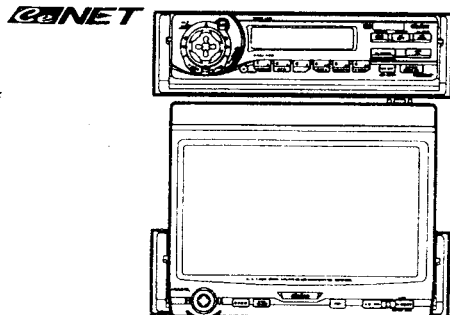


# Service Manual



6.5" Monitor & RDS-EON FM/MW/  
 LW Radio With CD/MD Changer  
 Control

Model **VRX613R**  
 (QC-6700E-C)

## SPECIFICATIONS

### Radio section

Frequency range: FM 87.5MHz to 108.0MHz  
 MW 531kHz to 1602kHz  
 LW 153kHz to 279kHz

### Audio amplifier section

Rated power output: 17W×4(20Hz to 20kHz, 1%, 4Ω)  
 Maximum power output: 40W×4  
 Speaker impedance: 4Ω(4 to 8Ω)

### Input/Output section

RGB input: Video: 0.7±0.2Vp-p  
 (input impedance 75Ω)  
 Synchronize: 0.3 +0.9/-0.1Vp-p  
 (input impedance 75Ω)  
 Video input: 1.0±0.2Vp-p  
 (Input impedance 75Ω)  
 Audio output: min. 200mVrms

### LCD monitor section

Screen size: 6.5-inch wide type  
 (142mm Width×78mm Height)  
 Display method: Transmission type TN Liquid  
 Crystal Display  
 Drive method: TFT(thin-film transistor) active  
 matrix driving  
 Pixels: 280,800(1200×234)

### General

Power source voltage: 14.4V DC  
 (10.8 to 15.6V allowable)  
 Ground: Negative  
 Current consumption: 4.0A(1W)  
 Auto antenna rated current:  
 500mA less

### Dimensions(mm):

Main unit  
 178(W)×50(H)×157(D)  
 Remote control unit  
 44(W)×110(H)×27(D)

### Weight:

Main unit 1.7kg  
 Remote control unit 30g  
 (including battery)

## NOTES

- ※ Use a CeNET extension cable that is less than 20m in length.(including the Y-adapter CCA-519)
- ※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- ※ CD-ROM discs cannot be played in the CD changer.
- ※ This unit can display title data for CD-text CDs and user titles input with this unit.
- ※ Specifications and design are subject to change without notice for further improvement.

## COMPONENTS

### QC-6700E-C

Main unit	-----	1
Remote control unit	RCB-130-310	1
Battery(SUM-3)	-----	2
Universal mounting bracket	300-9677-00	1
DCP case	335-6035-41	1
Power supply lead	854-6357-51	1
Outer escutcheon	940-7715-04	1
Parts bag(No.1)	-----	
Flat head screw(M5×8)	714-5008-41	4
Sems hexagonal bolt(M5×8)	716-0496-01	5
Parts bag(No.2)	-----	
Hook plate	331-0488-20	2
Cord clamp	335-0833-07	1
Spacer	345-3653-20	1
Screw	716-0726-01	1

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

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

### 1. Use specified parts.

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

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

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

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

### 3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for

safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 4. Caution in removal and making wiring connection to the parts for the automobile.

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

### 5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

### 6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

### 7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

## ■ ERROR DISPLAYS

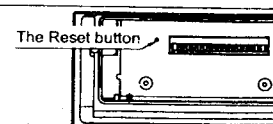
If an error occurs, one of the following displays is displayed. Take the measures described below to eliminate the problem.

	Error display	Cause	Measure
CD	ERROR 2	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism.
	ERROR 3	A CD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
CD changer	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD changer	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down. Displayed when a non-recorded MD is loaded in the MD changer.	Eject the disc then reload it properly. Load a pre-recorded MD in the MD changer.

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

## ■ TROUBLESHOOTING

Problem	Cause	Measure
Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunction due to noise, etc.	Turn off the power, then press the RELEASE lever and remove the DCP. Press the Reset button for about 2 seconds with a thin rod.



# EXPLANATION OF IC

052-6043-02 M30624MG-D58GP AV Center System Controller  
(Tuner, LCD panel, Ce-NET, RDS, Volume IC)

## 1. Terminal Description

pin 1: LCD COLOR : O: Color control signal output to LCD panel.  
pin 2: LCD HUE : O: Hue control signal output to LCD panel.  
pin 3: IR IN : IN: Signal input from Remote controller.  
pin 4: AMP REM OUT: O: Amplifier ON signal output terminal.  
pin 5: RDS CLOCK : IN: RDS clock input from RDS decoder.  
pin 6: BYTE : IN: Connect to ground.  
pin 7: CNVSS : IN: Connect to ground.  
pin 8: SUB CLCK I : IN: Crystal connection for sub clock.  
pin 9: SUB CLCK O : O: Crystal connection for sub clock.  
pin 10: RESET\_ : IN: Reset signal input. Negative logic.  
pin 11: X OUT : O: Crystal connection for main clock(10MHz).  
pin 12: VSS : - : Ground.  
pin 13: X IN : IN: Crystal connection for main clock(10MHz).  
pin 14: VCC : - : Positive supply voltage.  
pin 15: NMI : IN: Not in use.  
pin 16: ACC DET : IN: ACC ON signal input.  
pin 17: B/U DET : IN: Backup voltage ON signal input.  
"L"=Backup OFF.  
pin 18: OPEN/CLOSE : IN: Open/close key input.  
pin 19: 27pinCONNECT: IN: IE bus data detect.  
pin 20: ACC +B ON : O: LCD back light ON signal output.  
pin 21: AV 5V ON : O: 5V power supply ON signal output.  
pin 22: NU : IN: Not in use.  
pin 23: PANEL ON : O: LCD panel power on signal output.  
pin 24: BRT : O: LCD panel brightness control signal output.  
pin 25: NU : IN: Not in use.  
pin 26: IR OUT : O: Signal output to Remote controller.  
pin 27: IE BUS RX : IN: IE Bus communication line.  
pin 28: IE BUS TX : O: IE Bus communication line.  
pin 29: OSD DO : O: Serial data output to OSD IC.  
pin 30: OSD STB : O: Serial strobe output to OSD IC.  
pin 31: OSD SCK : O: Clock pulse output to OSD IC.  
pin 32: PLL CE : O: PLL chip enable signal output.  
pin 33: PLL DO : O: PLL serial data output.  
pin 34: PLL DI : IN: PLL serial data input.  
pin 35: PLL SCK : O: PLL serial clock output.  
pin 36: FM STEREO\_ : IN: FM stereo detection signal input.  
"L"= Stereo.  
pin 37: NU : IN: Not in use.  
pin 38: NU : IN: Not in use.  
pin 39: AV ON : O: Power supply control signal output.  
pin 40: OSD TSC : O: OSD external memory control signal output.  
pin 41: NU : IN: Not in use.  
pin 42: VOL CLK : O: Clock pulse output to electric volume IC.  
pin 43: VOL DO : O: Serial data output to electric volume IC.  
pin 44: OPEN : IN: Panel open detection signal input.  
pin 45: CLOSE : IN: Panel close detection signal input.  
pin 46: NU : O: Not in use.  
pin 47: PAL\_/NTSC : O: "L"= PAL, "H"= NTSC.  
pin 48: EXIO STB : O: Strobe pulse output to the extended ports IC.  
pin 49: SEL 2 : IN: AUX IN select signal input. Ref table 1.  
pin 50: SEL 3 : IN: AUX IN select signal input. Ref table 1.  
pin 51: NU : IN: Not in use.  
pin 52: NU : IN: Not in use.  
pin 53: NU : IN: Not in use.  
pin 54: NU : IN: Not in use.  
pin 55: V SEL 1 : O: Image source select signal output.  
Ref. Table 2.  
pin 56: V SEL 2 : O: Image source select signal output.  
Ref. Table 2.  
pin 57: BLANK : O: Blanking signal output.  
pin 58: NV ON : O: "H"= Navigation RGB, "L"= OSD RGB.  
pin 59: VIDEO\_/RGB : O: Image select signal input.  
"H"= OSD, RGB navigation.  
"L"= Black box tuner, Composite navigation.  
pin 60: VCC : - : Positive supply voltage.  
pin 61: NU : IN: Not in use..

pin 62: VSS : IN: Ground.  
pin 63: IR SEL : O: Remote control signal select.  
"L"= Optical input. "H"= Micro computer signal output.  
pin 64: NU : IN: Not in use.  
pin 65: MOTOR F : O: "L"= Open.  
pin 66: MOTOR R : O: "L"= Close.  
pin 67: MOTOR ON : O: Motor power supply ON signal output.  
pin 68: AMP MUTE : O: "H"= Amplifier Mute.  
pin 69: NAVI MUTE : O: "L"= Navigation audio signal ON.  
pin 70: KEY REQ : IN: LCD driver key request signal input.  
pin 71: ILL DETEC\_ : IN: Illumination detect signal input.  
Negative logic.  
pin 72: TILT\_ : IN: "L"= Tilt, "H"= Horizontal.  
pin 73: POWER SW : IN: Power key switch input.  
pin 74: SYSTM MUTE : O: System mute.  
pin 75: LINE MUTE : O: Line mute.  
pin 76: BUS A OUT : O: Ce-NET bus input control.  
"L"= Audio input.  
"H"= Audio output.  
pin 77: SYSTM ACC : O: Ce-NET bus system ACC.  
pin 78: NU : IN: Not in use.  
pin 79: AMP STNBY\_ : O: "H"= Amplifier ON.  
pin 80: NU : O: Not in use.  
pin 81: PHON INT : IN: Telephone interrupt signal input.  
pin 82: NU : IN: Not in use.  
pin 83: NU : IN: Not in use.  
pin 84: FM SD : IN: FM SD input.  
pin 85: AM SD : IN: AM SD input.  
pin 86: RDS DATA : IN: RDS data input.  
pin 87: RDS DIS CH : O: RDS noise clear.  
pin 88: RDS MUTE : O: RDS mute.  
pin 89: S METER : IN: S meter input.  
pin 90: NOISE 1 : IN: RDS noise detector input.  
pin 91: NU : IN: Not in use.  
pin 92: NU : IN: Not in use.  
pin 93: SD SPEED : O: Station detect speed control.  
"H"= Normal, "L"= Speed up.  
pin 94: A VSS : - : Ground.  
pin 95: DCP CE : O: DCP chip enable.  
pin 96: Vref : - : Connect to ground.  
pin 97: +5V : - : +5V.  
pin 98: DCP DI : IN: DCP Serial data input.  
pin 99: DCP DO : O: DCP serial data output.  
pin100: DCP CK : O: DCP clock pulse output.

Table 1. AUX IN select signal input

	Sel3(pin50)	Sel2(pin49)
No connection	L	L
No connection	L	H
Image signal interrupt	H	L
Image sound signal interrupt	H	H

Table 2. Image source select signal output.

	Vsel 2(pin56)	Vsel 1(pin55)
Video mute	L	L
Navigation	L	H
Black box tuner	H	L
Black box tuner	H	H

## SYSTEM CHECK

- ※ The confirmation of connected equipment must be performed for this unit only when the wiring connection is complete and power is turned on to the unit first. When the power is supplied, "SYSTEM" and "PUSH PWR" appear alternately in the display. Press the POWER button, the system check starts inside the unit. When "COMPLETE" appears, press once again the POWER button.

## ADJUSTMENTS

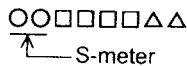
### Dot clock adjustment(at Digital PWB)

1. Turn the screen on, and connect TP601(TEST) to GND.
2. Adjust TC601 so that the reading of the frequency counter at TP602(VSYNC) is  $12\text{MHz} \pm 0.02\text{MHz}$ .

### S-meter adjustment(at tuner pack)

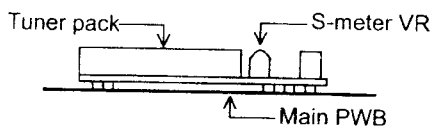
1. Input the  $98.1\text{MHz}/30\text{dB}\mu$  ( $400\text{Hz}$ , 30% MOD) signal.
2. To make a test mode, press the preset button 6 more than 1 second while holding the PLAY/PAUSE button.
3. Adjust s-meter VR of the tuner pack so that the reading of the display is "28".

#### ● Test mode display



—Fig.1—

#### ● Side view of the main PWB

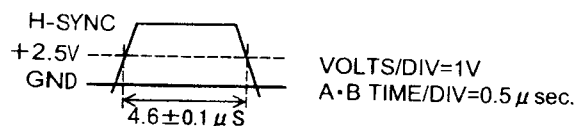


—Fig.2—

### H-sync adjustment(at LCD and LCD PWB)

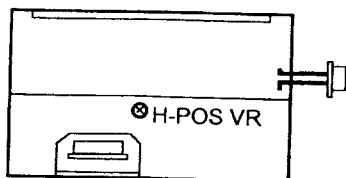
1. Adjust H-POS VR of the LCD module so that the width of H-SYNC pulse at 2.5V is  $4.6 \pm 0.1 \mu\text{sec}$ .

#### ● HSY wave form



—Fig.3—

#### ● Reverse side view of LCD



—Fig.4—

### DC-DC converter output voltage adjustment (at LCD PWB)

1. Adjust VR701 so that the voltage of TP703 is  $5.3 \pm 0.02\text{V}$ .
2. Make sure the voltage has become the following value at each test point.  
TP702 :  $7.5 \pm 0.5\text{V}$   
TP704 :  $13.0 \pm 0.5\text{V}$   
TP701 :  $-16.0 \pm 0.5\text{V}$

### Frequency of IC706 adjustment(at LCD PWB)

1. Adjust VR708 so that the frequency of TP712 is  $144\text{kHz}$ .

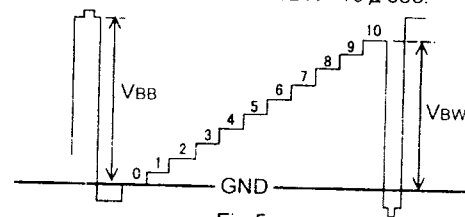
### VIDEO signal adjustment(at LCD PWB)

(1~7:NTSC, 8:PAL)

Input the visual signal(10step wave, monochrome, APL=50%, 1.0Vp-p) to the VIDEO input.

#### ● 10step wave

VOLTS/DIV=0.1V(10:1PROVE)  
A·B TIME/DIV=10 μ sec.



—Fig.5—

#### 1. BRIGHT voltage confirmation

Make sure the voltage of TP706 is  $2.0 \pm 0.1\text{V}$ .

#### 2. γ0 voltage confirmation

Make sure the voltage of TP707 is  $1.95 \pm 0.1\text{V}$ .

#### 3. γ2 voltage confirmation

Make sure the voltage of TP708 is  $2.15 \pm 0.1\text{V}$ .

#### 4. RGB-AMP/CONT-G adjustment

Adjust VR707(RBG AMP) so that VBB voltage of TP710 is  $4.0 \pm 0.05\text{V}$ .

Adjust VR703(CONT) so that VBW voltage of TP710 is  $3.8 \pm 0.05\text{V}$ .

#### 5. BRT-R Adjustment

Adjust VR705(BRT-R) so that VBB voltage of TP711 is  $4.0 \pm 0.05\text{V}$ .

#### 6. BRT-B Adjustment

Adjust VR706(BRT-B) so that VBB voltage of TP709 is  $4.0 \pm 0.05\text{V}$ .

#### 7. COM-AMP adjustment

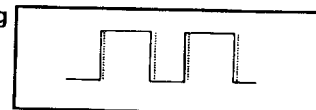
Adjust VR704(COM-AMP) so that the amplitude of TP705 is  $8.0 \pm 0.1\text{Vp-p}$ .

#### 8. Burst cleaning adjustment

Input a color bar signal.

Adjust L709 so that the wave form of TP709 is in focus.

#### ● Burst cleaning



—Fig.6—

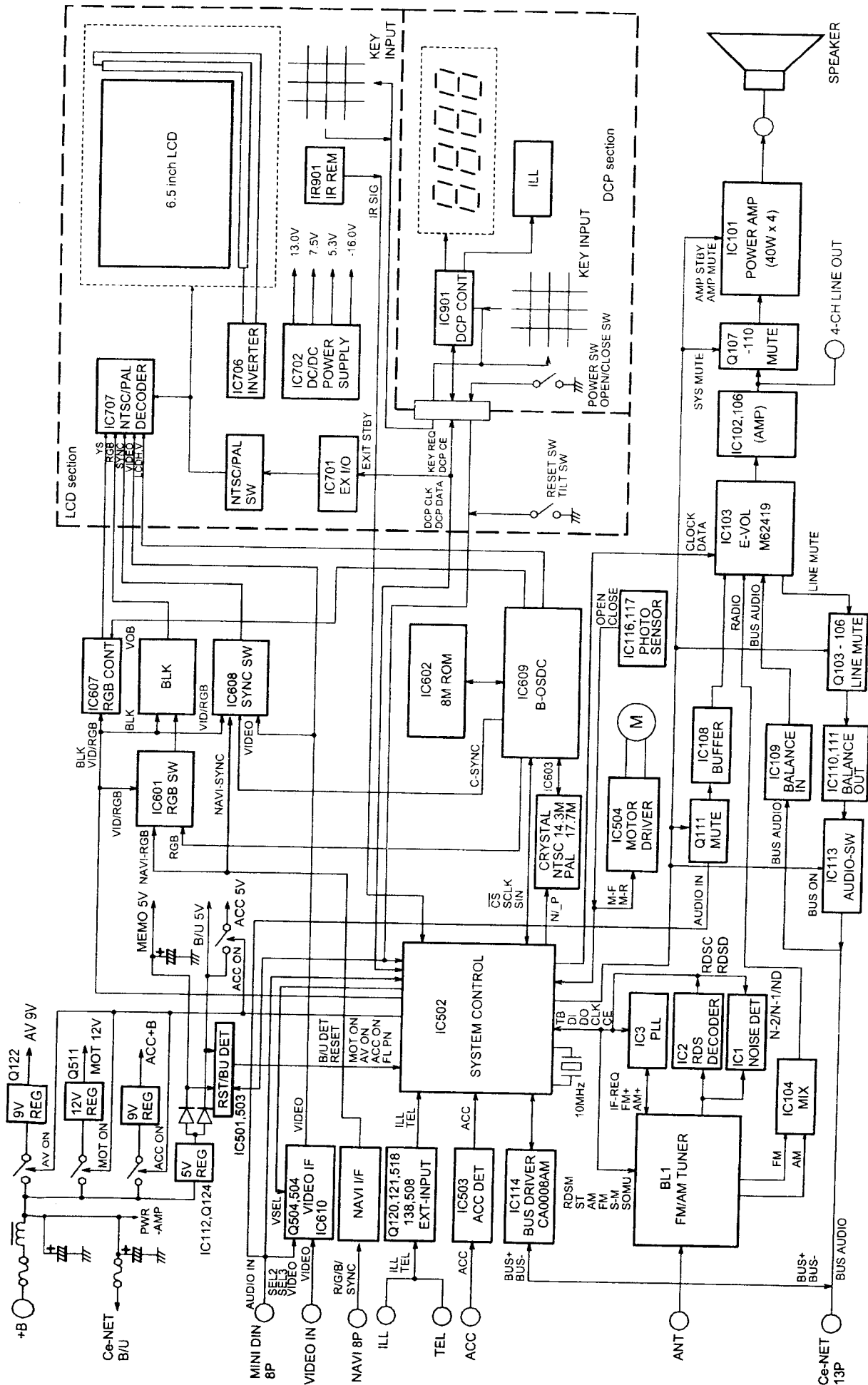
### VCOM DC bias adjustment

Adjust VR702(VCOM DC) to obtain the optimum contrast.





**BLOCK DIAGRAM**



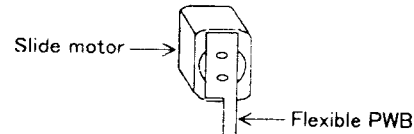
NO.	PART NO.	DESCRIPTION	Q'TY
22	060-8021-07	AUTO FUSE(15A)	1
23	345-3799-20	CAP	5
24	347-6136-00	FLEXIBLE PWB GUIDE	1
25	286-9601-11	SETPLATE	1
26	750-3137-00	SPRING	2
27	714-5008-41	MACHINE SCREW(M5X8)	2
28	347-6153-00	SHIELD SHEET	1
29	347-6113-00	SHIELD SHEET	1

NO.	PART NO.	DESCRIPTION	Q'TY
30	331-2790-00	SHIELD CASE	1
31	855-1428-00	RCA/8PDIN CORD	1
32	714-3005-80	MACHINE SCREW(M3X5)	3
33	092-0701-02	ANTENNA RECEPTACLE	1
34	714-2606-80	MACHINE SCREW(M2.6X6)	2
35	880-2084C	FM/AM TUNER PACK	1
36	353-0249-00	SHADE	1
37	855-5427-51	RCA CORD(AUDIO)	1

## How to release LCD module

Refer to the exploded view of the main section on page 6

1. Remove the machine screws(No.27x2) and the springs(No.26x2).
2. Remove the IT screws(No.18x4) and the tap screw(No.16x3) in order to release the lower case(No.11).
3. Remove the escutchen(No.2) and the main PWB assembly(No.9).
4. Pull out the LCD module, and release the flexible PWB of the LCD module from the motor of the slide mechanism assembly(No.5). (Fig.7)



—Fig.7—

5. Release the hooks of the Flexible PWB cover(No.1) from the LCD module and the slide mechanism assembly(No.5).
6. Remove the flexible PWB cover(No.1) and the IT screws(No.14x4).

DCP section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-6084-40	ILLUMI PLATE	1
2	370-5828-70	ECSUTCHEON	1
3	331-2770-00	SPACER	1
4	335-6082-00	LEVER(Release)	1
5	750-6696-20	SPRING	1
6	947-0495-51	BUTTON ASSY	1
7	371-3912-20	TRIM PLATE	1
8	335-6081-00	BACK PLATE	1
9	382-5455-50	BUTTON(RPT)	1
10	382-5470-50	BUTTON(SCN/RDM/Z-E/TA)	1
11	382-5468-30	BUTTON(BAND)	1
12	382-5467-30	BUTTON(FUNC)	1
13	382-5466-30	BUTTON(PLAY/PAUSE)	1
14	947-0498-00	KNOB ASSY	1
15	331-2771-00	LCD COVER	1
16	379-1162-41	INDICATOR(FOR DCP)	1

NO.	PART NO.	DESCRIPTION	Q'TY
17	345-8389-20	RUBBER CONNECTOR	1
18	347-5336-00	FILM	1
19	347-6617-00	CCS FILM	1
20	335-5138-00	ILLUMI PLATE	1
21	347-5335-00	REFLECTOR	1
22	001-7046-01	LED	2
23	039-1528-20	DCP PWB (WITHOUT COMPONENT)	1
24	347-6155-00	INSULATOR	1
25	347-6115-20	SHADE	1
26	716-0872-11	PAD SCREW	6
27	347-2061-00	LABEL	1
28	347-6463-00	SPACER	1
29	345-3957-20	RUBBER SPACER	2
30	DCP-366-700	DCP ASSY	1

LCD module section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-5147-00	EJECTOR	2
2	750-6697-20	SPRING	1
3	347-5187-21	GUIDE LABEL	1
4	335-6078-00	DCP COVER	1
5	948-0539-00	HOOK-P-ASSY	1
6	373-0909-50	DIAL COVER	1
7	382-5456-50	BUTTON(IN/OUT)	1
8	335-6077-00	IR FILTER	1
9	382-5457-50	BUTTON(MENU/VIEW)	1
10	380-5452-00	KNOB(JOG)	1
11	039-1545-20	LCD PWB (WITHOUT COMPONENT)	1
12	379-4025-00	INDICATOR(6.5inch)	1
13	331-2710-00	LCD BRACKET A	1
14	331-2711-00	LCD BRACKET B	1
15	377-2613-30	DIAL SUPPORT	1
16	335-5161-00	LOCK	2
17	335-6089-00	CONNECT COVER	1

NO.	PART NO.	DESCRIPTION	Q'TY
18	039-1521-00	FLEXIBLE PWB	1
19	378-0515-00	BADGE(Clarion)	1
20	816-2439-50	FLAT WIRE	1
21	347-6110-00	INSULATOR	1
22	331-2789-00	SHIELD CASE	1
23	702-2605-80	TAP SCREW(2.6X5)	4
24	716-0872-02	PAD SCREW	6
25	702-2606-87	TAP SCREW(2.6X6)	4
26	702-2006-89	TAP SCREW(2.6X6)	2
27	702-2010-87	TAP SCREW(M2X10)	5
28	345-8378-00	SPACER	1
29	335-6076-00	REFLECTOR	2
30	347-6114-00	SHADE	1
31	347-5422-00	SHIELD SHEET	1
32	347-6154-00	SHIELD SHEET	1
33	750-6701-00	SPRING	1
34	347-6371-00	SPACER	2

Main section

NO.	PART NO.	DESCRIPTION	Q'TY
1	335-6075-00	FLEXIBLE PWB COVER	1
2	370-5829-30	ESCUTCHEN	1
3	948-0523-00	TORQUE BUSH L	1
4	948-0523-10	TORQUE BUSH R	1
5	948-0530-20	SLIDE MECH ASSY(cf.p9)	1
6	039-1915-00	DIGITAL PWB (WITHOUT COMPONENT)	1
7	331-2712-00	PWB HOLDER A	2
8	331-2713-00	PWB HOLDER B	1
9	039-1914-00	MAIN PWB (WITHOUT COMPONENT)	1
10	331-2714-10	CONNECTOR PLATE	1

NO.	PART NO.	DESCRIPTION	Q'TY
11	311-1778-01	LOWER CASE	1
12	313-1761-00	HEAT SINK	1
13	347-6111-00	INSULATOR	1
14	780-2606-03	IT SCREW(M2.6X6)	4
15	780-2605-02	MACHINE SCREW(M2.6X5)	4
16	731-2605-80	TAP SCREW(M2.6X5)	3
17	714-2610-80	MACHINE SCREW(M2.6X10)	2
18	716-1494-00	IT SCREW	4
19	780-2615-00	MACHINE SCREW(M2.6X15)	2
20	020-3042-00	FAN	1
21	331-2727-00	FAN COVER	1

# ELECTRICAL PARTS LIST

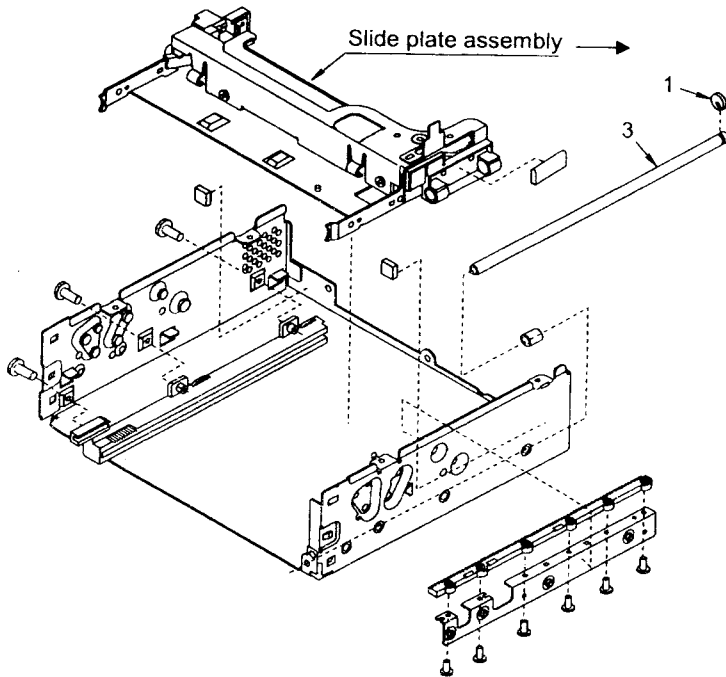
Main PWB section(B1)

Note) Several different parts of the same reference number are alternative parts.  
One of those parts is used in the set.

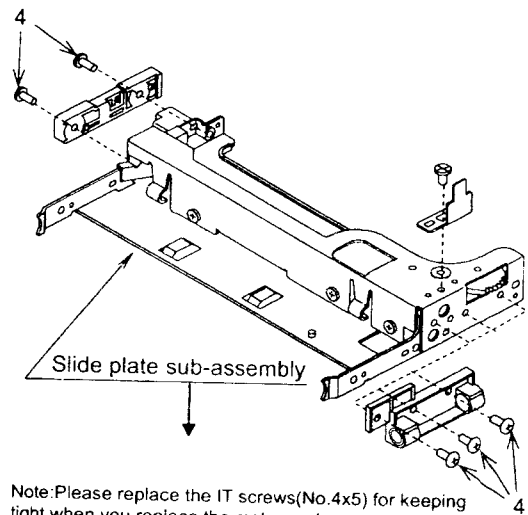
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
BL1	880-2084C	FM/AM TUNER	C124	042-0592-70	50V0.22 $\mu$ F	C214	166-2201-50	22pF CH
C1	168-1032-55	0.01 $\mu$ F	C125	042-0592-70	50V0.22 $\mu$ F	C215	042-0592-66	35V 4.7 $\mu$ F
C2	042-0595-80	50V2.2 $\mu$ F	C126	168-1045-56	0.1 $\mu$ F	C216	166-2201-50	22pF CH
C3	042-0595-80	50V2.2 $\mu$ F	C127	168-3322-55	3300pF	C217	042-0592-66	35V 4.7 $\mu$ F
C4	166-1801-50	18pF CH	C129	166-4701-50	47pF CH	C218	168-1032-55	0.01 $\mu$ F
C5	168-2232-55	0.022 $\mu$ F	C130	042-0592-58	16V10 $\mu$ F	C219	163-1073-35	16V100 $\mu$ F
C6	163-2263-35	16V22 $\mu$ F	C132	042-0595-80	50V2.2 $\mu$ F	C220	168-1032-55	0.01 $\mu$ F
C7	168-3322-55	3300pF	C134	184-2283-32	16V2200 $\mu$ F	C221	163-1073-35	16V100 $\mu$ F
C8	168-4732-78	0.047 $\mu$ F	C135	042-0595-79	50V1 $\mu$ F	C222	168-1032-55	0.01 $\mu$ F
C9	168-2232-55	0.022 $\mu$ F	C137	168-1032-55	0.01 $\mu$ F	C223	163-1073-35	16V100 $\mu$ F
C10	168-2232-55	0.022 $\mu$ F	C138	042-0595-62	16V10 $\mu$ F	C224	042-0635-50	10V47 $\mu$ F
C11	168-3932-78	0.039 $\mu$ F	C139	042-0595-62	16V10 $\mu$ F	C225	168-2232-55	0.022 $\mu$ F
C12	168-6822-55	6800pF	C141	166-4701-50	47pF CH	C226	168-1045-56	0.1 $\mu$ F
C13	168-2222-55	2200pF	C142	042-0592-58	16V10 $\mu$ F	C227	168-1045-56	0.1 $\mu$ F
C14	168-1022-55	1000pF	C143	042-0592-59	16V22 $\mu$ F	C228	172-1041-11	0.1 $\mu$ F
C15	168-2232-55	0.022 $\mu$ F	C144	042-0592-66	35V 4.7 $\mu$ F	C231	042-0592-66	35V 4.7 $\mu$ F
C16	168-1022-55	1000pF	C145	042-0595-66	25V4.7 $\mu$ F	C232	042-0592-66	35V 4.7 $\mu$ F
C17	168-2232-55	0.022 $\mu$ F	C146	042-0592-58	16V10 $\mu$ F	C233	042-0595-62	16V10 $\mu$ F
C18	168-2232-55	0.022 $\mu$ F	C147	042-0592-74	50V 2.2 $\mu$ F	C234	042-0595-62	16V10 $\mu$ F
C19	168-2232-55	0.022 $\mu$ F	C148	168-2212-55	220pF	C235	168-1032-55	0.01 $\mu$ F
C20	168-2212-55	220pF	C149	178-1055-79	1 $\mu$ F	C236	042-0595-62	16V10 $\mu$ F
C21	166-8201-50	82pF CH	C150	166-2201-50	22pF CH	C242	042-0595-64	16V33 $\mu$ F
C22	042-0595-80	50V2.2 $\mu$ F	C152	168-6832-78	0.068 $\mu$ F	C251	168-1022-55	1000pF
C23	166-4701-50	47pF CH	C153	168-1022-55	1000pF	C252	168-1022-55	1000pF
C24	168-3312-55	330pF	C154	042-0595-62	16V10 $\mu$ F	C253	168-1022-55	1000pF
C25	166-1011-50	100pF CH	C155	168-6822-55	6800pF	C254	168-1022-55	1000pF
C26	166-1011-50	100pF CH	C156	042-0592-59	16V22 $\mu$ F	D1	001-0541-90	MA157
C27	166-1011-50	100pF CH	C157	042-0592-58	16V10 $\mu$ F	D2	001-0529-31	MA8056-L
C29	042-0595-65	16V47 $\mu$ F	C158	168-1045-56	0.1 $\mu$ F	D101	001-0516-90	MA111
C30	168-4732-78	0.047 $\mu$ F	C159	042-0592-73	50V1 $\mu$ F	D102	001-0516-90	MA111
C32	042-0595-65	16V47 $\mu$ F	C160	166-4701-50	47pF CH	D103	001-2606-90	M1FS4
C33	168-1045-56	0.1 $\mu$ F	C161	042-0592-58	16V10 $\mu$ F	D104	001-2606-90	M1FS4
C34	042-0595-79	50V1 $\mu$ F	C162	042-0592-58	16V10 $\mu$ F	D105	001-2606-90	M1FS4
C35	168-1045-56	0.1 $\mu$ F	C165	168-1032-55	0.01 $\mu$ F	D106	001-2606-90	M1FS4
C36	168-2212-55	220pF	C173	168-1032-55	0.01 $\mu$ F	D111	001-0516-90	MA111
C37	168-8222-55	8200pF	C174	178-1055-79	1 $\mu$ F	D112	001-0516-90	MA111
C38	166-1011-50	100pF CH	C175	042-0595-84	10V100 $\mu$ F	D113	001-0516-90	MA111
C40	168-1222-55	1200pF	C176	042-0595-84	10V100 $\mu$ F	D114	001-0592-00	RM4Z
C41	166-1501-50	15pF CH	C177	168-1032-55	0.01 $\mu$ F	D115	001-0516-90	MA111
C42	166-1801-50	18pF CH	C178	042-0595-62	16V10 $\mu$ F	D116	001-0356-91	1SS184
C43	042-0595-79	50V1 $\mu$ F	C180	042-0595-62	16V10 $\mu$ F	D117	001-2403-90	M1F60
C44	042-0595-79	50V1 $\mu$ F	C181	184-2283-32	16V2200 $\mu$ F	D118	001-0516-90	MA111
C46	168-1022-55	1000pF	C182	166-2201-50	22pF CH	D119	001-0516-90	MA111
C47	168-1022-55	1000pF	C183	172-1041-11	0.1 $\mu$ F	D120	001-0516-90	MA111
C48	168-1022-55	1000pF	C184	042-0595-62	16V10 $\mu$ F	D121	001-0529-46	MA8091-L
C49	166-1011-50	100pF CH	C186	042-0592-58	16V10 $\mu$ F	D122	001-0516-90	MA111
C50	166-1011-50	100pF CH	C187	042-0592-58	16V10 $\mu$ F	D123	001-2403-90	M1F60
C51	166-1011-50	100pF CH	C188	042-0592-58	16V10 $\mu$ F	D124	001-0529-48	MA8091-H
C57	166-1011-50	100pF CH	C189	166-2201-50	22pF CH	D150	001-0529-25	MA8047-L
C58	166-1011-50	100pF CH	C190	042-0595-62	16V10 $\mu$ F	F101	060-8023-58	3A
C102	166-4701-50	47pF CH	C191	042-0592-58	16V10 $\mu$ F		020-3042-00	FAN
C103	168-1045-56	0.1 $\mu$ F	C192	168-1032-55	0.01 $\mu$ F	IC1	051-0350-93	NJM4558M
C104	042-0592-58	16V10 $\mu$ F	C193	042-0595-62	16V10 $\mu$ F	IC2	051-1819-50	TDA7479D
C105	166-2201-50	22pF CH	C194	168-1032-55	0.01 $\mu$ F	IC3	051-6201-90	LC72146M
C106	042-0592-58	16V10 $\mu$ F	C195	042-0592-58	16V10 $\mu$ F	IC101	051-2023-01	TA8260AH
C107	042-0592-73	50V1 $\mu$ F	C196	042-0592-58	16V10 $\mu$ F	IC102	051-0350-93	NJM4558M
C108	042-0592-74	50V 2.2 $\mu$ F	C197	042-0592-58	16V10 $\mu$ F	IC103	051-5008-90	M62419FP
C109	168-6822-55	6800pF	C198	042-0592-58	16V10 $\mu$ F	IC104	051-0350-93	NJM4558M
C110	166-2201-50	22pF CH	C199	042-0592-58	16V10 $\mu$ F	IC105	051-0350-93	NJM4558M
C111	166-2201-50	22pF CH	C200	042-0595-62	16V10 $\mu$ F	IC106	051-0350-93	NJM4558M
C112	168-6832-78	0.068 $\mu$ F	C201	166-2201-50	22pF CH	IC107	051-1250-08	TC4S66F
C113	168-1022-55	1000pF	C202	042-0592-66	35V 4.7 $\mu$ F	IC108	051-0350-93	NJM4558M
C114	168-2212-55	220pF	C203	166-2201-50	22pF CH	IC109	051-0350-93	NJM4558M
C115	168-1032-55	0.01 $\mu$ F	C204	042-0595-62	16V10 $\mu$ F	IC110	051-0350-93	NJM4558M
C116	178-1055-79	1 $\mu$ F	C205	168-1032-55	0.01 $\mu$ F	IC111	051-0350-93	NJM4558M
C118	042-0592-66	35V 4.7 $\mu$ F	C207	166-2201-50	22pF CH	IC112	051-3201-00	AN77L06
C119	042-0592-59	16V22 $\mu$ F	C209	166-2201-50	22pF CH	IC113	051-7232-08	74VHC4066M
C120	042-0592-58	16V10 $\mu$ F	C210	042-0595-62	16V10 $\mu$ F	IC114	051-6600-38	CA0008AM
C121	042-0595-62	16V10 $\mu$ F	C211	168-1032-55	0.01 $\mu$ F	IC116	051-5801-00	GP1S53V
C122	042-0592-70	50V0.22 $\mu$ F	C212	042-0592-58	16V10 $\mu$ F	IC117	051-5801-00	GP1S53V
C123	042-0592-70	50V0.22 $\mu$ F	C213	042-0592-66	35V 4.7 $\mu$ F	J101	074-1238-00	16P

# EXPLODED VIEW • PARTS LIST

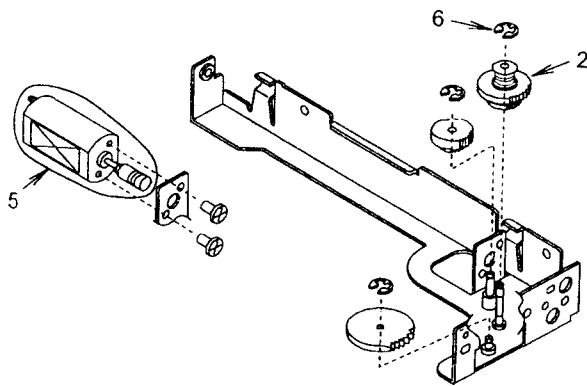
Slide mechanism section : 948-0530-20



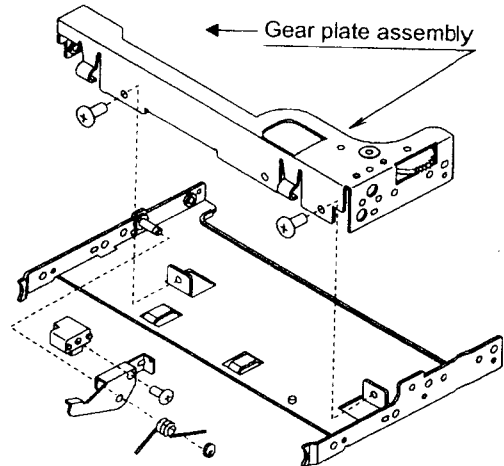
Slide plate assembly



Gear plate assembly



Slide plate sub-assembly



NO.	PART NO.	DESCRIPTION	Q'TY
1	744-0041-00	E-RING	1
2	634-0016-00	GEAR ASSY	1
3	612-0402-00	SHAFT	1

NO.	PART NO.	DESCRIPTION	Q'TY
4	780-2606-03	IT SCREW	5
5	634-0017-00	MOTOR ASSY	1
6	743-1500-01	E-RING	1

## Caution for the replacement of the motor assembly

After you replaced the motor assembly with new one, please make sure that the current of the motor assembly is 50mA or less when you input 8V as the power voltage.

If the current is over 50mA, loosen the screws, and adjust the position of the motor assembly.

Then tighten the screws, and check the current again.

REF No.	PART No.	DESCRIPTION
R265	119-2721-15	1/16W 2.7kΩ
SUP1	060-0122-10	DSP-201M-S00B

REF No.	PART No.	DESCRIPTION
T101	009-0659-01	0.35mH
X1	061-3013-00	4.33MHz

REF No.	PART No.	DESCRIPTION
X2	061-1066-00	7.2MHz

Digital PWB section(B2)

REF No.	PART No.	DESCRIPTION
C501	168-1022-55	1000pF
C502	042-0595-62	16V10 μF
C503	166-1501-50	15pF CH
C504	166-1501-50	15pF CH
C505	168-1022-55	1000pF
C507	168-1032-55	0.01 μF
C508	042-0595-56	6.3V47 μF
C509	168-1022-55	1000pF
C510	043-0296-50	0.1 μF
C511	168-1032-55	0.01 μF
C512	168-4732-78	0.047 μF
C513	168-1022-55	1000pF
C514	178-2242-78	0.22 μF
C515	168-1045-56	0.1 μF
C516	168-1032-55	0.01 μF
C517	042-0595-65	16V47 μF
C518	042-0559-00	5.5V0.1 μF
C519	168-1032-55	0.01 μF
C520	168-1032-55	0.01 μF
C521	042-0595-65	16V47 μF
C522	168-1022-55	1000pF
C523	168-1022-55	1000pF
C524	168-1022-55	1000pF
C525	168-1022-55	1000pF
C526	166-1011-50	100pF CH
C527	166-1011-50	100pF CH
C601	042-0595-53	4V220 μF
C602	178-1055-79	1 μF
C603	042-0595-53	4V220 μF
C604	178-1055-79	1 μF
C605	042-0595-53	4V220 μF
C606	178-1055-79	1 μF
C607	042-0595-53	4V220 μF
C608	178-1055-79	1 μF
C609	178-1055-79	1 μF
C610	042-0472-90	10V47 μF
C611	168-1045-56	0.1 μF
C612	168-1045-56	0.1 μF
C613	166-1007-50	10pF CH
C614	042-0472-90	10V47 μF
C615	168-1032-55	0.01 μF
C616	166-1007-50	10pF CH
C617	168-1045-56	0.1 μF
C618	168-1045-56	0.1 μF
C619	168-1045-56	0.1 μF
C620	168-1045-56	0.1 μF
C621	178-1055-79	1 μF
C622	168-1045-56	0.1 μF
C623	166-4701-50	47pF CH
C624	166-4701-50	47pF CH
C625	042-0595-66	25V4.7 μF
C626	168-1045-56	0.1 μF
C627	178-1055-79	1 μF
C628	168-1032-55	0.01 μF
C629	168-1022-55	1000pF
C630	168-1022-55	1000pF
C631	178-1055-79	1 μF
C632	178-1055-79	1 μF
C633	168-1022-55	1000pF
C634	168-1022-55	1000pF
C635	168-1022-55	1000pF
C636	168-1022-55	1000pF
C637	168-3312-55	330pF
CCT502	050-0122-58	1/16W470Ω X4 J
CCT601	050-0122-64	1/16W330Ω X4 J
CCT602	050-0122-64	1/16W330Ω X4 J
CCT603	050-0122-51	1/16W47kΩ X4 J
CCT604	050-0122-51	1/16W47kΩ X4 J

REF No.	PART No.	DESCRIPTION
CCT605	050-0122-64	1/16W330Ω X4 J
CCT606	050-0122-64	1/16W330Ω X4 J
CCT607	050-0122-50	1/16W10kΩ X4 J
CCT608	050-0122-64	1/16W330Ω X4 J
CCT609	050-0122-64	1/16W330Ω X4 J
CCT610	050-0122-64	1/16W330Ω X4 J
D501	001-0516-90	MA111
D504	001-0516-90	MA111
D505	001-0516-90	MA111
D506	001-0537-90	SFPM-62
D508	001-0537-90	SFPM-62
D509	001-0516-90	MA111
D511	001-0584-23	MA8075
D512	001-0584-32	MA8180
D513	001-0529-57	MA8120-H
D601	001-0367-91	1SS226
D602	001-0367-91	1SS226
D603	001-0367-91	1SS226
D604	001-0367-91	1SS226
D605	001-0367-91	1SS226
D606	001-0367-91	1SS226
D607	001-0516-90	MA111
IC501	051-1822-08	S-80732AN-DW-X
IC502	052-6043-02	M30624MG-D58GP
IC503	051-0869-58	NJM2103M
IC504	051-1014-08	TA7291F
IC505	051-1527-08	TC4W53F
IC601	051-1478-08	TC74HC4053AF
IC602	052-6044-02	MSM38002E-T1TS-AKF9
IC603	051-7100-08	TC4W66F-TE12L
IC607	051-1549-08	TC7W32F
IC608	051-5306-90	MM1117XF
IC609	051-6412-00	MB90092PF-G-BND
IC610	051-5306-90	MM1117XF
IC611	051-7229-08	TC7W74FU
IC612	051-1855-08	TC7W14F
IC613	051-0616-38	MC14538BF
J501	074-1205-88	38P
L501	010-2199-62	1 μH
L601	010-2279-50	4.7 μH
L602	010-2279-50	4.7 μH
L603	010-2329-50	5.6 μH
P1	076-0621-14	PLUG(14P)
P101	076-0621-19	PLUG(19P)
P103	076-0621-17	PLUG(17P)
P601	076-0313-07	PLUG(7P)
Q501	192-2712-00	2SC2712
Q502	192-2712-00	2SC2712
Q503	125-2004-92	RN1402
Q504	125-0021-97	DTA113ZU
Q505	125-0021-97	DTA113ZU
Q506	125-2004-93	RN1403
Q507	192-2712-00	2SC2712
Q508	190-1162-00	2SA1162
Q511	192-2873-00	2SC2873
Q514	125-0021-91	DTA114EU
Q515	192-2712-00	2SC2712
Q517	125-0002-92	RN2402
Q518	125-2004-91	RN1401
Q601	125-2004-93	RN1403
R501	119-1031-15	1/16W 10kΩ
R502	119-1231-15	1/16W 12kΩ
R503	119-4721-15	1/16W 4.7kΩ
R504	119-4721-15	1/16W 4.7kΩ
R505	119-4741-15	1/16W 470kΩ
R506	119-4741-15	1/16W 470kΩ
R507	119-1021-15	1/16W 1kΩ

REF No.	PART No.	DESCRIPTION
R508	119-1021-15	1/16W 1kΩ
R509	119-1011-15	1/16W 100Ω
R510	119-5621-15	1/16W 5.6kΩ
R511	119-1021-15	1/16W 1kΩ
R512	119-4721-15	1/16W 4.7kΩ
R513	119-4731-15	1/16W 47kΩ
R514	119-1021-15	1/16W 1kΩ
R515	119-1021-15	1/16W 1kΩ
R516	119-1031-15	1/16W 10kΩ
R517	119-4721-15	1/16W 4.7kΩ
R518	119-4721-15	1/16W 4.7kΩ
R519	119-1021-15	1/16W 1kΩ
R520	119-4731-15	1/16W 47kΩ
R521	119-1011-15	1/16W 100Ω
R522	119-4731-15	1/16W 47kΩ
R523	119-4731-15	1/16W 47kΩ
R524	119-1541-15	1/16W 150kΩ
R526	119-1241-15	1/16W 120kΩ
R527	119-1831-15	1/16W 18kΩ
R528	119-8221-15	1/16W 8.2kΩ
R529	119-4321-15	1/16W 4.3kΩ
R530	119-1031-15	1/16W 10kΩ
R531	119-4711-15	1/16W 470Ω
R532	119-4711-15	1/16W 470Ω
R533	119-4721-15	1/16W 4.7kΩ
R535	119-2231-15	1/16W 22kΩ
R536	119-1021-15	1/16W 1kΩ
R537	119-2231-15	1/16W 22kΩ
R540	119-4731-15	1/16W 47kΩ
R541	119-3311-15	1/16W 330Ω
R544	119-1031-15	1/16W 10kΩ
R545	119-4721-15	1/16W 4.7kΩ
R546	119-4711-15	1/16W 470Ω
R547	119-2231-15	1/16W 22kΩ
R548	119-2231-15	1/16W 22kΩ
R549	119-1041-15	1/16W 100kΩ
R551	119-4731-15	1/16W 47kΩ
R553	119-4731-15	1/16W 47kΩ
R568	119-1011-15	1/16W 100Ω
R601	111-7501-91	1/4WS 75Ω
R602	111-7501-91	1/4WS 75Ω
R603	111-7501-91	1/4WS 75Ω
R604	111-7501-91	1/4WS 75Ω
R605	119-1531-15	1/16W 15kΩ
R606	119-1531-15	1/16W 15kΩ
R607	119-1531-15	1/16W 15kΩ
R608	119-5631-15	1/16W 56kΩ
R609	119-5631-15	1/16W 56kΩ
R610	119-5631-15	1/16W 56kΩ
R611	119-1011-15	1/16W 100Ω
R612	119-1011-15	1/16W 100Ω
R613	119-1011-15	1/16W 100Ω
R614	119-4711-15	1/16W 470Ω
R615	119-1511-15	1/16W 150Ω
R616	119-3921-15	1/16W 3.9kΩ
R617	119-2211-15	1/16W 220Ω
R618	119-0000-05	1/16W 0Ω JW
R619	119-1031-15	1/16W 10kΩ
R620	119-5611-15	1/16W 560Ω
R621	119-4731-15	1/16W 47kΩ
R622	119-4731-15	1/16W 47kΩ
R623	119-4731-15	1/16W 47kΩ
R624	111-7501-91	1/4WS 75Ω
R625	119-3311-15	1/16W 330Ω
R626	119-1041-15	1/16W 100kΩ
R627	119-4731-15	1/16W 47kΩ
R628	119-1011-15	1/16W 100Ω
R629	119-2211-15	1/16W 220Ω

VRX613R

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
J102	074-1194-00	13P CE-NET	R20	119-2221-15	1/16W 2.2kΩ	R167	119-2231-15	1/16W 22kΩ
J103	074-1030-00	MINI-DIN-8P	R21	119-1031-15	1/16W 10kΩ	R168	119-3331-15	1/16W 33kΩ
L1	010-2003-04	COIL	R22	119-1031-15	1/16W 10kΩ	R170	119-3311-15	1/16W 330Ω
L2	010-2199-54	0.22 μH J	R23	119-2721-15	1/16W 2.7kΩ	R178	119-1041-15	1/16W 100kΩ
L3	010-2174-78	220 μH	R24	119-2721-15	1/16W 2.7kΩ	R179	119-1041-15	1/16W 100kΩ
L4	010-2174-86	1mH	R25	119-1231-15	1/16W 12kΩ	R180	119-1031-15	1/16W 10kΩ
L5	010-2199-66	2.2 μH J	R26	119-1031-15	1/16W 10kΩ	R183	114-1591-11	1W 1.5Ω
L6	010-2199-66	2.2 μH J	R27	119-2711-15	1/16W 270Ω	R186	119-1021-15	1/16W 1kΩ
P1	074-0977-14	14P	R28	119-8211-15	1/16W 820Ω	R187	119-1031-15	1/16W 10kΩ
P101	074-0977-19	SOCKET-19P	R29	119-1021-15	1/16W 1kΩ	R188	119-1031-15	1/16W 10kΩ
P102	076-0349-02	2P	R30	119-2221-15	1/16W 2.2kΩ	R189	119-2231-15	1/16W 22kΩ
P103	074-0977-17	SOCKET-17P	R31	119-1021-15	1/16W 1kΩ	R191	119-1031-15	1/16W 10kΩ
Q1	125-2004-92	RN1402	R32	119-1021-15	1/16W 1kΩ	R192	032-0104-61	1/4W 2.2kΩ
Q2	125-2004-96	RN1406	R33	119-1021-15	1/16W 1kΩ	R193	119-4721-15	1/16W 4.7kΩ
Q3	125-0002-93	RN2403	R101	119-1021-15	1/16W 1kΩ	R194	032-0104-67	1/4W 1.2kΩ
Q4	193-1306-00	2SD1306	R102	119-2231-15	1/16W 22kΩ	R196	119-4721-15	1/16W 4.7kΩ
Q5	190-1162-00	2SA1162	R103	119-1031-15	1/16W 10kΩ	R197	119-3321-15	1/16W 3.3kΩ
Q6	190-1298-00	2SA1298	R104	119-3321-15	1/16W 3.3kΩ	R198	119-1031-15	1/16W 10kΩ
Q8	108-0669-00	2SK669	R105	119-3331-15	1/16W 33kΩ	R199	119-2231-15	1/16W 22kΩ
Q101	190-1162-00	2SA1162	R107	119-3331-15	1/16W 33kΩ	R200	119-4731-15	1/16W 47kΩ
Q102	190-1162-00	2SA1162	R108	119-2231-15	1/16W 22kΩ	R201	119-4731-15	1/16W 47kΩ
Q103	193-1306-00	2SD1306	R109	119-2221-15	1/16W 2.2kΩ	R202	119-2231-15	1/16W 22kΩ
Q104	193-1306-00	2SD1306	R110	119-2721-15	1/16W 2.7kΩ	R203	119-2231-15	1/16W 22kΩ
Q105	193-1306-00	2SD1306	R111	119-4731-15	1/16W 47kΩ	R204	119-4731-15	1/16W 47kΩ
Q106	193-1306-00	2SD1306	R112	119-4721-15	1/16W 4.7kΩ	R205	119-4731-15	1/16W 47kΩ
Q107	193-1306-00	2SD1306	R113	119-6831-15	1/16W 68kΩ	R206	119-2231-15	1/16W 22kΩ
Q108	193-1306-00	2SD1306	R115	119-3331-15	1/16W 33kΩ	R207	119-2231-15	1/16W 22kΩ
Q109	193-1306-00	2SD1306	R116	119-1021-15	1/16W 1kΩ	R208	119-1031-15	1/16W 10kΩ
Q110	193-1306-00	2SD1306	R117	119-1031-15	1/16W 10kΩ	R209	119-4731-15	1/16W 47kΩ
Q111	125-2004-93	RN1403	R118	119-2731-15	1/16W 27kΩ	R210	119-1031-15	1/16W 10kΩ
Q113	191-1237-00	2SB1237	R119	119-1831-15	1/16W 18kΩ	R211	119-1531-15	1/16W 15kΩ
Q114	125-0002-93	RN2403	R120	119-2231-15	1/16W 22kΩ	R212	119-4731-15	1/16W 47kΩ
Q115	190-1162-00	2SA1162	R121	119-3331-15	1/16W 33kΩ	R213	119-1041-15	1/16W 100kΩ
Q116	190-1162-00	2SA1162	R122	119-3321-15	1/16W 3.3kΩ	R214	119-2231-15	1/16W 22kΩ
Q117	125-2004-93	RN1403	R123	119-1031-15	1/16W 10kΩ	R215	119-2231-15	1/16W 22kΩ
Q118	125-2004-93	RN1403	R124	119-1031-15	1/16W 10kΩ	R216	119-2231-15	1/16W 22kΩ
Q119	125-2004-93	RN1403	R125	119-2731-15	1/16W 27kΩ	R217	119-1011-15	1/16W 100Ω
Q120	192-2712-00	2SC2712	R126	119-1021-15	1/16W 1kΩ	R218	119-1011-15	1/16W 100Ω
Q121	190-1313-00	2SA1313O,Y	R127	119-2731-15	1/16W 27kΩ	R219	119-1011-15	1/16W 100Ω
Q122	103-1683-00	2SD1683	R128	119-3331-15	1/16W 33kΩ	R220	119-1011-15	1/16W 100Ω
Q123	100-1428-00	2SA1428	R130	119-2231-15	1/16W 22kΩ	R221	119-1031-15	1/16W 10kΩ
Q124	101-1143-00	2SB1143	R131	119-3331-15	1/16W 33kΩ	R223	119-1041-15	1/16W 100kΩ
Q125	100-1428-00	2SA1428	R132	119-1031-15	1/16W 10kΩ	R224	119-1041-15	1/16W 100kΩ
Q126	100-1428-00	2SA1428	R133	119-3331-15	1/16W 33kΩ	R225	119-1041-15	1/16W 100kΩ
Q127	190-1213-00	2SA1213	R134	119-3331-15	1/16W 33kΩ	R226	119-1041-15	1/16W 100kΩ
Q128	125-2004-93	RN1403	R135	119-3331-15	1/16W 33kΩ	R227	119-2231-15	1/16W 22kΩ
Q129	125-0002-93	RN2403	R137	119-2231-15	1/16W 22kΩ	R228	119-1531-15	1/16W 15kΩ
Q130	125-2004-97	RN1407	R138	119-3311-15	1/16W 330Ω	R229	119-2231-15	1/16W 22kΩ
Q131	125-2004-93	RN1403	R139	119-3331-15	1/16W 33kΩ	R230	119-1031-15	1/16W 10kΩ
Q132	125-2004-93	RN1403	R140	119-1031-15	1/16W 10kΩ	R231	119-5611-15	1/16W 560Ω
Q133	125-2004-93	RN1403	R141	119-2231-15	1/16W 22kΩ	R232	119-1031-15	1/16W 10kΩ
Q134	125-2004-91	RN1401	R142	119-3311-15	1/16W 330Ω	R233	119-2231-15	1/16W 22kΩ
Q135	192-2873-00	2SC2873	R143	119-2731-15	1/16W 27kΩ	R234	119-2201-15	1/16W 22Ω
Q136	190-1162-00	2SA1162	R144	119-1831-15	1/16W 18kΩ	R235	119-1031-15	1/16W 10kΩ
Q137	125-2004-93	RN1403	R145	119-3311-15	1/16W 330Ω	R236	119-1031-15	1/16W 10kΩ
R1	119-1821-15	1/16W 1.8kΩ	R146	119-3331-15	1/16W 33kΩ	R237	119-1031-15	1/16W 10kΩ
R2	119-3921-15	1/16W 3.9kΩ	R147	119-4721-15	1/16W 4.7kΩ	R238	119-1031-15	1/16W 10kΩ
R3	119-2211-15	1/16W 220Ω	R148	119-2231-15	1/16W 22kΩ	R239	111-6811-81	1/2WS 680Ω
R4	119-1031-15	1/16W 10kΩ	R149	119-3311-15	1/16W 330Ω	R240	119-4721-15	1/16W 4.7kΩ
R5	119-1021-15	1/16W 1kΩ	R150	119-1031-15	1/16W 10kΩ	R241	111-6811-81	1/2WS 680Ω
R6	119-2231-15	1/16W 22kΩ	R151	119-2231-15	1/16W 22kΩ	R242	119-4711-15	1/16W 470Ω
R7	119-1041-15	1/16W 100kΩ	R154	119-6831-15	1/16W 68kΩ	R243	119-1041-15	1/16W 100kΩ
R8	032-0104-73	1/4W 330Ω	R155	119-1031-15	1/16W 10kΩ	R244	032-0104-53	1/4W 1kΩ
R9	119-4721-15	1/16W 4.7kΩ	R156	119-2221-15	1/16W 2.2kΩ	R245	032-0104-64	1/4W 68Ω
R10	119-3321-15	1/16W 3.3kΩ	R157	119-2721-15	1/16W 2.7kΩ	R246	119-1021-15	1/16W 1kΩ
R11	119-2031-15	1/16W 20kΩ	R158	119-4731-15	1/16W 47kΩ	R247	119-4731-15	1/16W 47kΩ
R12	119-4741-15	1/16W 470kΩ	R159	119-2231-15	1/16W 22kΩ	R248	119-4731-15	1/16W 47kΩ
R13	119-1231-15	1/16W 12kΩ	R160	119-2231-15	1/16W 22kΩ	R254	119-3321-15	1/16W 3.3kΩ
R14	119-1011-15	1/16W 100Ω	R161	119-2231-15	1/16W 22kΩ	R255	119-2231-15	1/16W 22kΩ
R15	119-1031-15	1/16W 10kΩ	R162	119-2231-15	1/16W 22kΩ	R256	119-2231-15	1/16W 22kΩ
R16	119-1031-15	1/16W 10kΩ	R163	119-1021-15	1/16W 1kΩ	R261	032-0104-50	1/4W 560Ω
R17	119-1031-15	1/16W 10kΩ	R164	119-1021-15	1/16W 1kΩ	R262	032-0104-50	1/4W 560Ω
R18	119-2221-15	1/16W 2.2kΩ	R165	119-1021-15	1/16W 1kΩ	R263	119-5611-15	1/16W 560Ω
R19	119-1031-15	1/16W 10kΩ	R166	119-1021-15	1/16W 1kΩ	R264	119-1031-15	1/16W 10kΩ



REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R743	119-1831-15	1/16W 18kΩ	R777	119-2231-15	1/16W 22kΩ	R810	119-1031-15	1/16W 10kΩ
R744	119-6821-15	1/16W 6.8kΩ	R778	032-0104-53	1/4W 1kΩ	R811	117-2211-15	1/10W 220Ω
R745	119-3341-15	1/16W 330kΩ	R779	119-3931-15	1/16W 39kΩ	R812	119-1021-15	1/16W 1kΩ
R746	119-5621-15	1/16W 5.6kΩ	R780	119-2231-15	1/16W 22kΩ	R813	032-0092-43	1/10W 3.0kΩ ±1%
R747	119-5621-15	1/16W 5.6kΩ	R781	119-6821-15	1/16W 6.8kΩ	R814	032-0092-43	1/10W 3.0kΩ ±1%
R748	119-4721-15	1/16W 4.7kΩ	R782	119-4731-15	1/16W 47kΩ	R815	119-0000-05	1/16W 0Ω JW
R749	119-3021-15	1/16W 3kΩ	R783	119-2231-15	1/16W 22kΩ	R816	119-1011-15	1/16W 100Ω
R750	119-2021-15	1/16W 2kΩ	R784	119-1051-15	1/16W 1MΩ	R817	119-1011-15	1/16W 100Ω
R751	119-1521-15	1/16W 1.5kΩ	R785	032-0092-99	1/10W 47kΩ ±1%	R818	119-1011-15	1/16W 100Ω
R752	119-2221-15	1/16W 2.2kΩ	R786	119-0000-05	1/16W 0Ω JW	R901	119-2711-15	1/16W 270Ω
R753	119-1041-15	1/16W 100kΩ	R787	117-2731-15	1/10W 27kΩ	R902	119-2711-15	1/16W 270Ω
R755	119-4791-15	1/16W 4.7Ω J	R788	119-5621-15	1/16W 5.6kΩ	R903	119-2711-15	1/16W 270Ω
R756	119-2431-15	1/16W 24kΩ	R789	119-1521-15	1/16W 1.5kΩ	R904	119-2711-15	1/16W 270Ω
R757	119-4711-15	1/16W 470Ω	R790	032-0092-99	1/10W 47kΩ ±1%	S701	013-6100-00	SKHLLB
R758	119-4711-15	1/16W 470Ω	R791	119-1821-15	1/16W 1.8kΩ	S702	013-7205-50	SPVE1-3
R759	119-4711-15	1/16W 470Ω	R792	032-0092-91	1/10W 33kΩ ±1%	S902	013-6511-50	LS9J2M-1SR
R760	119-4711-15	1/16W 470Ω	R793	119-1011-15	1/16W 100Ω	S903	013-6511-50	LS9J2M-1SR
R761	119-3341-15	1/16W 330kΩ	R794	119-1021-15	1/16W 1kΩ	S904	013-6511-50	LS9J2M-1SR
R762	119-2231-15	1/16W 22kΩ	R795	119-2221-15	1/16W 2.2kΩ	S905	013-6511-50	LS9J2M-1SR
R763	119-2231-15	1/16W 22kΩ	R796	119-3311-15	1/16W 330Ω	S906	013-9907-00	RKJXM1012
R764	119-2231-15	1/16W 22kΩ	R797	119-1011-15	1/16W 100Ω	T701	007-1151-90	OUTPUT TRANS
R765	119-2731-15	1/16W 27kΩ	R798	119-6811-15	1/16W 680Ω	T702	007-1152-00	BLC216HP
R766	032-0098-93	1/10W 18kΩ ±2%	R799	119-1011-15	1/16W 100Ω	TH601	002-0216-95	DTN-T203K103KS
R767	119-5631-15	1/16W 56kΩ	R800	119-5621-15	1/16W 5.6kΩ	VR701	012-6009-52	1kΩ
R768	119-3931-15	1/16W 39kΩ	R801	119-8221-15	1/16W 8.2kΩ	VR702	012-5123-56	10kΩ
R769	119-5611-15	1/16W 560Ω	R802	119-1521-15	1/16W 1.5kΩ	VR703	012-6009-58	33kΩ
R770	119-1021-15	1/16W 1kΩ	R803	119-4741-15	1/16W 470kΩ	VR704	012-6009-58	33kΩ
R771	117-3351-15	1/10W 3.3MΩ	R804	119-4741-15	1/16W 470kΩ	VR705	012-6009-58	33kΩ
R772	119-1011-15	1/16W 100Ω	R805	119-4741-15	1/16W 470kΩ	VR706	012-6009-58	33kΩ
R773	119-1011-15	1/16W 100Ω	R806	119-4741-15	1/16W 470kΩ	VR707	012-6009-58	33kΩ
R774	119-1011-15	1/16W 100Ω	R807	119-4741-15	1/16W 470kΩ	VR708	012-6009-52	1kΩ
R775	032-0104-53	1/4W 1kΩ	R808	119-6831-15	1/16W 68kΩ	X701	061-1078-00	3.5795MHZ
R776	119-3931-15	1/16W 39kΩ	R809	119-2221-15	1/16W 2.2kΩ	X702	061-3036-00	4.433619MHZ

DCP PWB section(B4)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C901	178-1055-79	1 μF	Q904	125-2017-97	RN1427	R927	032-0104-54	1/4W 680Ω
C902	178-1055-79	1 μF	R902	032-0104-54	1/4W 680Ω	S901	013-6511-50	LS9J2M-1SR
D901	001-7011-96	CL-150SR-CD	R903	032-0104-54	1/4W 680Ω	S902	013-6511-50	LS9J2M-1SR
D902	001-7011-96	CL-150SR-CD	R906	032-0104-54	1/4W 680Ω	S903	013-6511-50	LS9J2M-1SR
D903	001-7011-96	CL-150SR-CD	R907	032-0104-54	1/4W 680Ω	S904	013-6511-50	LS9J2M-1SR
D904	001-0525-90	IMN10	R909	032-0104-54	1/4W 680Ω	S905	013-6511-50	LS9J2M-1SR
D905	001-0525-90	IMN10	R911	032-0104-54	1/4W 680Ω	S906	013-6511-50	LS9J2M-1SR
D906	001-7011-96	CL-150SR-CD	R914	119-1021-15	1/16W 1kΩ	S907	013-6511-50	LS9J2M-1SR
D907	001-7046-01	NSPW310BS-A,RS	R915	119-1021-15	1/16W 1kΩ	S908	013-6511-50	LS9J2M-1SR
D908	001-7046-01	NSPW310BS-A,RS	R916	119-4711-15	1/16W 470Ω	S909	013-9901-00	SKQUAA 1-4
D909	001-2601-90	MA728-TX	R917	119-1021-15	1/16W 1kΩ	S910	013-6511-50	LS9J2M-1SR
D910	001-2601-90	MA728-TX	R918	119-1041-15	1/16W 100kΩ	S911	013-6511-50	LS9J2M-1SR
D911	001-2601-90	MA728-TX	R919	119-1021-15	1/16W 1kΩ	S912	013-6511-50	LS9J2M-1SR
IC901	051-6001-01	μPD16431AGC-7ET	R920	119-1021-15	1/16W 1kΩ	S913	013-6511-50	LS9J2M-1SR
J901	076-0531-00	15P	R921	119-1021-15	1/16W 1kΩ	S914	013-6511-50	LS9J2M-1SR
L901	010-2323-71	33 μH	R922	119-1021-15	1/16W 1kΩ	S915	013-6511-50	LS9J2M-1SR
LCD2	379-1162-41	INDICATOR	R923	119-1031-15	1/16W 10kΩ	S916	013-6511-50	LS9J2M-1SR
Q901	125-0002-92	RN2402	R924	119-1041-15	1/16W 100kΩ	S917	013-6511-50	LS9J2M-1SR
Q902	125-2017-97	RN1427	R925	117-7501-15	1/10W 75Ω	S918	013-6511-50	LS9J2M-1SR
Q903	125-0002-92	RN2402	R926	117-7501-15	1/10W 75Ω			

REF No.	PART No.	DESCRIPTION
R630	119-1021-15	1/16W 1kΩ
R631	119-2221-15	1/16W 2.2kΩ
R632	111-7501-91	1/4WS 75Ω
R633	119-2021-15	1/16W 2kΩ
R634	119-2021-15	1/16W 2kΩ

REF No.	PART No.	DESCRIPTION
R635	119-2021-15	1/16W 2kΩ
R637	119-4741-15	1/16W 470kΩ
R638	119-4741-15	1/16W 470kΩ
R639	119-4741-15	1/16W 470kΩ
R640	119-6821-15	1/16W 6.8kΩ

REF No.	PART No.	DESCRIPTION
TC601	004-1583-52	20pF RED
X501	060-1505-50	10MHz
X502	061-1056-00	32.768kHz
X601	061-1086-50	14.31818MHz
X602	061-3042-00	17.734475MHz

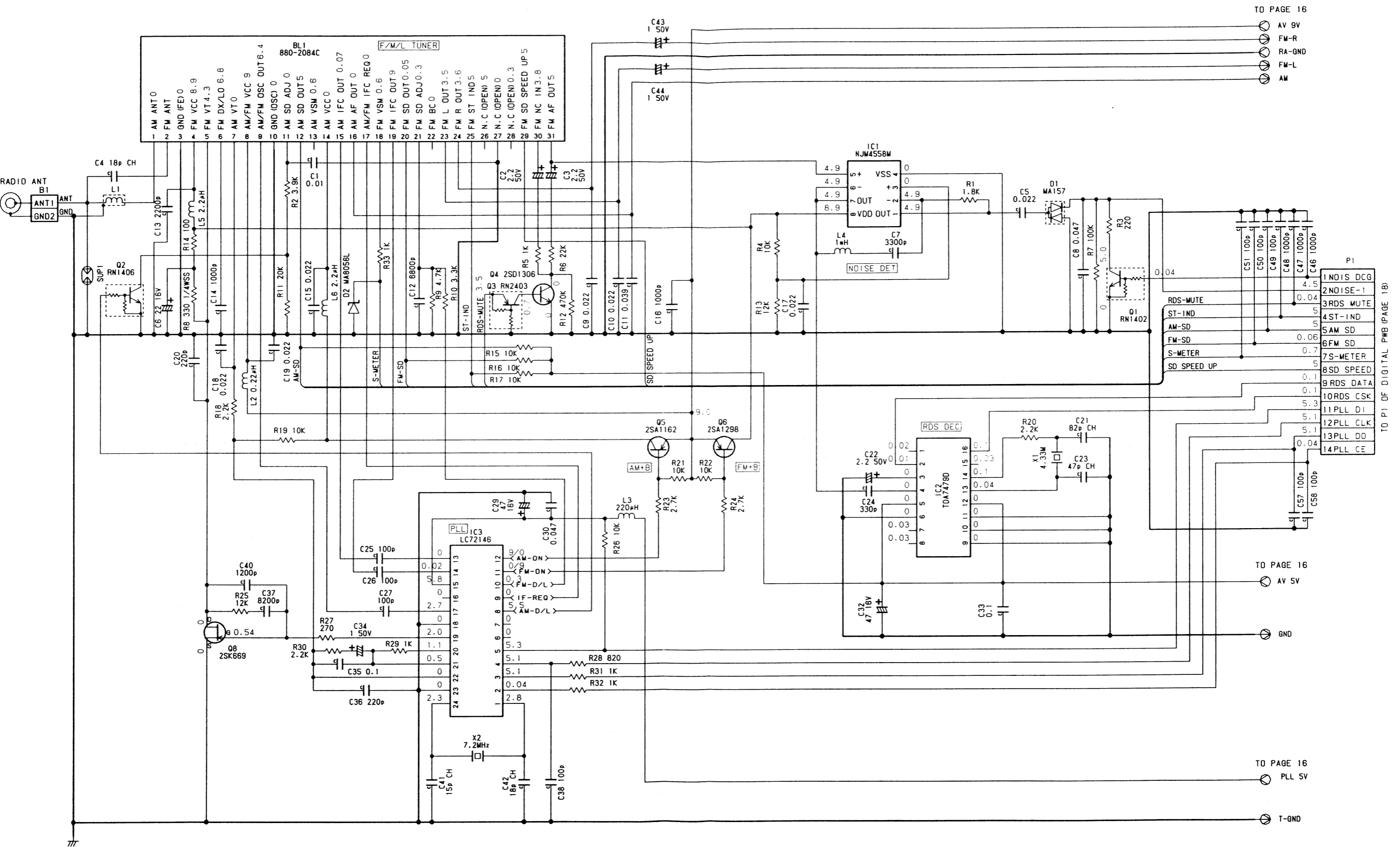
### LCD PWB section(B3)

REF No.	PART No.	DESCRIPTION
C701	163-1063-55	35V10 μF
C702	168-1045-56	0.1 μF
C703	166-1011-50	100pF CH
C704	176-2221-50	2200pF CH
C705	163-4753-55	35V4.7 μF
C706	176-1021-50	1000pF CH
C707	166-1011-50	100pF CH
C708	168-1022-55	1000pF
C709	042-0595-65	16V47 μF
C710	042-0528-50	35V15 μF
C711	163-2273-25	10V 220 μF
C712	042-0528-50	35V15 μF
C713	042-0595-65	16V47 μF
C714	042-0528-50	35V15 μF
C715	168-1045-56	0.1 μF
C716	042-0452-00	6.3V330 μF
C717	163-3363-45	25V33 μF
C718	168-1045-56	0.1 μF
C719	042-0595-62	16V10 μF
C720	168-1045-56	0.1 μF
C721	168-1045-56	0.1 μF
C722	042-0595-62	16V10 μF
C723	168-1045-56	0.1 μF
C724	178-1055-79	1 μF
C725	178-3332-78	0.033 μF
C726	168-1022-55	1000pF
C728	042-0595-62	16V10 μF
C729	163-1073-35	16V100 μF
C730	168-1032-55	0.01 μF
C731	176-1521-50	1500pF CH
C732	178-1055-79	1 μF
C733	042-0595-81	50V3.3 μF
C734	042-0452-00	6.3V330 μF
C735	178-2242-78	0.22 μF
C736	168-2232-55	0.022 μF
C737	168-2222-55	2200pF
C738	042-0595-62	16V10 μF
C740	166-5601-50	56pF CH
C741	168-2222-55	2200pF
C742	168-1045-56	0.1 μF
C743	168-1032-55	0.01 μF
C744	168-1032-55	0.01 μF
C745	178-4742-78	0.47 μF
C746	178-4742-78	0.47 μF
C747	178-4742-78	0.47 μF
C748	168-1032-55	0.01 μF
C749	042-0595-79	50V1 μF
C750	166-1201-50	12pF CH
C751	168-8212-55	820pF
C752	166-2201-50	22pF CH
C753	043-0499-52	0.082 μF
C754	168-6812-55	680pF
C755	042-0397-50	16V1 μF TAN
C756	166-5601-52	56pF RH
C757	168-1032-55	0.01 μF
C758	168-1032-55	0.01 μF
C759	168-4735-56	0.047 μF
C760	168-1032-55	0.01 μF
C761	168-1032-55	0.01 μF
C762	168-1032-55	0.01 μF
C763	178-1055-79	1 μF
C764	166-8201-50	82pF CH
C765	168-1032-55	0.01 μF
C766	178-1055-79	1 μF
C767	168-1032-55	0.01 μF
C768	168-1032-55	0.01 μF

REF No.	PART No.	DESCRIPTION
C769	178-1055-79	1 μF
C770	178-1055-79	1 μF
C771	178-1055-79	1 μF
C772	042-0595-65	16V47 μF
C774	178-1055-79	1 μF
C775	042-0595-77	50V0.47 μF
C776	168-1032-55	0.01 μF
C777	166-8097-50	8pF CH
C778	166-8097-50	8pF CH
C779	168-1045-56	0.1 μF
C780	178-1055-79	1 μF
C781	042-0595-81	50V3.3 μF
C782	168-1032-55	0.01 μF
C783	178-2232-55	0.022 μF
C784	043-0499-52	0.082 μF
C785	178-1055-79	1 μF
C901	178-1055-79	1 μF
D701	001-2606-90	M1FS4
D702	001-2606-90	M1FS4
D703	001-0516-90	MA111
D704	001-0516-90	MA111
D706	001-2606-90	M1FS4
D707	001-0529-46	MA8091-L
D708	001-0516-90	MA111
D709	001-0506-90	DAN202K
D710	001-0506-90	DAN202K
D711	001-0516-90	MA111
D712	001-0516-90	MA111
D713	001-0516-90	MA111
D714	001-0516-90	MA111
D715	001-0516-90	MA111
D716	001-0516-90	MA111
D717	001-0516-90	MA111
D719	001-0516-90	MA111
D726	001-0516-90	MA111
D901	001-7011-96	CL-150SR-CD
D902	001-7011-96	CL-150SR-CD
F701	060-8023-52	0.75A
IC701	051-7214-38	MC74HC595AF
IC702	051-3903-90	NJM2368M
IC703	051-7202-08	TC7S32F
IC704	051-1292-90	NJM4565M-D
IC705	051-0599-91	NJM2903M
IC706	051-3601-91	TL494CNS
IC707	051-5313-10	IR3Y29BM
IC708	051-1250-08	TC4S66F
IC709	051-1250-08	TC4S66F
IC710	051-7232-08	74VHC4066M
IC711	051-1250-08	TC4S66F
IR901	060-4005-02	GP1U261X
J103	074-1136-00	15P
J701	074-1189-85	35P
J702	076-0624-80	30P
J704	074-1199-74	24P
J901	074-1242-80	30P
L701	010-3010-50	100 μH
L702	010-2174-74	100 μH
L703	010-3010-50	100 μH
L704	010-2174-74	100 μH
L705	010-2199-80	33 μH J
L706	010-3014-62	100 μH
L707	010-3014-62	100 μH
L708	010-2199-83	56 μH J
L709	010-4013-00	23.9 μH
L710	010-2199-80	33 μH J
P701	076-0529-02	2P

REF No.	PART No.	DESCRIPTION
Q701	190-1213-00	2SA1213
Q702	125-2004-92	RN1402
Q703	125-2036-90	FB1J3P
Q704	192-2873-00	2SC2873
Q705	190-1738-00	2SA1738
Q706	125-0002-93	RN2403
Q707	125-2004-92	RN1402
Q708	125-2004-92	RN1402
Q709	125-2004-92	RN1402
Q710	125-2004-93	RN1403
Q711	125-2004-92	RN1402
Q712	192-3326-00	2SC3326
Q713	197-0528-00	2SJ528(S)-TL
Q714	192-2712-00	2SC2712
Q715	125-2004-92	RN1402
Q716	125-2004-92	RN1402
Q717	192-2873-00	2SC2873
Q718	192-2873-00	2SC2873
Q719	190-1738-00	2SA1738
Q720	125-2004-92	RN1402
Q721	125-2004-93	RN1403
Q722	125-2004-93	RN1403
Q723	125-0002-92	RN2402
Q726	192-2712-00	2SC2712
R701	032-0104-53	1/4W 1kΩ
R702	119-2221-15	1/16W 2.2kΩ
R703	119-1001-15	1/16W 10Ω
R704	119-6841-15	1/16W 680kΩ
R705	119-3931-15	1/16W 39kΩ
R706	119-6841-15	1/16W 680kΩ
R707	119-2231-15	1/16W 22kΩ
R708	119-1841-15	1/16W 180kΩ
R709	119-3311-15	1/16W 330Ω
R710	119-1031-15	1/16W 10kΩ
R711	119-2231-15	1/16W 22kΩ
R712	119-2211-15	1/16W 220Ω
R713	119-4731-15	1/16W 47kΩ
R714	119-4711-15	1/16W 470Ω
R715	119-1031-15	1/16W 10kΩ
R716	119-1031-15	1/16W 10kΩ
R717	119-4701-15	1/16W 47Ω
R718	119-1031-15	1/16W 10kΩ
R719	119-1531-15	1/16W 15kΩ
R720	119-1031-15	1/16W 10kΩ
R721	119-2221-15	1/16W 2.2kΩ
R722	119-4721-15	1/16W 4.7kΩ
R723	119-2731-15	1/16W 27kΩ
R724	119-2231-15	1/16W 22kΩ
R725	119-2231-15	1/16W 22kΩ
R726	119-1041-15	1/16W 100kΩ
R727	119-4731-15	1/16W 47kΩ
R728	119-2231-15	1/16W 22kΩ
R729	119-2231-15	1/16W 22kΩ
R730	119-4731-15	1/16W 47kΩ
R731	119-1021-15	1/16W 1kΩ
R732	119-3301-15	1/16W 33Ω
R733	119-3321-15	1/16W 3.3kΩ
R734	119-1021-15	1/16W 1kΩ
R735	119-1031-15	1/16W 10kΩ
R736	119-4721-15	1/16W 4.7kΩ
R737	119-2221-15	1/16W 2.2kΩ
R738	119-5621-15	1/16W 5.6kΩ
R739	119-5621-15	1/16W 5.6kΩ
R740	119-1021-15	1/16W 1kΩ
R741	119-1021-15	1/16W 1kΩ
R742	119-3321-15	1/16W 3.3kΩ

**CIRCUIT DIAGRAM**  
Main PWB(B1) section 1/2



TO PAGE 16  
AV 9V  
FM-R  
RA-GND  
FM-L  
AM

TO PAGE 16  
AV 5V  
GND

TO PAGE 16  
PLL 5V  
T-GND

TO P1 OF DIGITAL PWB (PAGE 1B)

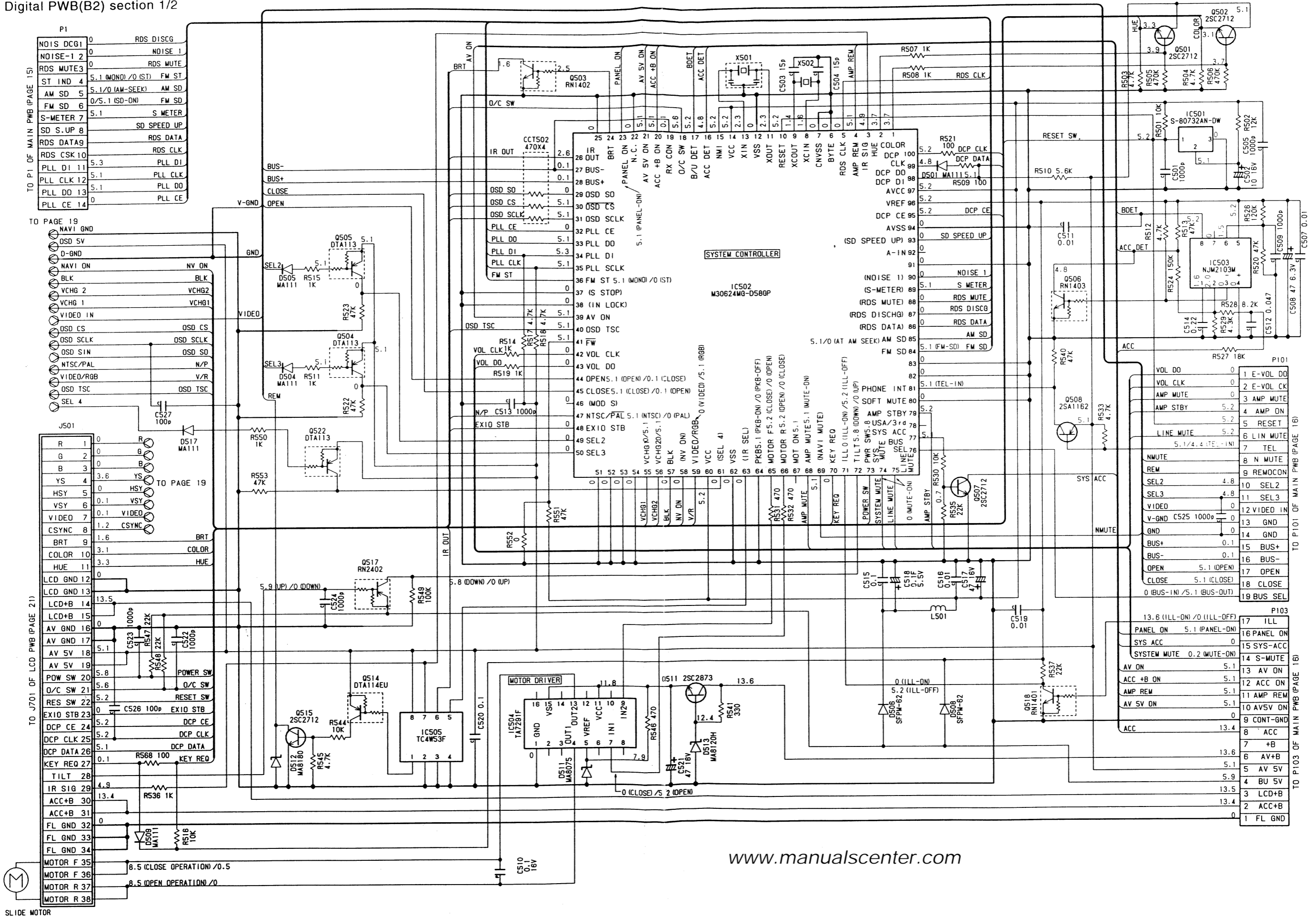
P1	Signal	Value
1	NOISE DCG	4.5
2	NOISE-1	0.04
3	RDS MUTE	0.04
4	ST-IND	0.04
5	AM-SD	0.06
6	FM-SD	0.7
7	S-METER	0.1
8	SD SPEED UP	0.1
9	RDS DATA	5.3
10	RDS CSK	5.1
11	PLL DI	5.1
12	PLL CLK	5.1
13	PLL DO	5.1
14	PLL CE	0.04





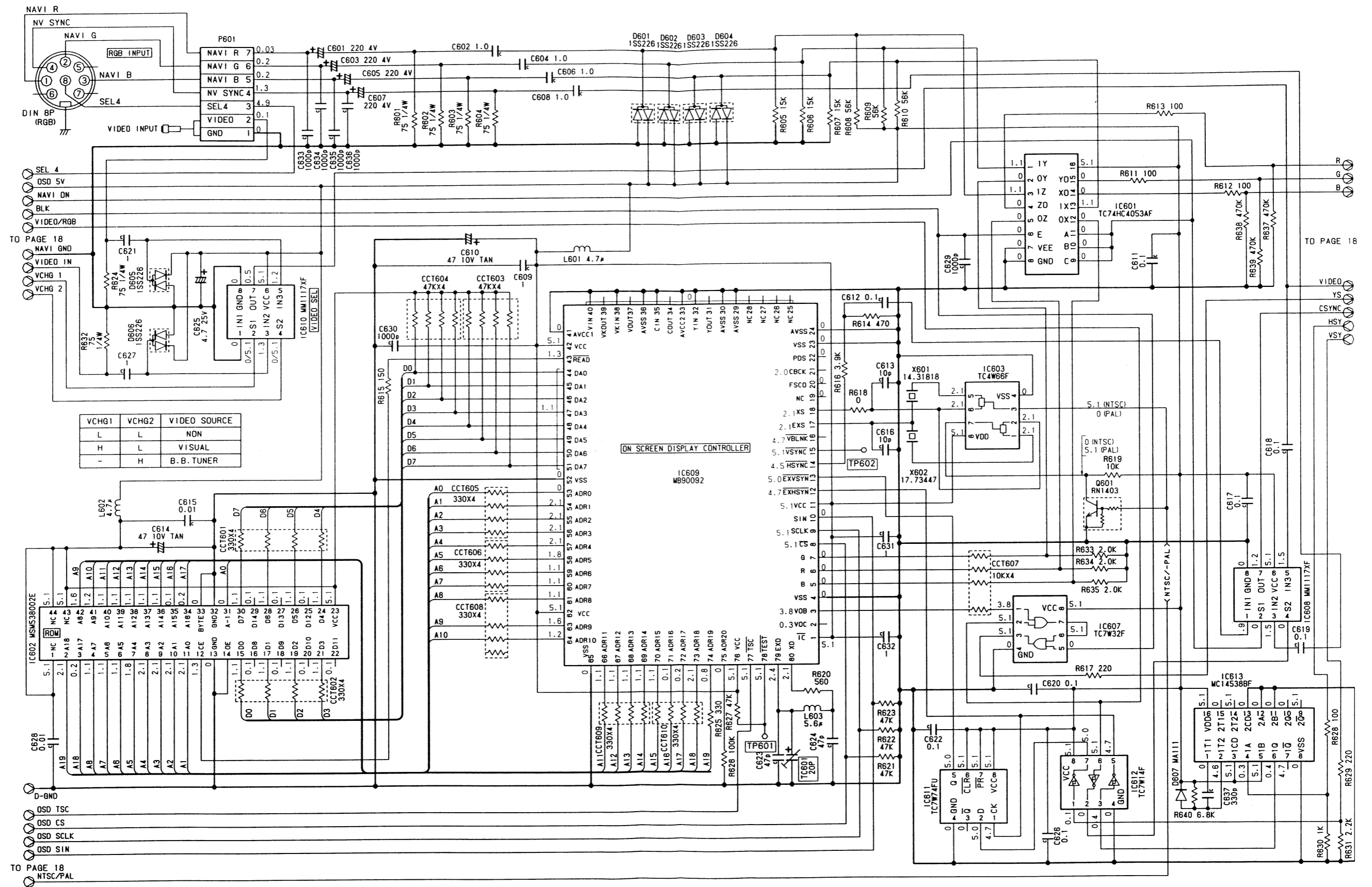


**CIRCUIT DIAGRAM**  
Digital PWB(B2) section 1/2

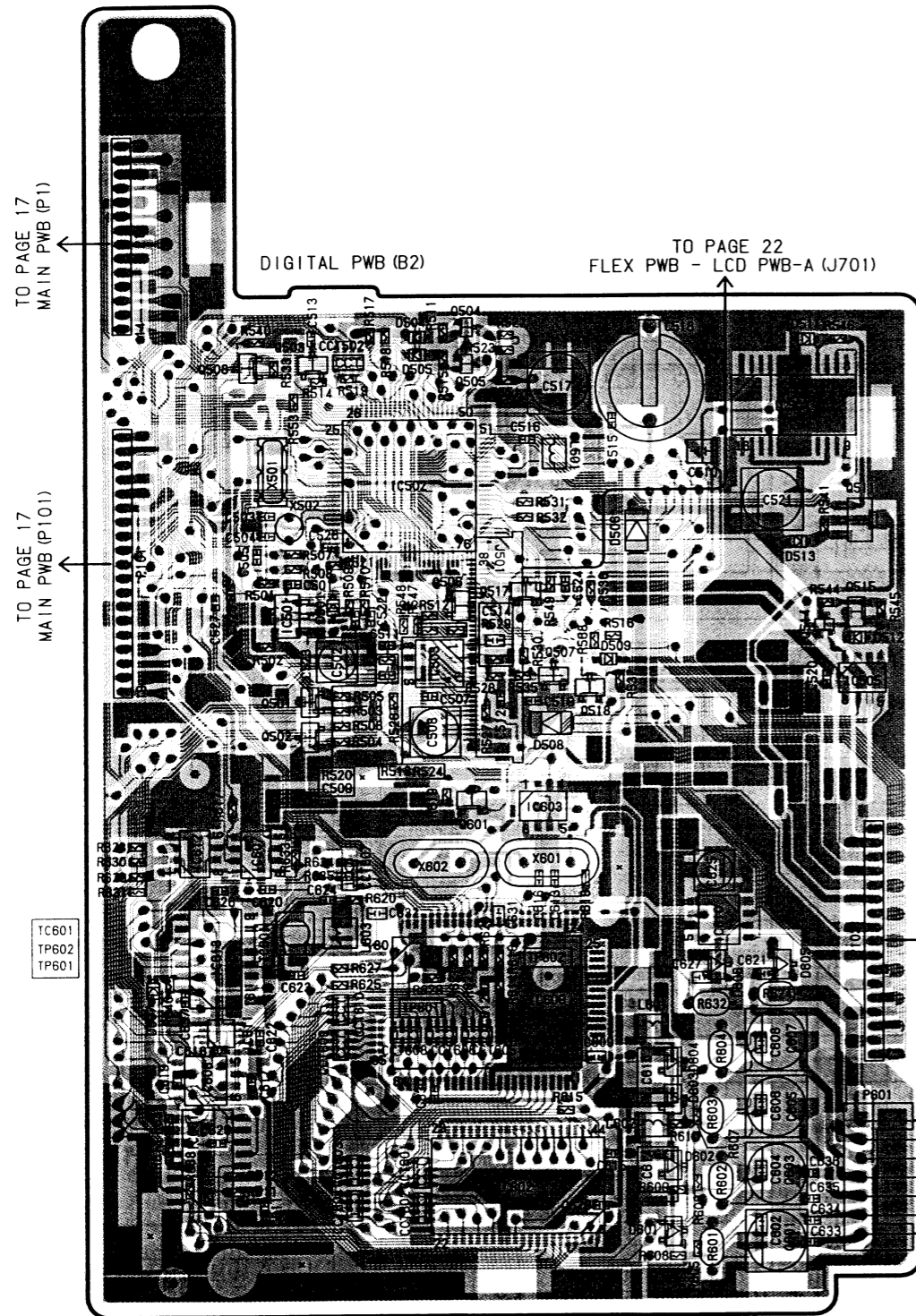


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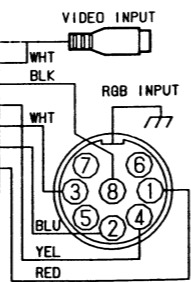




■ PRINTED WIRING BOARD  
Digital PWB(B2)section

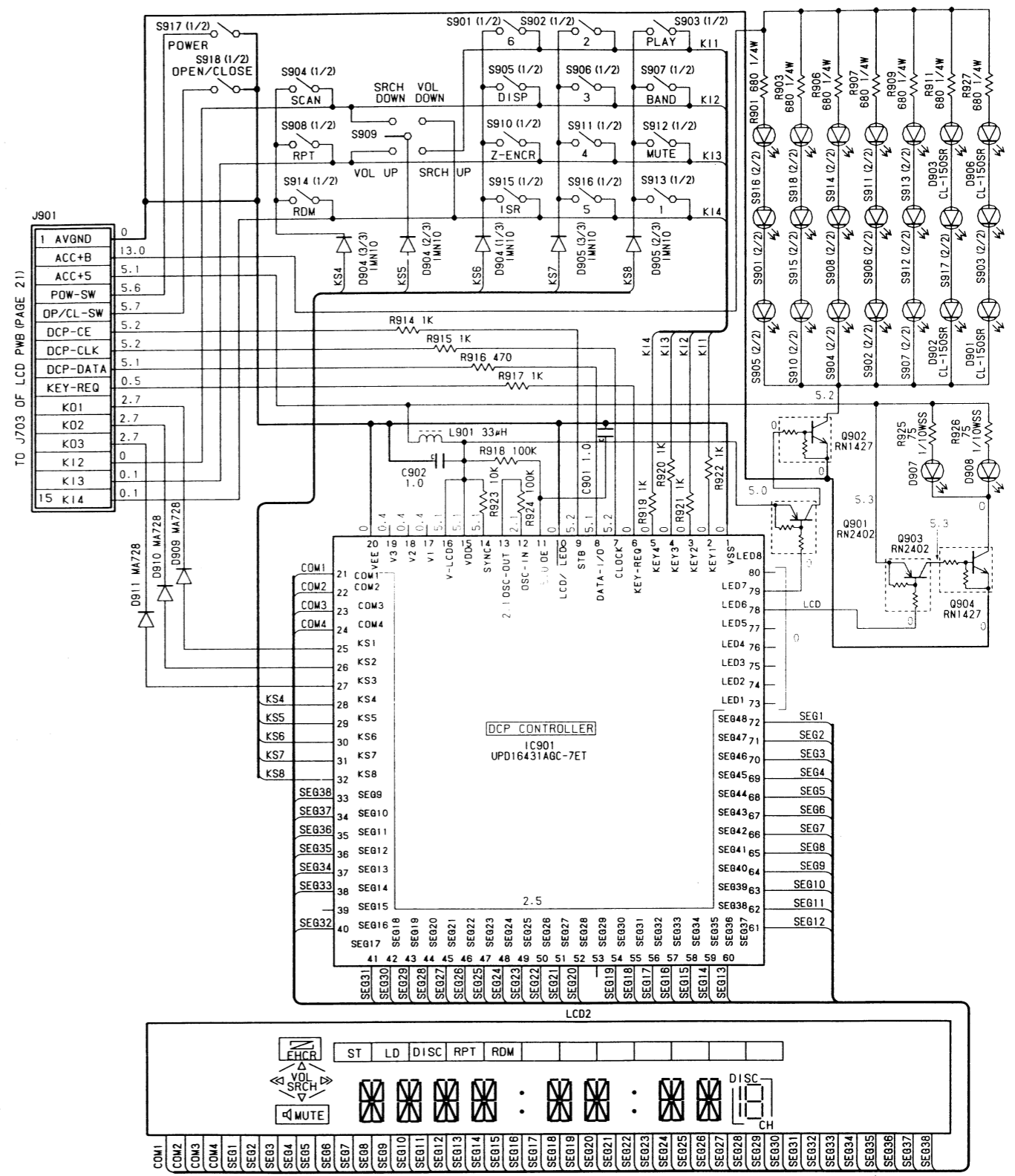


IC	812	811	808	807	501	502	503	809	802	803	610	504	505	
			508	503	501	502	506	504	601	517	507	518	514	511
				501	502									515



1	NAVI-R
2	NAVI-G
3	NAVI-B
4	NAVI-SYNC
5	NC
6	NC
7	NC
8	SEL4

■ CIRCUIT DIAGRAM  
DCP PWB(B4) section

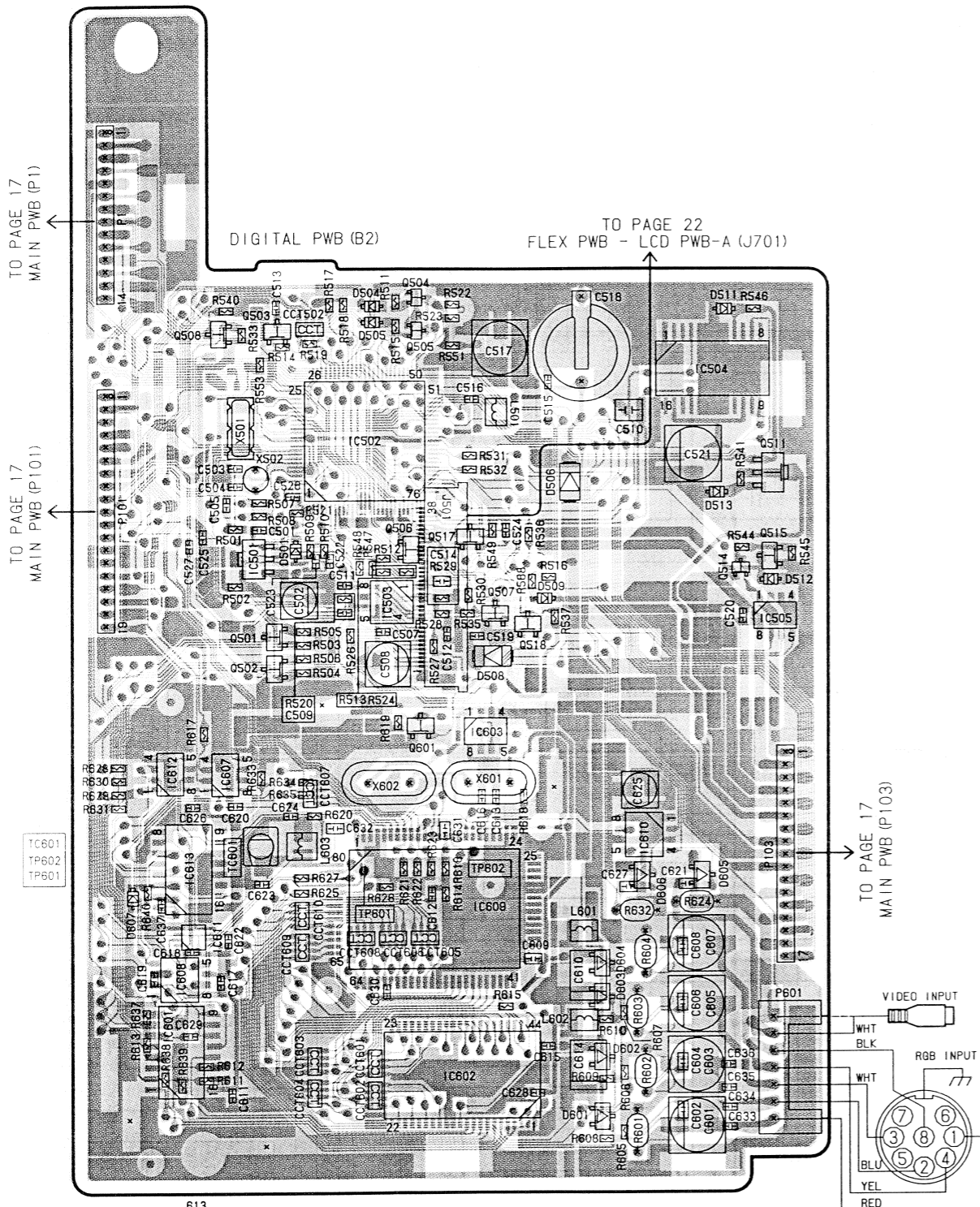


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Digital PWB(B2)section



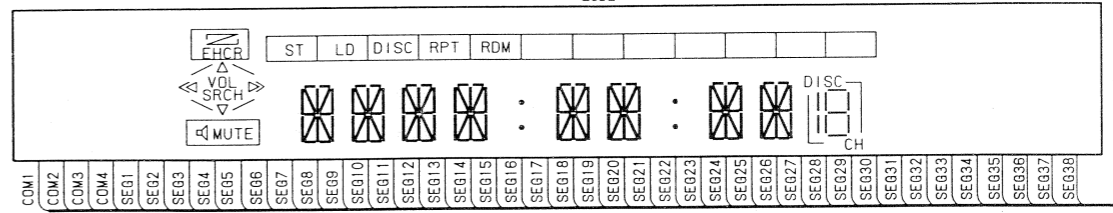
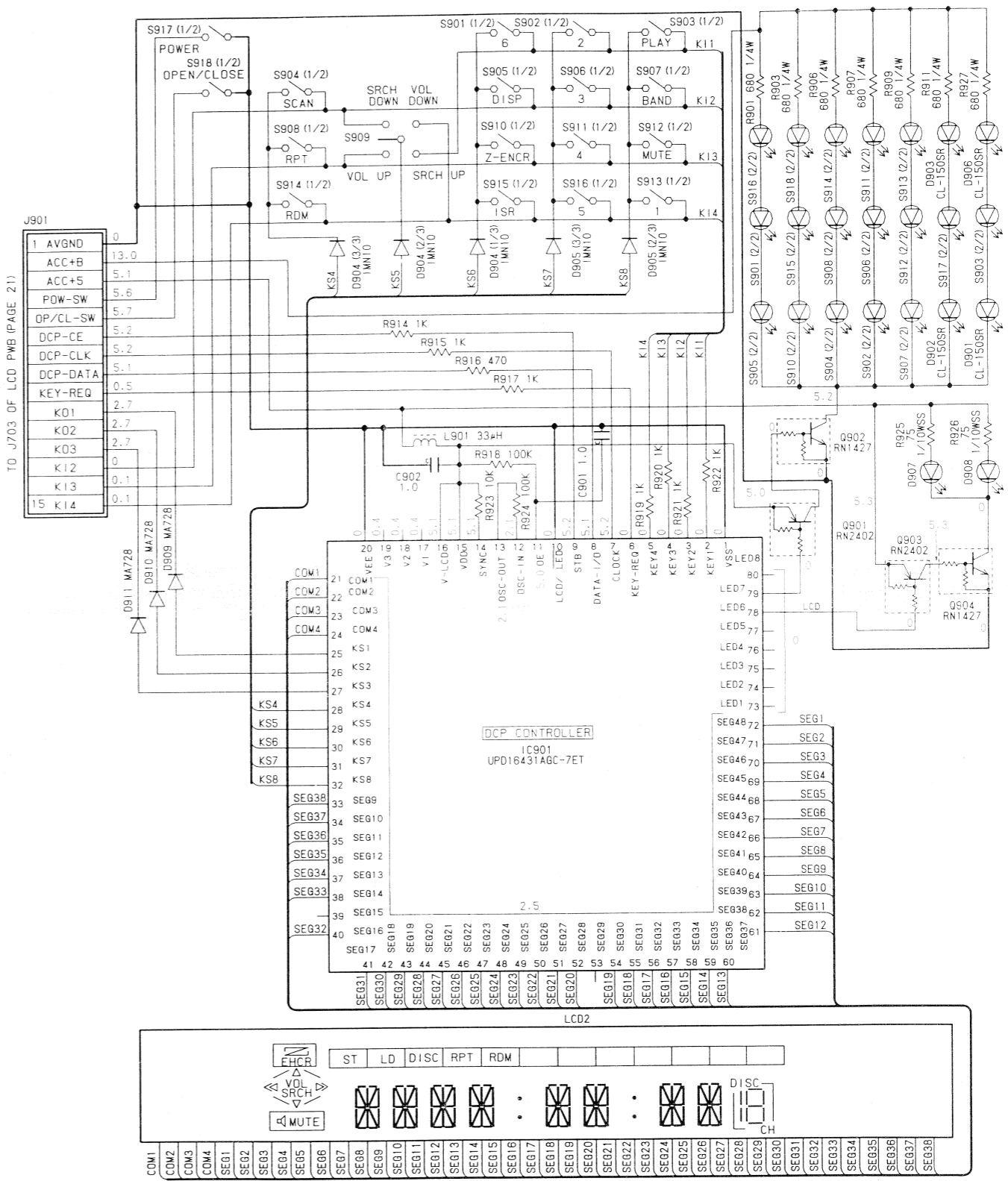
IC	612	611	601	608	607	501	502	503	609	602	603	610	504	505
			508	503	501	502	504	601	517	507	518	514	511	515
				505			504	601	517	507	518			
				502			506							

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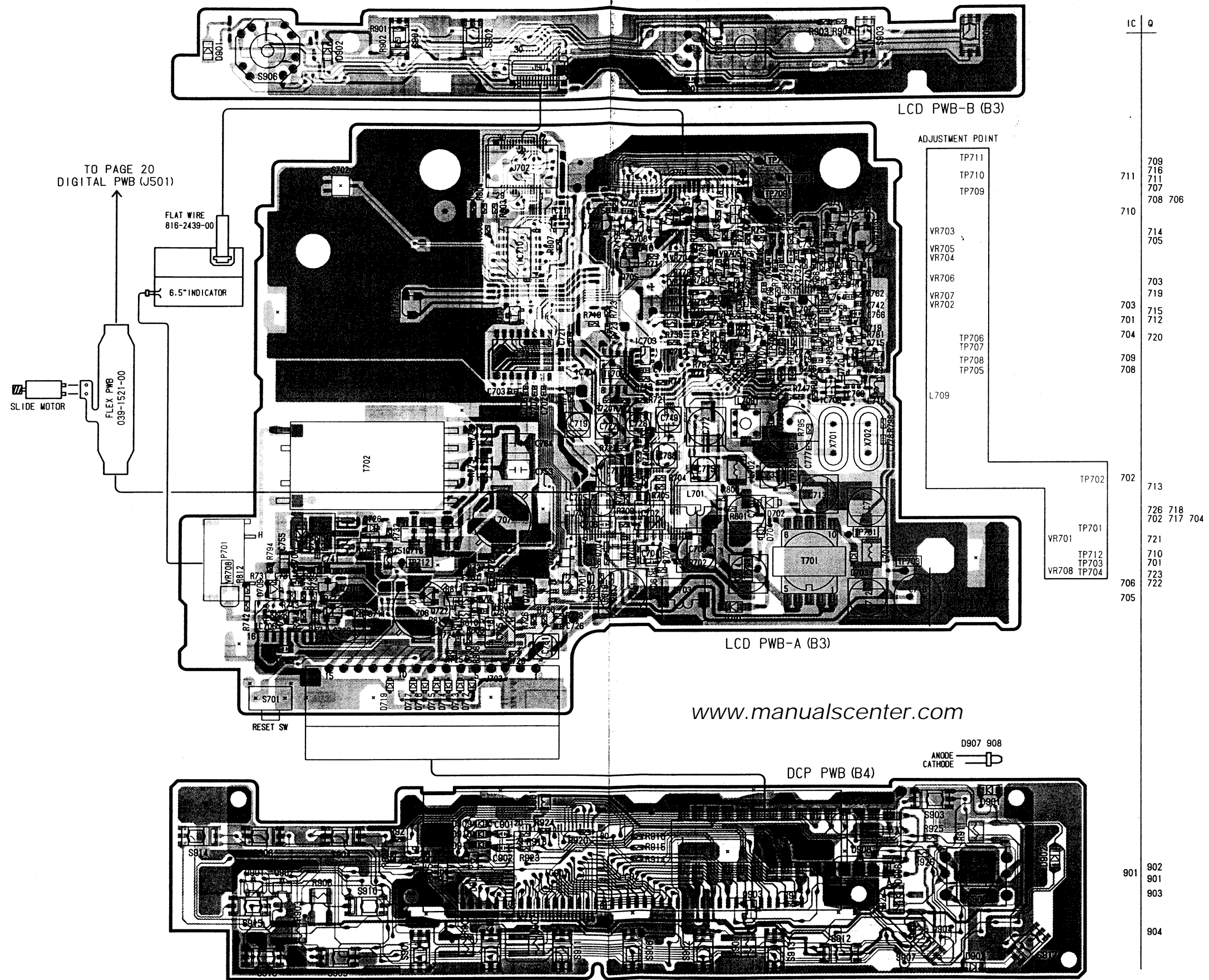
1	NAVI-R
2	NAVI-G
3	NAVI-B
4	NAVI-SYNC
5	NC
6	NC
7	NC
8	SEL4

CIRCUIT DIAGRAM

DCP PWB(B4) section

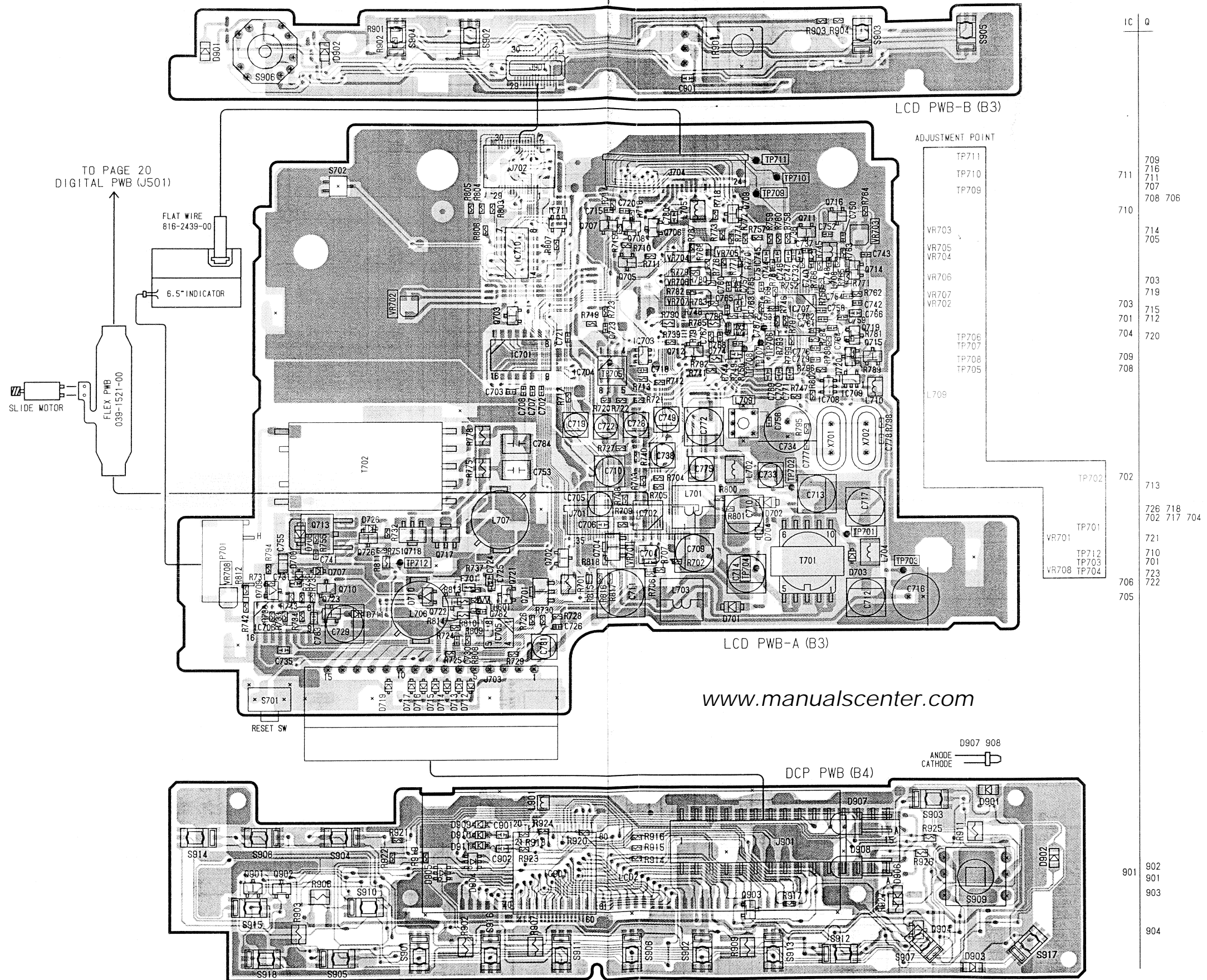


■ PRINTED WIRING BOARD  
 LCD PWB(B3) / DCP PWB(B4) section





PRINTED WIRING BOARD  
 LCD PWB(B3) / DCP PWB(B4) section



LCD PWB(B3) section

