SW RELAY | RY901 | 5SC2001A01 | SDT-S-105LMR | 0 | 0 | |
| 311 | SW RELAY | RY902 | 5SC0101370 | SDT-S-112LMR | 0 | 0 | |
| 312 | WIRE LEAD | W901 | WP-WZH2017 | #22 17/0.16 WH 10-200-10 | 0 | 0 | |
| 1 | PCB VIDEO AS | 11000 | 9CD0604A0 | DV-112 | 0 | 0 | |
| 2 | PCB VIDEO | 8001 | 9CD6585401 | 330X247 | 0 | 0 | |
| 3 | C CERA | CC451 | CXC1H1101J | 50V CH 100PF J (TAPPING) | 0 | 0 | |
| 4 | C CERA | CC452-453 | CCXF1H103Z | 50V F 0.01MF Z (TAPPING) | 0 | 0 | |
| 5 | C CERA | CC454 | CCXF1H473Z | 50V F 0.047MF Z (TAPPING) | 0 | 0 | |
| 6 | C ELECTRO | CE451-453 | CEXF1E470V | 25V RSS 47MF (EX11) TP | 0 | 0 | |
| 7 | C ELECTRO | CE454-455 | CEYF1C471V | 16V RSS 470MF 10X12.5 | 0 | 0 | |
| 8 | C ELECTRO | CE456 | CEXF1E101V | 25V RSS 100MF (6.3X11) TP | 0 | 0 | |
| 9 | CONN AS | CN451 | 9728810301 | #26 1007 11P 600MM | 0 | 0 | |
| 10 | CONN WAFER | CW451 | 9728808600 | 2.0MM PH-6AW 6P | 0 | 0 | |
| 11 | DIODE | D451-455 | DZN4148-- | 1N4148 AUTO 52MM | 0 | 0 | |
| 12 | IC SWITCH | IC451 | 1LA7952-- | LA7952-- | 0 | 0 | |
| 13 | JACK RCA | J451 | 9736323700 | JE0200596N | 0 | 0 | |
| 14 | JACK S VIDEO | J452 | 9736324000 | C50160272N | 0 | 0 | |
| 15 | JACK RCA | J453 | 9736323800 | JE0301645N | 0 | 0 | |
| 16 | JACK RCA | J454 | 9736323900 | JE0301645G | 0 | 0 | |
| 17 | WIRE JUMPER | JW401 | W581GY1505 | AWG22 1/0.65 GY 15 AUTO | 0 | 0 | |
| 18 | WIRE JUMPER | JW402-404 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 19 | WIRE JUMPER | JW405 | | | | | |

17. Electrical Parts List

DHC-X200/X250

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|----|----------------|----------------|------------|--------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 37 | R CARBON FILM | R463 | RD-AZ333J- | 1/6 33K OHM J | 0 | 0 | |
| 1 | PCB REG AS | 12000 | 9CDC060480 | DV-112 | 0 | 0 | |
| 2 | PCB REG | B001 | 9CD6585402 | 330X247 | 0 | 0 | |
| 3 | C CERA | CC931-931 | CCXF1H104Z | 50V F 0.1MF Z | 0 | 0 | |
| 4 | C ELECTRO | CE931-932 | CEXF1H100V | 50V RSS 10MF (5X11) TP | 0 | 0 | |
| 5 | CONN WAFER | CW931 | 9728808701 | 8P 2MM | 0 | 0 | |
| 6 | IC REGULATOR | IC931-932 | 1K1A7805AP | K1A7805AP | 0 | 0 | |
| 7 | WIRE JUMPER | JW301-302 | W581GY7595 | AWG22 1/0.65 SN 7.5 AUTO | 0 | 0 | |
| 8 | WIRE JUMPER | JW303 | W581GY1005 | AWG22 1/0.65 SN 10 AUTO | 0 | 0 | |
| 9 | TR | Q931-932 | TZTA1049Y- | A1049Y | 0 | 0 | |
| 10 | R M-OXIDE FILM | RM931-932 | RS-42100J- | 1/4 10 OHM J | 0 | 0 | |
| 1 | PCB DSP AS | 13000 | 9CDC059000 | DV-115 | 0 | 0 | |
| 2 | PCB DSP | B001 | 9CD6583900 | 170X260 | 0 | 0 | |
| 3 | C ELECTRO | C501 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 4 | C CHIP CERA | C502 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 5 | C CHIP CERA | C503 | HCOK220JBA | 50V CH 22PF J 1608 | 0 | 0 | |
| 6 | C ELECTRO | C504 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 7 | C CHIP CERA | C505 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 8 | C CHIP CERA | C506 | HCOK220JBA | 50V CH 22PF J 1608 | 0 | 0 | |
| 9 | C CHIP CERA | C507 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 10 | C CHIP CERA | C508-509 | HCOK220JBA | 50V CH 22PF J 1608 | 0 | 0 | |
| 11 | C ELECTRO | C510 | CEXF1H108E | 50V RM 0.1MF (5X11) TP | 0 | 0 | |
| 12 | C CHIP CERA | C511-512 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 13 | C ELECTRO | C513-514 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 14 | C CHIP CERA | C513LR | HCOK222JBA | 50V CH 2200PF J 1608 | 0 | 0 | |
| 15 | C ELECTRO | C514LR | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 16 | C CHIP CERA | C515-517 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 17 | C ELECTRO | C518 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 18 | C CHIP CERA | C518LR | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 19 | C CHIP CERA | C519 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 20 | C ELECTRO | C520 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 21 | C CHIP CERA | C521 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 22 | C CHIP CERA | C522-523 | HCOK270JBA | 50V CH 27PF J 1608 | 0 | 0 | |
| 23 | C ELECTRO | C525 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 24 | C ELECTRO | C526 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 25 | C CHIP CERA | C527 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 26 | C ELECTRO | C528 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 27 | C CHIP CERA | C529 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 28 | C CHIP CERA | C530 | HCFK224ZCA | Y5V 50V 0.22MF Z 2012 | 0 | 0 | |
| 29 | C ELECTRO | C531 | CEXF1H229E | 50V RM 2.2MF (5X11) TP | 0 | 0 | |
| 30 | C ELECTRO | C532 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 31 | C CHIP CERA | C533 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 32 | C CHIP CERA | C534 | HCBK102KBA | 50V X7R 1000PF K 1608 | 0 | 0 | |
| 33 | C ELECTRO | C535 | CEXF1H109E | 50V RM 1MF (5X11) TP | 0 | 0 | |
| 34 | C ELECTRO | C536 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 35 | C CHIP CERA | C537 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 36 | C ELECTRO | C538 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 37 | C CHIP CERA | C539-540 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 38 | C ELECTRO | C541 | CEXF1H229V | 50V RSS 2.2MF (5X11) TP | 0 | 0 | |
| 39 | C CHIP CERA | C542 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 40 | C ELECTRO | C543 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 41 | C CHIP CERA | C544 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 42 | C ELECTRO | C545 | CEXF1E470E | 25V RM 47MF (5X11) | 0 | 0 | |
| 43 | C ELECTRO | C546LR-547LR | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 44 | C ELECTRO | C547 | CEXF1H109E | 50V RM 1MF (5X11) TP | 0 | 0 | |
| 45 | C CHIP CERA | C548-549 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 46 | C CHIP CERA | C548LR | HCOK101JBA | 50V CH 1000PF J 1608 | 0 | 0 | |
| 47 | C CHIP CERA | C549LR-550LR | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 48 | C ELECTRO | C550 | CEXF1H109E | 50V RM 1MF (5X11) TP | 0 | 0 | |
| 49 | C CHIP CERA | C552 | HCOK101JBA | 50V CH 1000PF J 1608 | 0 | 0 | |
| 50 | C ELECTRO | C552LR | CEXF1H339E | 50V RM 3.3MF (5X11) TP | 0 | 0 | |
| 51 | C CHIP CERA | C553 | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 52 | C ELECTRO | C554 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 53 | C CHIP CERA | C555 | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 54 | C ELECTRO | C556 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 55 | C CHIP CERA | C557-562 | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 56 | C ELECTRO | C563 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 57 | C CHIP CERA | C564 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 58 | C ELECTRO | C565 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 59 | C ELECTRO | C566 | CEXF1H109E | 50V RM 1MF (5X11) TP | 0 | 0 | |
| 60 | C ELECTRO | C566LR | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 61 | C CHIP CERA | C567 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 62 | C ELECTRO | C570LR-571LR | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 63 | C CHIP CERA | C572LR | HCBK102KBA | 50V X7R 1000PF K 1608 | 0 | 0 | |
| 64 | C ELECTRO | C578 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 65 | C ELECTRO | C579AB/IC/LR/W | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 66 | C CHIP CERA | C580AB/IC/LR/W | HCOK471JBA | 50V CH 470PF J 1608 | 0 | 0 | |
| 67 | C CHIP CERA | C581AB/IC/LR/W | HCOK471JBA | 50V CH 470PF J 1608 | 0 | 0 | |
| 68 | C ELECTRO | C582AB/IC/LR/W | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 69 | C CHIP CERA | C583AB/IC/LR/W | HCBK332KBA | 50V X7R 3300PF K 1608 | 0 | 0 | |
| 70 | C CHIP CERA | C584LR/RW | HCOK101JBA | 50V CH 100PF J 1608 | 0 | 0 | |
| 71 | C CHIP CERA | C585LR | HCOK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 72 | C CHIP CERA | C585W | HCOK470JBA | 50V CH 47PF J 1608 | 0 | 0 | |
| 73 | C ELECTRO | C586LR/RW | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 74 | C CHIP CERA | C587 | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 75 | C ELECTRO | C588 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 76 | C CHIP CERA | C589 | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|-----|---------------|-----------------|------------|--------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 77 | C ELECTRO | C590 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 78 | C ELECTRO | C591 | CEXF1V470E | 35V RM 47MF (5X11) TP | 0 | 0 | |
| 79 | C ELECTRO | C592 | CEXF1H109E | 50V RM 1MF (5X11) TP | 0 | 0 | |
| 80 | C ELECTRO | C593LR-594LR | CEXF1H479E | 50V RM 4.7MF (5X11) TP | 0 | 0 | |
| 81 | C ELECTRO | C595 | CEXF1H109E | 50V RM 1MF (5X11) TP | 0 | 0 | |
| 82 | C ELECTRO | C596A/B/C/L/R/W | CEXF1H479E | 50V RM 4.7MF (5X11) TP | 0 | 0 | |
| 83 | C ELECTRO | C597-598 | CEXF1H479E | 50V RM 4.7MF (5X11) TP | 0 | 0 | |
| 84 | C CHIP CERA | C599 | HCBK822KBA | 50V X7R 8200PF K 1608 | 0 | 0 | |
| 85 | C ELECTRO | C600 | CEXF1H338E | 5V RM 0.33MF (5X11) TP | 0 | 0 | |
| 86 | C CHIP CERA | C601 | HCBK153KBA | 50V X7R 0.015MF K 1608 | 0 | 0 | |
| 87 | C CHIP CERA | C602-606 | HCOK101JBA | 50V CH 100PF J 1608 | 0 | 0 | |
| 88 | C ELECTRO | C607 | CEXF1H338E | 5V RM 0.33MF (5X11) TP | 0 | 0 | |
| 89 | C CHIP CERA | C608 | HCBK153KBA | 50V X7R 0.015MF K 1608 | 0 | 0 | |
| 90 | C ELECTRO | C609-610 | CEXF1H339E | 50V RM 3.3MF (5X11) TP | 0 | 0 | |
| 91 | C CHIP CERA | C612 | HCBK822KBA | 50V X7R 8200PF K 1608 | 0 | 0 | |
| 92 | C ELECTRO | C613 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 93 | C ELECTRO | C614 | CEXF1H108E | 50V RM 0.1MF (5X11) TP | 0 | 0 | |
| 94 | C CHIP CERA | C615-616 | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 95 | C ELECTRO | C617-618 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 96 | C CHIP CERA | C619LR | HCOK101JBA | 50V CH 100PF J 1608 | 0 | 0 | |
| 97 | C CHIP CERA | C621-624 | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 98 | C ELECTRO | C625-626 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 99 | C CHIP CERA | C627-632 | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 100 | C CHIP CERA | C633A/B/C/L/R/W | HCOK101JBA | 50V CH 100PF J 1608 | 0 | 0 | |
| 101 | C ELECTRO | C634A/B/LR | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 102 | C ELECTRO | C634C/W | CEXF1H479E | 50V RM 4.7MF (5X11) TP | 0 | 0 | |
| 103 | C CHIP CERA | C635A/B/C/L/R/W | HCOK681JBA | 50V CH 680PF J 1608 | 0 | 0 | |
| 104 | C CHIP CERA | C636A/B/C/L/R/W | HCOK820JBA | 50V CH 82PF J 1608 | 0 | 0 | |
| 105 | C ELECTRO | C638W | CEXF1H479E | 50V RM 4.7MF (5X11) TP | 0 | 0 | |
| 106 | C ELECTRO | C639A/B/C/LR | CEXF1H479E | 50V RM 4.7MF (5X11) TP | 0 | 0 | |
| 107 | CONN WAFER | CN501 | 9CD6264300 | 52045-1145 | 0 | 0 | |
| 108 | CONN WAFER | CN502 | 9728809000 | 2.0MM 35237-1101 11P | 0 | 0 | |
| 109 | CONN WAFER | CN503 | 9728809100 | 2.0MM 35237-1801 18P | 0 | 0 | |
| 110 | CONN WAFER | CN504 | 9728811700 | 2.0MM PH-3A 3P | 0 | 0 | |
| 111 | CONN WAFER | CN505 | 9728810900 | 2.0MM PH-5A 5P | 0 | 0 | |
| 112 | DIODE SW CHIP | D501 | DZDS160--- | KDS160 | 0 | 0 | |
| 113 | DIODE SW CHIP | D502 | DZDS160--- | KDS160 | 0 | 0 | |
| 114 | DIODE SW CHIP | D505 | DZDS160--- | KDS160 | 0 | 0 | |
| 115 | DIODE SW CHIP | D506 | DZDS160--- | KDS160 | 0 | 0 | |
| 116 | DIODE SW CHIP | D507 | DZDS160--- | KDS160 | 0 | 0 | |
| 117 | DIODE SW CHIP | D509 | DZDS160--- | KDS160 | 0 | 0 | |
| 118 | DIODE ZENER | DZ501-502 | DZTZ7R5B- | MTZ 7.5B | 0 | 0 | |
| 119 | IC | IC501 | 1TORX178B- | TORX178B (OPTICAL RX) | 0 | 0 | |
| 120 | IC | IC502 | 1TOTX178A- | TOTX178A (OPTICAL TX) | 0 | 0 | |
| 121 | IC | IC503 | 74HCUD04- | 74HCUD04 (INVERTER) | 0 | 0 | |
| 122 | IC | IC504 | 1AK4112A- | AK4112A (DIR) | 0 | 0 | |
| 123 | IC REGULATOR | IC505 | 1AME1117BG | AME1117BCTG (SOT-223) | 0 | 0 | |
| 124 | IC | IC506 | 1CS49326- | CS49326 (DD DECODER) | 0 | 0 | |
| 125 | IC | IC507 | 174HC244- | 74HC244 (BUS DRIVER) | 0 | 0 | |
| 126 | IC | IC508 | 1CS4228A- | CS4228A (CODEC) | 0 | 0 | |
| 127 | IC REGULATOR | IC509 | 1AME1117CC | AME1117CCTG (TO-252) | 0 | 0 | |
| 128 | IC | IC510 | 1CS4341--- | CS4341 (DAC) | 0 | 0 | |
| 129 | IC CHIP | IC511-512 | 1NJM4558M- | NJM4558M | 0 | 0 | |
| 130 | IC | IC516-518 | 1NJM2068- | NJM2068 (OP AMP) | 0 | 0 | |
| 131 | IC CHIP | IC519-520 | 1NJM4558M- | NJM4558M | 0 | 0 | |
| 132 | IC | IC521 | 1BU4052BCF | BU4052 | 0 | 0 | |
| 133 | IC CHIP | IC523 | 1NJM4558M- | NJM4558M | 0 | 0 | |
| 134 | IC | IC524 | 1M62446FP- | M62446FP | 0 | 0 | |
| 135 | IC CHIP | IC525-527 | 1NJM4558M- | NJM4558M | 0 | 0 | |
| 136 | JACK RCA | JA501 | 9736324100 | JK010055HN | 0 | 0 | |
| 137 | COIL CHIP | LS01-502 | HLC479J03A | 4.7UH CHIP 2012 | 0 | 0 | |
| 138 | COIL CHIP | LS03 | HLC229J02A | 2.2UH CHIP 1608 | 0 | 0 | |
| 139 | COIL CHIP | LS04 | HLC104J01A | BEAD 120 OHM 100MHZ 2012 | 0 | 0 | |
| 140 | COIL CHIP | LS05 | HLC479J03A | 4.7UH CHIP 2012 | 0 | 0 | |
| 141 | COIL CHIP | LS06-507 | HLC104J01A | BEAD 120 OHM 100MHZ 2012 | 0 | 0 | |
| 142 | COIL CHIP | LS08LR | HLC104J01A | BEAD 120 OHM 100MHZ 2012 | 0 | 0 | |
| 143 | R CHIP | LS09LR | HRFT000-BA | 1/10 0 OHM 1608 | 0 | 0 | |
| 144 | COIL CHIP | LS10A/B/C/L/R/W | HLC104J01A | BEAD 120 OHM 100MHZ 2012 | 0 | 0 | |
| 145 | COIL CHIP | LS11-512 | HLC104J01A | BEAD 120 OHM 100MHZ 2012 | 0 | 0 | |
| 146 | TR CHIP | Q502 | TZRA102S-- | KRA102S (10X10)PNP | 0 | 0 | |
| 147 | TR CHIP | Q503LR | TZRC231S-- | KRC231S | 0 | 0 | |
| 148 | TR CHIP | Q505 | TZRA102S-- | KRA102S (10X10)PNP | 0 | 0 | |
| 149 | TR CHIP | Q506 | TZRC102S-- | KRC102S | 0 | 0 | |
| 150 | TR CHIP | Q507A/B/C/L/R/W | TZRC231S-- | KRC231S | 0 | 0 | |
| 151 | TR FET | Q508LR | TZSK117--- | 2SK117 | 0 | 0 | |
| 152 | TR CHIP | Q509 | TZRA102S-- | KRA102S (10X10)PNP | 0 | 0 | |
| 153 | TR CHIP | Q510 | TZRC102S-- | KRC102S | 0 | 0 | |
| 154 | TR CHIP | Q511 | TZRA102S-- | KRA102S (10X10)PNP | 0 | 0 | |
| 155 | TR CHIP | Q512-513 | TZRC231S-- | KRC231S | 0 | 0 | |
| 156 | R CHIP | R501 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 157 | R CHIP | R503 | HRFT221JBA | 1/10 220 OHM J 1608 | 0 | 0 | |
| 158 | R CHIP | R504 | HRFT750JBA | 1/10 75 OHM J 1608 | 0 | 0 | |
| 159 | R CHIP | R505 | HRFT101JBA | 1/10 100 OHM J 1608 | 0 | 0 | |
| 160 | R CHIP | R506 | HRFT222JBA | 1/10 2.2K OHM J 1608 | 0 | 0 | |
| 161 | R CHIP | R507 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 162 | R CHIP | R508 | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 163 | R CHIP | R509-513 | HRFT220JBA | 1/10W 22 OHM J 1608 | 0 | 0 | |

17. Electrical Parts List

DHC-X200/X250

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|-----|--------------|------------------------------------|------------------------------|----------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 164 | R CHIP | R514 | HRFT105JBA | 1/10 1M OHM J 1608 | 0 | 0 | |
| 165 | R CHIP | R515 | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 166 | R CHIP | R516 | HRFT220JBA | 1/10W 22 OHM J 1608 | 0 | 0 | |
| 167 | R CHIP | R517 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 168 | R CHIP | R518 | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 169 | R CHIP | R519-522 | HRFT220JBA | 1/10W 22 OHM J 1608 | 0 | 0 | |
| 170 | R CHIP | R524 | HRFT332JBA | 1/10 3.3K OHM J 1608 | 0 | 0 | |
| 171 | R CHIP | R525 | HRFT470JBA | 1/10 47 OHM J 1608 | 0 | 0 | |
| 172 | R CHIP | R526-528 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 173 | R CHIP | R529 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 174 | R CHIP | R531 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 175 | R CHIP | R532 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 176 | R CHIP | R533 | HRFT122JBA | 1/10 1.2K OHM J 1608 | 0 | 0 | |
| 177 | R CHIP | R534 | HRFT332JBA | 1/10 3.3K OHM J 1608 | 0 | 0 | |
| 178 | R CHIP | R535 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 179 | R CHIP | R536-537 | HRFT220JBA | 1/10W 22 OHM J 1608 | 0 | 0 | |
| 180 | R CHIP | R538 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 181 | R CHIP | R539 | HRFT470JBA | 1/10 47 OHM J 1608 | 0 | 0 | |
| 182 | R CHIP | R540 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 183 | R CHIP | R541 | HRFT223JBA | 1/10 22K OHM J 1608 | 0 | 0 | |
| 184 | R CHIP | R542LR | HRFT151JBA | 1/10 150 OHM J 1608 | 0 | 0 | |
| 185 | R CHIP | R543LR | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 186 | R CHIP | R544LR | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 187 | R CHIP | R545LR | HRFT561JBA | 1/10 560 OHM J 1608 | 0 | 0 | |
| 188 | R CHIP | R546LR | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 189 | R CHIP | R548LR | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 190 | R CHIP | R549LR | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 191 | R CHIP | R550LR | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 192 | R CHIP | R555LR | HRFT473JBA | 1/10 47K OHM J 1608 | 0 | 0 | |
| 193 | R CHIP | R556LR | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 194 | R CHIP | R557LR | HRFT471JBA | 1/10 470 OHM J 1608 | 0 | 0 | |
| 195 | R CHIP | R561 | HRFT474JBA | 1/10 470K OHM J 1608 | 0 | 0 | |
| 196 | R CHIP | R562 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 197 | R CHIP | R563A/B/C/L/R/W -566A/B/C/L/R/W | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 198 | R CHIP | R566A/B/C/L/R/W | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 199 | R CHIP | R567A/B/C/L/R/W | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 200 | R CHIP | R568A/B/C/L/R/W | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 201 | R CHIP | R569A/B/C/L/R/W | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 202 | R CHIP | R570LR/W | HRFT392JBA | 1/10 3.9K OHM J 1608 | 0 | 0 | |
| 203 | R CHIP | R571LR | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 204 | R CHIP | R571W | HRFT682JBA | 1/10 6.8K OHM J 1608 | 0 | 0 | |
| 205 | R CHIP | R572LR-573LR | HRFT153JBA | 1/10 15K OHM J 1608 | 0 | 0 | |
| 206 | R CHIP | R572W | HRFT562JBA | 1/10 5.6K OHM J 1608 | 0 | 0 | |
| 207 | R CHIP | R573W | HRFT822JBA | 1/10 8.2K OHM J 1608 | 0 | 0 | |
| 208 | R CHIP | R574LR/W | HRFT101JBA | 1/10 100 OHM J 1608 | 0 | 0 | |
| 209 | R CHIP | R575-576 | HRFT332JBA | 1/10 3.3K OHM J 1608 | 0 | 0 | |
| 210 | R CHIP | R577LR | HRFT622JBA | 1/10 6.2K OHM J 1608 | 0 | 0 | |
| 211 | R CHIP | R578 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 212 | R CHIP | R578LR | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 213 | R CHIP | R579 | HRFT222JBA | 1/10 2.2K OHM J 1608 | 0 | 0 | |
| 214 | R CHIP | R580LR | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 215 | R CHIP | R581 | HRFT473JBA | 1/10 47K OHM J 1608 | 0 | 0 | |
| 216 | R CHIP | R582LR | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 217 | R CHIP | R583LR | HRFT000-B | 1/10 0 OHM 1608 | 0 | 0 | |
| 218 | R CHIP | R584LR-585LR | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 219 | R CHIP | R586LR | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 220 | R CHIP | R587A/B/C/L/R/W | HRFT000-B | 1/10 0 OHM 1608 | 0 | 0 | |
| 221 | R CHIP | R588 | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 222 | R METAL FILM | R589 | RN-4Z221J- 1/4W 220 OHM J | 1/4W 220 OHM J | 0 | 0 | |
| 223 | R CHIP | R590 | HRFT751JBA | 1/10 750 OHM J 1608 | 0 | 0 | |
| 224 | R CHIP | R591-593 | HRFT101JBA | 1/10 100 OHM J 1608 | 0 | 0 | |
| 225 | R CHIP | R594 | HRFT152JBA | 1/10 1.5K OHM J 1608 | 0 | 0 | |
| 226 | R CHIP | R595LR | HRFT101JBA | 1/10 100 OHM J 1608 | 0 | 0 | |
| 227 | R CHIP | R596A/B/C/L/R/W | HRFT224JBA | 1/10 220K OHM J 1608 | 0 | 0 | |
| 228 | R METAL FILM | R597 | RN-4Z221J- 1/4W 220 OHM J | 1/4W 220 OHM J | 0 | 0 | |
| 229 | R CHIP | R598 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 230 | R CHIP | R598A/B/C/L/R/W | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 231 | R CHIP | R599 | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 232 | R CHIP | R599LR | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 233 | R CHIP | R600 | HRFT474JBA | 1/10 470K OHM J 1608 | 0 | 0 | |
| 234 | R CHIP | R601-602 | HRFT332JBA | 1/10 3.3K OHM J 1608 | 0 | 0 | |
| 235 | R CHIP | R601A/B/C/L/R/W | HRFT101JBA | 1/10 100 OHM J 1608 | 0 | 0 | |
| 236 | R CHIP | R602A/B/C/L/R/W | HRFT473JBA | 1/10 47K OHM J 1608 | 0 | 0 | |
| 237 | R CHIP | R603A/B/C/L/R/W | HRFT562JBA | 1/10 5.6K OHM J 1608 | 0 | 0 | |
| 238 | R CHIP | R603W | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 239 | R CHIP | R604A/B/C/L/R/W | HRFT392JBA | 1/10 3.9K OHM J 1608 | 0 | 0 | |
| 240 | R CHIP | R604W | HRFT751JBA | 1/10 750 OHM J 1608 | 0 | 0 | |
| 241 | R CHIP | R605A/B/C/L/R/W | HRFT104JBA | 1/10 100K OHM J 1608 | 0 | 0 | |
| 242 | R CHIP | R606A/B/C/L/R/W | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 243 | R CHIP | R607 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 244 | R CHIP | R608 | HRFT223JBA | 1/10 22K OHM J 1608 | 0 | 0 | |
| 245 | R CHIP | R608W | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 246 | R CHIP | R609 | HRFT122JBA | 1/10 1.2K OHM J 1608 | 0 | 0 | |
| 247 | R CHIP | R610 | HRFT000-BA | 1/10 0 OHM 1608 | 0 | 0 | |
| 248 | R CHIP | R611 | HRFT183JBA | 1/10 18K OHM J 1608 | 0 | 0 | |
| 249 | R CHIP | R612-619 | HRFT000-B | 1/10 0 OHM 1608 | 0 | 0 | |

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|-----|------------------|-----------|-------------|---------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 250 | R CHIP | R620-627 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 251 | X-TAL | X501 | 5XE12R288J | 12.288MHZ HC-49U | 0 | 0 | |
| 1 | PCB MPEGE AS | 14000 | 9CDC059100 | DV-115 | 0 | 0 | |
| 2 | PCB MPEGE | B001 | 9CD6584000 | 91X147 | 0 | 0 | |
| 3 | COIL BEAD | BD401-406 | 58C0000116 | HC-3550R | 0 | 0 | |
| 4 | C CHIP CERA | C401 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 5 | C CHIP CERA | C402-403 | HCBK220JBA | 50V CH 22PF J 1608 | 0 | 0 | |
| 6 | C CHIP CERA | C404 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 7 | C ELECTRO | C405 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 8 | C CHIP CERA | C406-407 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 9 | C ELECTRO | C408 | CEXF1H100E | 50V RM 10MF (5X11) TP | 0 | 0 | |
| 10 | C CHIP CERA | C409 | HCBK105KBA | 50V X7R 1MF K 1608 | 0 | 0 | |
| 11 | C CHIP CERA | C410-412 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 12 | C ELECTRO | C413 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 13 | C CHIP CERA | C414 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 14 | C ELECTRO | C415 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 15 | C CHIP CERA | C416 | HCBK102KBA | 50V X7R 1000PF K 1608 | 0 | 0 | |
| 16 | C CHIP CERA | C417 | HCBK473KBA | 50V X7R 0.047MF K 1608 | 0 | 0 | |
| 17 | C CHIP CERA | C418 | HCBK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 18 | C CHIP CERA | C419 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 19 | C CHIP CERA | C420 | HCBK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 20 | C CHIP CERA | C421-423 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 21 | C ELECTRO | C424 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 22 | C CHIP CERA | C425-429 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 23 | C ELECTRO | C430 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 24 | C CHIP CERA | C431-434 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 25 | C CHIP CERA | C437-441 | HCBK150JBA | 50V CH 15PF J 1608 | 0 | 0 | |
| 26 | C CHIP CERA | C442 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 27 | C ELECTRO | C443 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 28 | C CHIP CERA | C444-446 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 29 | C CHIP CERA | C447-458 | HCBK150JBA | 50V CH 15PF J 1608 | 0 | 0 | |
| 30 | C ELECTRO | C459 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 31 | C CHIP CERA | C460-461 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 32 | C ELECTRO | C462 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 33 | C CHIP CERA | C467 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 34 | C CHIP CERA | C468 | HCBK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 35 | C CHIP CERA | C469 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 36 | CLECTRO | C470 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | 0 | 0 | |
| 37 | C CHIP CERA | C473 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 38 | C ELECTRO | C474 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 39 | C CHIP CERA | C475-477 | HCBK104KBA | 50V X7R 0.1MF K 1608 | 0 | 0 | |
| 40 | C ELECTRO | C478 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | 0 | 0 | |
| 41 | C CHIP CERA | C479 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 42 | C CHIP CERA | C480 | HCBK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 43 | C CHIP CERA | C481 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 44 | CLECTRO | C482 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | 0 | 0 | |
| 45 | C CHIP CERA | C483 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 46 | C CHIP CERA | C484 | HCBK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 47 | C CHIP CERA | C485 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 48 | CLECTRO | C486 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | 0 | 0 | |
| 49 | C CHIP CERA | C487 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 50 | C CHIP CERA | C488 | HCBK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 51 | C CHIP CERA | C489 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 52 | CLECTRO | C490 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | 0 | 0 | |
| 53 | C CHIP CERA | C491 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 54 | C CHIP CERA | C492 | HCBK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 55 | C CHIP CERA | C493 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 56 | CLECTRO | C494 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | 0 | 0 | |
| 57 | C CHIP CERA | C495 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 58 | C CHIP CERA | C496 | HCBK330JBA | 50V CH 33PF J 1608 | 0 | 0 | |
| 59 | C CHIP CERA | C497 | HCBK221JBA | 50V CH 220PF J 1608 | 0 | 0 | |
| 60 | CLECTRO | C498 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | 0 | 0 | |
| 61 | IC MICOM | IC401 | 1C1610---- | C1610 | 0 | 0 | |
| 62 | IC DECODER | IC402 | 1ZR36710-- | ZR36710 DFP | 0 | 0 | |
| 63 | IC SDRAM | IC403 | 1HY57V1616 | HY57V1616 | 0 | 0 | |
| 64 | IC ROM | IC404-405 | 1A290021L- | A290021L | 0 | 0 | |
| 65 | IC SRAM | IC406 | 11561C1024 | 1561C1024L | 0 | 0 | |
| 66 | IC EEPROM | IC407 | 1XC24C02-- | XC24C02 | 0 | 0 | |
| 67 | IC RESET | IC408 | 1K1A7039AF | K1A7039AF | 0 | 0 | |
| 68 | IC ATAPI IF | IC409 | 1ZR36701-- | ZR36701P | 0 | 0 | |
| 69 | IC VIDEO ENCODER | IC410 | 1CS4955---- | CS4955 | 0 | 0 | |
| 70 | IC REGULATOR | IC411 | 1AME1117CC | AME1117CCCT (TO-252) | 0 | 0 | |
| 71 | JACK ATAPI | JK401 | 9736324700 | 40P ATAPI1 | 0 | 0 | |
| 72 | COIL CHIP | L401 | HLC279J03A | 2.7UH CHIP 3216 | 0 | 0 | |
| 73 | COIL CHIP | L402-407 | HLC189J02A | 1.8UH CHIP 3216 | 0 | 0 | |
| 74 | CONN WAFER | PN401 | 9728810700 | 2.0MM PH-114W 11P | 0 | 0 | |
| 75 | CONN WAFER | PN402 | 9728810800 | 2.0MM PH-4A 4P | 0 | 0 | |
| 76 | CONN AS | PN403 | 9728810100 | #24 P2.0 5P 120MM UL 1007 | 0 | 0 | |
| 77 | CABLE ATAPI | PN404 | 9728811100 | ATAPI CABLE 40P 250MM | 0 | 0 | |
| 78 | R CHIP | R401-402 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 79 | R CHIP | R404 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 80 | R CHIP | R405 | HRFT181JBA | 1/10 180 OHM J 1608 | 0 | 0 | |
| 81 | R CHIP | R406-411 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | 0 | |
| 82 | R CHIP | R412 | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | 0 | |
| 83 | R CHIP | R413-416 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | 0 | |
| 84 | R CHIP | R420 | HRFT1270JCA | 1/10 27 OHM J 2012 | 0 | 0 | |

17. Electrical Parts List

DHC-X200/X250

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|-----|----------------|------------|-------------------------|---------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 86 | R CHIP | R423 | HRFT472JBA | 1/10 4.7K OHM J 1608 | O | O | |
| 87 | R CHIP | R424 | HRFT330JBA | 1/10 33 OHM J 1608 | O | O | |
| 88 | R CHIP | R425 | HRFT220JBA | 1/10W 22 OHM J 1608 | O | O | |
| 89 | R CHIP | R426-427 | HRFT330JBA | 1/10 33 OHM J 1608 | O | O | |
| 90 | R CHIP | R428 | HRFT820JBA | 1/10 82 OHM J 1608 | O | O | |
| 91 | R CHIP | R429 | HRFT562JBA | 1/10 5.6K OHM J 1608 | O | O | |
| 92 | R CHIP | R430 | HRFT102JBA | 1/10 1K OHM J 1608 | O | O | |
| 93 | R CHIP | R431 | HRFT220JBA | 1/10W 22 OHM J 1608 | O | O | |
| 94 | R CHIP | R432 | HRFT102JBA | 1/10 1K OHM J 1608 | O | O | |
| 95 | R CHIP | R433-434 | HRFT220JBA | 1/10W 22 OHM J 1608 | O | O | |
| 96 | R CHIP | R435-436 | HRFT820JBA | 1/10 82 OHM J 1608 | O | O | |
| 97 | R CHIP | R437 | HRFT220JBA | 1/10W 22 OHM J 1608 | O | O | |
| 98 | R CHIP | R449 | HRFT101JBA | 1/10 100 OHM J 1608 | O | O | |
| 99 | R CHIP | R453-454 | HRFT470JBA | 1/10 4.7K OHM J 1608 | O | O | |
| 100 | R CHIP | R457 | HRFT000-BA | 1/10 0 OHM 1608 | O | O | |
| 101 | R CHIP | R458-461 | HRFT472JBA | 1/10 4.7K OHM J 1608 | O | O | |
| 102 | R CHIP | R469-471 | HRFT472JBA | 1/10 4.7K OHM J 1608 | O | O | |
| 103 | R CHIP | R472 | HRFT103JBA | 1/10 10K OHM J 1608 | O | O | |
| 104 | R CHIP | R473 | HRFT402FBA | 1/10 4.0K OHM F 1608(1%) | O | O | |
| 105 | R CHIP | R474-475 | HRFT101JBA | 1/10 100 OHM J 1608 | O | O | |
| 106 | R CHIP | R476-481 | HRFT750JBA | 1/10 75 OHM J 1608 | O | O | |
| 107 | R ARRAY | RA401-402 | MNR 14X0ABJ 470 (10KX4) | O | O | | |
| 108 | R ARRAY | RA403 | HRTT8X472J | MNR 14X0ABJ 470 (4.7KX4) | O | O | |
| 109 | R ARRAY | RA404-405 | HRTT8X181J | MNR 14X0ABJ 470 (180X4) | O | O | |
| 110 | R ARRAY | RA406-410 | HRTT8X220J | MNR 14X0ABJ 470 (22K4) | O | O | |
| 111 | X-TAL | X401 | 5XE16M000J | 16MHZ HC-49/U (RADIAL) | O | O | |
| 112 | X-TAL | X402 | 5XE27M000C | 27MHZ HC-49/U 20PPM 30PF | O | O | |
| 1 | PCB FRONT AS | 15000 | 9CDO059300 | DV-135 | O | | |
| 2 | GUIDE FLT | 10 | 9CD2506800 | MIPS GRAY | O | | |
| 3 | PCB FRONT | B001 | 9CD6584500 | 24X2329 | O | | |
| 4 | C CHIP CERA | C932-933 | HCBK103KBA | 50V X7R 0.01MF K 1608 | O | | |
| 5 | C CHIP CERA | C934-939 | HCOK101JBA | 50V CH 100PF J 1608 | O | | |
| 6 | C ELECTRO | C940 | CEXP1C470V | 16V REM 47MF | O | | |
| 7 | C CHIP CERA | C941 | HCBK473KBA | 50V X7R 0.047MF K 1608 | O | | |
| 8 | C CHIP CERA | C946-947 | HCOK101JBA | 50V CH 100PF J 1608 | O | | |
| 9 | C CHIP CERA | C948 | HCBK103KBA | 50V X7R 0.01MF K 1608 | O | | |
| 10 | C CHIP CERA | C949 | HCOK101JBA | 50V CH 100PF J 1608 | O | | |
| 11 | C CHIP CERA | C950 | HCBK103KBA | 50V X7R 0.01MF K 1608 | O | | |
| 12 | C ELECTRO | C951 | CEXP1H479V | 50V REM 4.7MF 4*5 | O | | |
| 13 | C DOUBLE LAYER | C952 | CDXC0H479A | 0.047F/5.5V 70UJA SRE | O | | |
| 14 | C ELECTRO | C953 | CEXP1C470V | 16V REM 47MF | O | | |
| 15 | C CHIP CERA | C954 | HCBK103KBA | 50V X7R 0.01MF K 1608 | O | | |
| 16 | C CHIP CERA | C955 | HCBK104KBA | 50V X7R 0.1MF K 1608 | O | | |
| 17 | C CHIP CERA | C957-959 | HCOK101JBA | 50V CH 100PF J 1608 | O | | |
| 18 | C CHIP CERA | C960 | HCBK473KBA | 50V X7R 0.047MF K 1608 | O | | |
| 19 | C ELECTRO | C961 | CEXP1H109V | 50V REM 1MF 4*5 | O | | |
| 20 | C CHIP CERA | C962 | HCBK104KBA | 50V X7R 0.1MF K 1608 | O | | |
| 21 | C ELECTRO | C963 | CEXP1H109V | 50V REM 1MF 4*5 | O | | |
| 22 | C CHIP CERA | C964 | HCBK473KBA | 50V X7R 0.047MF K 1608 | O | | |
| 23 | CONN AS | CN901 | 9728811200 | #26 P2.0 4P 160MM UL 1007 | O | | |
| 24 | CONN AS | CN903 | 9728809700 | #26 P2.0 7P 140MM UL 1007 | O | | |
| 25 | CONN AS | CN904 | 9728811300 | #26 P2.0 6P 170MM UL 1007 | O | | |
| 26 | CONN AS | CN906 | 9728811500 | #26 P2.0 3P 100MM UL 1007 | O | | |
| 27 | CONN FFC | CN911 | 9728809400 | FFC 1.25X27X360MM K | O | | |
| 28 | CONN FFC | CN912 | 9728809300 | FFC 1.25X11X230MM R | O | | |
| 29 | CONN WAFER | CP901 | 9CD6264000 | 52044-1145 | O | | |
| 30 | CONN WAFER | CP903 | 9CD6264200 | 52044-2745 | O | | |
| 31 | DIODE SW CHIP | D902 | DZDS160--- | KDS160 | O | | |
| 32 | DIODE ZENER | D903 | DZTZ3R38--- | MTZ 3.3V B | O | | |
| 33 | DIODE SW CHIP | D904 | DZDS160--- | KDS160 | O | | |
| 34 | DIODE | D905 | DZN4007--- | IN4007 | O | | |
| 35 | DIODE SW CHIP | D906 | DZDS160--- | KDS160 | O | | |
| 36 | DIODE ZENER | D908 | DZTZ6R88--- | MTZ6.88 | O | | |
| 37 | FL DISPLAY | FL901 | DHNA11MM37 | NHA-11MM37 | O | | |
| 38 | IC MICOM | IC904 | 1CXP82852- | CXP82852-329Q | O | | |
| 39 | IC RMC MODULE | IC905 | 1TM97CT38- | TM97CT38P | O | | |
| 40 | R CHIP | L903 | HRFT000-BA | 1/10 0 OHM 1608 | O | | |
| 41 | TR | O903 | TZTC3875-- | KTC3875 | O | | |
| 42 | TR CHIP | O904 | TZRC102S-- | KRC102S | O | | |
| 43 | R CHIP | R1001 | HRFT103JBA | 1/10 10K OHM J 1608 | O | | |
| 44 | R CHIP | R1002 | HRFT473JBA | 1/10 47K OHM J 1608 | O | | |
| 45 | R CHIP | R1003-1010 | HRFT103JBA | 1/10 10K OHM J 1608 | O | | |
| 46 | R CHIP | R1011-1013 | HRFT473JBA | 1/10 47K OHM J 1608 | O | | |
| 47 | R CHIP | R1014 | HRFT101JBA | 1/10 100 OHM J 1608 | O | | |
| 48 | R CHIP | R1015 | HRFT472JBA | 1/10 4.7K OHM J 1608 | O | | |
| 49 | R CHIP | R926-928 | HRFT473JBA | 1/10 47K OHM J 1608 | O | | |
| 50 | R CHIP | R929 | HRFT100JBA | 1/10 10 OHM J 1608 | O | | |
| 51 | R CHIP | R930 | HRFT104JBA | 1/10 100 OHM J 1608 | O | | |
| 52 | R CHIP | R931-933 | HRFT101JBA | 1/10 100 OHM J 1608 | O | | |
| 53 | R CHIP | R934-936 | HRFT220JBA | 1/10W 22 OHM J 1608 | O | | |
| 54 | R CHIP | R937-940 | HRFT101JBA | 1/10 100 OHM J 1608 | O | | |
| 55 | R CHIP | R941-942 | HRFT471JBA | 1/10 470 OHM J 1608 | O | | |
| 56 | R CHIP | R943 | HRFT473JBA | 1/10 47K OHM J 1608 | O | | |
| 57 | R CHIP | R944 | HRFT471JBA | 1/10 470 OHM J 1608 | O | | |
| 58 | R CHIP | R945-946 | HRFT473JBA | 1/10 47K OHM J 1608 | O | | |
| 59 | R CHIP | R947-948 | HRFT102JBA | 1/10 1K OHM J 1608 | O | | |
| 60 | R CHIP | R949-950 | HRFT472JBA | 1/10 4.7K OHM J 1608 | O | | |

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|----|----------------|------------|-------------|---------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 61 | R CHIP | R951 | HRFT103JBA | 1/10 10K OHM J 1608 | | | |
| 62 | R CHIP | R952 | HRFT224JBA | 1/10 220K OHM J 1608 | 0 | | |
| 63 | R CHIP | R953 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | | |
| 64 | R CHIP | R954 | HRFT680JBA | 1/10 68 OHM J 1608 | 0 | | |
| 65 | R CHIP | R955 | HRFT271JBA | 1/10 270 OHM J 1608 | 0 | | |
| 66 | R CHIP | R956-958 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | | |
| 67 | R CHIP | R960 | HRFT122JBA | 1/10 1.2K OHM J 1608 | 0 | | |
| 68 | R CHIP | R961-962 | HRFT152JBA | 1/10 1.5K OHM J 1608 | 0 | | |
| 69 | R CHIP | R963-964 | HRFT272JBA | 1/10 2.7K OHM J 1608 | 0 | | |
| 70 | R CHIP | R965 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | | |
| 71 | R CHIP | R968 | HRFT122JBA | 1/10 1.2K OHM J 1608 | 0 | | |
| 72 | R CHIP | R969-970 | HRFT152JBA | 1/10 1.5K OHM J 1608 | 0 | | |
| 73 | R CHIP | R971-972 | HRFT272JBA | 1/10 2.7K OHM J 1608 | 0 | | |
| 74 | R CHIP | R973 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | | |
| 75 | R CHIP | R974 | HRF822JBA | 1/10 8.2K OHM J 1608 | 0 | | |
| 76 | R CHIP | R975 | HRFT101JBA | 1/10 100 OHM J 1608 | 0 | | |
| 77 | R CHIP | R976 | HRFT122JBA | 1/10 1.2K OHM J 1608 | 0 | | |
| 78 | R CHIP | R977-978 | HRFT152JBA | 1/10 1.5K OHM J 1608 | 0 | | |
| 79 | R CHIP | R979-980 | HRFT272JBA | 1/10 2.7K OHM J 1608 | 0 | | |
| 80 | R CHIP | R981 | HRFT472JBA | 1/10 4.7K OHM J 1608 | 0 | | |
| 81 | R CHIP | R982 | HRFT822JBA | 1/10 8.2K OHM J 1608 | 0 | | |
| 82 | R CHIP | R983 | HRFT102JBA | 1/10 1K OHM J 1608 | 0 | | |
| 83 | R CHIP | R984 | HRFT000-BA | 1/10 0 OHM 1608 | 0 | | |
| 84 | R CHIP | R987 | HRFT103JBA | 1/10 10K OHM J 1608 | 0 | | |
| 85 | SW TACT | SW901-924 | 5S50101001 | KPT-1105A 1C-1P | 0 | | |
| 86 | VOL ENCODER | VR904 | 5SH1624368 | EC16B241040B | 0 | | |
| 87 | RESONATOR CERA | X901 | 5PCS210MTW | CS110.00MTW | 0 | | |
| 1 | PCB FRONT AS | 15000 | 9CDO059300 | DV-115 | | 0 | |
| 2 | GUIDE FLT | 10 | 9CD2506800 | MIPS GRAY | | 0 | |
| 3 | PCB FRONT | B001 | 9CD6583500 | 24X2329 | | 0 | |
| 4 | C CHIP CERA | C932-933 | HCBK103KBA | 50V X7R 0.01MF K 1608 | | 0 | |
| 5 | C CHIP CERA | C934-939 | HCOK101JBA | 50V CH 100PF J 1608 | | 0 | |
| 6 | C ELECTRO | C940 | CEXP1C470V | 16V REM 47MF | | 0 | |
| 7 | C CHIP CERA | C941 | HCBK473KBA | 50V X7R 0.047MF K 1608 | | 0 | |
| 8 | C CHIP CERA | C946-947 | HCOK101JBA | 50V CH 100PF J 1608 | | 0 | |
| 9 | C CHIP CERA | C948 | HCBK103KBA | 50V X7R 0.01MF K 1608 | | 0 | |
| 10 | C CHIP CERA | C949 | HCOK101JBA | 50V CH 100PF J 1608 | | 0 | |
| 11 | C CHIP CERA | C950 | HCBK103KBA | 50V X7R 0.01MF K 1608 | | 0 | |
| 12 | C ELECTRO | C951 | CEXP1H479V | 50V REM 4.7MF 4*5 | | 0 | |
| 13 | C DOUBLE LAYER | C952 | CDXC0H479A | 0.047F/5.5V 70UJA SRE | | 0 | |
| 14 | C ELECTRO | C953 | CEXP1C470V | 16V REM 47MF | | 0 | |
| 15 | C CHIP CERA | C954 | HCBK103KBA | 50V X7R 0.01MF K 1608 | | 0 | |
| 16 | C CHIP CERA | C955 | HCBK104KBA | 50V X7R 0.1MF K 1608 | | 0 | |
| 17 | C CHIP CERA | C957-959 | HCOK101JBA | 50V CH 100PF J 1608 | | 0 | |
| 18 | C CHIP CERA | C960 | HCBK473KBA | 50V X7R 0.047MF K 1608 | | 0 | |
| 19 | C ELECTRO | C961 | CEXP1H109V | 50V REM 1MF 4*5 | | 0 | |
| 20 | C CHIP CERA | C962 | HCBK104KBA | 50V X7R 0.1MF K 1608 | | 0 | |
| 21 | C ELECTRO | C963 | CEXP1H109V | 50V REM 1MF 4*5 | | 0 | |
| 22 | C CHIP CERA | C964 | HCBK473KBA | 50V X7R 0.047MF K 1608 | | 0 | |
| 23 | CONN AS | CN901 | 9728811200 | #26 P2.0 4P 160MM UL 1007 | | 0 | |
| 24 | CONN AS | CN903 | 9728809700 | #26 P2.0 7P 140MM UL 1007 | | 0 | |
| 25 | CONN AS | CN904 | 9728811300 | #26 P2.0 6P 170MM UL 1007 | | 0 | |
| 26 | CONN AS | CN906 | 9728811500 | #26 P2.0 3P 100MM UL 1007 | | 0 | |
| 27 | CONN FFC | CN911 | 9728809400 | FFC 1.25X27X360MM K | | 0 | |
| 28 | CONN FFC | CN912 | 9728809300 | FFC 1.25X11X230MM R | | 0 | |
| 29 | CONN WAFER | CP901 | 9CD6264000 | 52044-1145 | | 0 | |
| 30 | CONN WAFER | CP903 | 9CD6264200 | 52044-2745 | | 0 | |
| 31 | DIODE | D902 | DZN4148--- | 1N4148 AUTO 52MM | | 0 | |
| 32 | DIODE ZENER | D903 | DZTZ3R38--- | MTZ 3.3V B | | 0 | |
| 33 | DIODE | D904 | DZN4148--- | 1N4148 AUTO 52MM | | 0 | |
| 34 | DIODE | D905 | DZN4007--- | 1N4007 | | 0 | |
| 35 | DIODE | D906 | DZN4148--- | 1N4148 AUTO 52MM | | 0 | |
| 36 | DIODE ZENER | D908 | DZTZ6R88--- | MTZ6.88 | | 0 | |
| 37 | FL DISPLAY | FL901 | DHNA11MM37 | NHA-11MM37 | | 0 | |
| 38 | IC MICOM | IC904 | 1CXP82852- | CXP82852-329Q | | 0 | |
| 39 | IC RMC MODULE | IC905 | 1TM97CT38- | TM97CT38P | | 0 | |
| 40 | R CHIP | L901-903 | HRFT000-BA | 1/10 0 OHM 1608 | | 0 | |
| 41 | TR | O903 | TZTC3875-- | KTC3875 | | 0 | |
| 42 | TR CHIP | O904 | TZRC102S-- | KRC102S | | 0 | |
| 43 | R CHIP | R1-37 | HRFT104JBA | 1/10 100K OHM J 1608 | | 0 | |
| 44 | R CHIP | R1001 | HRFT103JBA | 1/10 10K OHM J 1608 | | 0 | |
| 45 | R CHIP | R1002 | HRFT473JBA | 1/10 47K OHM J 1608 | | 0 | |
| 46 | R CHIP | R1003-1010 | HRFT103JBA | 1/10 10K OHM J 1608 | | 0 | |
| 47 | R CHIP | R1011-1013 | HRFT473JBA | 1/10 47K OHM J 1608 | | 0 | |
| 48 | R CHIP | R1014 | HRFT101JBA | 1/10 100 OHM J 1608 | | 0 | |
| 49 | R CHIP | R1015 | HRFT472JBA | 1/10 4.7K OHM J 1608 | | 0 | |
| 50 | R CHIP | R926-928 | HRFT473JBA | 1/10 47K OHM J 1608 | | 0 | |
| 51 | R CHIP | R929 | HRFT100JBA | 1/10 10 OHM J 1608 | | 0 | |
| 52 | R CHIP | R930 | HRFT104JBA | 1/10 100K OHM J 1608 | | 0 | |
| 53 | R CHIP | R931-933 | HRFT101JBA | 1/10 100 OHM J 1608 | | 0 | |
| 54 | R CHIP | R934-936 | HRFT220JBA | 1/10W 22 OHM J 1608 | | 0 | |
| 55 | R CHIP | R937-940 | HRFT101JBA | 1/10 100 OHM J 1608 | | 0 | |
| 56 | R CHIP | R941-942 | HRFT471JBA | 1/10 470 OHM J 1608 | | 0 | |
| 57 | R CHIP | R943 | HRFT473JBA | 1/10 47K OHM J 1608 | | 0 | |
| 58 | R CHIP | R944 | HRFT471JBA | 1/10 470 OHM J 1608 | | 0 | |
| 59 | R CHIP | R945-946 | HRFT473JBA | 1/10 47K OHM J 1608 | | 0 | |
| 60 | R CHIP | R947-948 | HRFT102JBA | 1/10 1K OHM J 1608 | | 0 | |

17. Electrical Parts List

DHC-X200/X250

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|----|----------------|-----------|------------|---------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 61 | R CHIP | R949-950 | HRFT472JBA | 1/10 4.7K OHM J 1608 | | O | |
| 62 | R CHIP | R951 | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 63 | R CHIP | R952 | HRFT224JBA | 1/10 220K OHM J 1608 | | O | |
| 64 | R CHIP | R953 | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 65 | R CHIP | R954 | HRFT680JBA | 1/10 68 OHM J 1608 | | O | |
| 66 | R CHIP | R955 | HRFT271JBA | 1/10 270 OHM J 1608 | | O | |
| 67 | R CHIP | R956-958 | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 68 | R CHIP | R960 | HRFT122JBA | 1/10 1.2K OHM J 1608 | | O | |
| 69 | R CHIP | R961-962 | HRFT152JBA | 1/10 1.5K OHM J 1608 | | O | |
| 70 | R CHIP | R963-964 | HRFT272JBA | 1/10 2.7K OHM J 1608 | | O | |
| 71 | R CHIP | R965 | HRFT472JBA | 1/10 4.7K OHM J 1608 | | O | |
| 72 | R CHIP | R968 | HRFT122JBA | 1/10 1.2K OHM J 1608 | | O | |
| 73 | R CHIP | R969-970 | HRFT152JBA | 1/10 1.5K OHM J 1608 | | O | |
| 74 | R CHIP | R971-972 | HRFT272JBA | 1/10 2.7K OHM J 1608 | | O | |
| 75 | R CHIP | R973 | HRFT472JBA | 1/10 4.7K OHM J 1608 | | O | |
| 76 | R CHIP | R974 | HRFT822JBA | 1/10 8.2K OHM J 1608 | | O | |
| 77 | R CHIP | R975 | HRFT101JBA | 1/10 100 OHM J 1608 | | O | |
| 78 | R CHIP | R976 | HRFT122JBA | 1/10 1.2K OHM J 1608 | | O | |
| 79 | R CHIP | R977-978 | HRFT152JBA | 1/10 1.5K OHM J 1608 | | O | |
| 80 | R CHIP | R979-980 | HRFT272JBA | 1/10 2.7K OHM J 1608 | | O | |
| 81 | R CHIP | R981 | HRFT472JBA | 1/10 4.7K OHM J 1608 | | O | |
| 82 | R CHIP | R982 | HRFT822JBA | 1/10 8.2K OHM J 1608 | | O | |
| 83 | R CHIP | R983 | HRFT102JBA | 1/10 1K OHM J 1608 | | O | |
| 84 | R CHIP | R984 | HRFT000-BA | 1/10 0 OHM 1608 | | O | |
| 85 | R CHIP | R987 | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 86 | SW TACT | SW901-924 | 5S50101001 | KPT-1105A 1C-1P | | O | |
| 87 | VOL ENCODER | VR904 | 5SH1624368 | EC16B241040B | | O | |
| 88 | RESONATOR CERA | X901 | 5PCS10MTW | CS110.00MTW | | O | |
| 1 | PCB MIC AS | 16000 | 9CDC0595A0 | DV-135 | | O | |
| 2 | PCB MIC | B001 | 9CD6585300 | 242X329 | | O | |
| 3 | C ELECTRO | C901 | CEXF1H479E | 50V RM 4.7MF (5X11) TP | | O | |
| 4 | C CHIP CERA | C902 | HCOK101JBA | 50V CH 100PF J 1608 | | O | |
| 5 | C ELECTRO | C903 | CEXF1H220E | 50V RM 22MF (5X11) TP | | O | |
| 6 | C CHIP CERA | C904 | HCOK221JBA | 50V CH 220PF J 1608 | | O | |
| 7 | C ELECTRO | C905 | CEXF1H479E | 50V RM 4.7MF (5X11) TP | | O | |
| 8 | C CHIP CERA | C906 | HCBK102KBA | 50V X7R 1000PF K 1608 | | O | |
| 9 | C ELECTRO | C907 | CEXF1H100E | 50V RM 10MF (5X11) TP | | O | |
| 10 | C CHIP CERA | C908 | HCBK472KBA | 50V X7R 4700PF K 1608 | | O | |
| 11 | C ELECTRO | C909 | CEXF1H339E | 50V RM 3.3MF (5X11) TP | | O | |
| 12 | C CHIP CERA | C910 | HCOK561JBA | 50V CH 560PF J 1608 | | O | |
| 13 | C CHIP CERA | C911 | HCBK563KBA | 50V X7R 0.056MF K 1608 | | O | |
| 14 | C ELECTRO | C912 | CEXF1H100E | 50V RM 10MF (5X11) TP | | O | |
| 15 | C CHIP CERA | C913 | HCBK392KBA | 50V X7R 3900PF K 1608 | | O | |
| 16 | C CHIP CERA | C914 | HCBK563KBA | 50V X7R 0.056MF K 1608 | | O | |
| 17 | C CHIP CERA | C915 | HCOK561JBA | 50V CH 560PF J 1608 | | O | |
| 18 | C CHIP CERA | C916-917 | HCBK472KBA | 50V X7R 4700PF K 1608 | | O | |
| 19 | C ELECTRO | C918 | CEXF1H220E | 50V RM 22MF (5X11) TP | | O | |
| 20 | C CHIP CERA | C919 | HCOK221JBA | 50V CH 220PF J 1608 | | O | |
| 21 | CLECTRO | C920 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | | O | |
| 22 | C CHIP CERA | C921-923 | HCBK104KBA | 50V X7R 0.1MF K 1608 | | O | |
| 23 | C ELECTRO | C924 | CEXF1E101E | 25V RM 100MF (6.3X11) TP | | O | |
| 24 | C ELECTRO | C925 | CEXF1H100E | 50V RM 10MF (5X11) TP | | O | |
| 25 | CLECTRO | C926 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | | O | |
| 26 | C CHIP CERA | C927 | HCBK103KBA | 50V X7R 0.01MF K 1608 | | O | |
| 27 | CLECTRO | C928 | CEXF1C221E | RM 16V 220MF 6.3X11 TAT | | O | |
| 28 | C CHIP CERA | C929 | HCBK103KBA | 50V X7R 0.01MF K 1608 | | O | |
| 29 | C CHIP CERA | C930LR | HCBK102KBA | 50V X7R 1000PF K 1608 | | O | |
| 30 | C ELECTRO | C931LR | CEXF1H479E | 50V RM 4.7MF (5X11) TP | | O | |
| 31 | C ELECTRO | C967 | CEXF1H108E | 50V RM 0.1MF (5X11) TP | | O | |
| 32 | C ELECTRO | C968LR | CEXF1H100E | 50V RM 10MF (5X11) TP | | O | |
| 33 | C CHIP CERA | C969 | HCBK103KBA | 50V X7R 0.01MF K 1608 | | O | |
| 34 | CONN AS | CN905 | 9728811400 | P2.0 3P 270MM SHIELD | | O | |
| 35 | CONN AS | CN907 | 9728809500 | #26 P2.0 8P 180MM UL 1007 | | O | |
| 36 | CONN WAFER | CP904 | 9728808600 | 2.0MM PH-6AW 6P | | O | |
| 37 | DIODE ZENER | D901 | DZT75R6B-- | U2-5.6B | | O | |
| 38 | IC CHIP | IC901 | 1NJM4558M- | NJM4558M | | O | |
| 39 | IC | IC902 | 1ES56033-- | ES56033 | | O | |
| 40 | IC CHIP | IC903 | 1NJM4558M- | NJM4558M | | O | |
| 41 | JACK MIC | JA901 | 9736324200 | H20480060S | | O | |
| 42 | COIL CHIP | L914-915 | HLC104J01A | BEAD 120 OHM 100MHZ 2012 | | O | |
| 43 | TR | Q901 | TZTC3200GR | KTC3200GR (AUTO)(2240GR) | | O | |
| 44 | TR CHIP | Q905LR | TZRC231S-- | KRC231S | | O | |
| 45 | TR CHIP | Q906 | TZRA102S-- | KRA102S (10X10)PNP | | O | |
| 46 | TR CHIP | Q907 | TZRC104S-- | KRC104S | | O | |
| 47 | R CHIP | R901 | HRFT561JBA | 1/10 560 OHM J 1608 | | O | |
| 48 | R CHIP | R902 | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 49 | R CHIP | R903 | HRFT473JBA | 1/10 47K OHM J 1608 | | O | |
| 50 | R CHIP | R904 | HRFT561JBA | 1/10 560 OHM J 1608 | | O | |
| 51 | R CHIP | R905 | HRFT563JBA | 1/10 56K OHM J 1608 | | O | |
| 52 | R CHIP | R906 | HRFT392JBA | 1/10 3.9K OHM J 1608 | | O | |
| 53 | R CHIP | R908 | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 54 | R CHIP | R909 | HRFT123JBA | 1/10 12K OHM J 1608 | | O | |
| 55 | R CHIP | R910 | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 56 | R CHIP | R911-912 | HRFT153JBA | 1/10 15K OHM J 1608 | | O | |
| 57 | R CHIP | R913 | HRFT123JBA | 1/10 12K OHM J 1608 | | O | |
| 58 | R CHIP | R914 | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 59 | R CHIP | R915 | HRFT153JBA | 1/10 15K OHM J 1608 | | O | |
| 60 | R CHIP | R916 | HRFT562JBA | 1/10 5.6K OHM J 1608 | | O | |
| 61 | R CHIP | R917 | HRFT123JBA | 1/10 12K OHM J 1608 | | O | |
| 62 | R CHIP | R919 | HRFT183JBA | 1/10 18K OHM J 1608 | | O | |
| 63 | R CHIP | R920 | HRFT221JBA | 1/10 220 OHM J 1608 | | O | |
| 64 | R CARBON FILM | R921 | RD-42331J- | 1/4 330 OHM J | | O | |
| 65 | R CHIP | R922 | HRFT000-BA | 1/10 0 OHM 1608 | | O | |
| 66 | R CHIP | R923LR | HRFT472JBA | 1/10 4.7K OHM J 1608 | | O | |
| 67 | R CHIP | R924LR | HRFT103JBA | 1/10 10K OHM J 1608 | | O | |
| 68 | R CHIP | R925LR | HRFT472JBA | 1/10 4.7K OHM J 1608 | | O | |
| 69 | R CHIP | R966 | HRFT104JBA | 1/10 100K OHM J 1608 | | O | |
| 70 | R CHIP | R983LR | HRFT104JBA | 1/10 100K OHM J 1608 | | O | |
| 71 | R CHIP | R984LR | HRFT223JBA | 1/10 22K OHM J 1608 | | O | |
| 72 | R CHIP | R985 | HRFT102JBA | 1/10 1K OHM J 1608 | | O | |

17. Electrical Parts List

DHC-X200/X250

| NO | PART-NAME | LOCATION | PART-CODE | PART-DESC | MODEL | | REMARKS |
|----|-----------------|----------|------------|--------------------------|----------|----------|---------|
| | | | | | DHC-X200 | DHC-X250 | |
| 73 | R CHIP | R986 | HRFT474JBA | 1/10 470K OHM J 1608 | | O | |
| 74 | VR ROTARY | VR901 | 5V1503727B | RK09K1110303 50KB | | O | |
| 75 | VR ROTARY | VR903 | 5V1503727B | RK09K1110303 50KB | | O | |
| 1 | PCB POWER SW AS | 19000 | 9CDC0595D0 | DV-135 | O | | |
| 2 | PCB POWER SW | B001 | 9CD6584503 | 242X329 | O | | |
| 3 | C CERA AC | C991 | CH18FE472M | AC400V 4700PF M U/C/V | O | | |
| 4 | CONN WAFER | CP993 | 9728808200 | VH-3A (W/O CENTER,RED) | O | | |
| 5 | SW POWER SPST | S991 | 5S40101369 | SDDL-005-S PUSH | O | | |
| 1 | PCB POWER SW AS | 19000 | 9CDC0593D0 | DV-115 | | O | |
| 2 | PCB POWER SW | B001 | 9CD6583505 | 242X329 | | O | |
| 3 | C CERA AC | C991 | CH18FE472M | AC400V 4700PF M U/C/V | | O | |
| 4 | CONN WAFER | CP993 | 9728808200 | VH-3A (W/O CENTER,RED) | | O | |
| 5 | SW POWER SPST | S991 | 5S40101369 | SDDL-005-S PUSH | | O | |
| 1 | PCB HIP AS | 17000 | 9CDC0595B0 | DV-135 | O | | |
| 2 | PCB HIP | B001 | 9CD6584501 | 242X329 | O | | |
| 3 | C CHIP CERA | C992 | HCBK103KBA | 50V X7R 0.01MF K 1608 | O | | |
| 4 | C CHIP CERA | C993-994 | HCBK102KBA | 50V X7R 1000PF K 1608 | O | | |
| 5 | CONN WAFER | CP902 | 9728808800 | 2.0MM PH-3AW 3P | O | | |
| 6 | CONN WAFER | CP992 | 9728808900 | 2.0MM PH-7A 7P | O | | |
| 7 | COIL CHIP | L911-912 | HLC104J01A | BEAD 120 OHM 100MHZ 2012 | O | | |
| 8 | COIL CHIP | L916 | HLC104J01A | BEAD 120 OHM 100MHZ 2012 | O | | |
| 9 | JACK HEADPHONE | PH991 | 9766319502 | HTJ-064-05B GOLD | O | | |
| 1 | PCB HIP AS | 17000 | 9CDC0593B0 | DV-115 | | O | |
| 2 | PCB HIP | B001 | 9CD6583502 | 242X329 | | O | |
| 3 | C CHIP CERA | C992 | HCBK103KBA | 50V X7R 0.01MF K 1608 | | O | |
| 4 | C CHIP CERA | C993-994 | HCBK102KBA | 50V X7R 1000PF K 1608 | | O | |
| 5 | CONN WAFER | CP902 | 9728808800 | 2.0MM PH-3AW 3P | | O | |
| 6 | CONN WAFER | CP992 | 9728808900 | 2.0MM PH-7A 7P | | O | |
| 7 | DIODE SW CHIP | D911-912 | DZDS160--- | KDS160 | | O | |
| 8 | JACK HEADPHONE | PH991 | 9766319502 | HTJ-064-05B GOLD | | O | |
| 1 | PCB KEY SW AS | 18000 | 9CDC0595C0 | DV-135 | O | | |
| 2 | PCB KEY SW | B001 | 9CD6584502 | 242X329 | O | | |
| 3 | CONN WAFER | CP906 | 9728808800 | 2.0MM PH-3AW 3P | O | | |
| 4 | LED | D907 | DLTL16KEE- | LTL-16KEE(RED)PI3.1 | O | | |
| 5 | SW TACT | SW907 | 5S50101001 | KPT-1105A 1C-1P | O | | |
| 1 | PCB KEY SW AS | 18000 | 9CDC0593C0 | DV-115 | | O | |
| 2 | PCB KEY SW | B001 | 9CD6583503 | 242X329 | | O | |
| 3 | CONN WAFER | CP906 | 9728808800 | 2.0MM PH-3AW 3P | | O | |
| 4 | LED | D907 | DLTL16KEE- | LTL-16KEE(RED)PI3.1 | | O | |
| 5 | SW TACT | SW907 | 5S50101001 | KPT-1105A 1C-1P | | O | |

17. Electrical Parts List(Optional List)

TUNER Option List

| NO | VERSION | PCB | TUNER STEP(FM/AM) | FM BAND | AM BAND | R987 | R988 | VOLTAGE |
|----|------------------|-------|-------------------|------------|------------|------|------|---------|
| 1 | USA | FRONT | 100KHz / 10KHz | 87.5 - 108 | 530 - 1710 | OPEN | 10K | 0 V |
| 2 | KOREA, Australia | FRONT | 100KHz / 9KHz | 87.5 - 108 | 522 - 1620 | 10K | 2.4K | 1 V |
| 3 | KOREA, Australia | FRONT | 50KHz / 9KHz | 87.5 - 108 | 522 - 1620 | 10K | 6.8K | 2 V |
| 4 | JAPAN | FRONT | 100KHz / 9KHz | 76.0 - 108 | 522 - 1620 | 6.8K | 10K | 3 V |
| 5 | EUROPE(W/O RDS) | FRONT | 50KHz / 9KHz | 87.5 - 108 | 522 - 1620 | 2.4K | 10K | 4 V |
| 6 | EUROPE(W RDS) | FRONT | 50KHz / 9KHz | 87.5 - 108 | 522 - 1620 | 10K | OPEN | 5 V |

SCART Option List

| NO | PCB | LOC | COMPONENT | | | SCART | | | REMARK |
|----|------|-------|------------|--------------|-------------|------------|--------------|---------------|-----------|
| | | | S/N | NAME | DESCRIPTION | S/N | NAME | DESCRIPTION | |
| 1 | ASSY | 11000 | 9CDC0604A0 | PCB VIDEO AS | DV-112 | 9CDC0604B0 | PCB SCART AS | DV-112 | |
| 2 | | B001 | 9CD6585401 | PCB VIDEO | 330x247 | 9CD6586200 | PCB SCART | 163x139x1.6T | Q'ty: 0.5 |
| 3 | | CE457 | X | X | X | CEYF1C471V | C ELECTRO | 16V RSS 470MF | ADD |
| 4 | | D456 | X | X | X | DZN4148--- | DIODE | 1N4148 | ADD |
| 5 | | D457 | X | X | X | DZN4148--- | DIODE | 1N4148 | ADD |
| 6 | | DZ401 | X | X | X | DZTZ5R6B- | DIODE ZENER | 5.6V B | ADD |
| 7 | | DZ402 | X | X | X | DZTZ5R6B- | DIODE ZENER | 5.6V B | ADD |
| 8 | | DZ403 | X | X | X | DZTZ5R6B- | DIODE ZENER | 5.6V B | ADD |
| 9 | | DZ404 | X | X | X | DZTZ5R6B- | DIODE ZENER | 5.6V B | ADD |
| 10 | | J454 | 9736323900 | JACK RCA | JE031645G | X | X | X | |
| 11 | | J455 | X | X | X | 9736324800 | JACK SCART | 21P | ADD |
| 12 | | JW401 | W581GY1505 | WIRE JUMP | 15MM | W581GY7595 | WIRE JUMP | 7.5MM | |
| 13 | | JW405 | W581GY1505 | WIRE JUMP | 15MM | W581GY7595 | WIRE JUMP | 7.5MM | |
| 14 | | JW407 | W581GY7595 | WIRE JUMP | 7.5MM | W581GY12J5 | WIRE JUMP | 12.5MM | |
| 15 | | JW408 | W581GY12J5 | WIRE JUMP | 12.5MM | W581GY7595 | WIRE JUMP | 7.5MM | |
| 16 | | JW409 | W581GY1005 | WIRE JUMP | 10MM | W581GY7595 | WIRE JUMP | 7.5MM | |
| 17 | | JW410 | W581GY7595 | WIRE JUMP | 7.5MM | W581GY6095 | WIRE JUMP | 6MM | |
| 18 | | JW412 | W581GY1505 | WIRE JUMP | 15MM | X | X | X | |
| 19 | | R464 | X | X | X | RD-AZ680J- | R CARBON | 68 OHM | ADD |
| 20 | | R465 | X | X | X | RD-AZ391J- | R CARBON | 390 OHM | ADD |
| 21 | | Q455 | X | X | X | TKRA107M-- | TR | KRA107M | ADD |
| 22 | | Q456 | X | X | X | TKRC107M-- | TR | KRC107M | ADD |
| 23 | | Q457 | X | X | X | TZTC3199Y- | TR | KTC-3199Y | ADD |

17. Electrical Parts List(Optional)

Karaoke Option List

| NO | PCB | LOC | W KARAOKE | | | W/O KARAOKE | | | REMARK |
|----|-------|-------|------------|------------|---------------|-------------|---------|---------------|--------|
| | | | S/N | NAME | DESCRIPTION | S/N | NAME | DESCRIPTION | |
| 1 | | 16000 | 9CDC0595A0 | PCB MIC AS | DV-135 | X | X | X | |
| | | 16000 | 9CDC0593A0 | PCB MIC AS | DV-115 | X | X | X | |
| 2 | MAIN | CW404 | 9728808700 | WAFER | 2.0MM PH-08A | X | X | X | |
| 3 | MAIN | CW404 | X | X | X | 9728812000 | WAFER | 2.0MM PH-04A | |
| 4 | FRONT | CN904 | 9728811300 | CONN AS | P2.0 6P 170MM | 9728811900 | CONN AS | P2.0 4P 170MM | |
| 3 | DSP | R585L | HRFT472JBA | R CHIP | 4.7K OHM | X | X | X | |
| 4 | DSP | R585R | HRFT472JBA | R CHIP | 4.7K OHM | X | X | X | |

RDS Option List

| NO | PCB | LOCATION | S/N | NAME | DESCRIPTION | W RDS | W/O RDS | REMARK |
|----|-------|----------|------------|--------------|---------------------|-------|---------|--------|
| 1 | FRONT | R987 | HRFT103JBA | R CHIP | 1/10 10K OHM | O | X | |
| 2 | BACK | TU001 | 9737650201 | TUNER MODULE | KST-MB114MA1-0 | O | X | |
| 3 | BACK | CN913 | 9728809200 | FFC | FFC 1.25X17X110MM K | O | X | |
| 4 | MAIN | CW401 | 9CD6263900 | FFC WAFER | 52045-1745 | O | X | |
| 5 | BACK | TU001 | 9737650301 | TUNER MODULE | KST-MB011MA1-0 | X | O | |
| 6 | BACK | CN913 | 9728811600 | FFC | FFC 1.25X15X110MM K | X | O | |
| 7 | MAIN | CW401 | 9CD6264100 | FFC WAFER | 52045-1545 | X | O | |

CE vs UL Option List

| NO | PCB | LOC | EUROPE(RDS) | | | AMERICA | | | REMARK |
|----|-------|-------|-------------|--------------|------------------|------------|---------------|----------------------|--------------------------------|
| | | | S/N | NAME | DESCRIPTION | S/N | NAME | DESCRIPTION | |
| 1 | BACK | AC901 | 9736908600 | CORD AC | KE-25 H03V/VH2-F | 9736908700 | CORD AC | KE-01P NSPT-2 | |
| 2 | MAIN | R901 | X | X | X | RD-2Y475J- | R CARBON FILM | 1/2W 4.7M OHM | Protect the falling of thunder |
| 3 | MAIN | Q902 | X | X | X | TKRC107M-- | TR | KRC107M | Protect overvoltage |
| 4 | MAIN | DZ903 | X | X | X | DZTZ15B--- | DIODE ZENER | MTZ 15V B | Protect overvoltage |
| 16 | MAIN | F901 | 5FSGB2022L | FUSE | SEMKO 250V 2A TL | 5F1GB3122L | FUSE | UL/CSA TL 250V 3.15A | |
| 18 | MAIN | CW401 | 9CD6263900 | WAFER | 52045-1745 | 9CD6264100 | WAFER | 52045-1545 | TUNER |
| 19 | MAIN | PT901 | 5TP8028855 | P/T SUB | 28X12 8.5V 150mA | 5TP1028856 | P/T SUB | 28X12 8.5V 150mA | |
| 20 | BOT | PT902 | 5TP8086859 | P/T MAIN | 86X50 230V/50Hz | 5TP1086860 | P/T MAIN | 86X50 127V/60Hz | |
| 21 | FRONT | R987 | HRFT103JBA | R CHIP | 1/10 10K OHM J | X | X | X | TUNER |
| 22 | FRONT | R988 | X | X | X | HRFT103JBA | R CHIP | 1/10 10K OHM J | TUNER |
| 23 | BACK | TU001 | 9737650201 | TUNER MODULE | KST-MB114MA1-0 | 9737650101 | TUNER MODULE | KST-MB011MA0-0 | TUNER |
| 24 | BACK | CN913 | 9728809200 | FFC | 1.25X17X110MM K | 9728811600 | FFC | 1.25X15X110MM K | TUNER |