

SERVICE MANUAL

MODEL
SDP1910

CAUTION : Before servicing this chassis, read the "PRODUCT SAFETY SERVICE FOR VIDEO PRODUCTS" section on page 2 of this manual.

DVD and CD PLAYER

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LASER BEAM CAUTION LABEL

- レンズには絶対に触れないでください。
- DO NOT TOUCH THE LENS.
- LINSE NICHT BRÜHREN.
- NE PAS TOUCHER LA LENTILLE.

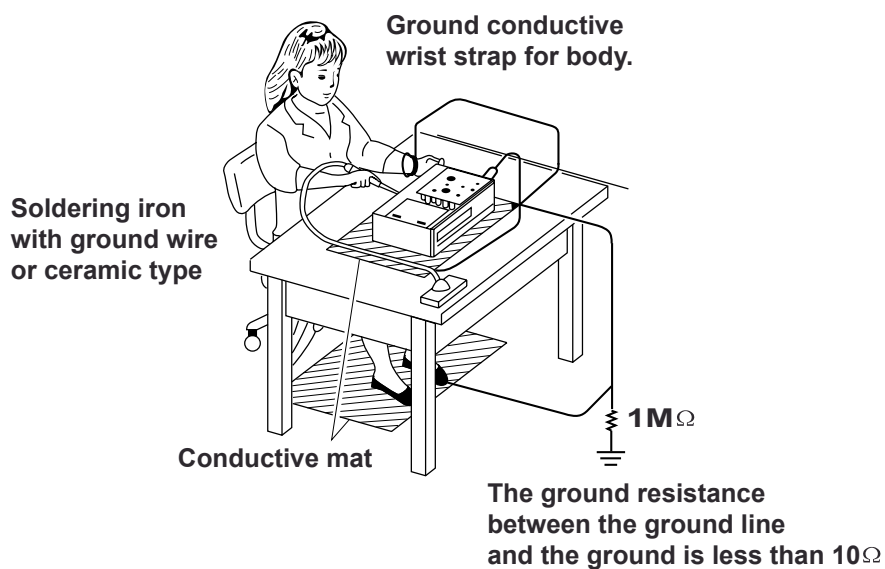
When the power supply is being turned on, you may not remove this laser cautions label. If it removes, radiation of laser may be received.

PREPARATION OF SERVICING

Pickup Head consists of a laser diode that is very susceptible to external static electricity.

Although it operates properly after replacement, if it was subject to electrostatic discharge during replacement, its life might be shortened. When replacing, use a conductive mat, soldering iron with ground wire, etc. to protect the laser diode from damage by static electricity.

And also, the LSI and IC are same as above.



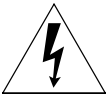
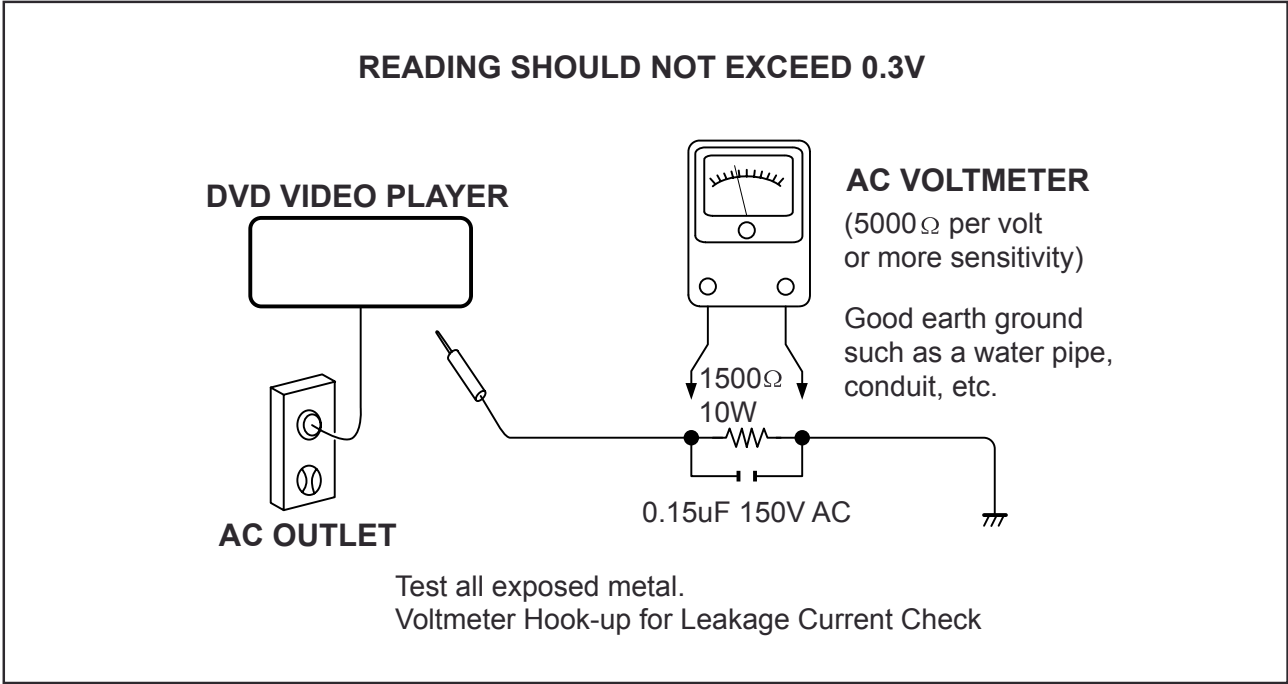
SAFTY NOTICE

SAFTY PRECAUTIONS

LEAKAGE CURRENT CHECK

Plug the AC line cord directly into a 120V AC outlet (do not use an isolation transformer for this check). Use an AC voltmeter, having 5000Ω per volt or more sensitivity. Connect a 1500Ω 10W resistor,paralleled by a 0.15uF 150V AC capacitor between a knomn good earth ground (water pipe, conduit, etc.) and all exposed metal parts of cabinet (antennas, handle bracket, metal cabinet screwheads, metal overlays, control shafts, etc.).

Measure the AC voltage across the 1500Ω resistor. The test must be conducted with the AC switch on and then repeated with the AC switch off. The AC voltage indicated by the meter may not exceed 0.3V.A reading exceeding 0.3V indicates that a dangerous potential exists, the fault must be located and corrected. Repeat the above test with the DVD VIDEO PLAYER power plug reversed. NEVER RETURN A DVD VIDEO PLAYER TO THE CUSTOMER WITHOUT TAKING NECESSARY CORRECTIVE ACTION.

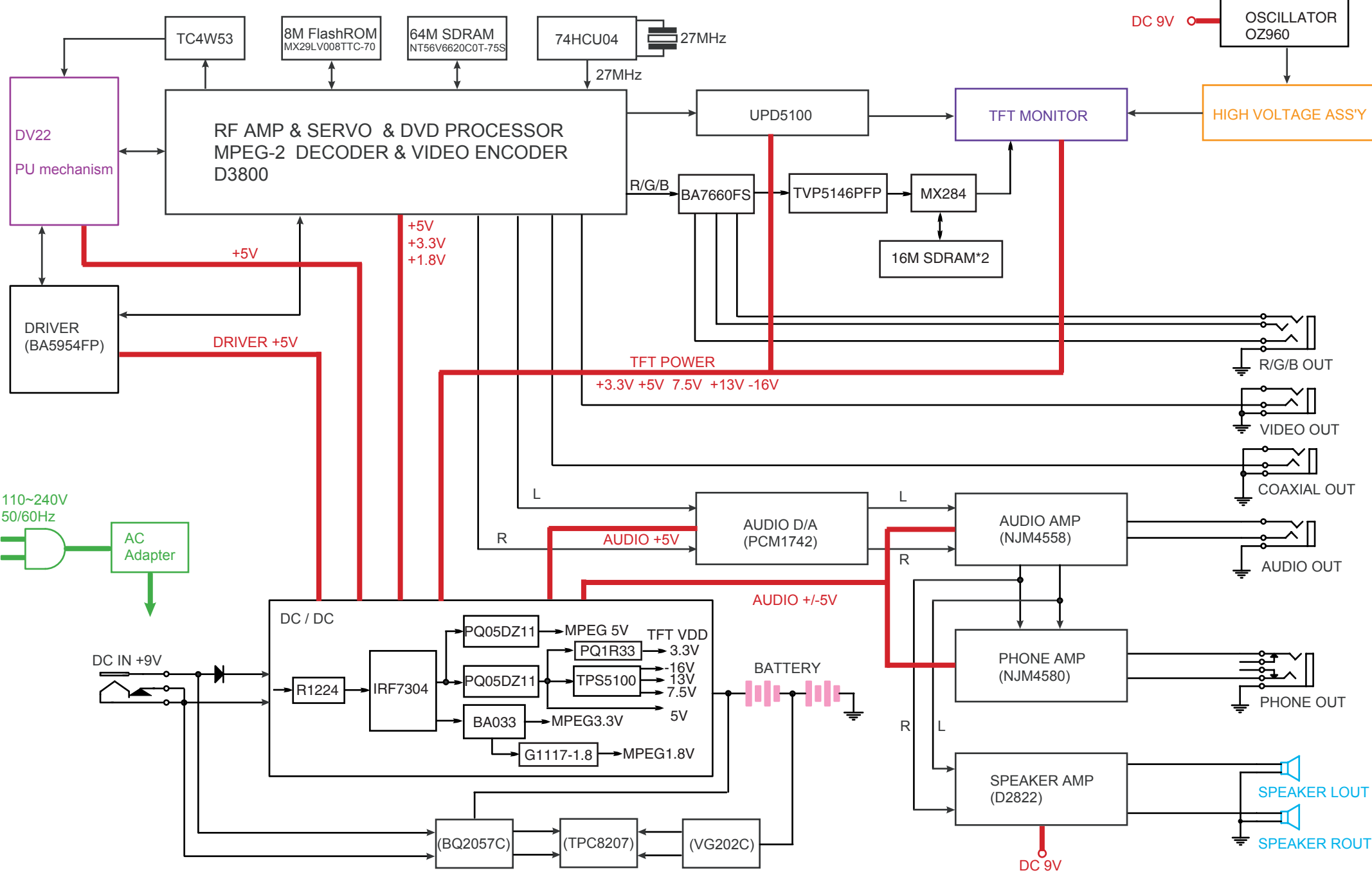


The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

OVERALL BLOCK DIAGRAM



1. Troubleshooting

1. No power when turned on.
2. The initial screen is not displayed on the LCD.
3. The DVD drive does not work.
4. The operation of the DVD player stops at initializing display.
5. Image output stops during the operation.
6. No sound or abnormal sound comes out from the speakers in the DVD player.
7. No image or sound comes out from the external output.
8. No sound comes out from the headphones.
9. No image or sound is output by external input.
10. The DVD drive does not operate with the battery.

1.1 No power when turned on.

When the power is turned on, and if the LED on the front panel does not light green, check the following items and repair the defective parts.

(1) Check the power supply cable

If the cable is not the supplied one, replace it with the supplied cable and turn on the power again.

If the power supply cable is good, the AC adapter may be defective.

If the LED does not light after replacing, check the following items.

(2) Check the AC adapter

If the AC adapter is not the supplied one, replace it with the supplied AC adapter and turn on the power.

If the AC adapter is good, the power supply boards may be defective.

If the LED does not light after replacing, check the following items.

(3) Check the Power and Play buttons

Press the POWER button or the PLAY button on the DVD player. If the power does not turn on, check the following:

- Check the connector of the switch unit in the DVD player.
(If the connection is loose, repair the connection.)
- Replace the switch unit and turn on the power again.
If the LED does not light after replacing, check the following items.

(4) Replace the main board

1.2 The initial screen is not displayed on the LCD.

If the initial screen is not displayed on the LCD, check the following items.

(1) Check the LED on the front

If the LED does not light, proceed to 1.1.

(2) Check the backlight

If the backlight does not light up, separate the DVD player into top assembly and bottom assembly, and check the connector harness, and check the connectors for defects.

If the connector harness is broken:

Replace the broken harness.

If the connector harness is not broken:

Remove the LCD cover and plate of the LCD unit and check the following:

- Check the connector of the FL harness, repair connectors.
- If the connectors are good, replace the FL inverter or the LCD.

(3) Check the lighting of LCD

If the LCD does not light, separate the DVD player into the top assembly and bottom assembly, and check the LCD harness, and check the connectors on the main board.

If the connector is broken:

Replace the LCD harness or the main board.

If the connector is not broken:

Remove the LCD cover and plate of the LCD unit, and check the connection to the harness of the LCD unit.

- If a bad connection is found.
Connect the LCD harness to the LCD unit.
- Other than the above
Replace the LCD unit or the main board.

1.3 The DVD drive does not work.

When the DVD drive does not work after the power is turned on, check the following items and repair or replace the defective parts.

- (1) **Press the DISC cover switch at the center of the DVD player and turn on the power. Then check whether or not the optical pick-up lens of the DVD drive lights.**

CAUTION: Visible laser radiation when open and interlock defeated. Do not stare into Laser beam.

The optical pick-up lens lights dim:

It is caused by deterioration of the optical pick-up lens. Replace the DVD drive.

The optical pick-up lens does not light:

Check the connectors of the DVD-FFC. Also check the connection to the main board and to the DVD drive.

- Loose connection is found.
Repair the connection, and then check the operation of the DVD drive again.
- The DVD-FFC is broken.
Replace the DVD-FFC.
- Other than the above.
Replace the DVD drive or the main board.

- (2) **Insert a DVD disk and turn on the power**

The DVD drive does not work:

The motor of the DVD drive or the main board is defective. Replace the DVD drive or the main board.

The DVD drive works but the initializing operation of the optical pick-up lens does not start (the optical pick-up lens operates twice), or abnormal noise sound:

The DVD drive is defective. Replace the DVD drive.

1.4 The operation of the DVD player stops at initializing display.

If the DVD player does not work after the initializing screen is displayed, check the indication on the screen. Then repair the defect according to it.

- (1) **Insert a DVD disk and close the DISC cover, and turn on the power. Then check the LCD screen or use an external display.**

- **The message “loading” is not displayed or the operation stops at the message “Loading”.**

Since the DVD drive or the main board is defective, check in the following order:

- 1) DVD drive
- 2) Main board

- **The message “CHECK DISK” is displayed.**

Check the DVD disk for fingerprints, dirt, etc.

If the DVD disk is OK, then check the following items:

- 1) Check the DVD-FFC
If a loose connection, repair the connection.
If it is damaged, replace it with new one.
- 2) Other than above
For other cases, replace the unit in the following order:
 - DVD drive (defective optical pick-up)
 - Main board

1.5 Image output stops during the operation.

If the image output from the media in the DVD player stops during the operation, replace the DVD drive.

1.6 No sound or abnormal sound comes out from the speakers in the DVD player.

If no sound comes out from the speakers in the DVD player, check the following:

(1) Check for moving images on the LCD screen

Check whether or not the move of image stops in halfway. If it stops, replace the DVD drive.

(2) Check the operation of the DVD driver.

Check whether or not the DVD drive works. If it stops, replace the DVD drive.

(3) Check the connection of the speakers in the LCD unit.

Separate the DVD player into the top assembly and bottom assembly, and then check the connection of the speaker harnesses to the main board. If a bad connection, repair the connection.

Other than the above, disassemble the LCD unit and replace the speakers or the main board.

1.7 No image or sound comes out from the external output

If any image or sound is output from the TV connected by the external cable, replace the main board or the connector.

NOTE: Before this test, make sure the drive works.

1.8 No sound comes out from the headphones.

If no sound comes out from the headphones, replace the main board or the connector.

1.9 No image or sound is output by the external input.

If any image or sound is output by external input, replace the main board or the connector.

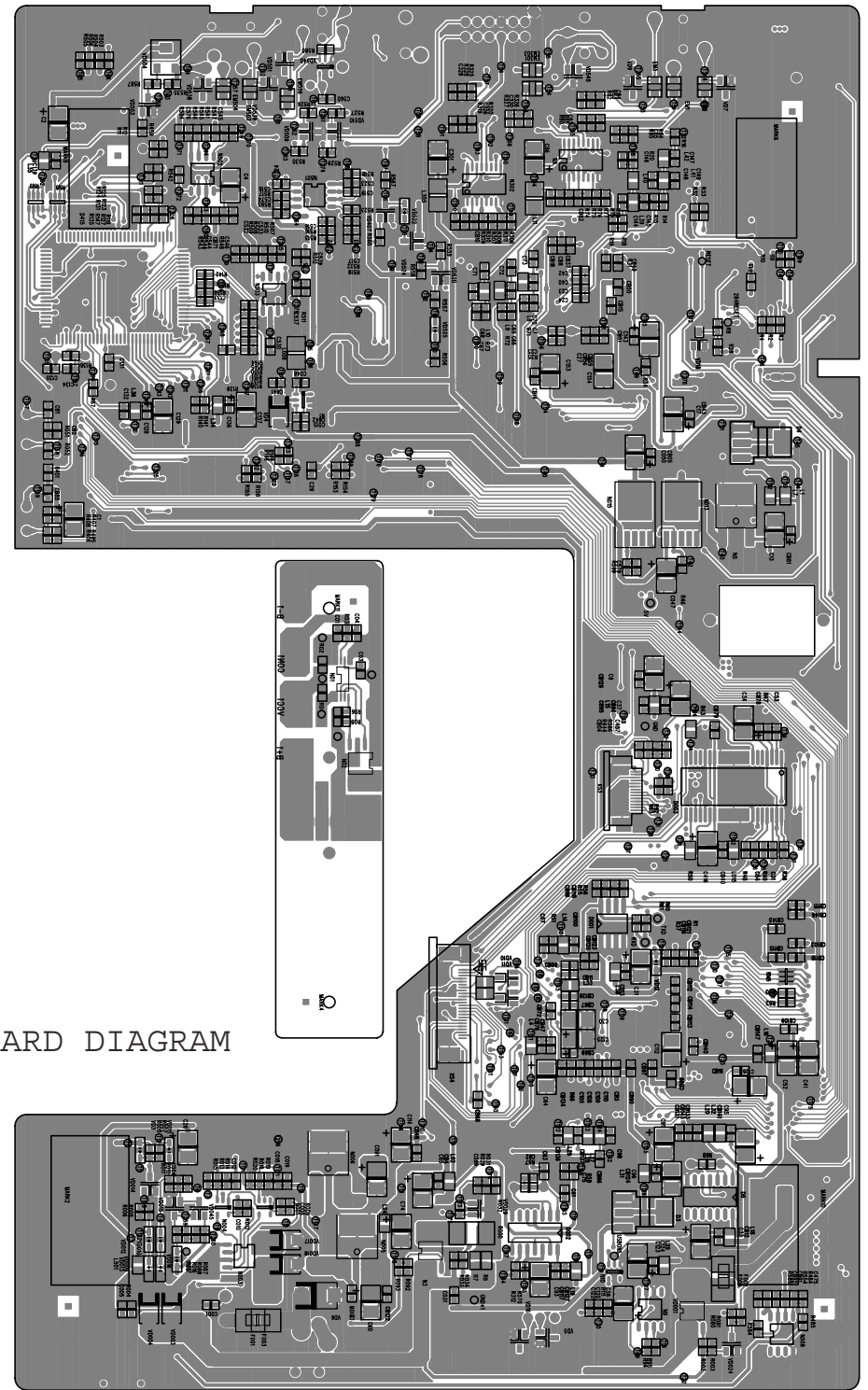
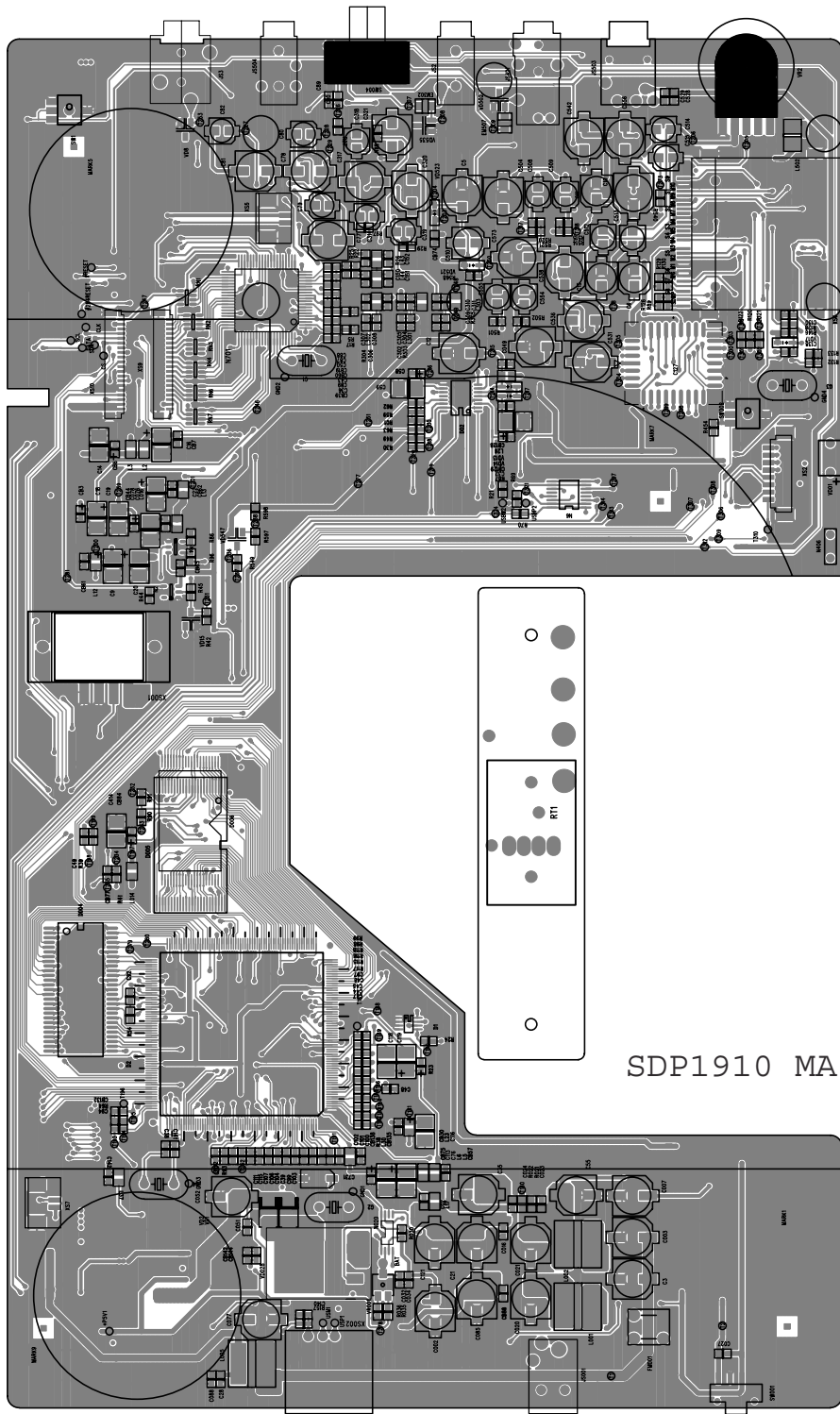
1.10 The DVD drive does not operate with the battery.**(1) Check the operation with a good battery.**

Install a good battery and make sure the LED lights up orange while the AC adapter is connected. When the LED does not light up or blinks, check the connection of the battery harness inside the DVD player. If the connection is loose, repair connection. If the harness has been connected firmly, replace the main board.

(2) Other than the above, replace the battery.

NOTE:

- For this check, use a battery which is not fully charged (because the LED does not light when the battery is fully charged.)
- Before this check, make sure other function work correctly.



SDP1910 MAIN BOARD DIAGRAM

ELECTRICAL PARTS LIST

PART No.	PART NAME	Q'TY
SDP1910		
11079o	RB-LI25LITHIUM BATTERY	1
21412	DVD1910 HV PCB ASS'Y	1
21411	DVD1910 FUNCTION PCB ASS'Y	1
21410	DVD1910 MAIN PCB ASS'Y	1
21408	DVD1910TFT-284 TFT PCB ASS'Y	1
S8072	DV22 LOADING ASS'Y	1
S0578e	ADPV18A AC POWER ADAPTER	1
S5006	SPEAKER	2
S4353	TS-043 EARPHONE	1
S1187e	OWNER MANUAL	1
S06024	DVP700 REMOTE	1
S3459	20 PIN HARNESS (LE200)	2
a7402	LTA090A052F TFT LCD	1
S0535	CAR CIGARETTE ADAPTER	1
S3098	S-VIDEO WIRE	1
S3153	RCA CORD VIDEO	1
S3154	RCA CORD AUDIO	1
S3544	SPEAKER CONNECT WIRE	2
S3551	LOADING EARTHING WIRE	1
S3590	TFT EARTHING WIRE	1
S3545	HV POWER CONNECT WIRE	1
S3681	PS SIGNAL OUTPUT WIRE	1

REF No.	PART No.	PART NAME
DVD1910 MAIN PCB ASS'Y		
RESISTOR		
R1	P11013	Resistor chip 10K Ω
R2	P11004	Resistor chip 33 Ω
R3	P11004	Resistor chip 33 Ω
R4	P11004	Resistor chip 33 Ω
R5	P11005	Resistor chip 75 Ω
R6	P11207	Resistor chip 0.5 Ω
R7	P11207	Resistor chip 0.5 Ω
R8	P11004	Resistor chip 33 Ω
R9	P11004	Resistor chip 33 Ω
R01	P11013	Resistor chip 10K Ω
R02	P11009	Resistor chip 1K Ω
R03	P11009	Resistor chip 1K Ω
R04	P11009	Resistor chip 1K Ω
R05	P11131	Resistor chip 4.7M Ω
R06	P11009	Resistor chip 1K Ω
R10	P11004	Resistor chip 33 Ω
R11	P11000	Resistor chip 0 Ω
R12	P11000	Resistor chip 0 Ω
R13	P11004	Resistor chip 33 Ω
R14	P11123	Resistor chip 15 Ω
R15	P11134	Resistor chip 68 Ω
R16	P11005	Resistor chip 75 Ω
R17	P11005	Resistor chip 75 Ω
R18	P11123	Resistor chip 15 Ω
R19	P11134	Resistor chip 68 Ω
R20	P11005	Resistor chip 75 Ω
R21	P11013	Resistor chip 10K Ω
R22	P11123	Resistor chip 15 Ω
R23	P11003	Resistor chip 10 Ω
R24	P11009	Resistor chip 1K Ω
R25	P11134	Resistor chip 68 Ω
R26	P11005	Resistor chip 75 Ω
R27	P11005	Resistor chip 75 Ω
R28	P11013	Resistor chip 10K Ω
R29	P11000	Resistor chip 0 Ω
R30	P11004	Resistor chip 33 Ω
R31	P11013	Resistor chip 10K Ω
R32	P11004	Resistor chip 33 Ω

REF No.	PART No.	PART NAME
R33	P11013	Resistor chip 10K Ω
R34	P11013	Resistor chip 10K Ω
R35	P11013	Resistor chip 10K Ω
R36	P11013	Resistor chip 10K Ω
R37	P11038	Resistor chip 39K Ω
R38	P11015	Resistor chip 15K Ω
R39	P11035	Resistor chip 20K Ω
R40	P11017	Resistor chip 33K Ω
R41	P11017	Resistor chip 33K Ω
R42	P11013	Resistor chip 10K Ω
R43	P11207	Resistor chip 0.5 Ω
R44	P11013	Resistor chip 10K Ω
R46	P11000	Resistor chip 0 Ω
R47	P11035	Resistor chip 20K Ω
R48	P11035	Resistor chip 20K Ω
R49	P11013	Resistor chip 10K Ω
R50	P11207	Resistor chip 0.5 Ω
R51	P11000	Resistor chip 0 Ω
R52	P11004	Resistor chip 33 Ω
R53	P11004	Resistor chip 33 Ω
R54	P11004	Resistor chip 33 Ω
R55	P11012	Resistor chip 4.7K Ω
R56	P11012	Resistor chip 4.7K Ω
R57	P11023	Resistor chip 1M Ω
R58	P11003	Resistor chip 10 Ω
R59	P11013	Resistor chip 10K Ω
R60	P11013	Resistor chip 10K Ω
R61	P11013	Resistor chip 10K Ω
R62	P11004	Resistor chip 33 Ω
R63	P11004	Resistor chip 33 Ω
R64	P11050	Resistor chip 560 Ω
R65	P11004	Resistor chip 33 Ω
R66	P11019	Resistor chip 100K Ω
R69	P11013	Resistor chip 10K Ω
R71	P11005	Resistor chip 75 Ω
R72	P11005	Resistor chip 75 Ω
R73	P11005	Resistor chip 75 Ω
R74	P11118	Resistor chip 75K Ω
R75	P11022	Resistor chip 470K Ω
R76	P11118	Resistor chip 75K Ω

REF No.	PART No.	PART NAME
R77	P11022	Resistor chip 470K Ω
R78	P11118	Resistor chip 75K Ω
R79	P11022	Resistor chip 470K Ω
R80	P11005	Resistor chip 75 Ω
R82	P11005	Resistor chip 75 Ω
R84	P11005	Resistor chip 75 Ω
R88	P11000	Resistor chip 0 Ω
R90	P11013	Resistor chip 10K Ω
R92	P11004	Resistor chip 33 Ω
R93	P11122	Resistor chip 750K Ω
R97	P11000	Resistor chip 0 Ω
R98	P11002	Resistor chip 4.7 Ω
R99	P11002	Resistor chip 4.7 Ω
R000	P11254	SL1TE100MF
R002	P11009	Resistor chip 1K Ω
R003	P11018	Resistor chip 47K Ω
R004	P11018	Resistor chip 47K Ω
R005	P11018	Resistor chip 47K Ω
R006	P11012	Resistor chip 4.7K Ω
R007	P11009	Resistor chip 1K Ω
R008	P11069	Resistor chip 13K Ω
R009	P11003	Resistor chip 10 Ω
R010	P11013	Resistor chip 10K Ω
R011	P11009	Resistor chip 1K Ω
R012	P11003	Resistor chip 10 Ω
R013	P11014	Resistor chip 12K Ω
R014	P11030	Resistor chip 2.7K Ω
R015	P11034	Resistor chip 18K Ω
R016	P11018	Resistor chip 47K Ω
R017	P11012	Resistor chip 4.7K Ω
R018	P11030	Resistor chip 2.7K Ω
R019	P11011	Resistor chip 3.3K Ω
R020	P11034	Resistor chip 18K Ω
R021	P11000	Resistor chip 0 Ω
R022	P11000	Resistor chip 0 Ω
R029	P11009	Resistor chip 1K Ω
R030	P11042	Resistor chip 120K Ω
R031	P11019	Resistor chip 100K Ω
R032	P11009	Resistor chip 1K Ω
R033	P11013	Resistor chip 10K Ω

REF No.	PART No.	PART NAME
R034	P11041	Resistor chip 82K Ω
R035	P11039	Resistor chip 56K Ω
R036	P11039	Resistor chip 56K Ω
R051	P11010	Resistor chip 2K Ω
R052	P11010	Resistor chip 2K Ω
R080	P11012	Resistor chip 4.7K Ω
R081	P11003	Resistor chip 10 Ω
R087	P11013	Resistor chip 10K Ω
R088	P11018	Resistor chip 47K Ω
R092	P11018	Resistor chip 47K Ω
R093	P11009	Resistor chip 1K Ω
R100	P11029	Resistor chip 2.2K Ω
R115	P11000	Resistor chip 0 Ω
R116	P11000	Resistor chip 0 Ω
R117	P11000	Resistor chip 0 Ω
R118	P11000	Resistor chip 0 Ω
R157	P11000	Resistor chip 0 Ω
R303	P11005	Resistor chip 75 Ω
R304	P11005	Resistor chip 75 Ω
R305	P11005	Resistor chip 75 Ω
R312	P11004	Resistor chip 33 Ω
R319	P11000	Resistor chip 0 Ω
R325	P11000	Resistor chip 0 Ω
R327	P11000	Resistor chip 0 Ω
R401	P11006	Resistor chip 100 Ω
R406	P11000	Resistor chip 0 Ω
R407	P11013	Resistor chip 10K Ω
R444	P11017	Resistor chip 33K Ω
R454	P11013	Resistor chip 10K Ω
R459	P11013	Resistor chip 10K Ω
R484	P11057	Resistor chip 51K Ω
R485	P11018	Resistor chip 47K Ω
R501	P11018	Resistor chip 47K Ω
R502	P11018	Resistor chip 47K Ω
R503	P11000	Resistor chip 0 Ω
R506	P11000	Resistor chip 0 Ω
R507	P11042	Resistor chip 120K Ω
R508	P11042	Resistor chip 120K Ω
R509	P11013	Resistor chip 10K Ω
R510	P11013	Resistor chip 10K Ω

REF No.	PART No.	PART NAME
R511	P11002	Resistor chip 4.7 Ω
R512	P11002	Resistor chip 4.7 Ω
R513	P11032	Resistor chip 5.1K Ω
R514	P11031	Resistor chip 3.9K Ω
R515	P11013	Resistor chip 10K Ω
R516	P11019	Resistor chip 100K Ω
R517	P11013	Resistor chip 10K Ω
R518	P11006	Resistor chip 100 Ω
R519	P11032	Resistor chip 5.1K Ω
R520	P11013	Resistor chip 10K Ω
R521	P11031	Resistor chip 3.9K Ω
R522	P11019	Resistor chip 100K Ω
R523	P11013	Resistor chip 10K Ω
R526	P11009	Resistor chip 1K Ω
R527	P11009	Resistor chip 1K Ω
R529	P11006	Resistor chip 100 Ω
R530	P11006	Resistor chip 100 Ω
R535	P11034	Resistor chip 18K Ω
R540	P11013	Resistor chip 10K Ω
R541	P11013	Resistor chip 10K Ω
R542	P11013	Resistor chip 10K Ω
R543	P11019	Resistor chip 100K Ω
R544	P11055	Resistor chip 8.2K Ω
R545	P11019	Resistor chip 100K Ω
R546	P11013	Resistor chip 10K Ω
R547	P11055	Resistor chip 8.2K Ω
R548	P11002	Resistor chip 4.7 Ω
R549	P11006	Resistor chip 100 Ω
R554	P11009	Resistor chip 1K Ω
R556	P11009	Resistor chip 1K Ω
R557	P11009	Resistor chip 1K Ω
R558	P11013	Resistor chip 10K Ω
R559	P11012	Resistor chip 4.7K Ω
R560	P11008	Resistor chip 470 Ω
R567	P11000	Resistor chip 0 Ω
R568	P11019	Resistor chip 100K Ω
R570	P11071	Resistor chip 220 Ω
R580	P11013	Resistor chip 10K Ω
R584	P11009	Resistor chip 1K Ω
R585	P11051	Resistor chip 1.5K Ω

REF No.	PART No.	PART NAME
R586	P11017	Resistor chip 33K Ω
R587	P11009	Resistor chip 1K Ω
R593	P11002	Resistor chip 4.7 Ω
R594	P11002	Resistor chip 4.7 Ω
R597	P11013	Resistor chip 10K Ω
R598	P11012	Resistor chip 4.7K Ω
R599	P11013	Resistor chip 10K Ω
C7	P11005	Resistor chip 75 Ω
C66	P11005	Resistor chip 75 Ω
C67	P11005	Resistor chip 75 Ω
C90	P11000	Resistor chip 0 Ω
L14	P11004	Resistor chip 33 Ω
RN1	P11359	Row of resistor 33 Ω
RN2	P11359	Row of resistor 33 Ω
RN3	P11359	Row of resistor 33 Ω
RN4	P11359	Row of resistor 33 Ω
RN5	P11206	Row of resistor 22 Ω
RN6	P11359	Row of resistor 33 Ω
RN7	P11359	Row of resistor 33 Ω
CAPACITOR		
C1	P31100	Ceramic CAP 10uF/16V
C2	P31100	Ceramic CAP 10uF/16V
C3	P30014	Electrolytic CAP 100uF/16V
C4	P31100	Ceramic CAP 10uF/16V
C5	P31094	EEVMC0J101P
C6	P31095	EEVMC0J470R
C8	P31100	Ceramic CAP 10uF/16V
C9	P31100	Ceramic CAP 10uF/16V
C01	P20044	Capacitor chip 0.22uF
C02	P20015	Capacitor chip 0.1uF
C03	P20044	Capacitor chip 0.22uF
C04	P20044	Capacitor chip 0.22uF
C10	P31094	EEVMC0J101P
C11	P31095	EEVMC0J470R
C12	P31094	EEVMC0J101P
C13	P31100	Ceramic CAP 10uF/16V
C14	P31100	Ceramic CAP 10uF/16V
C15	P31095	EEVMC0J470R
C16	P31100	Ceramic CAP 10uF/16V
C17	P31100	Ceramic CAP 10uF/16V

REF No.	PART No.	PART NAME
C18	P31100	Ceramic CAP 10uF/16V
C19	P31100	Ceramic CAP 10uF/16V
C20	P31100	Ceramic CAP 10uF/16V
C20	P31094	EEVMC0J101P
C21	P30014	Electrolytic CAP 100uF/16V
C22	P31100	Ceramic CAP 10uF/16V
C23	P20015	Capacitor chip 0.1uF
C24	P20015	Capacitor chip 0.1uF
C25	P20026	Capacitor chip 33pF
C26	P31100	Ceramic CAP 10uF/16V
C27	P20026	Capacitor chip 33pF
C28	P20015	Capacitor chip 0.1uF
C30	P31100	Ceramic CAP 10uF/16V
C31	P31100	Ceramic CAP 10uF/16V
C32	P31100	Ceramic CAP 10uF/16V
C33	P31100	Ceramic CAP 10uF/16V
C34	P31100	Ceramic CAP 10uF/16V
C35	P30014	Electrolytic CAP 100uF/16V
C36	P20015	Capacitor chip 0.1uF
C37	P31100	Ceramic CAP 10uF/16V
C38	P20052	Capacitor chip 20pF
C39	P20052	Capacitor chip 20pF
C40	P20015	Capacitor chip 0.1uF
C41	P31100	Ceramic CAP 10uF/16V
C42	P20015	Capacitor chip 0.1uF
C43	P20015	Capacitor chip 0.1uF
C44	P20035	Capacitor chip 1uF
C45	P20035	Capacitor chip 1uF
C46	P20035	Capacitor chip 1uF
C47	P20035	Capacitor chip 1uF
C49	P20029	Capacitor chip 330pF
C50	P20015	Capacitor chip 0.1uF
C51	P20029	Capacitor chip 330pF
C52	P31100	Ceramic CAP 10uF/16V
C53	P20027	Capacitor chip 150pF
C54	P20027	Capacitor chip 150pF
C55	P30014	Electrolytic CAP 100uF/16V
C57	P20010	Capacitor chip 1500pF
C58	P20015	Capacitor chip 0.1uF

REF No.	PART No.	PART NAME
C59	P31100	Ceramic CAP 10uF/16V
C60	P31100	Ceramic CAP 10uF/16V
C61	P20051	Capacitor chip 5.1pF
C62	P20002	Capacitor chip 22pF
C63	P20009	Capacitor chip 1000pF
C64	P31100	Ceramic CAP 10uF/16V
C65	P31100	Ceramic CAP 10uF/16V
C68	P20002	Capacitor chip 22pF
C69	P20002	Capacitor chip 22pF
C70	P20002	Capacitor chip 22pF
C74	P31100	Ceramic CAP 10uF/16V
C75	P20051	Capacitor chip 5.1pF
C76	P31100	Ceramic CAP 10uF/16V
C77	P31098	EEVMC0G221P
C78	P31098	EEVMC0G221P
C79	P31096	EEVMC0G470R
C80	P31096	EEVMC0G470R
C81	P31098	EEVMC0G221P
C82	P31096	EEVMC0G470R
C86	P31100	Ceramic CAP 10uF/16V
C87	P20015	Capacitor chip 0.1uF
C88	P20015	Capacitor chip 0.1uF
C89	P20015	Capacitor chip 0.1uF
C91	P31100	Ceramic CAP 10uF/16V
C93	P31100	Ceramic CAP 10uF/16V
C95	P31100	Ceramic CAP 10uF/16V
C96	P31100	Ceramic CAP 10uF/16V
C97	P20059	Capacitor chip 4700pF
C98	P20015	Capacitor chip 0.1uF
C99	P20009	Capacitor chip 1000pF
C002	P30014	Electrolytic CAP 100uF/16V
C003	P30014	Electrolytic CAP 100uF/16V
C004	P20035	Capacitor chip 1uF
C005	P20015	Capacitor chip 0.1uF
C007	P31094	EEVMC0J101P
C008	P20015	Capacitor chip 0.1uF
C010	P20015	Capacitor chip 0.1uF
C012	P20009	Capacitor chip 1000pF
C015	P20035	Capacitor chip 1uF

REF No.	PART No.	PART NAME
C016	P20015	Capacitor chip 0.1uF
C018	P20009	Capacitor chip 1000pF
C019	P20015	Capacitor chip 0.1uF
C021	P30014	Electrolytic CAP 100uF/16V
C023	P20015	Capacitor chip 0.1uF
C024	P20015	Capacitor chip 0.1uF
C027	P20015	Capacitor chip 0.1uF
C031	P20015	Capacitor chip 0.1uF
C032	P20009	Capacitor chip 1000pF
C034	P20015	Capacitor chip 0.1uF
C046	P20035	Capacitor chip 1uF
C047	P31100	Ceramic CAP 10uF/16V
C049	P31094	EEVMC0J101P
C050	P31100	Ceramic CAP 10uF/16V
C051	P20015	Capacitor chip 0.1uF
C052	P30014	Electrolytic CAP 100uF/16V
C076	P20015	Capacitor chip 0.1uF
C077	P30014	Electrolytic CAP 100uF/16V
C078	P31100	Ceramic CAP 10uF/16V
C085	P30014	Electrolytic CAP 100uF/16V
C088	P20015	Capacitor chip 0.1uF
C091	P31100	Ceramic CAP 10uF/16V
C099	P20015	Capacitor chip 0.1uF
C100	P20015	Capacitor chip 0.1uF
C101	P20015	Capacitor chip 0.1uF
C102	P20049	Capacitor chip 33000pF
C103	P20015	Capacitor chip 0.1uF
C104	P20015	Capacitor chip 0.1uF
C105	P20015	Capacitor chip 0.1uF
C106	P20035	Capacitor chip 1uF
C107	P20015	Capacitor chip 0.1uF
C108	P20035	Capacitor chip 1uF
C109	P20014	Capacitor chip 47000pF
C110	P20014	Capacitor chip 47000pF
C111	P20017	Capacitor chip 0.47uF
C112	P31100	Ceramic CAP 10uF/16V
C113	P31100	Ceramic CAP 10uF/16V
C114	P31100	Ceramic CAP 10uF/16V
C116	P31100	Ceramic CAP 10uF/16V

REF No.	PART No.	PART NAME
C117	P20006	Capacitor chip 100pF
C118	P31100	Ceramic CAP 10uF/16V
C119	P31100	Ceramic CAP 10uF/16V
C121	P30014	Electrolytic CAP 100uF/16V
C125	P31100	Ceramic CAP 10uF/16V
C126	P31100	Ceramic CAP 10uF/16V
C140	P20015	Capacitor chip 0.1uF
C141	P20052	Capacitor chip 20pF
C143	P31100	Ceramic CAP 10uF/16V
C144	P20029	Capacitor chip 330pF
C145	P20040	Capacitor chip 680pF
C146	P20029	Capacitor chip 330pF
C147	P20029	Capacitor chip 330pF
C148	P20040	Capacitor chip 680pF
C149	P20029	Capacitor chip 330pF
C150	P20029	Capacitor chip 330pF
C151	P20040	Capacitor chip 680pF
C152	P20029	Capacitor chip 330pF
C153	P31100	Ceramic CAP 10uF/16V
C154	P31100	Ceramic CAP 10uF/16V
C200	P20022	GRM235Y5V226Z10PE
C301	P31100	Ceramic CAP 10uF/16V
C305	P20020	Capacitor chip 120pF
C307	P20020	Capacitor chip 120pF
C310	P20020	Capacitor chip 120pF
C311	P20002	Capacitor chip 22pF
C314	P31096	EEVMC0G470R
C317	P31098	EEVMC0G221P
C318	P31096	EEVMC0G470R
C319	P31096	EEVMC0G470R
C320	P31098	EEVMC0G221P
C321	P31098	EEVMC0G221P
C414	P31100	Ceramic CAP 10uF/16V
C416	P31100	Ceramic CAP 10uF/16V
C457	P20061	Capacitor chip 0.015uF
C475	P20015	Capacitor chip 0.1uF
C504	P31094	EEVMC0J101P
C508	P31096	EEVMC0G470R
C509	P31096	EEVMC0G470R

REF No.	PART No.	PART NAME
C510	P31095	EEVMC0J470R
C512	P31093	EEVMC1C100R
C513	P31093	EEVMC1C100R
C514	P31096	EEVMC0G470R
C515	P31096	EEVMC0G470R
C516	P20030	Capacitor chip 2700pF
C517	P20030	Capacitor chip 2700pF
C518	P20048	Capacitor chip 300pF
C519	P20048	Capacitor chip 300pF
C523	P20015	Capacitor chip 0.1uF
C528	P20015	Capacitor chip 0.1uF
C529	P20015	Capacitor chip 0.1uF
C530	P20015	Capacitor chip 0.1uF
C531	P31091	EEVMC1C470P
C532	P20043	Capacitor chip 3300pF
C533	P20043	Capacitor chip 3300pF
C536	P31094	EEVMC0J101P
C537	P20015	Capacitor chip 0.1uF
C538	P31094	EEVMC0J101P
C539	P20015	Capacitor chip 0.1uF
C542	P31098	EEVMC0G221P
C544	P20064	Capacitor chip 51pF
C545	P20064	Capacitor chip 51pF
C546	P20015	Capacitor chip 0.1uF
C554	P31096	EEVMC0G470R
C555	P31096	EEVMC0G470R
C556	P31098	EEVMC0G221P
C560	P20015	Capacitor chip 0.1uF
C573	P31094	EEVMC0J101P
C574	P20015	Capacitor chip 0.1uF
C576	P20015	Capacitor chip 0.1uF
C579	P20015	Capacitor chip 0.1uF
C641	P20035	Capacitor chip 1uF
C642	P20035	Capacitor chip 1uF
C731	P20057	Adjustable capacitor
CB1	P20015	Capacitor chip 0.1uF
CB2	P20015	Capacitor chip 0.1uF
CB3	P20015	Capacitor chip 0.1uF
CB4	P20015	Capacitor chip 0.1uF
CB5	P20015	Capacitor chip 0.1uF

REF No.	PART No.	PART NAME
CB6	P20015	Capacitor chip 0.1uF
CB7	P20015	Capacitor chip 0.1uF
CB8	P20015	Capacitor chip 0.1uF
CB9	P20015	Capacitor chip 0.1uF
CB04	P20015	Capacitor chip 0.1uF
CB05	P20015	Capacitor chip 0.1uF
CB10	P20015	Capacitor chip 0.1uF
CB11	P20015	Capacitor chip 0.1uF
CB12	P20015	Capacitor chip 0.1uF
CB13	P20015	Capacitor chip 0.1uF
CB18	P20015	Capacitor chip 0.1uF
CB19	P20015	Capacitor chip 0.1uF
CB30	P20015	Capacitor chip 0.1uF
CB37	P20015	Capacitor chip 0.1uF
CB39	P20015	Capacitor chip 0.1uF
CB40	P20015	Capacitor chip 0.1uF
CB43	P20015	Capacitor chip 0.1uF
CB44	P20015	Capacitor chip 0.1uF
CB47	P20035	Capacitor chip 1uF
CB48	P20015	Capacitor chip 0.1uF
CB49	P20015	Capacitor chip 0.1uF
CB50	P20015	Capacitor chip 0.1uF
CB51	P20015	Capacitor chip 0.1uF
CB56	P20015	Capacitor chip 0.1uF
CB57	P20015	Capacitor chip 0.1uF
CB59	P20015	Capacitor chip 0.1uF
CB60	P20015	Capacitor chip 0.1uF
CB61	P20015	Capacitor chip 0.1uF
CB62	P20015	Capacitor chip 0.1uF
CB65	P20015	Capacitor chip 0.1uF
CB66	P20015	Capacitor chip 0.1uF
CB67	P20015	Capacitor chip 0.1uF
CB68	P20015	Capacitor chip 0.1uF
CB69	P20015	Capacitor chip 0.1uF
CB71	P20015	Capacitor chip 0.1uF
CB72	P20015	Capacitor chip 0.1uF
CB74	P20015	Capacitor chip 0.1uF
CB75	P20015	Capacitor chip 0.1uF
CB76	P20015	Capacitor chip 0.1uF
CB77	P20015	Capacitor chip 0.1uF

REF No.	PART No.	PART NAME
CB78	P20015	Capacitor chip 0.1uF
CB79	P20015	Capacitor chip 0.1uF
CB81	P20015	Capacitor chip 0.1uF
CB83	P20015	Capacitor chip 0.1uF
CB84	P20015	Capacitor chip 0.1uF
CB85	P20015	Capacitor chip 0.1uF
CB88	P20015	Capacitor chip 0.1uF
CB89	P20015	Capacitor chip 0.1uF
CB90	P20015	Capacitor chip 0.1uF
CB91	P20009	Capacitor chip 1000pF
CB92	P20015	Capacitor chip 0.1uF
CB94	P20015	Capacitor chip 0.1uF
CB95	P20015	Capacitor chip 0.1uF
CB96	P20015	Capacitor chip 0.1uF
CB97	P20015	Capacitor chip 0.1uF
CB99	P20015	Capacitor chip 0.1uF
CB100	P20015	Capacitor chip 0.1uF
CB103	P20015	Capacitor chip 0.1uF
CB108	P20015	Capacitor chip 0.1uF
CB109	P20015	Capacitor chip 0.1uF
CB110	P20015	Capacitor chip 0.1uF
CB111	P20015	Capacitor chip 0.1uF
CB112	P20015	Capacitor chip 0.1uF
CB113	P20015	Capacitor chip 0.1uF
CB114	P20015	Capacitor chip 0.1uF
CB115	P20015	Capacitor chip 0.1uF
CB116	P20015	Capacitor chip 0.1uF
CB117	P20015	Capacitor chip 0.1uF
CB118	P20015	Capacitor chip 0.1uF
CB120	P20015	Capacitor chip 0.1uF
CB121	P20015	Capacitor chip 0.1uF
CB122	P20015	Capacitor chip 0.1uF
CB123	P20015	Capacitor chip 0.1uF
CB124	P20015	Capacitor chip 0.1uF
CB126	P20015	Capacitor chip 0.1uF
CB127	P20015	Capacitor chip 0.1uF
CB128	P20015	Capacitor chip 0.1uF
CB129	P20015	Capacitor chip 0.1uF
CB131	P20015	Capacitor chip 0.1uF
CB132	P20015	Capacitor chip 0.1uF

REF No.	PART No.	PART NAME
CB133	P20015	Capacitor chip 0.1uF
CB134	P20015	Capacitor chip 0.1uF
CB135	P20015	Capacitor chip 0.1uF
CB136	P20015	Capacitor chip 0.1uF
CB137	P20015	Capacitor chip 0.1uF
CB138	P20015	Capacitor chip 0.1uF
CB139	P20015	Capacitor chip 0.1uF
CB140	P20015	Capacitor chip 0.1uF
CB141	P20015	Capacitor chip 0.1uF
CB142	P20015	Capacitor chip 0.1uF
CB143	P20015	Capacitor chip 0.1uF
CB144	P20015	Capacitor chip 0.1uF
CB145	P20015	Capacitor chip 0.1uF
CB146	P20015	Capacitor chip 0.1uF
CB147	P20015	Capacitor chip 0.1uF
INDUCTOR		
EM1	P60006	FK2125T186AL
EM2	P60006	FK2125T186AL
EM3	P60006	FK2125T186AL
EM301	P60006	FK2125T186AL
EM302	P60006	FK2125T186AL
EM303	P60006	FK2125T186AL
EM503	P60006	FK2125T186AL
EM504	P60006	FK2125T186AL
EM506	P60006	FK2125T186AL
EM507	P60006	FK2125T186AL
L1	P6659	Impedance at 100MHz:600 Ω
L2	P6659	Impedance at 100MHz:600 Ω
L3	P6659	Impedance at 100MHz:600 Ω
L4	P6659	Impedance at 100MHz:600 Ω
L5	P6659	Impedance at 100MHz:600 Ω
L6	P6659	Impedance at 100MHz:600 Ω
L7	P6659	Impedance at 100MHz:600 Ω
L8	P6808	1uH
L9	P6808	1uH
L10	P6808	1uH
L02	P6659	Impedance at 100MHz:600 Ω
L11	P6681	100uH
L12	P6659	Impedance at 100MHz:600 Ω
L13	P6659	Impedance at 100MHz:600 Ω

REF No.	PART No.	PART NAME
L15	P6659	Impedance at 100MHz:600 Ω
L16	P6659	Impedance at 100MHz:600 Ω
L18	P6659	Impedance at 100MHz:600 Ω
L19	P6659	Impedance at 100MHz:600 Ω
L20	P6659	Impedance at 100MHz:600 Ω
L21	P6659	Impedance at 100MHz:600 Ω
L22	P6659	Impedance at 100MHz:600 Ω
L23	P6659	Impedance at 100MHz:600 Ω
L24	P6659	Impedance at 100MHz:600 Ω
L26	P6659	Impedance at 100MHz:600 Ω
L27	P6659	Impedance at 100MHz:600 Ω
L28	P6659	Impedance at 100MHz:600 Ω
L29	P6659	Impedance at 100MHz:600 Ω
L30	P6659	Impedance at 100MHz:600 Ω
L31	P6659	Impedance at 100MHz:600 Ω
L32	P6659	Impedance at 100MHz:600 Ω
L33	P6659	Impedance at 100MHz:600 Ω
L38	P6659	Impedance at 100MHz:600 Ω
L39	P60034	2.7uH
L40	P60034	2.7uH
L41	P60034	2.7uH
L42	P60034	2.7uH
L43	P60034	2.7uH
L44	P60034	2.7uH
L001	P60003	33uH
L002	P60003	33uH
L005	P60003	33uH
L008	P6681	100uH
L014	P6659	Impedance at 100MHz:600 Ω
L015	P6659	Impedance at 100MHz:600 Ω
L016	P6659	Impedance at 100MHz:600 Ω
L301	P6808	1uH
L302	P6808	1uH
L303	P6808	1uH
L305	P6681	100uH
L501	P6659	Impedance at 100MHz:600 Ω
L502	P6681	100uH
TRANSISTOR		
VD1	P5722a	B240A
VD2	P5722a	B240A

REF No.	PART No.	PART NAME
VD3	P1200	1SS355TE Switch Diode
VD4	P5722a	B240A
VD6	P1219	1N5402T
VD7	P5766	STZ6.2NT146
VD8	P5766	STZ6.2NT146
VD9	P5766	STZ6.2NT146
VD01	a1610	LED
VD10	P5067	KTA1298
VD11	P5067	KTA1298
VD12	P1200	1SS355TE Switch Diode
VD13	P1200	1SS355TE Switch Diode
VD14	P1200	1SS355TE Switch Diode
VD15	P5073a	2SD601AR
VD18	P5706	DTC144EUAT106
VD001	P5770	UPA1716G-E2
VD003	P5722a	B240A
VD004	P5722a	B240A
VD009	P5771	UDZS7E-1715B
VD010	P1200	1SS355TE Switch Diode
VD011	P1200	1SS355TE Switch Diode
VD012	P1200	1SS355TE Switch Diode
VD013	P5772	UDZS7E-174.7B
VD014	P5073a	2SD601AR
VD015	P5073a	2SD601AR
VD016	P1200	1SS355TE Switch Diode
VD017	P5722a	B240A
VD018	P5722a	B240A
VD024	P5706	DTC144EUAT106
VD028	P5752	2SJ401
VD029	P5073a	2SD601AR
VD045	P5067	KTA1298
VD407	P5067	KTA1298
VD501	P5766	STZ6.2NT146
VD502	P5766	STZ6.2NT146
VD503	P5706	DTC144EUAT106
VD504	P5769	2SB1561T100Q
VD509	P5073a	2SD601AR
VD510	P5073a	2SD601AR
VD520	P5073a	2SD601AR
VD521	P1200	1SS355TE Switch Diode

REF No.	PART No.	PART NAME
VD522	P1200	1SS355TE Switch Diode
VD523	P1200	1SS355TE Switch Diode
VD524	P5067	KTA1298
VD525	P1200	1SS355TE Switch Diode
VD535	P5766	STZ6.2NT146
VD538	P5766	STZ6.2NT146
VD540	P5714	FMC3AT148
VD547	P5067	KTA1298
VD548	P5766	STZ6.2NT146
FUSE		
F001	P60047	FUSE 452003
F002	P60045	FUSE 451005
FILTER		
FM001	a6916	LV-R0489 FILTER
CRYSTAL OSCILLATOR		
G1	a6476	14.31818MHz
G2	a6603a	27.000MHz
POTENTIOMETERS		
VR2	a0654	WHE10xB-2-20K
VR001	P0619a	TMC3K-B5K-TR
SWITCH		
SW1	P6983	SW1AF-360-T10
SW001	P60078	SSSS710603
SW002	P6983	SW1AF-360-T10
SW004	a6846	2W4D-3.5
IC		
N1	P90277	TPS60400DBVR
N2	P5714	FMC3AT148
N3	P5770	UPA1716G-E2
N5	P90072	BA033FP
N8	P90110	BA7660FS-E2
N001	P90211	RN1224N332F
N003	P5759	IRF7304
N004	P90211	RN1224N332F
N005	P90072	BA033FP
N006	P90092	UPC29M05T-E1
N013	P90090	PQ05DZ11
N015	P90090	PQ05DZ11
N020	P90103	BQ2057CTSTR
N302	P90110	BA7660FS-E2

REF No.	PART No.	PART NAME
N406	a6733	HS0038B
N501	P4530	NJM4558
N502	P4513	NJM4580
N503	P4535	CD2822CB
N508	P4530	NJM4558
N701	P90337	TVP5146PFP
D1	P4581	TC4W53FU
D2	P90346a	D3800
D3	P90386	LM1117ST18T3
D4	P90386	LM1117ST18T3
D02	P90129	PCM1742E/2K
D001	P4620a	BR24C02F-WE2
D002	P4516	74HCU04
D003	P90007	BA5954FP
D004	P90074	NT56V6620COT-75S
D005	P90157a	MX29LV008TTC-70
SOCKET		
XS2	P60081	53261-0890 8P SOCKET
XS3	P7047	52746-1490
XS4	P60038	GF055-SS-LSS 24P SOCKET
XS5	P6975	MOLEX-53261-0290
XS7	P6975	MOLEX-53261-0290
XS9	P60083	SM20B-SURS-TF SOCKET
XS10	P60083	SM20B-SURS-TF SOCKET
XS001	a7345	Battery connector (male)
JS2	a6674	HSJ1456-010335
JS3	a7302a	HSJ1594-010060 SOCKET
JS001	a6663a	HEC3600-010110 SOCKET
JS421	a7221	GP1FD310TP
JS503	a6704	HSJ1494-01-010 SOCKET
JS504	a6662	HSJ1715-01-110
DVD1910TFT-284 TFT PCB ASS'Y		
RESISTOR		
R1	P11140	Resistor chip 22 Ω
R2	P11000	Resistor chip 0 Ω
R3	P11140	Resistor chip 22 Ω
R4	P11023	Resistor chip 1M Ω
R5	P11140	Resistor chip 22 Ω
R6	P11140	Resistor chip 22 Ω
R7	P11140	Resistor chip 22 Ω

REF No.	PART No.	PART NAME
R8	P11013	Resistor chip 10K Ω
R9	P11013	Resistor chip 10K Ω
R10	P11013	Resistor chip 10K Ω
R11	P11053	Resistor chip 5.6K Ω
R12	P11015	Resistor chip 15K Ω
R13	P11039	Resistor chip 56K Ω
R14	P11015	Resistor chip 15K Ω
R15	P11014	Resistor chip 12K Ω
R16	P11052	Resistor chip 3K Ω
R17	P11013	Resistor chip 10K Ω
R18	P11018	Resistor chip 47K Ω
R19	P0618	POZ3AN-1-103N-T00
R21	P11013	Resistor chip 10K Ω
R22	P11019	Resistor chip 100K Ω
R24	P11000	Resistor chip 0 Ω
R25	P11029	Resistor chip 2.2K Ω
R26	P11029	Resistor chip 2.2K Ω
R27	P11013	Resistor chip 10K Ω
R29	P11029	Resistor chip 2.2K Ω
R30	P11002	Resistor chip 4.7 Ω
R33	P11000	Resistor chip 0 Ω
R35	P11003	Resistor chip 10 Ω
R36	P11013	Resistor chip 10K Ω
R39	P11000	Resistor chip 0 Ω
R42	P11009	Resistor chip 1K Ω
R43	P11000	Resistor chip 0 Ω
R44	P11000	Resistor chip 0 Ω
R45	P11069	Resistor chip 13K Ω
R46	P11140	Resistor chip 22 Ω
R47	P11046	Resistor chip 39 Ω
R48	P11006	Resistor chip 100 Ω
R49	P11006	Resistor chip 100 Ω
R50	P11006	Resistor chip 100 Ω
R51	P11006	Resistor chip 100 Ω
R52	P11006	Resistor chip 100 Ω
R53	P11006	Resistor chip 100 Ω
R54	P11006	Resistor chip 100 Ω
R55	P11006	Resistor chip 100 Ω
R56	P11046	Resistor chip 39 Ω
R57	P11140	Resistor chip 22 Ω

REF No.	PART No.	PART NAME
R58	P11003	Resistor chip 10 Ω
R59	P11003	Resistor chip 10 Ω
C9	P11155	Resistor chip 270K Ω
RP1	P11206	Row of resistor 22 Ω
RP2	P11206	Row of resistor 22 Ω
RP3	P11206	Row of resistor 22 Ω
CAPACITOR		
C1	P20002	Capacitor chip 22pF
C2	P20002	Capacitor chip 22pF
C5	P20015	Capacitor chip 0.1uF
C6	P20015	Capacitor chip 0.1uF
C7	P20015	Capacitor chip 0.1uF
C8	P20015	Capacitor chip 0.1uF
C78	P20015	Capacitor chip 0.1uF
C79	P20015	Capacitor chip 0.1uF
C80	P20015	Capacitor chip 0.1uF
C81	P20015	Capacitor chip 0.1uF
C82	P20015	Capacitor chip 0.1uF
C83	P20015	Capacitor chip 0.1uF
C84	P20015	Capacitor chip 0.1uF
C85	P20015	Capacitor chip 0.1uF
C86	P20015	Capacitor chip 0.1uF
C87	P20015	Capacitor chip 0.1uF
C88	P20015	Capacitor chip 0.1uF
CB1	P20015	Capacitor chip 0.1uF
CB2	P20015	Capacitor chip 0.1uF
CB3	P20015	Capacitor chip 0.1uF
CB4	P20015	Capacitor chip 0.1uF
CB5	P20015	Capacitor chip 0.1uF
CB6	P20015	Capacitor chip 0.1uF
CB7	P20015	Capacitor chip 0.1uF
CB8	P20015	Capacitor chip 0.1uF
CB9	P20015	Capacitor chip 0.1uF
CB10	P20015	Capacitor chip 0.1uF
CB11	P20015	Capacitor chip 0.1uF
CB12	P20015	Capacitor chip 0.1uF
CB13	P20015	Capacitor chip 0.1uF
CB14	P20015	Capacitor chip 0.1uF
CB15	P20015	Capacitor chip 0.1uF
CB16	P20015	Capacitor chip 0.1uF

REF No.	PART No.	PART NAME
CB17	P20015	Capacitor chip 0.1uF
CB18	P20015	Capacitor chip 0.1uF
CB19	P20015	Capacitor chip 0.1uF
CB20	P20015	Capacitor chip 0.1uF
CB21	P20015	Capacitor chip 0.1uF
CB22	P20015	Capacitor chip 0.1uF
CB23	P20015	Capacitor chip 0.1uF
CB24	P20015	Capacitor chip 0.1uF
CB25	P20015	Capacitor chip 0.1uF
CB26	P20015	Capacitor chip 0.1uF
CB27	P20015	Capacitor chip 0.1uF
CB28	P20015	Capacitor chip 0.1uF
CB29	P20015	Capacitor chip 0.1uF
CB30	P20015	Capacitor chip 0.1uF
CB31	P20015	Capacitor chip 0.1uF
CB32	P20015	Capacitor chip 0.1uF
CB33	P20015	Capacitor chip 0.1uF
CB34	P20015	Capacitor chip 0.1uF
CB35	P20015	Capacitor chip 0.1uF
CB36	P20015	Capacitor chip 0.1uF
CB37	P20015	Capacitor chip 0.1uF
CB38	P20015	Capacitor chip 0.1uF
CB39	P20015	Capacitor chip 0.1uF
CB40	P20015	Capacitor chip 0.1uF
CB41	P20015	Capacitor chip 0.1uF
CB42	P20009	Capacitor chip 1000pF
CB43	P20015	Capacitor chip 0.1uF
Q0	P31100	Ceramic CAP 10uF/16V
Q1	P31100	Ceramic CAP 10uF/16V
Q2	P31100	Ceramic CAP 10uF/16V
Q3	P31100	Ceramic CAP 10uF/16V
Q4	P31100	Ceramic CAP 10uF/16V
Q5	P31100	Ceramic CAP 10uF/16V
Q6	P31100	Ceramic CAP 10uF/16V
Q10	P20097a	GRM31CF51H475ZA01L
Q11	P31100	Ceramic CAP 10uF/16V
Q13	P20097a	GRM31CF51H475ZA01L
Q15	P31005	ECST1AD107R
Q16	P31100	Ceramic CAP 10uF/16V
Q17	P20015	Capacitor chip 0.1uF

REF No.	PART No.	PART NAME
Q22	P31100	Ceramic CAP 10uF/16V
INDUCTOR		
L1	P6659	Impedance at 100MHz:600 Ω
L2	P6659	Impedance at 100MHz:600 Ω
L3	P6659	Impedance at 100MHz:600 Ω
L4	P6659	Impedance at 100MHz:600 Ω
L5	P6681	100uH
L6	P6679	10uH
L7	P6659	Impedance at 100MHz:600 Ω
L8	P6659	Impedance at 100MHz:600 Ω
TRANSISTOR		
D1	P1200	1SS355TE Switch Diode
D2	P1200	1SS355TE Switch Diode
D3	P5771	UDZS7E-1715B
D4	P1200	1SS355TE Switch Diode
D6	P5802	NTHS5402T1
D7	P5803	UDZTE-1710B
D8	P5804	UDZTE-1718B
V1	P5750	MMST3904T146
VD1	P5722a	B240A
VD2	P5801	NCP1403
VD001	P5722a	B240A
IC		
U1	P90333	MX88L284AEC
U4	P4570c	NT56V1616AOT/7S
U5	P4570c	NT56V1616AOT/7S
U7	P90334	ATF1502ASV
U14	P90335	OP482GS-REEL7
U15	P90336	AD8531AKS-REEL7
CRYSTAL OSCILLATOR		
Y1	P6685	14.318MHz
SOCKET		
JS13	P6849	MOLEX-52437-3091
JS14	P6849	MOLEX-52437-3091
XS2	P6981	MOLEX-53261-0490
XS3	P60061	MOLEX-53261-0690
XS4	P60083	SM20B-SURS-TF SOCKET
XS5	P60083	SM20B-SURS-TF SOCKET
DVD1910 HV PCB ASS'Y		
RESISTOR		

REF No.	PART No.	PART NAME
R1	P11013	Resistor chip 10K Ω
R2	P11026	Resistor chip 1.2K Ω
R3	P11013	Resistor chip 10K Ω
R4	P11004	Resistor chip 33 Ω
R5	P11004	Resistor chip 33 Ω
R6	P11159	Resistor chip 820K Ω
R8	P11226	Resistor chip 5.1K Ω
R9	P11221	Resistor chip 1.2K Ω
R10	P11019	Resistor chip 100K Ω
R11	P11023	Resistor chip 1M Ω
CAPACITOR		
C1	P20014	Capacitor chip 47000pF
C2	P20034j	Capacitor chip 390pF
C3	P20085	Capacitor chip 2.2uF
C4	P20061	Capacitor chip 15000pF
C5	P20015	Capacitor chip 0.1uF
C6	P20012	Capacitor chip 0.01uF
C7	P31100	Ceramic CAP 10uF/16V
C8	P20042	Capacitor chip 2200pF
C9	P20042	Capacitor chip 2200pF
C10	P20031a	GHM1038SL120J3K
C11	P20012	Capacitor chip 0.01uF
TRANSISTOR		
Q1	P5700	2SB709AR
Q2	P5073a	2SD601AR
Q3	P5749	RK7002T116
Q4	P5706	DTC144EUAT106
D1	P1592	BAV99L
D2	P1592	BAV99L
ZD1	P1558	UDZSTE-175.6B
IC		
IC1	P90408	OZ9RRAG-A1-0-TR
U1	P90410	AP9962M
OTHER		
F	a7276	K12 FUSE
CN1	P6981	MOLEX-53261-0490
CN2	P7045	BHS-2P