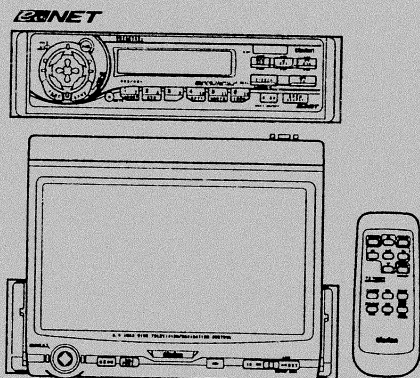


Service Manual



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

Model **VRX6570Rz**
 (QC-6700E)

■ SPECIFICATIONS

Radio section

Frequency range: FM 87.5MHz to 108MHz
 MW 531kHz to 1602kHz
 LW 153kHz to 279kHz

Audio section

Rated power output: 17W×4
 (20Hz to 20kHz, 1%, 4Ω)

Maximum power output:
 40W×4

Speaker impedance: 4Ω (4 to 8Ω)

Input section

RGB input: Video
 0.7±0.2Vp-p
 (Input impedance 75Ω)

Synchronize
 0.3V+0.9/-0.1Vp-p
 (Input impedance 75Ω)

Video input: 1.0±0.2Vp-p (Mini DIN 8P)
 (Input impedance 75Ω)

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 supply 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

- ※ We cannot supply PWB with component parts in principle. When a circuit on PWB has failure, please repair it by component parts base. Parts which are not mentioned in service manual are not supplied.
- ※ Specifications and design are subject to change without notice for further improvement.

■ COMPONENTS

QC-6700E-A

Main unit	-----	1
Remote control unit	RCB-130-310	1
Battery cover	653-0387-01	1
Label	653-0387-02	1
Battery (SUM-3, IECR-6/1.5V)	-----	2
Universal mounting bracket	300-9035-01	1
DCP case	335-6035-41	1
Power supply lead	854-6357-00	1
Outer escutcheon	940-7715-01	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	330-8216-01	2
Cord clamp	335-0833-01	1
Spacer	345-3653-01	1
Special 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.

- 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.
- 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.
- Check for safety after repair.
 - Check that the screws, parts and wires are put back se-

curely 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.

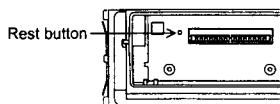
- Caution in removal and making wiring connection to the parts for the automobile.
 - Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.
- 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.
- 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.
- 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	A 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 for 2 seconds with a thin rod.



WIRING AND OPERATIONS

Caution on wiring

- Use a CeNET extension cable that is less than 20m in length. (including the Y-adaptor CCA-519)

CD changer operations

- When an optional CD changer is connected through the CeNET cable, this unit controls all CD changer functions. This unit can control a total of 2 changers (MD and/or CD).
- 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.

MD changer operations

- When an optional MD changer is connected through the CeNET cable, this unit controls all MD changer functions.
- This unit can display disc title and track titles already entered on MDs.
- Titles cannot be entered for MDs with this unit.

TV operations

- When an optional TV tuner is connected through the CeNET cable, this unit controls all TV tuner functions.
- This unit has a safety function which turns off the picture when the car is moving, so only the audio can be heard. The picture can only be watched when the car is stopped and the parking break is applied.

ADJUSTMENTS

Note: Please refer to the adjustment points of the circuit diagram and the printed wiring board.

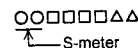
Dot clock adjustment (at Digital PWB)

- Turn the screen on, and connect TP601 (TEST) to GND.
- Adjust TC601 so that the reading of the frequency counter at TP602 (VSYNC) is 12MHz±0.02MHz.

S-meter adjustment (at Tuner pack)

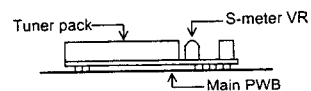
- Input the 98.1MHz/30dBμ (400Hz 30% MOD) signal.
- To make a test mode, press the Preset button 6 more than 1 second while holding the PLAY/PAUSE button.
- Adjust S-meter VR of the tuner pack so that the reading of the display is "28".

Test mode display



— Figure 1 —

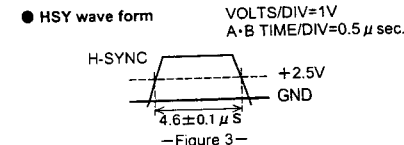
Side view of the main PWB



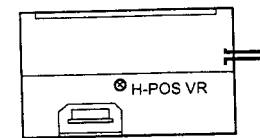
— Figure 2 —

H-sync adjustment (at LCD and LCD PWB)

- Adjust H-POS VR of the LCD module so that the width of H-SYNC pulse at 2.5V is 4.6±0.1μsec.



Reverse side view of LCD



— Figure 4 —

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

- Adjust VR701 so that the voltage of TP703 is 5.3±0.02V.
- Make sure the voltage has become the following value at each test point.
 - TP702 : 7.5±0.5V
 - TP704 : 13.0±0.5V
 - TP701 : -16.0±0.5V

Frequency of IC706 adjustment (at LCD PWB)

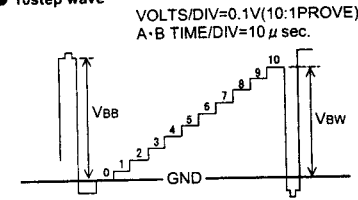
- Adjust VR708 so that the frequency of TP712 is 144kHz.

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



— Figure 5 —

- BRIGHT voltage confirmation
 - Make sure the voltage of TP706 is 2.0±0.1V.
- γ0 voltage confirmation
 - Make sure the voltage of TP707 is 1.95±0.1V.
- γ2 voltage confirmation
 - Make sure the voltage of TP708 is 2.15±0.1V.
- RGB-AMP/CONT-G adjustment
 - Adjust VR707 (RGB AMP) so that VBB voltage of TP710 is 4.0±0.05V.
 - Adjust VR703 (CONT) so that VBW voltage of TP710 is 3.8±0.05V.
- BRT-R Adjustment
 - Adjust VR705 (BRT-R) so that VBB voltage of TP711 is 4.0±0.05V.
- BRT-B Adjustment
 - Adjust VR706 (BRT-B) so that VBB voltage of TP709 is 4.0±0.05V.

7. COM-AMP adjustment

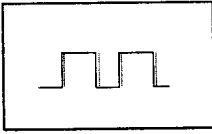
Adjust VR704(COM-AMP) so that the amplitude of TP705 is 8.0±0.1Vp-p.

8. Burst cleaning adjustment

Input a color bar signal.

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

● Burst cleaning



—Figure 6—

VCOM DC bias adjustment

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

■ EXPLANATION OF IC

■ M30624MG-D07GP 052-6043-00 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: BU 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 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

	Se13(pin50)	Se2(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

■ IR3Y29BM 051-5313-10 Image Signal Processing for TFT Liquid Crystal.

1. Terminal Description

- pin 1: TRAP : TRAP connection terminal
- pin 2: CONTRAST : CONTRAST adjustment terminal.
- pin 3: VIDEO IN : Composite video signal input terminal.
- pin 4: INDEN FIL : Filter connection terminal for INDENT detection.
- pin 5: CIN : Chroma signal input terminal.
- pin 6: COLOR : COLOR adjustment terminal.
- pin 7: BURST OUT : Burst cleaning coil connection terminal when PAL is selected.
- pin 8: KILLE FIL : Filter connection terminal for KILLER detection.
- pin 9: R-Y : Input terminal for color differential demodulation circuit.
- pin 10: B-Y : Input terminal of color differential demodulation circuit.
- pin 11: ACC FIL : Filter connection terminal for ACC detection.
- pin 12: CHROM OUT : Output terminal of chroma signal without burst after color adjustment.
- pin 13: TINT : Terminal for tint adjustment.
- pin 14: VCO IN : VCO input terminal.
- pin 15: APC FIL : Filter connection terminal for APC detection.
- pin 16: VCO OUT : VCO output terminal.
- pin 17: GND1 : GND1
- pin 18: GND2 : GND2
- pin 19: R OUT : RED primary color output terminal.
- pin 20: R DC DET : Smoothing capacitor connection terminal of feedback circuit for RED output DC level control.
- pin 21: G OUT : GREEN primary color output terminal.
- pin 22: G DC DET : Smoothing capacitor connection terminal of feedback circuit for GREEN output DC level control.
- pin 23: VCC2 : Power terminal for RGB output.
- pin 24: B OUT : BLUE primary color output terminal.
- pin 25: R DC DET : Smoothing capacitor connection terminal of feedback circuit for BLUE output DC level control.
- pin 26: GAMMA2 : Gamma 2 adjustment terminal.
- pin 27: GAMMA0 : Gamma 0 adjustment terminal.
- pin 28: RGB AMP : Oscillation adjustment terminal for RGB output signal.
- pin 29: BRIGHT : Adjustment of gamma correction curve and oscillation adjustment for common output.
- pin 30: SUB BR-B : Conduct BLUE brightness minor adjustment in connection with gamma correction curve.
- pin 31: SUB BR-R : Conduct RED brightness minor adjustment in connection with gamma correction curve.
- pin 32: COMM FRP : Timing pulse input terminal for common output level switching.
- pin 33: FRP : Timing pulse input terminal for RGB output polarity inversion.
- pin 34: SYNC IN : Level synchronism signal input terminal (Low active.)
- pin 35: SYNC OUT : Complex synchronism signal output.
- pin 36: SYNC SEP : Synchronism separation circuit input terminal.
- pin 37: COMM AMP : Common signal oscillation adjustment terminal.
- pin 38: COMM OUT : Common signal output.
- pin 39: SW IN : "H"= RGB input, "L"= Video input
- pin 40: B in : BLUE signal input
- pin 41: G in : GREEN signal input
- pin 42: R in : RED signal input
- pin 43: VCC1 : Power terminal
- pin 44: FADJ : Internal filter characteristic adjustment terminal.
- pin 45: CLAMP : Connect capacitor for pedestal clamp of brightness signal.
- pin 46: AGC FIL : Connection terminal for AGC adjustment of brightness signal.
- pin 47: AGC OUT : Output terminal for DC voltage which is made from brightness signal by detecting at AGC detecting circuit.
- pin 48: PICTURE : Frequency characteristic adjustment terminal for brightness signal.

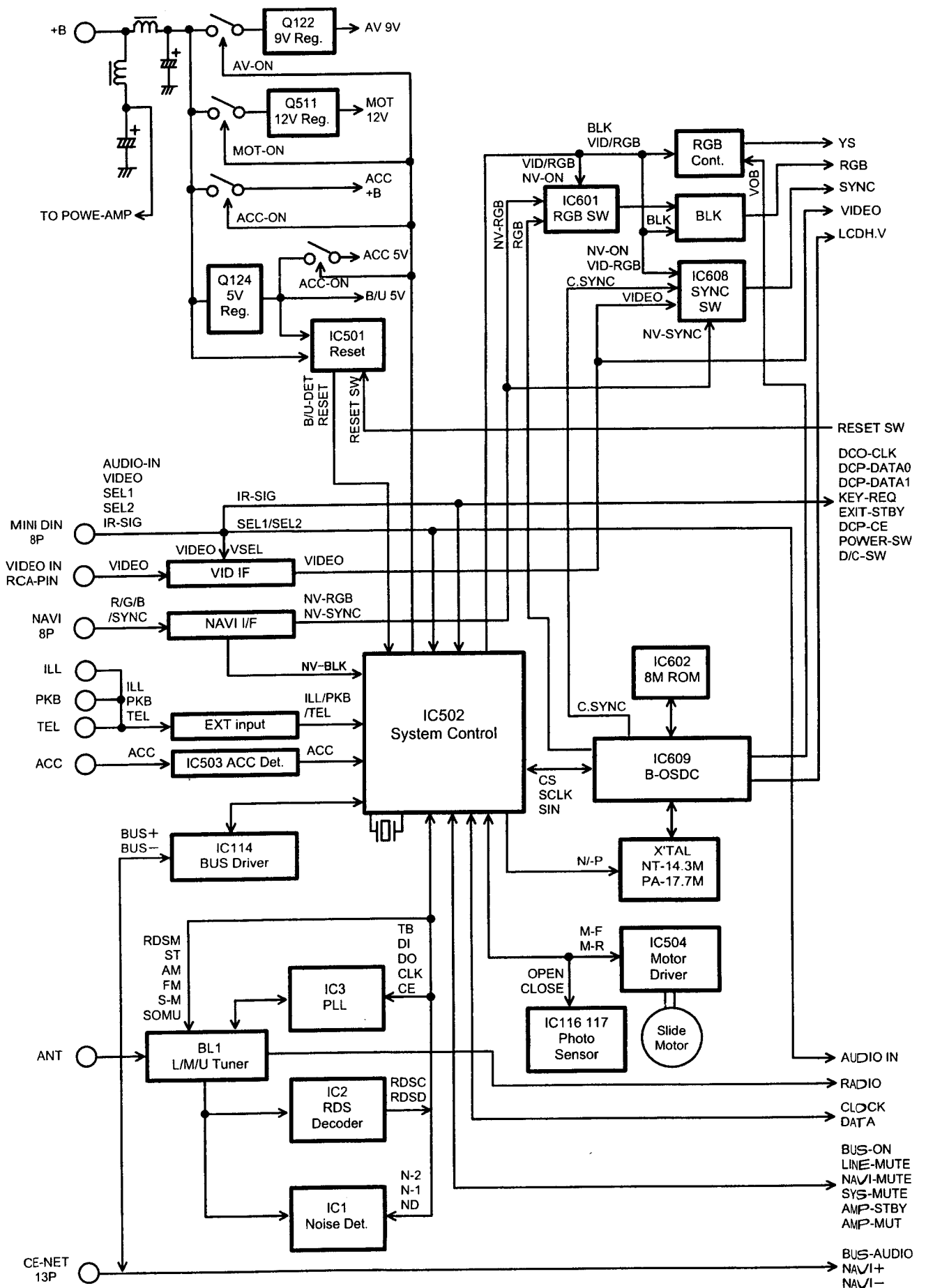
■ MB90092PF-G-BND 051-6412-00 ON Screen Display Controller

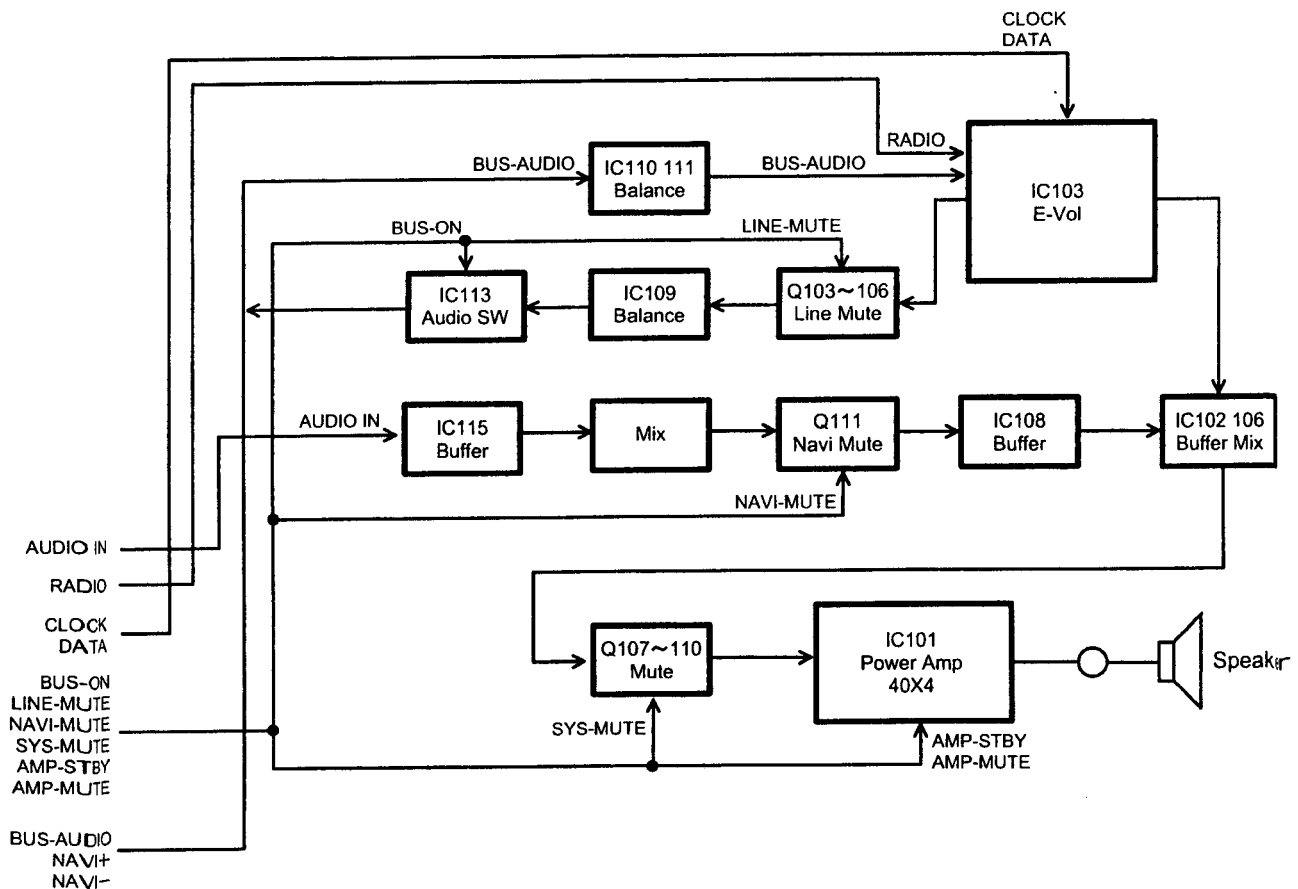
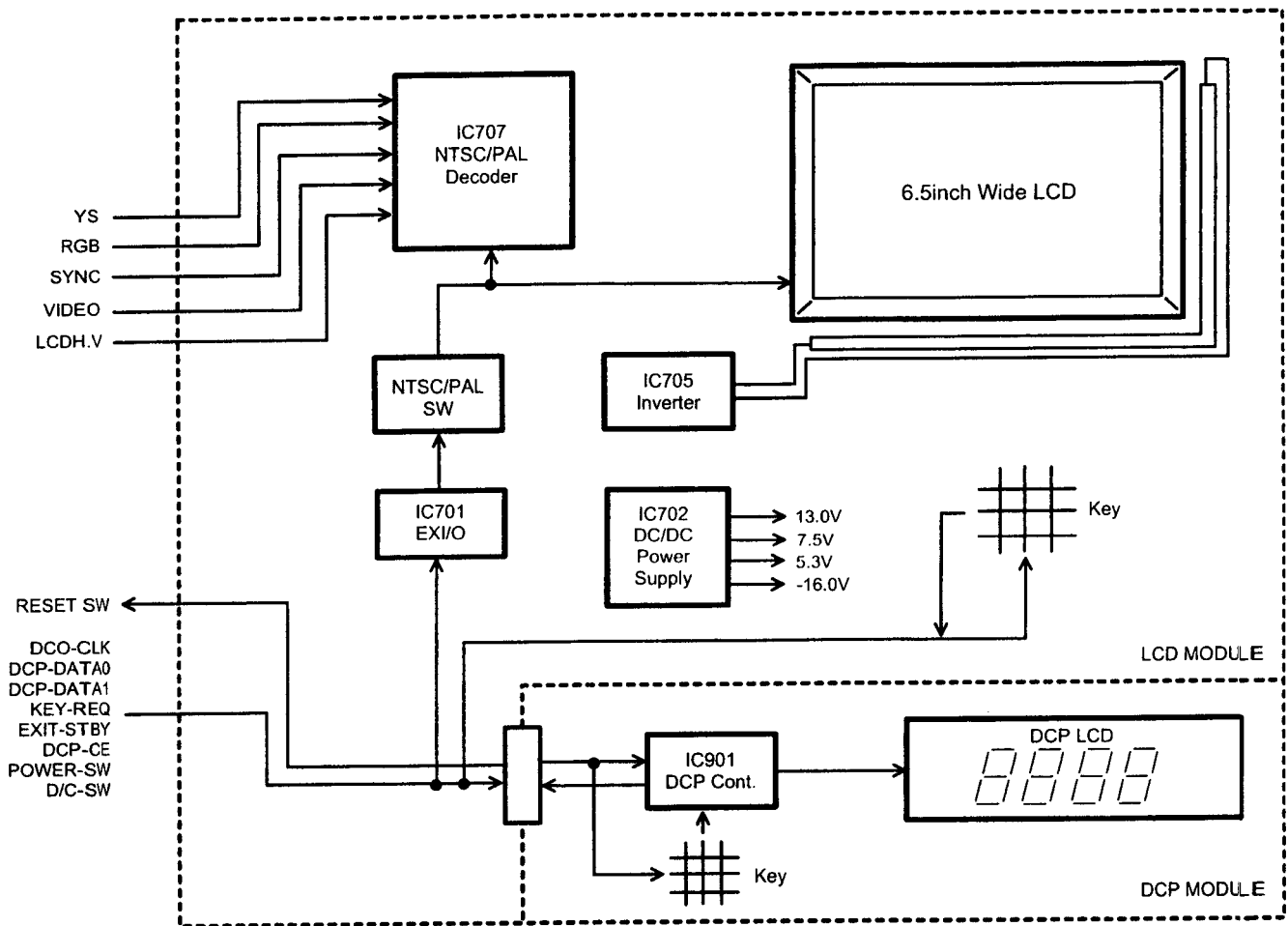
1. Terminal Description

- pin 1: IC : IN : Not in use. Connect to VDD.
- pin 2: VCC : O : Character signal output flag.
- pin 3: VOB : O : Character and background output flag
- pin 4: VSS : - : Ground.
- pin 5: BLUE : O : Blue output.
- pin 6: RED : O : Red output.
- pin 7: GREEN : O : Green output.

- pin 8: CS : IN : Chip select signal input. Negative logic.
- pin 9: S CLCK IN : IN : Serial data clock pulse input.
- pin 10: S IN : IN : Serial data input.
- pin 11: VCC : - : Positive supply voltage.
- pin 12: EX H SYN : IN : External horizontal synchronizing signal input. Negative logic.
- pin 13: EX V SYN : IN : External vertical synchronizing signal input. Negative logic.
- pin 14: H SYNC O : O : Horizontal synchronizing signal output. Negative logic.
- pin 15: V SYNC O : O : Vertical synchronizing signal output. Negative logic.
- pin 16: V BLNK : O : Vertical blanking flag output. Negative logic.
- pin 17: EXS : IN : Crystal connection for the color burst.
- pin 18: XS : O : Crystal connection for the color burst.
- pin 19: NU : - : Not in use.
- pin 20: FSCO : O : Internal color burst clock output.
- pin 21: CB CK : IN : External color burst clock input.
- pin 22: PDS : O : Output of the color burst phase comparator.
- pin 23: VSS : - : Ground.
- pin 24: A VSS : - : Analog ground.
- pin 25: NU : - : Not in use.
- pin 26: NU : - : Not in use.
- pin 27: NU : - : Not in use.
- pin 28: NU : - : Not in use.
- pin 29: A VSS : - : Analog ground.
- pin 30: A VSS : - : Analog ground.
- pin 31: Y OUT : O : Brightness signal output.
- pin 32: Y IN : IN : Brightness signal input of superimpose.
- pin 33: A VCC 2 : - : Positive supply voltage for the brightness signal and chromatic signal.
- pin 34: C OUT : O : Chromatic signal output.
- pin 35: C IN : IN : Chromatic signal input of superimpose.
- pin 36: A VSS : - : Analog ground.
- pin 37: V OUT : O : Composite video signal output.
- pin 38: VK IN : IN : Background tone adjust input.
- pin 39: VK OUT : O : Background tone adjust output.
- pin 40: V IN : IN : Composite video signal input at superimpose.
- pin 41: A VCC 1 : - : Positive supply voltage for the composite video signal.
- pin 42: VCC : - : Positive supply voltage.
- pin 43: READ : O : Read signal output to the font memory.
- pin 44: DA 0 : IN : Data input from the font memory.
- pin 45: DA 1 : IN : Data input from the font memory.
- pin 46: DA 2 : IN : Data input from the font memory.
- pin 47: DA 3 : IN : Data input from the font memory.
- pin 48: DA 4 : IN : Data input from the font memory.
- pin 49: DA 5 : IN : Data input from the font memory.
- pin 50: DA 6 : IN : Data input from the font memory.
- pin 51: DA 7 : IN : Data input from the font memory.
- pin 52: VSS : - : Ground.
- pin 53: ADR 0 : O : Address output to the font memory.
- pin 54: ADR 1 : O : Address output to the font memory.
- pin 55: ADR 2 : O : Address output to the font memory.
- pin 56: ADR 3 : O : Address output to the font memory.
- pin 57: ADR 4 : O : Address output to the font memory.
- pin 58: ADR 5 : O : Address output to the font memory.
- pin 59: ADR 6 : O : Address output to the font memory.
- pin 60: ADR 7 : O : Address output to the font memory.
- pin 61: ADR 8 : O : Address output to the font memory.
- pin 62: VCC : - : Positive supply voltage.
- pin 63: ADR 9 : O : Address output to the font memory.
- pin 64: ADR 10 : O : Address output to the font memory.
- pin 65: VSS : - : Ground.
- pin 66: ADR 11 : O : Address output to the font memory.
- pin 67: ADR 12 : O : Address output to the font memory.
- pin 68: ADR 13 : O : Address output to the font memory.
- pin 69: ADR 14 : O : Address output to the font memory.
- pin 70: ADR 15 : O : Address output to the font memory.
- pin 71: ADR 16 : O : Address output to the font memory.
- pin 72: ADR 17 : O : Address output to the font memory.
- pin 73: ADR 18 : O : Address output to the font memory.
- pin 74: ADR 19 : O : Address output to the font memory.
- pin 75: ADR 20 : O : Address output to the font memory.
- pin 76: VCC : - : Positive supply voltage.
- pin 77: TSC : IN : Tri state control signal input. "L"= Bus terminals are high impedance.
- pin 78: TEST : IN : Not in use.
- pin 79: EXD : IN : LC connection for the dot clock generator.
- pin 80: XD : O : LC connection for the dot clock generator.

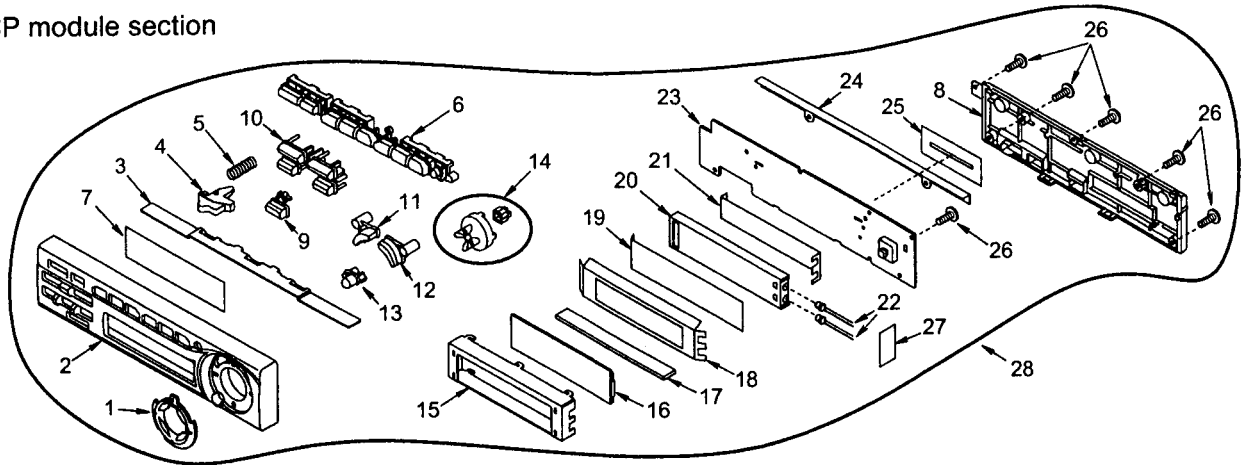
■ BLOCK DIAGRAM





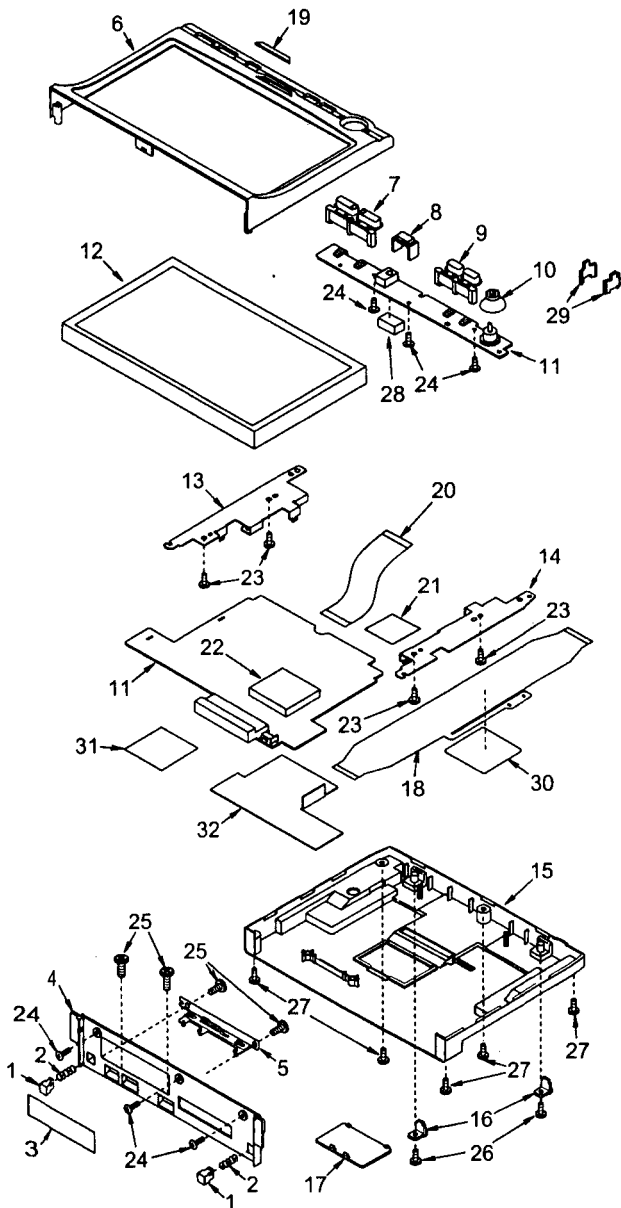
EXPLODED VIEW • PARTS LIST

DCP module section

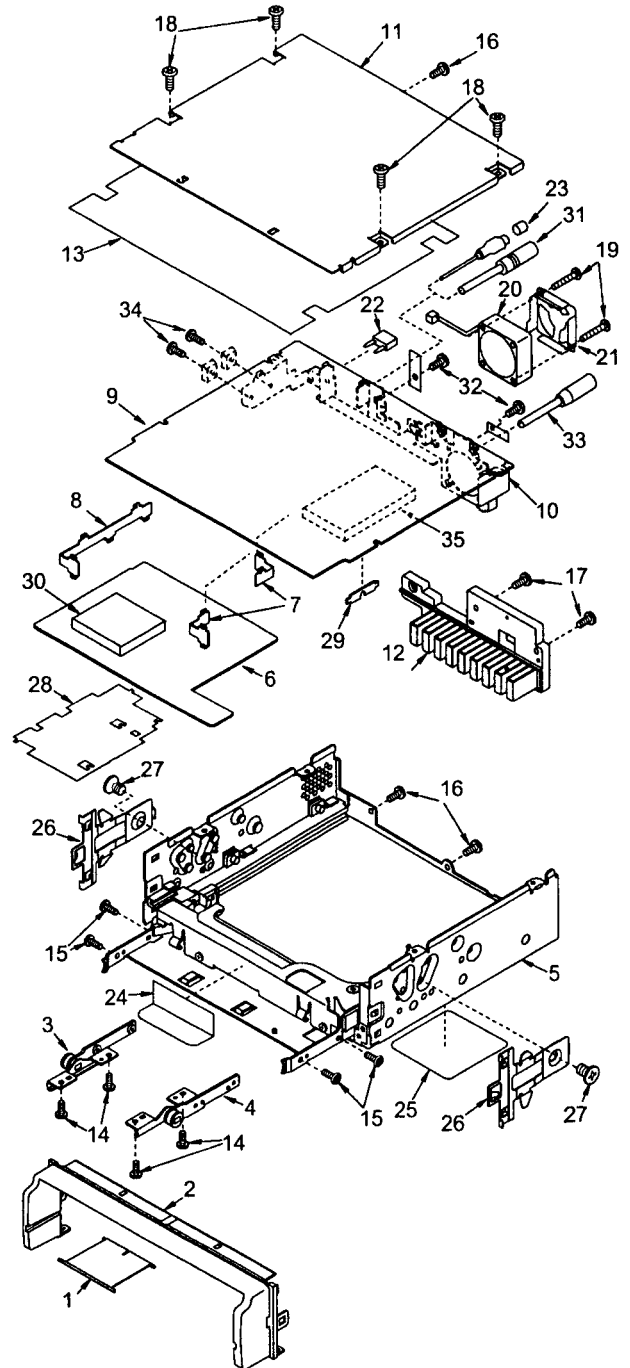


LCD module section

Note: Please refer to page 10 when you release the LCD module from the main unit.



Main section



DCP module section

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	335-6084-00	ILLUMI PART	1	16	379-1162-41	INDICATOR(FOR DCP)	1
2	370-5828-00	ECSUTCHEON	1	17	345-8389-00	RUBBER CONNECTOR	1
3	331-2770-00	SPACER	1	18	347-5336-00	FILM	1
4	335-6082-00	LEVER(Release)	1	19	347-5337-00	CCS FILM	1
5	750-6696-00	SPRING	1	20	335-5138-00	ILLUMI PLATE	1
6	947-0495-00	BUTTON ASSY	1	21	347-5335-00	REFLECTOR	1
7	371-3912-00	TRIM PLATE	1	22	001-7030-00	DIODE	1
8	335-6081-00	BACK PLATE	1	23	039-1528-00	DCP PWB (WITHOUT COMPONENT)	1
9	382-5455-00	BUTTON(RPT)	1	24	347-6155-00	INSULATOR	1
10	382-5470-00	BUTTON(SCN/RDM/Z-E/TA)	1	25	347-6115-00	SHADE	1
11	382-5468-00	BUTTON(BAND)	1	26	716-0872-11	PAD SCREW	6
12	382-5467-00	BUTTON(FUNC)	1	27	347-2061-00	LABEL	1
13	382-5466-00	BUTTON(PLAY/PAUSE)	1	28	DCP-177-700	DCP ASSY	1
14	948-0498-00	KNOB ASSY	1				
15	331-2771-00	LCD COVER	1				

LCD module section

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	335-5147-00	EJECTOR	2	17	335-6089-00	CONNECT COVER	1
2	750-6697-00	SPRING	2	18	039-1512-00	FLEXIBLE PWB	1
3	347-5187-01	GUIDE LABEL	1	19	379-0515-00	BADGE(Clarion)	1
4	335-6078-00	DCP COVER	1	20	816-2439-00	FLAT WIRE	1
5	948-0539-00	HOOK-P-ASSY	1	21	347-6110-00	INSULATOR	1
6	373-0909-00	DIAL COVER	1	22	331-2789-00	SHIELD CASE	1
7	382-5456-00	BUTTON(IN/OUT)	1	23	702-2605-80	TAP SCREW	4
8	335-6077-00	IR FILTER	1	24	716-0872-02	PAD SCREW	6
9	382-5457-00	BUTTON(MENU/VIEW)	1	25	702-2606-87	TAP SCREW	4
10	380-5452-00	KNOB(JOG)	1	26	702-2006-89	TAP SCREW	2
11	039-1545-00	LCD PWB (WITHOUT COMPONENT)	1	27	702-2010-87	TAP SCREW	5
12	379-4025-00	INDICATOR(6.5inch)	1	28	345-8378-00	SPACER	1
13	331-2710-00	LCD BRACKET A	1	29	335-6076-00	ILLUMI PART	2
14	331-2711-00	LCD BRACKET B	1	30	347-6114-00	SHADE	1
15	377-2613-00	DIAL SUPPORT	1	31	347-5422-00	SHIELD SHEET	1
16	335-5161-00	LOCK	2	32	347-6154-00	SHIELD SHEET	1

Main section

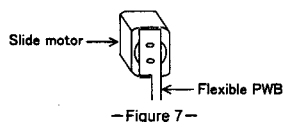
NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	335-6075-00	FLEXIBLE PWB COVER	1	14	780-2606-03	IT SCREW	4
2	370-5829-00	ESCUTCHEN	1	15	780-2605-02	MACHINE SCREW	4
3	948-0523-00	TORQUE BUSH L	1	16	731-2605-80	TAP SCREW	.3
4	948-0523-10	TORQUE BUSH R	1	17	714-2610-80	MACHINE SCREW	2
5	948-0530-00	SLIDE MECH ASSY(cf.p10-11)	1	18	716-1494-00	IT SCREW	4
6	039-1520-01	DIGITAL PWB (WITHOUT COMPONENT)	1	19	780-6215-00	MACHINE SCREW	2
7	331-2712-00	PWB HOLDER A	2	20	020-3038-00	FAN	1
8	331-2713-00	PWB HOLDER B	1	21	331-2727-00	FAN COVER	1
9	039-1519-00	MAIN PWB (WITHOUT COMPONENT)	1	22	060-8021-07	AUTO FUSE(15A)	1
10	331-2714-00	CONNECTOR PLATE	1	23	345-3799-00	CAP	1
11	311-1778-00	LOWER CASE	1	24	347-6136-00	FLEXIBLE PWB GUIDE	1
12	313-1761-00	HEAT SINK	1	25	286-9262-00	SETPLATE	1
13	347-6111-00	INSULATOR	1	26	750-2796-02	SPRING	2
				27	714-5008-41	MACHINE SCREW	2

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
28	347-6153-00	SHIELD SHEET	1	32	714-3005-80	MACHINE SCREW	2
29	347-6113-00	SHIELD SHEET	1	33	092-0701-01	ANTENNA RECEPTACLE	1
30	331-2790-00	SHIELD CASE	1	34	714-2606-80	MACHINE SCREW	2
31	855-1428-00	8P-DIN/RCA CORD	1	35	880-2084C	F/M/L TUNER PACK	1

How to release LCD module

Refer to the exploded view of the main section on page 8.

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).(Figure 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).

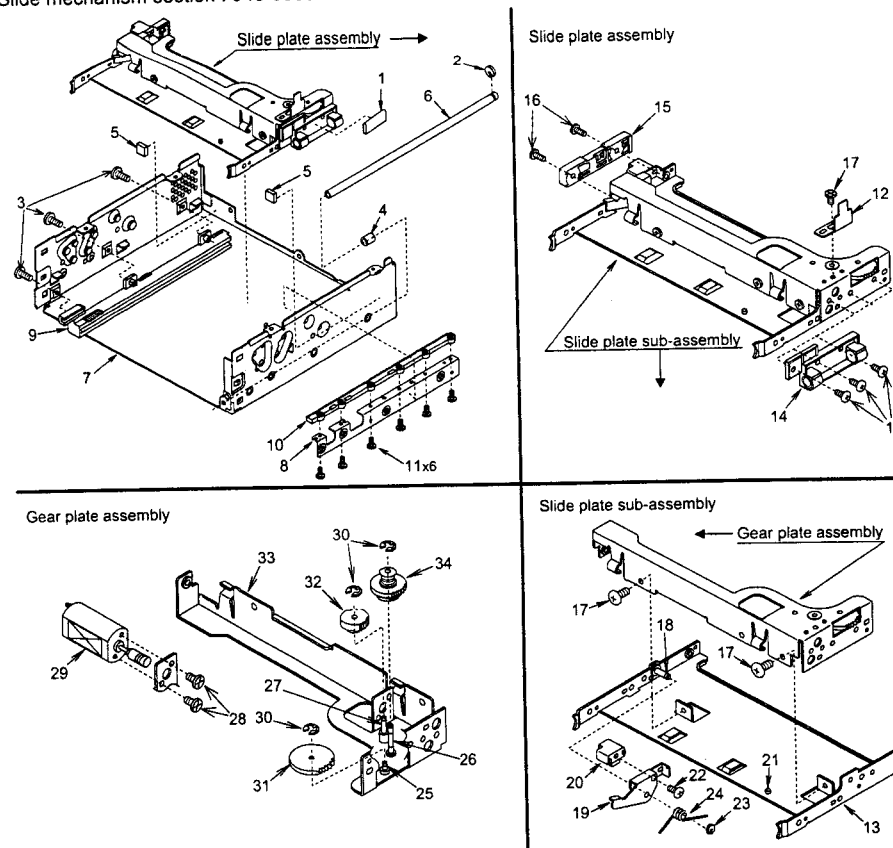
EXPLODED VIEW · PARTS LIST

Slide mechanism section : 948-0530-00

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	354-8388-00	CUSHION	1	18	341-1705-00	PIN	1
2	744-0041-00	E-RING	1	19	331-2703-00	LOCK LEVER	1
3	702-2006-80	TAP SCREW	3	20	335-6073-00	LOCK BASE	1
4	345-8357-00	SPACER	1	21	341-1709-00	PIN	1
5	345-8358-00	SPACER	2	22	702-2606-87	TAP SCREW	1
6	612-0402-00	SHAFT	1	23	743-2000-10	E-RING	1
7	310-1683-00	UPPER CASE	1	24	750-3399-00	SPRING	1
8	331-2702-00	RACK HOLDER	1	25	341-1708-00	PIN	1
9	335-6080-00	SLIDE HOLDER	1	26	341-1707-00	PIN	1
10	335-6074-00	RACK	1	27	341-1706-00	PIN	1
11	716-0872-00	PAD SCREW	6	28	714-2003-81	MACHINE SCREW	2
12	331-2704-00	SENSOR PLATE	1	29	634-0017-00	MOTOR ASSY	1
13	331-2700-00	SLIDE PLATE	1	30	743-1500-01	E-RING	3
14	623-1034-00	HOLDER	1	31	613-0682-00	GEAR	1
15	335-6079-00	SLIDER	1	32	613-0300-00	GEAR	1
16	780-2606-03	IT SCREW	5	33	331-2701-00	GEAR PLATE	1
17	716-0878-01	IT SCREW	3	34	634-0016-00	GEAR ASSY	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.

Slide mechanism section : 948-0530-00



ELECTRICAL PARTS LIST

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

Main PWB section(B1)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
BL1	880-2084C	F/M/L-TUNER	C24	178-3312-78	330pF	C57	176-1011-00	100pF CH
C1	178-1032-78	0.01 μ F	C25	176-1011-00	100pF CH	C58	176-1011-00	100pF CH
C2	042-0595-80	50V2.2 μ F	C26	176-1011-00	100pF CH	C101	178-1032-78	0.01 μ F
C3	042-0595-80	50V2.2 μ F	C27	176-1011-00	100pF CH	C102	176-4701-00	47pF CH
C4	176-1801-00	18pF CH	C29	042-0595-65	16V47 μ F	C103	178-1045-79	0.1 μ F
C5	178-2232-78	0.022 μ F	C30	178-4732-78	0.047 μ F	C104	042-0592-58	16V 10 μ F
C6	163-2263-30	16V22 μ F	C32	042-0595-65	16V47 μ F	C105	042-0592-58	16V 10 μ F
C7	178-3322-78	3300pF	C33	178-1042-78	0.1 μ F	C106	042-0592-58	16V 10 μ F
C8	178-4732-78	0.047 μ F	C34	042-0595-79	50V1 μ F	C107	042-0592-73	50V1 μ F
C9	178-2232-78	0.022 μ F	C35	178-1042-78	0.1 μ F	C108	042-0592-74	50V 2.2 μ F
C10	178-2232-78	0.022 μ F	C36	178-2212-78	220pF	C109	178-6822-78	6800pF
C11	178-3932-78	0.039 μ F	C37	178-8222-78	8200pF	C110	176-2201-00	22pF CH
C12	178-6822-78	6800pF	C38	176-1011-00	100pF CH	C111	042-0595-62	16V10 μ F
C13	178-2222-78	2200pF	C40	178-1222-78	1200pF	C112	178-6835-79	0.068 μ F
C14	178-1022-78	1000pF	C41	176-1501-00	15pF CH	C113	178-1022-78	1000pF
C15	178-2232-78	0.022 μ F	C42	176-1801-00	18pF CH	C114	178-2212-78	220pF
C16	178-1022-78	1000pF	C43	042-0595-79	50V1 μ F	C115	178-1032-78	0.01 μ F
C17	178-2232-78	0.022 μ F	C44	042-0595-79	50V1 μ F	C116	178-1055-79	1 μ F
C18	178-2232-78	0.022 μ F	C46	178-1022-78	1000pF	C118	042-0592-66	35V 4.7 μ F
C19	178-2232-78	0.022 μ F	C47	178-1022-78	1000pF	C119	042-0592-59	16V22 μ F
C20	178-2212-78	220pF	C48	178-1022-78	1000pF	C120	042-0592-58	16V 10 μ F
C21	176-8201-00	82pF CH	C49	176-1011-00	100pF CH	C121	042-0595-62	16V10 μ F
C22	042-0595-80	50V2.2 μ F	C50	176-1011-00	100pF CH	C122	042-0592-70	50V0.22 μ F
C23	176-4701-00	47pF CH	C51	176-1011-00	100pF CH	C123	042-0592-70	50V0.22 μ F

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C124	042-0592-70	50V0.22 μF	C208	042-0592-58	16V 10 μF	D124	001-4300-48	HZU 9.1B3	Q115	100-1162-00	2SA1162	R102	117-2231-10	1/10W 22k Ω	R188	117-1031-10	1/10W 10k Ω
C125	042-0592-70	50V0.22 μF	C209	176-2201-00	22pF CH	D124	001-0528-48	MA8091-H	Q115	100-1037-00	2SA1037	R103	117-1031-10	1/10W 10k Ω	R189	117-2231-10	1/10W 22k Ω
C126	178-1042-78	0.1 μF	C210	042-0595-62	16V10 μF	D150	001-0528-25	MA8047-L	Q116	100-1162-00	2SA1162	R104	117-3321-10	1/10W 3.3k Ω	R190	117-3321-10	1/10W 3.3k Ω
C127	178-1042-78	0.1 μF	C211	178-1032-78	0.01 μF	D150	001-4300-25	HZU4.7B1	Q116	100-1037-00	2SA1037	R105	117-6831-10	1/10W 68k Ω	R191	117-1031-10	1/10W 10k Ω
C128	042-0592-58	16V 10 μF	C212	042-0592-58	16V 10 μF	IC1	051-0350-55	NJM4558M	Q117	125-2020-03	DTC124EK	R106	117-1531-10	1/10W 15k Ω	R192	032-0104-61	1/4W 2.2k Ω
C129	176-4701-00	47pF CH	C213	042-0592-66	35V 4.7 μF	IC2	051-1819-50	TDA7479D	Q117	125-2004-03	RN1403	R107	117-3331-10	1/10W 33k Ω	R193	117-1531-10	1/10W 15k Ω
C130	042-0592-58	16V 10 μF	C214	176-2201-00	22pF CH	IC3	051-6201-00	LCT7146M	Q118	125-2020-03	DTC124EK	R108	117-2231-10	1/10W 22k Ω	R194	032-0104-67	1/4W 1.2k Ω
C132	042-0595-80	50V2.2 μF	C215	042-0592-66	35V 4.7 μF	IC101	051-2023-01	TA8260AH	Q118	125-2004-03	RN1403	R109	117-2221-10	1/10W 2.2k Ω	R196	117-4721-10	1/10W 4.7k Ω
C134	184-2283-32	16V2200 μF	C216	176-2201-00	22pF CH	IC102	051-3015-00	NJM4580M	Q119	125-2020-03	DTC124EK	R110	117-2721-10	1/10W 2.7k Ω	R197	117-3321-10	1/10W 3.3k Ω
C135	042-0595-79	50V1 μF	C217	042-0592-66	35V 4.7 μF	IC103	051-5008-00	M62419FP	Q119	125-2004-03	RN1403	R111	117-4731-10	1/10W 47k Ω	R198	117-1031-10	1/10W 10k Ω
C136	178-1032-78	0.01 μF	C218	178-1032-78	0.01 μF	IC104	051-0350-55	NJM4558M	Q120	103-0601-00	2SD601A	R112	117-4721-10	1/10W 4.7k Ω	R199	117-2231-10	1/10W 22k Ω
C137	178-1032-78	0.01 μF	C219	163-1073-31	16V100 μF	IC105	051-3015-00	NJM4580M	Q120	102-2412-00	2SC2412	R113	117-6831-10	1/10W 68k Ω	R200	117-4731-10	1/10W 47k Ω
C138	042-0595-62	16V10 μF	C220	178-1032-78	0.01 μF	IC106	051-3015-00	NJM4580M	Q120	102-2712-00	2SC2712	R114	117-8221-10	1/10W 8.2k Ω	R201	117-4731-10	1/10W 47k Ω
C139	042-0595-62	16V10 μF	C221	163-1073-31	16V100 μF	IC108	051-0350-55	NJM4558M	Q121	100-1313-00	2SA1330.Y	R115	117-3331-10	1/10W 33k Ω	R202	117-2231-10	1/10W 22k Ω
C140	042-0592-58	16V 10 μF	C222	178-1032-78	0.01 μF	IC109	051-3015-00	NJM4580M	Q122	103-1683-00	2SD1683	R116	117-1021-10	1/10W 1k Ω	R203	117-2231-10	1/10W 22k Ω
C141	176-4701-00	47pF CH	C223	163-1073-31	16V100 μF	IC110	051-3015-00	NJM4580M	Q123	100-1431-00	2SA1431	R117	117-1031-10	1/10W 10k Ω	R204	117-4731-10	1/10W 47k Ω
C142	042-0592-58	16V 10 μF	C224	163-1073-31	16V100 μF	IC111	051-3015-00	NJM4580M	Q124	101-1143-00	2SB1143	R118	117-1231-10	1/10W 12k Ω	R205	117-4731-10	1/10W 47k Ω
C143	042-0592-58	16V22 μF	C225	178-2232-78	0.022 μF	IC112	051-3201-00	AN77L06	Q125	100-1431-00	2SA1431	R119	117-8221-10	1/10W 8.2k Ω	R206	117-2231-10	1/10W 22k Ω
C144	042-0592-66	35V 4.7 μF	C226	178-1042-78	0.1 μF	IC113	051-7232-08	74VHC4066M	Q126	100-1431-00	2SA1431	R120	117-2231-10	1/10W 22k Ω	R207	117-2231-10	1/10W 22k Ω
C145	042-0595-66	25V4.7 μF	C227	172-1041-11	0.1 μF	IC114	051-6600-38	CA0008AM	Q127	100-1213-00	2SA1213	R121	117-1531-10	1/10W 15k Ω	R208	117-1031-10	1/10W 10k Ω
C146	042-0592-58	16V 10 μF	C228	172-1041-11	0.1 μF	IC115	051-0350-55	NJM4558M	Q127	101-1123-00	2SB1123	R122	117-3321-10	1/10W 3.3k Ω	R209	117-4731-10	1/10W 47k Ω
C147	042-0592-74	50V 2.2 μF	C229	178-2212-78	220pF	IC116	051-5801-00	GP1553V	Q127	100-1797-00	2SA1797	R123	117-1031-10	1/10W 10k Ω	R210	117-1031-10	1/10W 10k Ω
C148	178-2212-78	220pF	C230	042-0595-62	16V10 μF	IC117	051-5801-00	GP1553V	Q128	125-2020-03	DTC124EK	R124	117-1031-10	1/10W 10k Ω	R211	117-1531-10	1/10W 15k Ω
C149	178-1055-79	1 μF	C231	042-0592-66	35V 4.7 μF	J101	074-1238-00	16P(POWER)	Q128	125-2004-03	RN1403	R125	117-2731-10	1/10W 27k Ω	R212	117-4731-10	1/10W 47k Ω
C150	176-2201-00	22pF CH	C232	042-0592-66	35V 4.7 μF	J102	074-1194-00	13P CE-NET	Q129	125-0002-03	RN2403	R126	117-1021-10	1/10W 1k Ω	R213	117-1041-10	1/10W 100k Ω
C151	042-0595-62	16V10 μF	C233	042-0595-62	16V10 μF	J103	074-1030-00	MINI DIN 8P	Q129	125-0014-03	DTA124EK	R127	117-2731-10	1/10W 27k Ω	R214	117-2231-10	1/10W 22k Ω
C152	178-6832-78	0.068 μF	C234	042-0595-62	16V10 μF	L1	010-2003-04	COIL	Q130	125-2020-07	DTC114YK	R128	117-3331-10	1/10W 33k Ω	R215	117-2231-10	1/10W 22k Ω
C153	178-1022-78	1000pF	C235	178-1032-78	0.01 μF	L2	010-2199-54	0.22 μH J	Q130	125-2004-07	RN1407	R130	117-2231-10	1/10W 22k Ω	R216	117-2231-10	1/10W 22k Ω
C154	042-0595-62	16V10 μF	C236	042-0595-62	16V10 μF	L3	010-2174-28	220 μH	Q131	125-2020-03	DTC124EK	R131	117-3331-10	1/10W 33k Ω	R217	117-1011-10	1/10W 100 Ω
C155	178-6822-78	6800pF	C237	178-2212-78	220pF	L4	010-2174-36	1mH	Q131	125-2004-03	RN1403	R132	117-1031-10	1/10W 10k Ω	R218	117-1011-10	1/10W 100 Ω
C156	042-0592-59	16V22 μF	C238	178-1042-78	0.1 μF	L5	010-2199-66	2.2 μH J	Q132	125-2020-03	DTC124EK	R133	117-6831-10	1/10W 68k Ω	R219	117-1011-10	1/10W 100 Ω
C157	042-0592-58	16V 10 μF	C239	042-0595-62	16V10 μF	L6	010-2199-66	2.2 μH J	Q132	125-2004-03	RN1403	R134	117-3331-10	1/10W 33k Ω	R220	117-1011-10	1/10W 100 Ω
C158	178-1042-78	0.1 μF	C240	178-1032-78	0.01 μF	P1	074-0977-14	SOCKET-14P	Q133	125-2020-03	DTC124EK	R135	117-3331-10	1/10W 33k Ω	R221	117-1031-10	1/10W 10k Ω
C159	042-0592-73	50V1 μF	C241	042-0595-62	16V10 μF	P101	074-0977-19	SOCKET-19P	Q133	125-2004-03	RN1403	R137	117-2231-10	1/10W 22k Ω	R223	117-1041-10	1/10W 100k Ω
C160	176-4701-00	47pF CH	C242	042-0595-64	16V33 μF	P102	076-0349-02	2P	Q134	125-2020-01	DTC143EK	R138	117-3311-10	1/10W 330 Ω	R224	117-1041-10	1/10W 100k Ω
C161	042-0592-58	16V 10 μF	C244	042-0595-62	16V10 μF	P103	074-0977-17	SOCKET-17P	Q134	125-2004-01	RN1401	R139	117-1531-10	1/10W 15k Ω	R225	117-1041-10	1/10W 100k Ω
C162	042-0592-58	16V 10 μF	C251	178-1022-78	1000pF	Q1	125-2004-02	RN1402	Q135	102-2873-00	2SC2873	R140	117-1031-10	1/10W 10k Ω	R226	117-1041-10	1/10W 100k Ω
C163	042-0592-58	16V 10 μF	C252	178-1022-78	1000pF	Q2	125-2020-02	DTC114EK	Q136	100-1162-00	2SA1162	R141	117-2231-10	1/10W 22k Ω	R227	117-2231-10	1/10W 22k Ω
C165	178-1032-78	0.01 μF	C253	178-1022-78	1000pF	Q2	125-2004-06	DTC143ZK	Q136	100-1037-00	2SA1037	R142	117-3311-10	1/10W 330 Ω	R228	117-1531-10	1/10W 15k Ω
C171	178-1032-78	0.01 μF	C254	178-1022-78	1000pF	Q2	125-2004-06	RN1406	Q137	125-2004-03	RN1403	R143	117-1231-10	1/10W 12k Ω	R229	117-2231-10	1/10W 22k Ω
C172	178-4722-78	4700pF	D1	001-0541-00	MA157	Q3	125-0014-03	DTA124EK	Q137	125-2020-03	DTC124EK	R144	117-8221-10	1/10W 8.2k Ω	R230	117-1031-10	1/10W 10k Ω
C173	178-1032-78	0.01 μF	D2	001-4300-31	HZU 5.6B1	Q4	125-0002-03	RN2403	R1	117-1821-10	1/10W 1.8k Ω	R145	117-3311-10	1/10W 330 Ω	R231	117-5611-10	1/10W 560 Ω
C174	178-1055-79	1 μF	D1	001-0580-00	1SS352	Q3	102-3326-00	2SC3326	R2	117-3921-10	1/10W 3.9k Ω	R146	117-3331-10	1/10W 33k Ω	R232	117-1031-10	1/10W 10k Ω
C175	042-0595-84	10V100 μF	D101	001-0516-00	MA111	Q4	103-1306-00	2SD1306	R3	117-2211-10	1/10W 220 Ω	R147	117-4721-10	1/10W 4.7k Ω	R233	117-2231-10	1/10W 22k Ω
C176	042-0595-84	10V100 μF	D101	001-0516-00	MA111	Q5	100-1162-00	2SA1162	R4	117-1031-10	1/10W 10k Ω	R148	117-2231-10	1/10W 22k Ω	R234	032-0104-68	1/4W 22 Ω
C177	178-1032-78	0.01 μF	D102	001-0580-00	1SS352	Q5	100-1037-00	2SA1037	R5	117-1021-10	1/10W 1k Ω	R149	117-3311-10	1/10W 330 Ω	R235	117-1031-10	1/10W 10k Ω
C178	042-0595-79	50V1 μF	D102	001-0516-00	MA111	Q6	100-1298-00	2SA1298	R6	117-2231-10	1/10W 22k Ω	R150	117-1031-10	1/10W 10k Ω	R236	117-1031-10	1/10W 10k Ω
C179	178-4722-78	4700pF	D103	001-2606-90	M1FS4	Q8	108-0669-00	2SK669	R7	117-1041-10	1/10W 100k Ω	R151	117-2231-10	1/10W 22k Ω	R237	117-1031-10	1/10W 10k Ω
C180	042-0595-62	16V10 μF	D104	001-2606-90	M1FS4	Q101	100-1037-00	2SA1037	R8	032-0104-73	1/4W 330 Ω	R152	117-1531-10	1/10W 15k Ω	R238	117-1031-10	1/10W 10k Ω
C181	184-2283-32	16V2200 μF	D105	001-2606-90	M1FS4	Q101	100-1162-00	2SA1162	R9	117-4721-10	1/10W 4.7k Ω	R153	117-1531-10	1/10W 15k Ω	R239	111-6811-81	1/2WS 680 Ω
C182	176-2201-00	22pF CH	D106	001-2606-90	M1FS4	Q102	100-1037-00	2SA1037	R10	117-3321-10	1/10W 3.3k Ω	R154	117-6831-10	1/10W 68k Ω	R240	117-4721-10	1/10W 4.7k Ω
C183	172-1041-11	0.1 μF	D111	001-0580-00	1SS352	Q102	100-1162-00	2SA1162	R11	117-2031-10	1/10W 20k Ω	R155	117-2231-10	1/10W 22k Ω	R241	111-6811-81	1/2WS 680 Ω
C184	042-0595-62	16V10 μF	D111	001-0516-00	MA111	Q103	102-3326-00	2SC3326	R12	117-4741-10	1/10W 470k Ω	R156	117-2221-10	1/10W 2.2k Ω	R242	117-4711-10	1/10W 470 Ω
C185	042-0592-58	16V 10 μF	D112	001-0580-00	1SS352	Q103	103-1306-00	2SD1306	R13	117-1231-10	1/10W 12k Ω	R157	117-2721-10	1/10W 2.7k Ω	R243	117-1041-10	1/10W 100k Ω
C186	042-0592-58	16V 10 μF	D112	001-0516-00	MA111	Q104											

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R265	117-2721-10	1/10W 2.7kΩ	T101	009-0659-01	0.35mH	X2	061-1066-00	7.2MHz
SUP1	060-0122-10	DSP-201M-S00B	X1	061-3013-00	4.33MHz			

Digital PWB section(B2)

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C501	168-1022-05	1000pF	CCT607	050-0122-00	10kΩ X4 J	Q504	125-0021-07	DTA113ZU
C502	042-0595-62	16V10 μF	CCT608	050-0122-64	330Ω X4	Q504	125-0020-07	UN5119
C503	166-1501-00	15pF CH	CCT609	050-0122-64	330Ω X4	Q505	125-0020-07	UN5119
C504	166-1501-00	15pF CH	CCT610	050-0122-64	330Ω X4	Q505	125-0021-07	DTA113ZU
C505	168-1022-05	1000pF	D501	001-0516-00	MA111	Q506	125-2004-03	RN1403
C507	168-1032-05	0.01 μF	D501	001-0517-00	1SS355	Q506	125-2020-03	DTC124EK
C508	042-0595-56	6.3V47 μF	D504	001-0516-00	MA111	Q507	102-2712-00	2SC2712
C509	168-1022-05	1000pF	D504	001-0517-00	1SS355	Q507	102-2412-00	2SC2412
C510	043-0296-00	0.1 μF	D505	001-0517-00	1SS355	Q507	103-0601-00	2SD601A Q,R,S
C511	168-1032-05	0.01 μF	D505	001-0516-00	MA111	Q508	101-0709-00	2SB709A-Q,R,S
C512	168-4735-06	0.047 μF	D506	001-0537-00	SFPM-62	Q508	100-1037-00	2SA1037
C513	168-1022-05	1000pF	D508	001-0537-00	SFPM-62	Q508	100-1162-00	2SA1162
C514	178-2242-78	0.22 μF	D511	001-0584-23	MA8075	Q511	102-2873-00	2SC2873
C515	168-1045-06	0.1 μF	D511	001-4302-23	UDZTE-17 7.5B	Q512	100-1797-00	2SA1797
C516	168-1032-05	0.01 μF	D512	001-4302-32	UDZTE-17 18B	Q512	101-1123-00	2SB1123
C517	042-0595-65	16V47 μF	D512	001-0584-32	MA8180	Q512	100-1213-00	2SA1213
C518	042-0559-00	5.5V0.1 μF	D513	001-0528-57	MA8120-H	Q514	125-0020-91	UN5111
C519	168-1032-05	0.01 μF	D513	001-4300-57	HZU 12B3	Q514	125-0021-91	DTA114EU
C520	168-1032-05	0.01 μF	D517	001-0517-00	1SS355	Q515	102-2412-00	2SC2412
C521	042-0595-65	16V47 μF	D517	001-0516-00	MA111	Q515	102-2712-00	2SC2712
C522	168-1022-05	1000pF	D601	001-0541-00	MA157	Q515	103-0601-00	2SD601A Q,R,S
C523	168-1022-05	1000pF	D601	001-0367-00	1SS226	Q516	125-2020-03	DTC124EK
C524	168-1022-05	1000pF	D602	001-0541-00	MA157	Q516	125-2004-03	RN1403
C525	168-1022-05	1000pF	D602	001-0367-00	1SS226	Q517	125-0014-02	DTA114EK
C526	166-1011-00	100pF CH	D603	001-0541-00	MA157	Q517	125-0002-02	RN2402
C527	166-1011-00	100pF CH	D603	001-0367-00	1SS226	Q518	125-2004-01	RN1401
C601	042-0595-53	4V220 μF	D604	001-0541-00	MA157	Q518	125-2020-01	DTC143EK
C602	178-1055-79	1 μF	D604	001-0367-00	1SS226	Q522	125-0021-07	DTA113ZU
C603	042-0595-53	4V220 μF	D605	001-0367-00	1SS226	Q522	125-0020-07	UN5119
C604	178-1055-79	1 μF	D605	001-0541-00	MA157	Q601	125-2004-03	RN1403
C605	042-0595-53	4V220 μF	D606	001-0541-00	MA157	Q601	125-2020-03	DTC124EK
C606	178-1055-79	1 μF	D606	001-0367-00	1SS226	R501	119-1031-10	1/16W 10kΩ
C607	042-0595-53	4V220 μF	D607	001-0517-00	1SS355	R502	119-1231-10	1/16W 12kΩ
C608	178-1055-79	1 μF	D607	001-0516-00	MA111	R503	119-4721-10	1/16W 4.7kΩ
C609	178-1055-79	1 μF	IC501	051-1822-05	S-80732AN-DW-X	R504	119-4721-10	1/16W 4.7kΩ
C610	042-0472-00	10V47 μF	IC502	052-6043-00	M30624MG-D07GP	R505	119-4741-10	1/16W 470kΩ
C611	168-1045-06	0.1 μF	IC503	051-0869-55	NJM2103M	R506	119-4741-10	1/16W 470kΩ
C612	168-1045-06	0.1 μF	IC504	051-1014-05	TA7291F	R507	119-1021-10	1/16W 1kΩ
C613	166-1007-00	10pF CH	IC505	051-1527-05	TC4W53F	R508	119-1021-10	1/16W 1kΩ
C614	042-0472-00	10V47 μF	IC601	051-1478-05	TC74HC4053AF	R509	119-1011-10	1/16W 100Ω
C615	168-1032-05	0.01 μF	IC602	052-6044-01	MSM538002E-S8TS	R510	119-5621-10	1/16W 5.6kΩ
C616	166-1007-00	10pF CH			AKF9	R511	119-1021-10	1/16W 1kΩ
C617	168-1045-06	0.1 μF	IC603	051-1250-00	TC4S66F	R512	119-4721-10	1/16W 4.7kΩ
C618	168-1045-06	0.1 μF	IC603	051-1250-30	SC14S66F	R513	119-4731-10	1/16W 47kΩ
C619	168-1045-06	0.1 μF	IC606	051-1250-00	TC4S66F	R514	119-1021-10	1/16W 1kΩ
C620	168-1045-06	0.1 μF	IC606	051-1250-30	SC14S66F	R515	119-1021-10	1/16W 1kΩ
C621	178-1055-79	1 μF	IC607	051-1549-05	TC7W32F	R516	119-1031-10	1/16W 10kΩ
C622	168-1045-06	0.1 μF	IC608	051-5306-90	MM1117XF	R517	119-4721-10	1/16W 4.7kΩ
C623	166-4701-00	47pF CH	IC609	051-6412-00	MB90092PF-G-BND	R518	119-4721-10	1/16W 4.7kΩ
C624	166-4701-00	47pF CH	IC610	051-5306-90	MM1117XF	R519	119-1021-10	1/16W 1kΩ
C625	042-0595-66	25V4.7 μF	IC611	051-7229-08	TC7W74FU	R520	119-4731-10	1/16W 47kΩ
C626	168-1045-06	0.1 μF	IC612	051-1855-05	TC7W14F	R521	119-1011-10	1/16W 100Ω
C627	178-1055-79	1 μF	IC613	051-0616-35	MC14538BF	R522	119-4731-10	1/16W 47kΩ
C628	168-1032-05	0.01 μF	J501	074-1205-38	38P	R523	119-4731-10	1/16W 47kΩ
C629	168-1022-05	1000pF	L501	010-2199-62	1 μH	R524	119-1541-10	1/16W 150kΩ
C630	168-1022-05	1000pF	L601	010-2279-00	4.7 μH	R526	119-1241-10	1/16W 120kΩ
C631	178-1055-79	1 μF	L602	010-2279-00	4.7 μH	R527	119-1831-10	1/16W 18kΩ
C632	178-1055-79	1 μF	L603	010-2329-00	5.6 μH	R528	119-8221-10	1/16W 8.2kΩ
C633	168-1022-05	1000pF	P1	076-0621-14	PLUG-14P	R529	117-4321-10	1/10W 4.3kΩ
C634	168-1022-05	1000pF	P101	076-0621-19	PLUG-19P	R530	119-1031-10	1/16W 10kΩ
C635	168-1022-05	1000pF	P103	076-0621-17	PLUG-17P	R531	119-4711-10	1/16W 470Ω
C636	168-1022-05	1000pF	P601	076-0313-07	PLUG-7P	R532	119-4711-10	1/16W 470Ω
C637	168-3312-05	330pF	Q501	102-2712-00	2SC2712	R533	119-4731-10	1/16W 47kΩ
CCT502	050-0122-58	470Ω X4	Q501	102-2412-00	2SC2412	R535	119-2231-10	1/16W 22kΩ
CCT601	050-0122-64	330Ω X4	Q501	103-0601-00	2SD601A Q,R,S	R536	119-1021-10	1/16W 1kΩ
CCT602	050-0122-64	330Ω X4	Q502	102-2712-00	2SC2712	R537	119-2231-10	1/16W 22kΩ
CCT603	050-0122-01	47kΩ X4 J	Q502	102-2412-00	2SC2412	R540	119-4731-10	1/16W 47kΩ
CCT604	050-0122-01	47kΩ X4 J	Q502	103-0601-00	2SD601A Q,R,S	R541	119-3311-10	1/16W 330Ω
CCT605	050-0122-64	330Ω X4	Q503	125-2004-02	RN1402	R542	119-5621-10	1/16W 5.6kΩ
CCT606	050-0122-64	330Ω X4	Q503	125-2020-02	DTC114EK	R543	032-0104-03	1/4W 1kΩ

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R544	119-1031-10	1/16W 10kΩ	R610	119-5631-10	1/16W 56kΩ	R628	119-1011-10	1/16W 100Ω
R545	119-4721-10	1/16W 4.7kΩ	R611	119-1011-10	1/16W 100Ω	R629	119-2211-10	1/16W 220Ω
R546	119-4711-10	1/16W 470Ω	R612	119-1011-10	1/16W 100Ω	R630	119-1021-10	1/16W 1kΩ
R547	119-2231-10	1/16W 22kΩ	R613	119-1011-10	1/16W 100Ω	R631	119-2221-10	1/16W 2.2kΩ
R548	119-2231-10	1/16W 22kΩ	R614	119-4711-10	1/16W 470Ω	R632	111-7501-91	1/4WS 75Ω
R549	119-1041-10	1/16W 100kΩ	R615	119-1511-10	1/16W 150Ω	R633	119-2021-10	1/16W 2kΩ
R550	119-1021-10	1/16W 1kΩ	R616	119-3921-10	1/16W 3.9kΩ	R634	119-2021-10	1/16W 2kΩ
R551	119-4731-10	1/16W 47kΩ	R617	119-2211-10	1/16W 220Ω	R635	119-2021-10	1/16W 2kΩ
R553	119-4731-10	1/16W 47kΩ	R618	119-0000-00	1/16W 0Ω JW	R637	119-4741-10	1/16W 470kΩ
R601	111-7501-91	1/4WS 75Ω	R619	119-1031-10	1/16W 10kΩ	R638	119-4741-10	1/16W 470kΩ
R602	111-7501-91	1/4WS 75Ω	R620	119-5611-10	1/16W 560Ω	R639	119-4741-10	1/16W 470kΩ
R603	111-7501-91	1/4WS 75Ω	R621	119-4731-10	1/16W 47kΩ	R640	119-6821-15	1/16W 6.8kΩ
R604	111-7501-91	1/4WS 75Ω	R622	119-4731-10	1/16W 47kΩ	XC601	004-1583-12	20pF 8K
R605	119-1531-10	1/16W 15kΩ	R623	119-4731-10	1/16W 47kΩ	X501	060-1505-50	10MHz
R606	119-1531-10	1/16W 15kΩ	R624	111-7501-91	1/4WS 75Ω	X502	061-1056-00	32.768kHz
R607	119-1531-10	1/16W 15kΩ	R625	119-3311-10	1/16W 330Ω	X601	061-1086-50	14.31818MHz
R608	119-5631-10	1/16W 56kΩ	R626	119-1041-10	1/16W 100kΩ	X602	061-3042-00	17.734475MHz
R609	119-5631-10	1/16W 56kΩ	R627	119-4731-10	1/16W 47kΩ			

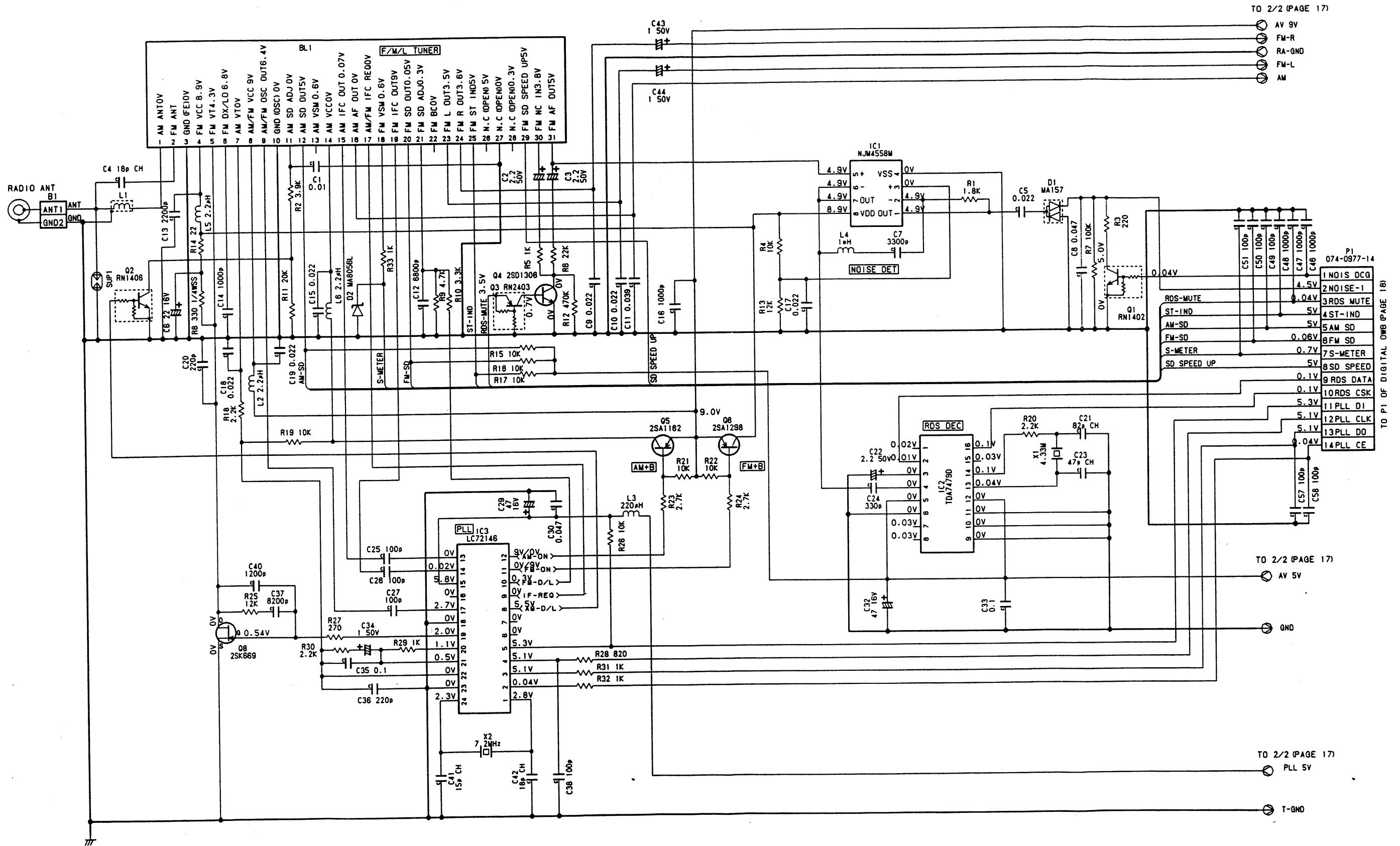
LCD PWB section(B3)

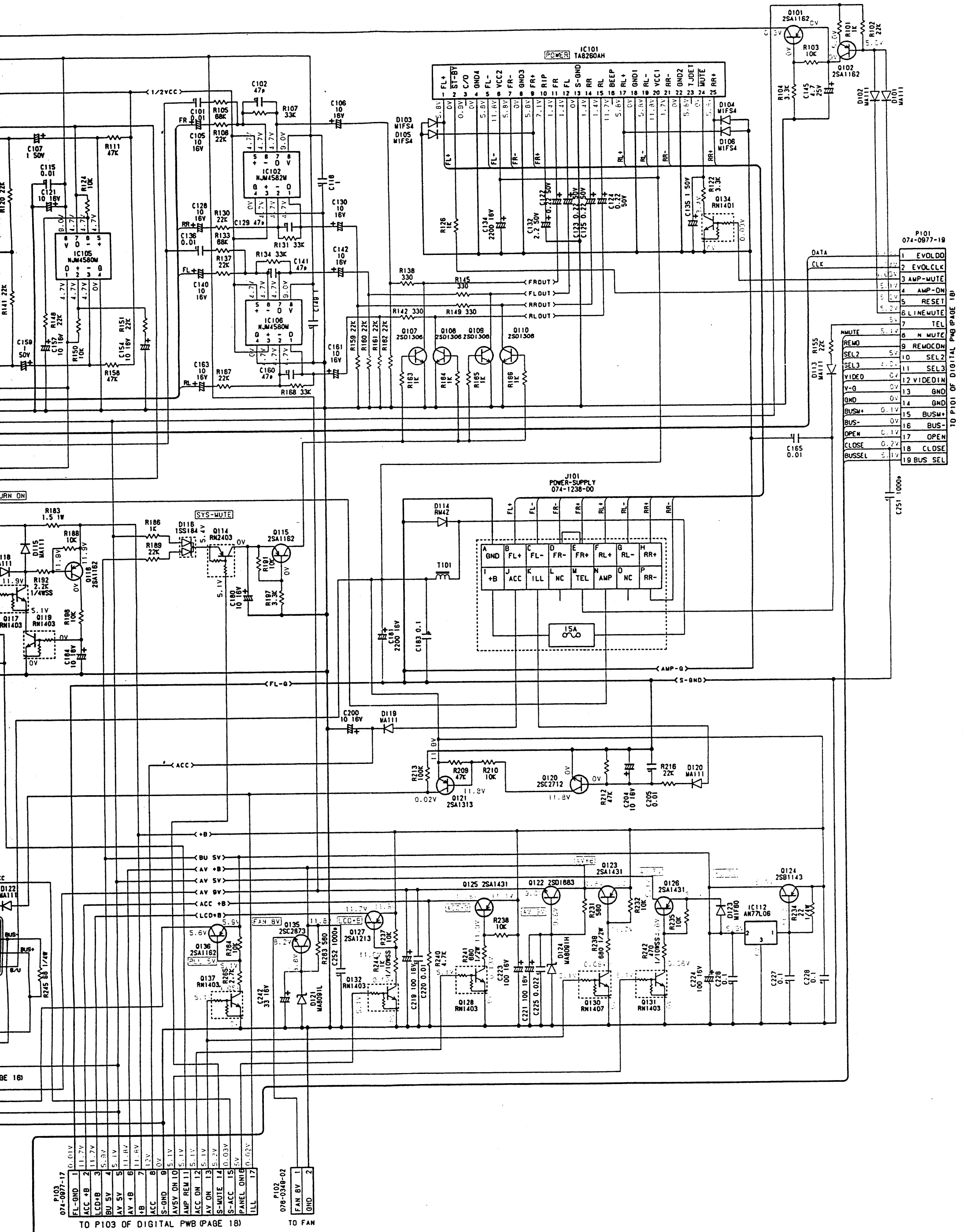
REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
C701	163-1063-50	35V10 μF	C756	166-5601-02	56pF	IC702	051-3903-00	NJM2368M
C702	168-1045-06	0.1 μF	C757	168-1032-05	0.01 μF	IC703	051-7202-05	TC7S32F
C703	166-1011-00	100pF CH	C758	168-1032-05	0.01 μF	IC704	051-1292-00	NJM4565M-D
C704	176-2221-00	2200pF CH	C759	168-4735-06	0.047 μF	IC705	051-0599-51	NJM2903M
C705	163-4753-50	35V4.7 μF	C760	168-1032-05	0.01 μF	IC706	051-3601-91	TL494CNS
C706	176-1021-00	1000pF CH	C761	168-1032-05	0.01 μF	IC707	051-5313-10	IR3Y298M
C707	166-1011-00	100pF CH	C762	168-1032-05	0.01 μF	IC708	051-1250-00	TC4S66F
C708	168-1022-05	1000pF	C763	178-1055-79	1 μF	IC709	051-1250-00	TC4S66F
C709	042-0595-65	16V47 μF	C764	166-8201-50	82pF	IC710	051-7232-08	74VHC4066M
C710	042-0528-00	35V15 μF	C765	168-1032-05	0.01 μF	IC711	051-1250-00	TC4S66F
C711	163-2273-25	10V 220 μF	C766	178-1055-79	1 μF	IR901	060-4005-02	GP1U261X
C712	042-0528-00	35V15 μF	C767	168-1032-05	0.01 μF	J701	074-1189-85	35P
C713	042-0595-65	16V47 μF	C768	168-1032-05	0.01 μF	J702	076-0624-30	30P
C714	042-0528-00	35V15 μF	C769	178-1055-79	1 μF	J703	074-1136-00	15P
C715	168-1045-06	0.1 μF	C770	178-1055-79	1 μF	J704	074-1199-74	24P
C716	042-0452-00	6.3V330 μF	C771	178-1055-79	1 μF	J901	074-1242-30	30P
C717	163-3363-40	25V33 μF	C772	042-0595-65	16V47 μF	L701	010-3010-50	100 μH
C718	168-1045-06	0.1 μF	C774	178-1055-79	1 μF	L702	010-2174-24	100 μH
C719	042-0595-62	16V10 μF	C775	042-0595-77	50V0.47 μF	L703	010-3010-50	100 μH
C720	168-1045-06	0.1 μF	C776	168-1032-05	0.01 μF	L704	010-2174-24	100 μH
C721	168-1045-06	0.1 μF	C777	166-8097-00	8pF CH	L705	010-2199-30	33 μH J
C722	042-0595-62	16V10 μF	C778	166-8097-00	8pF CH	L706	010-3014-62	100 μH
C723	168-1045-06	0.1 μF	C779	168-1045-06	0.1 μF	L707	010-3014-62	100 μH
C724	178-1055-79	1 μF	C780	178-1055-79	1 μF	L708	010-2199-83	56 μH J
C725	178-3332-78	0.033 μF	C781	042-0595-81	50V3.3 μF	L709	010-4013-00	23.9 μH
C726	168-1022-05	1000pF	C782	168-1032-05	0.01 μF	L710	010-2199-30	33 μH J
C728	042-0595-62	16V10 μF	C783	178-2232-05	0.022 μF	P701	076-0529-02	2P
C729	163-1073-31	16V100 μF	C784	043-0499-02	0.082 μF	Q701	100-1213-00	2SA1213
C730	168-1032-05	0.01 μF	C785	178-1055-79	1 μF	Q702	125-2004-02	RN1402
C731	176-1521-00	1500pF CH	C901	178-1055-79	1 μF	Q703	125-2036-00	FB1J3P
C732	178-1055-79	1 μF	D701	001-2606-90	M1FS4	Q704	102-2873-00	2SC2873
C733	042-0595-81	50V3.3 μF	D702	001-2606-90	M1FS4	Q705	100-1738-00	2SA1738
C734	042-0452-00	6.3V330 μF	D703	001-0516-00	MA111	Q706	125-0002-03	RN2403
C735	178-2242-78	0.22 μF	D704	001-0516-00	MA111	Q707	125-2004-02	RN1402
C736	168-2232-05	0.022 μF	D706	001-2606-90	M1FS4	Q708	125-2004-02	RN1402
C737	168-2222-05	2200pF	D707	001-0528-46	MA8091-L	Q709	125-2004-02	RN1402
C738	042-0595-62	16V10 μF	D708	001-0516-00	MA111	Q710	125-2004-03	RN1403
C740	166-5601-00	56pF CH	D709	001-0506-00	DAN202K	Q711	125-2004-02	RN1402
C741	168-2222-05	2200pF	D710	001-0506-00	DAN202K	Q712	102-3326-00	2SC3326
C742	168-1045-06	0.1 μF	D711	001-0516-00	MA111	Q713	197-0528-00	2SJ528(S)-TL
C743	168-1032-05	0.01 μF	D712	001-0516-00	MA111	Q714	102-2712-10	2SC2712
C744	168-1032-05	0.01 μF	D713	001-0516-00	MA111	Q715	125-2004-02	RN1402
C745	178-4742-78	0.47 μF	D714	001-0516-00	MA111	Q716	125-2004-02	RN1402
C746	178-4742-78	0.47 μF	D715	001-0516-00	MA111	Q717	102-2873-00	2SC2873
C747	178-4742-78	0.47 μF	D716	001-0516-00	MA111	Q718	102-2873-00	2SC2873
C748	168-1032-05	0.01 μF	D717	001-0516-00	MA111	Q719	100-1738-00	2SA1738
C749	042-0595-79	50V1 μF	D718	001-0516-00	MA111	Q720	125-2004-02	RN1402
C750	166-1201-00	120pF CH	D719	001-0516-00	MA111	Q721	125-2004-03	RN1403
C751	168-8212-05	820pF	D720	001-0516-00	MA111	Q722	125-2004-03	RN1403
C752	166-2201-00	22pF CH	D901	001-7011-02	CL-150YG-CD	Q723	125-0014-02	DTA114EK
C753	043-0499-02	0.082 μF	D902	001-7011-02	CL-150YG-CD	Q726	102-2712-00	2SC2712
C754	168-6812-05	680pF	F701	060-8023-52	0.75A	R701	032-0104-03	1/4W 1kΩ
C755	042-0397-00	16V1 μF TAN	IC701	051-7214-38	IMC74HC595AF	R702	119-2221-10	1/16W 2.2kΩ

REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION	REF No.	PART No.	DESCRIPTION
R703	119-1001-10	1/16W 10Ω	R750	119-2021-10	1/16W 2kΩ	R798	119-6811-10	1/16W 680Ω
R704	119-6841-10	1/16W 680kΩ	R751	119-1521-10	1/16W 1.5kΩ	R799	119-1011-10	1/16W 100Ω
R705	119-3931-10	1/16W 39kΩ	R752	119-2221-10	1/16W 2.2kΩ	R800	119-5621-10	1/16W 5.6kΩ
R706	119-6841-10	1/16W 680kΩ	R753	119-1041-10	1/16W 100kΩ	R801	119-8221-10	1/16W 8.2kΩ
R707	119-2231-10	1/16W 22kΩ	R755	119-4791-15	1/16W 4.7Ω J	R802	119-1521-10	1/16W 1.5kΩ
R708	119-1841-10	1/16W 180kΩ	R756	119-2431-10	1/16W 24kΩ	R803	119-4741-10	1/16W 470kΩ
R709	119-3311-10	1/16W 330Ω	R757	119-4711-10	1/16W 470Ω	R804	119-4741-10	1/16W 470kΩ
R710	119-1031-10	1/16W 10kΩ	R758	119-4711-10	1/16W 470Ω	R805	119-4741-10	1/16W 470kΩ
R711	119-2231-10	1/16W 22kΩ	R759	119-4711-10	1/16W 470Ω	R806	119-4741-10	1/16W 470kΩ
R712	119-2211-10	1/16W 220Ω	R760	119-4711-10	1/16W 470Ω	R807	119-4741-10	1/16W 470kΩ
R713	119-4731-10	1/16W 47kΩ	R761	119-3341-10	1/16W 330kΩ	R808	119-6831-10	1/16W 68kΩ
R714	119-4711-10	1/16W 470Ω	R762	119-2231-10	1/16W 22kΩ	R809	119-2221-10	1/16W 2.2kΩ
R715	119-1031-10	1/16W 10kΩ	R763	119-2231-10	1/16W 22kΩ	R810	119-1031-10	1/16W 10kΩ
R716	119-1031-10	1/16W 10kΩ	R764	119-2231-10	1/16W 22kΩ	R811	117-2221-10	1/10W 220Ω
R717	119-4701-10	1/16W 47Ω	R765	119-2731-10	1/16W 27kΩ	R812	119-1021-10	1/16W 1kΩ
R718	119-1031-10	1/16W 10kΩ	R766	032-0098-03	1/10W 18kΩ ±2%	R813	032-0092-43	1/10W 3.0kΩ ±1%
R719	119-1531-10	1/16W 15kΩ	R767	119-5631-10	1/16W 56kΩ	R814	032-0092-43	1/10W 3.0kΩ ±1%
R720	119-1031-10	1/16W 10kΩ	R768	119-3931-10	1/16W 39kΩ	R815	119-1011-10	1/16W 100Ω
R721	119-2221-10	1/16W 2.2kΩ	R769	119-5611-10	1/16W 560Ω	R816	119-1011-10	1/16W 100Ω
R722	119-4721-10	1/16W 4.7kΩ	R770	119-1021-10	1/16W 1kΩ	R817	119-1011-10	1/16W 100Ω
R723	119-2731-10	1/16W 27kΩ	R771	117-3351-15	1/10W 3.3MΩ	R818	119-1011-10	1/16W 100Ω
R724	119-2231-10	1/16W 22kΩ	R772	119-1011-10	1/16W 100Ω	R819	119-2711-10	1/16W 270Ω
R725	119-2231-10	1/16W 22kΩ	R773	119-1011-10	1/16W 100Ω	R820	119-2711-10	1/16W 270Ω
R726	119-1041-10	1/16W 100kΩ	R774	119-1011-10	1/16W 100Ω	R903	119-2711-10	1/16W 270Ω
R727	119-4731-10	1/16W 47kΩ	R775	032-0104-03	1/4W 1kΩ	R904	119-2711-10	1/16W 270Ω
R728	119-2231-10	1/16W 22kΩ	R776	119-3931-10	1/16W 39kΩ	S701	013-6100-00	SKHLLB
R729	119-2231-10	1/16W 22kΩ	R777	119-2231-10	1/16W 22kΩ	S702	013-7205-00	SPVE1-3
R730	119-4731-10	1/16W 47kΩ	R778	032-0104-03	1/4W 1kΩ	S902	013-6504-51	LS9J2M-1YG-TX
R731	119-1021-10	1/16W 1kΩ	R779	119-3931-10	1/16W 39kΩ	S903	013-6504-51	LS9J2M-1YG-TX
R732	119-3301-10	1/16W 33Ω	R780	119-2231-10	1/16W 22kΩ	S904	013-6504-51	LS9J2M-1YG-TX
R733	119-3321-10	1/16W 3.3kΩ	R781	119-6821-15	1/16W 6.8kΩ	S905	013-6504-51	LS9J2M-1YG-TX
R734	119-1021-10	1/16W 1kΩ	R782	119-4731-10	1/16W 47kΩ	S906	013-9907-00	RKJXM1012
R735	119-1031-10	1/16W 10kΩ	R783	119-2231-10	1/16W 22kΩ	T701	007-1151-90	OUTPUT TRANS
R736	119-472							

CIRCUIT DIAGRAM

Main PWB section(B1) 1/2
(Radio/RDS block)





P103
074-0877-17

FL-GND	1	0.01V
ACC +B	2	11.7V
LCD+B	3	11.7V
BU 5V	4	5.0V
AV 5V	5	5.1V
AV +B	6	11.8V
+B	7	11.8V
S-GND	8	0V
AVSV ON 10	9	5.1V
AMP REM 11	10	5.1V
ACC ON 12	11	5.1V
AV ON 13	12	5.2V
S-MUTE 14	13	0.03V
S-ACC 15	14	0.02V
PANEL ON 16	15	5V
ILL	17	

TO P103 OF DIGITAL PWB (PAGE 18)

P102
076-0348-02

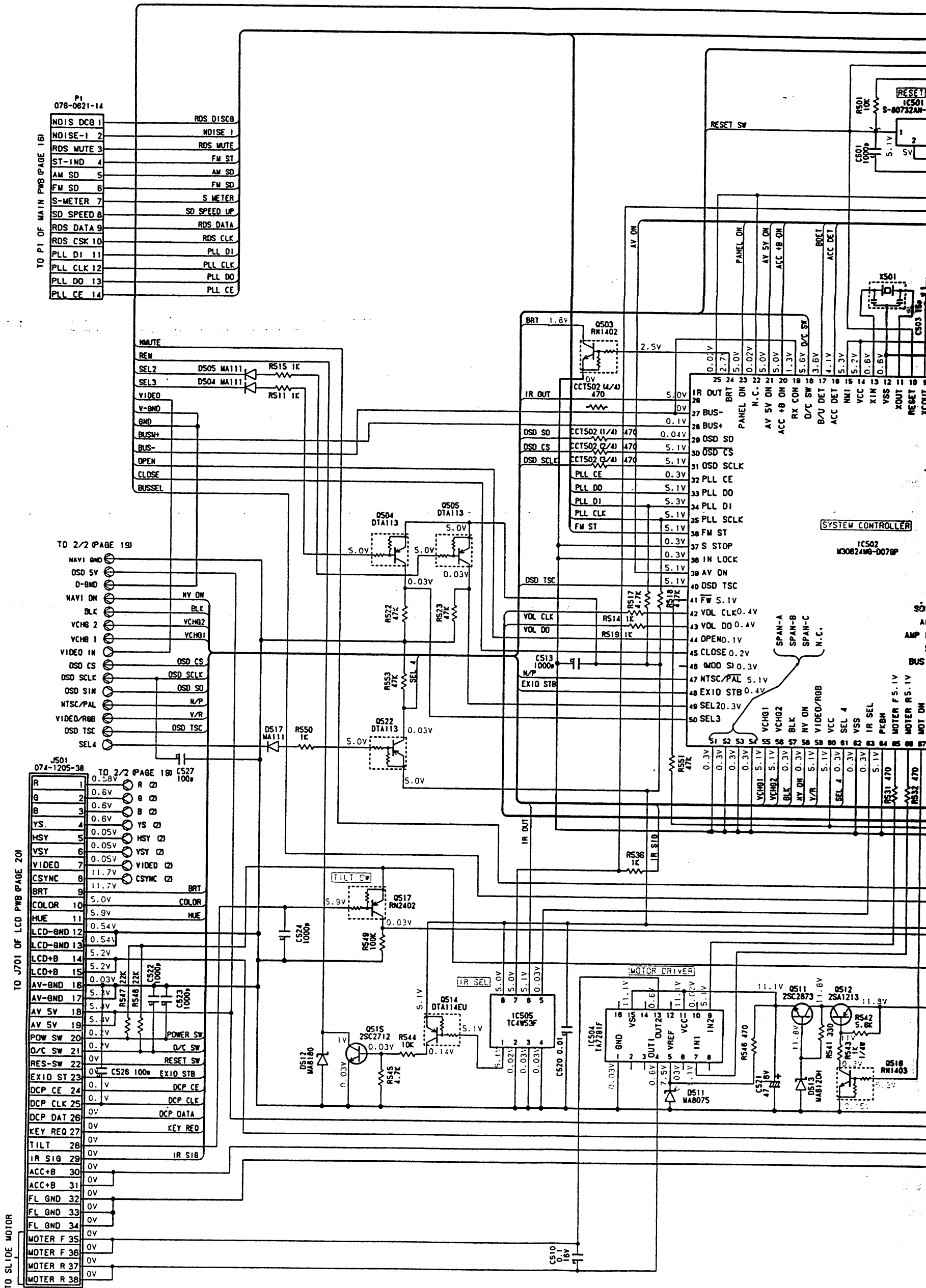
FAN BV	1	
GND	2	

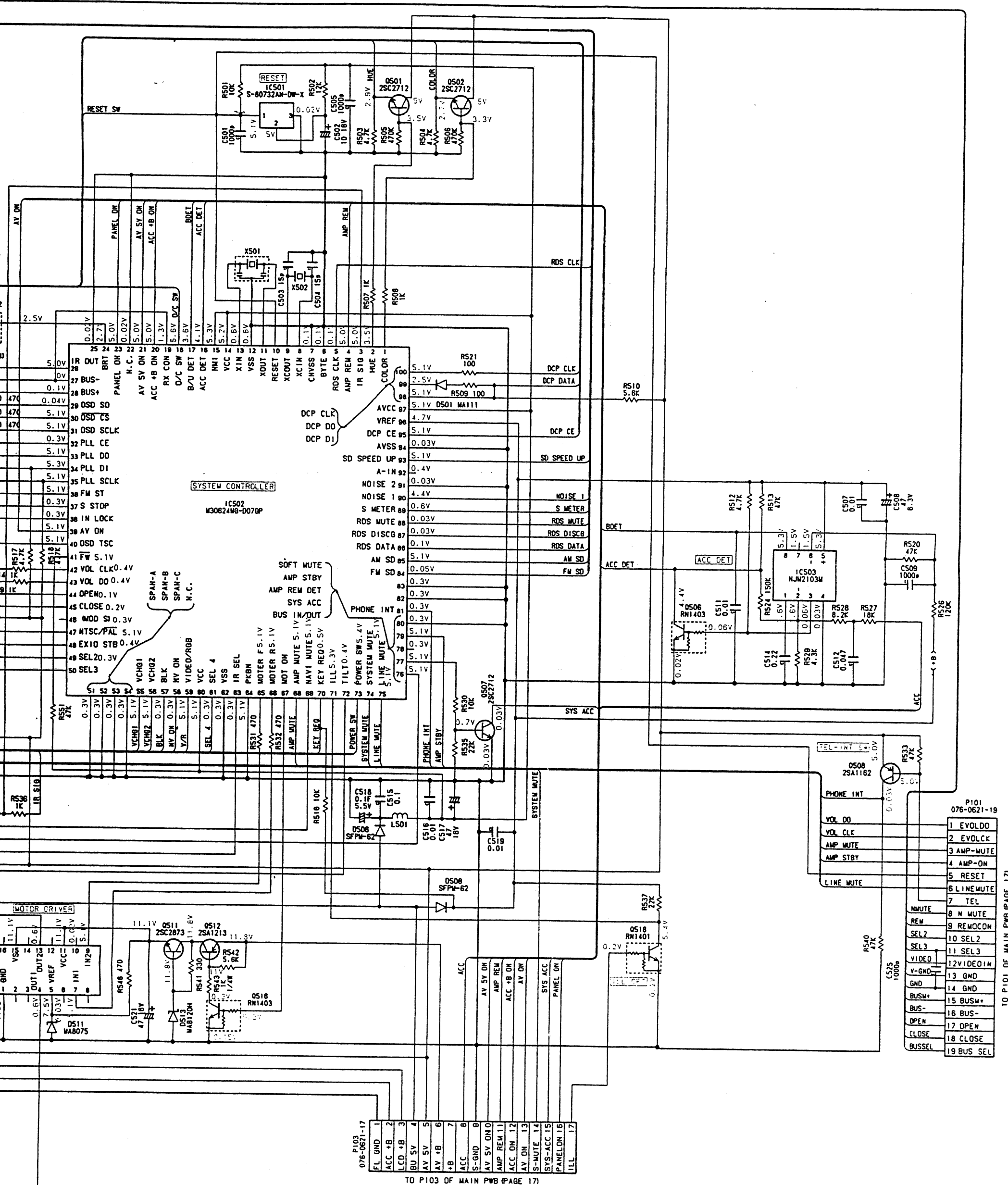
TO FAN

P101
074-0977-19

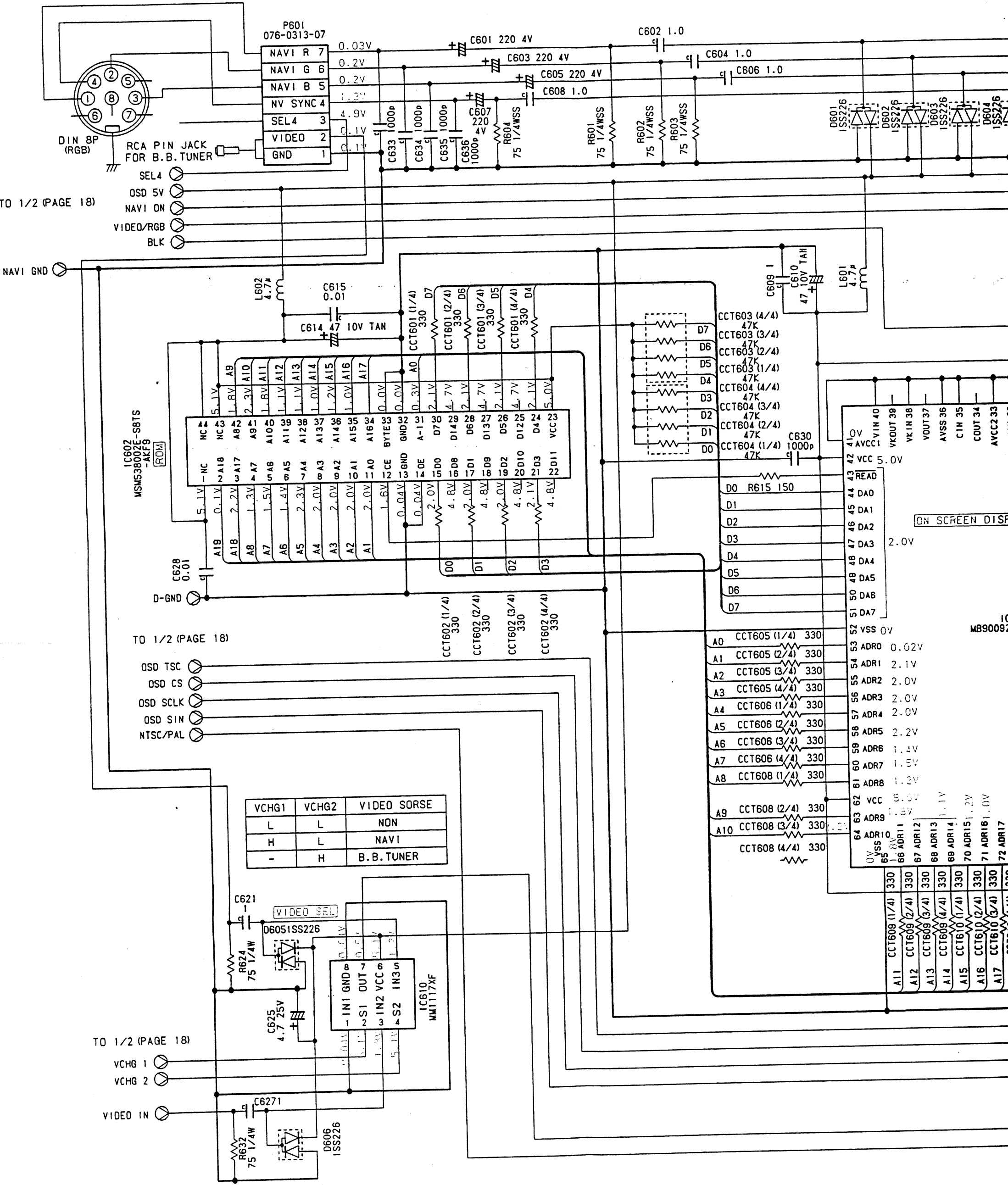
1	EVOLDD	5.1V
2	EVOLCLK	5.1V
3	AMP-MUTE	5.1V
4	RESE1	5.1V
5	RESE2	5.1V
6	LINE MUTE	5.1V
7	TEL	5.1V
8	N MUTE	5.1V
9	REMOCDN	5.1V
10	SEL2	5.1V
11	SEL3	5.1V
12	VIDEDIN	5.1V
13	GND	0V
14	BUSM+	0.1V
15	BUSM-	0.1V
16	BUS-	0.1V
17	OPEN	0.1V
18	CLOSE	0.2V
19	BUS SEL	5.1V

TO P101 OF DIGITAL PWB (PAGE 18)





Digital PWB section(B2) 2/2
(OSD block)



TO 1/2 (PAGE 18)

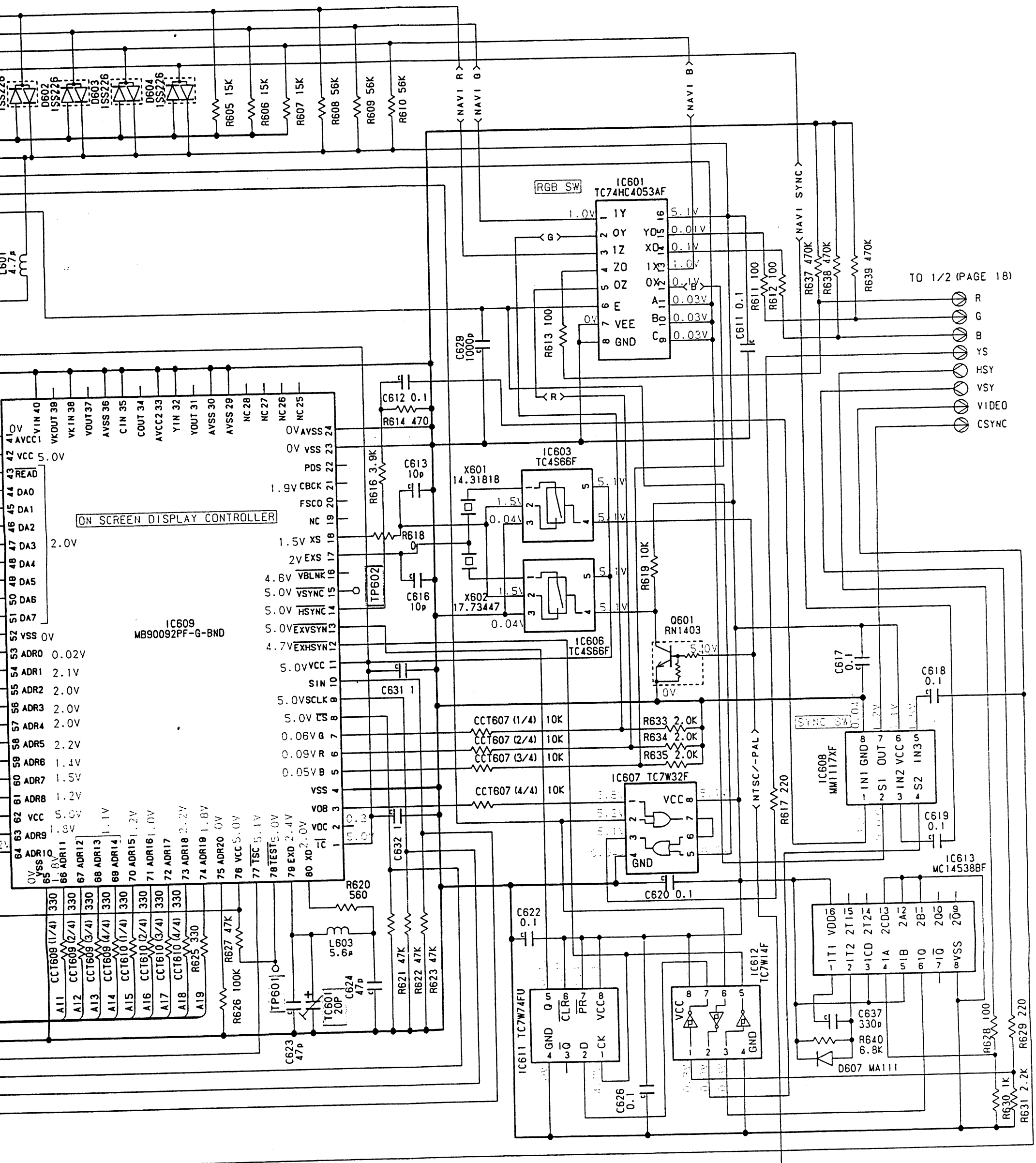
TO 1/2 (PAGE 18)

TO 1/2 (PAGE 18)

VCHG1	VCHG2	VIDEO SORSE
L	L	NON
H	L	NAVI
-	H	B.B. TUNER

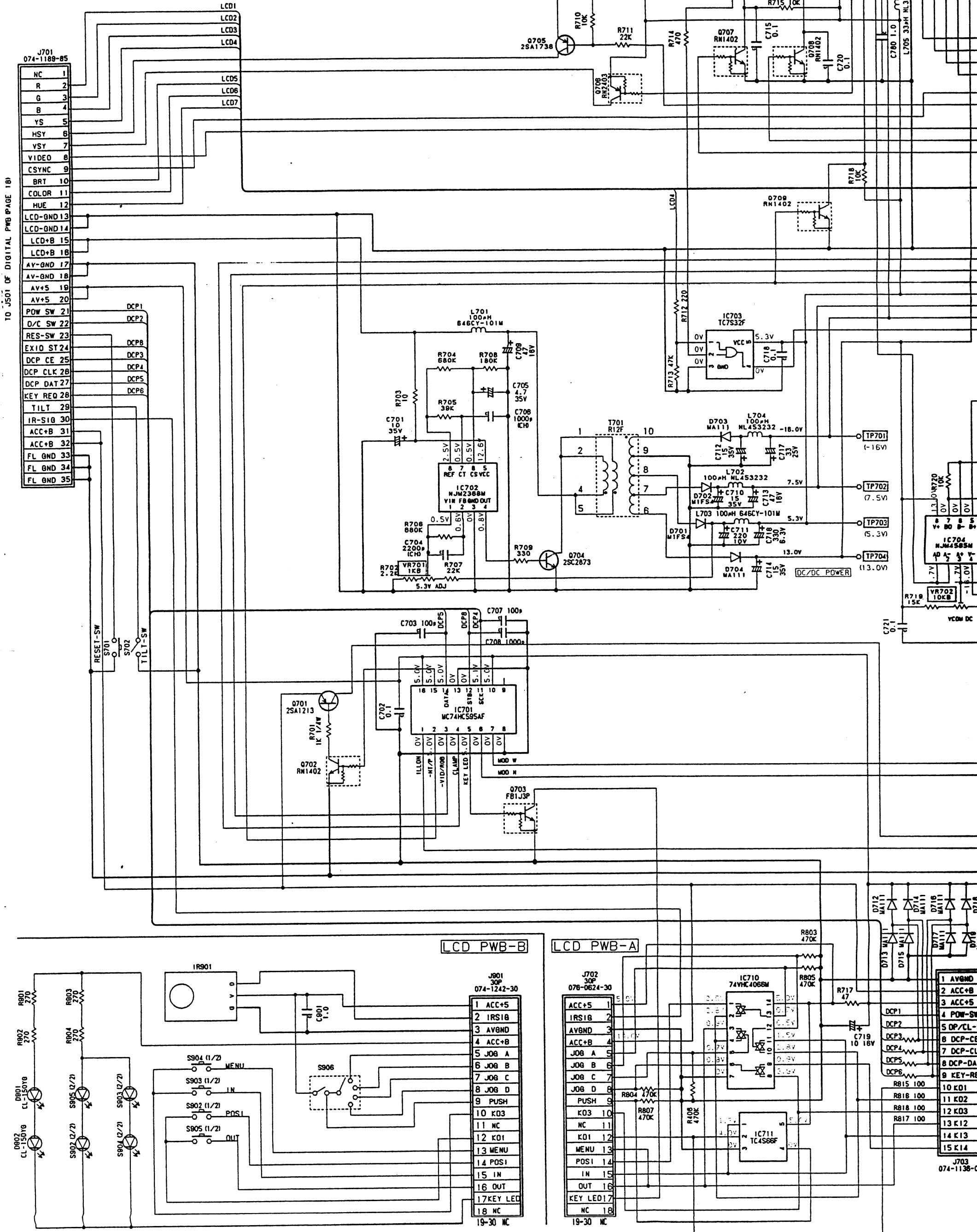
ON SCREEN DISP

IC MB90092



TO 1/2 (PAGE 18)

LCD PWB section(B3)
(LCD block)



TO J501 OF DIGITAL PWB PAGE 181

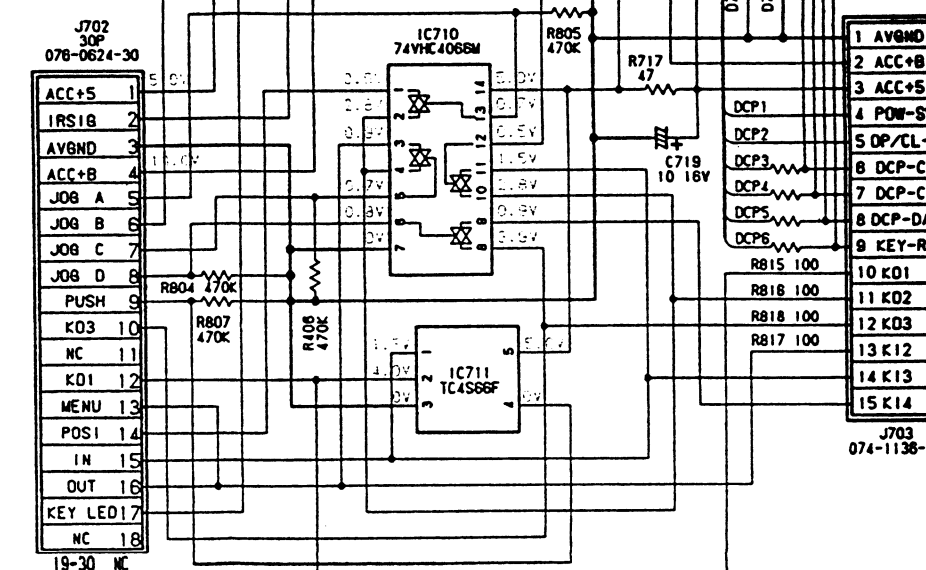
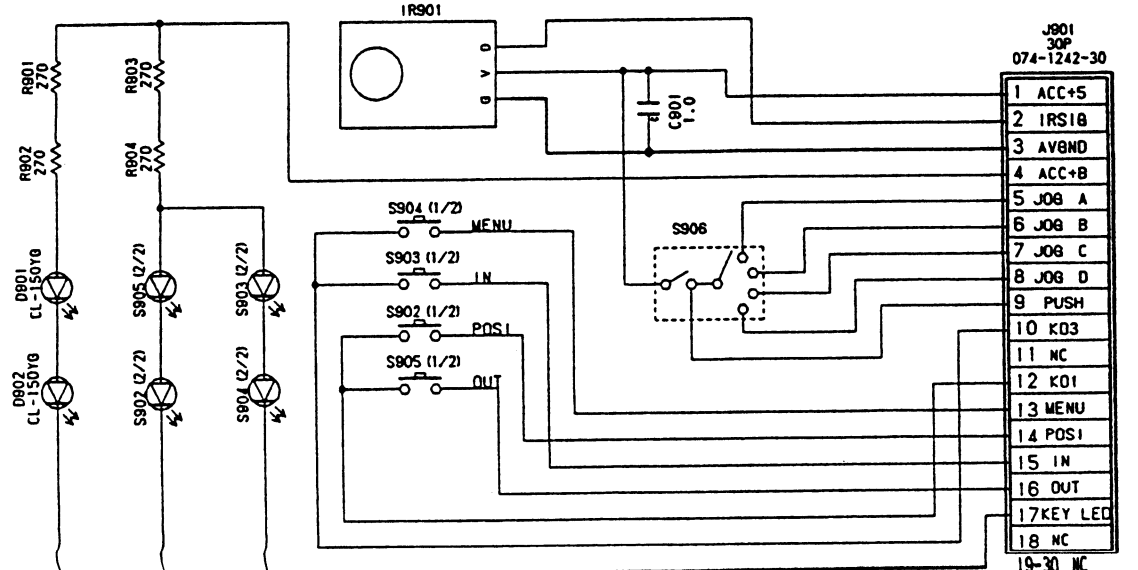
TO 6.5" INDICATOR

J701
074-1189-85

NC	1
R	2
G	3
B	4
YS	5
HSY	6
VSX	7
VIDEO	8
CSYNC	9
BRT	10
COLOR	11
HUE	12
LCD-GND13	LCD7
LCD-GND14	LCD6
LCD+B 15	LCD5
LCD+B 16	LCD4
AV-GND 17	LCD3
AV-GND 18	LCD2
AV+5 19	LCD1
AV+5 20	
POW SW 21	DCP1
D/C SW 22	DCP2
RES-SW 23	DCP8
EXID ST 24	DCP3
DCP CE 25	DCP4
DCP CLK 26	DCP5
DCP DAT 27	DCP6
KEY REQ 28	
TILT 29	
IR-SIG 30	
ACC+B 31	
ACC+B 32	
FL GND 33	
FL GND 34	
FL GND 35	

LCD PWB-B

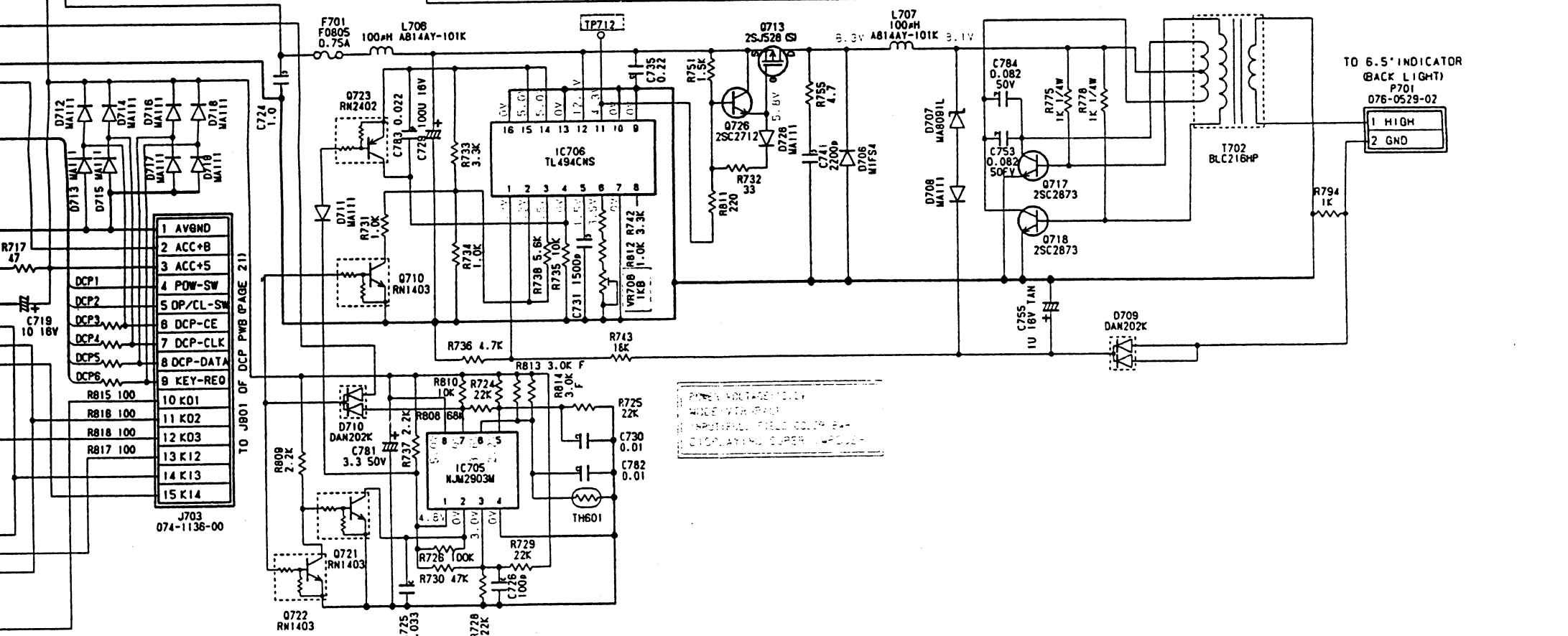
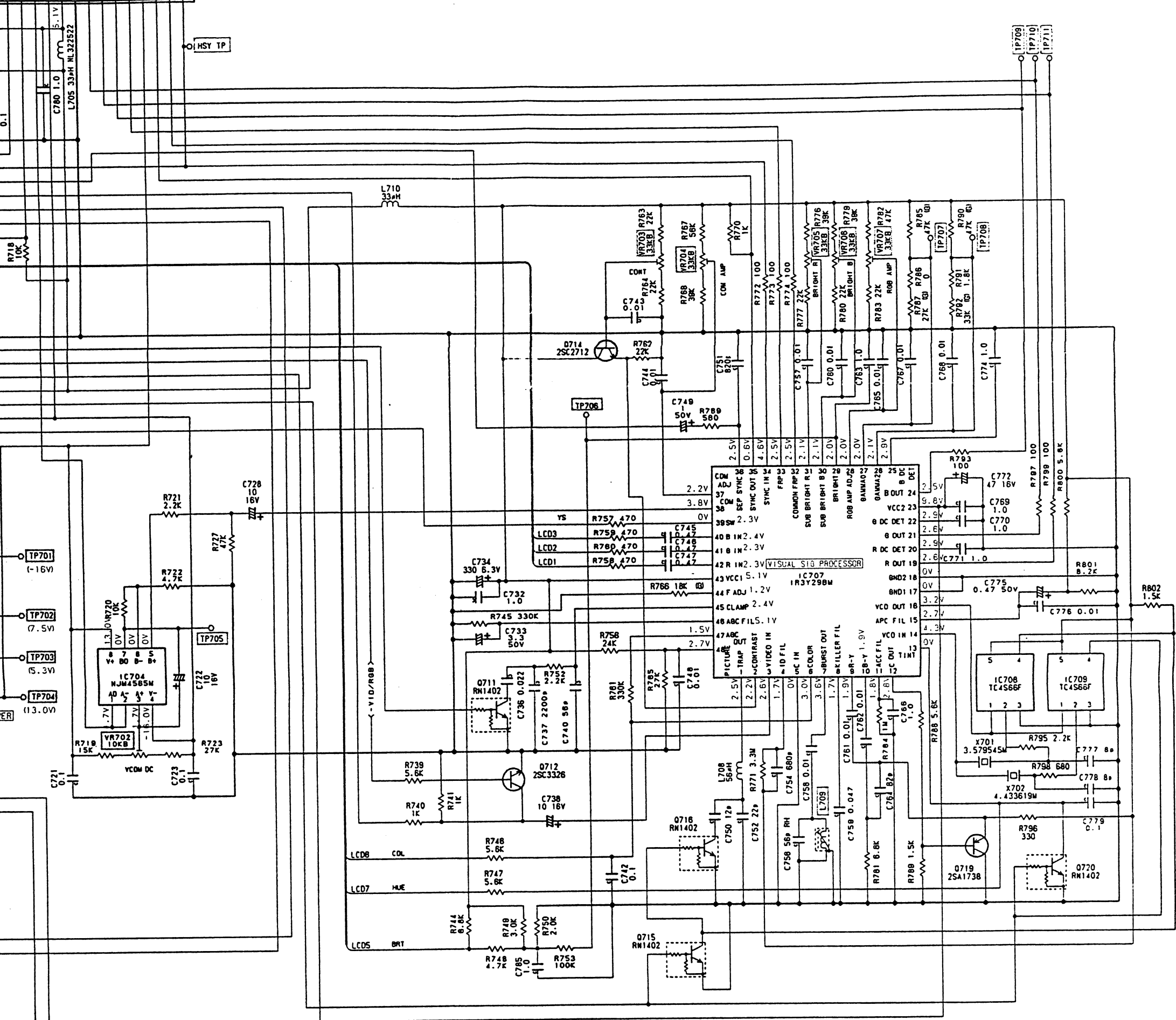
LCD PWB-A



1	AVGND
2	ACC+B
3	ACC+S
4	POW-SW
5	OP/CL-S
6	DCP-CE
7	DCP-CL
8	DCP-DAT
9	KEY-RE
10	K01
11	K02
12	K03
13	K12
14	K13
15	K14

J703
074-1136-0

14. VSY
13. NTP
12. COM
11. VBL
10. VSH
9. GND
8. VB
7. VR
6. VB
5. FRPY
4. VGH
3. SYN
2. FRPT
1. HSY

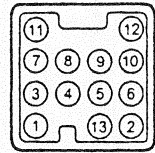
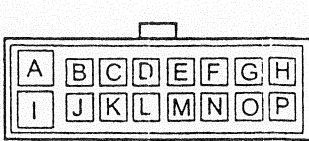
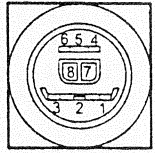


When a video composit source is used, connect it to the 8-pin Mini-DIN video jack. When a RGB source is used, connect it to the 8-pin DIN RGB jack.
In case a CLARION navigation system is used, connect it to both input.

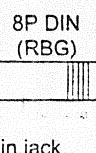
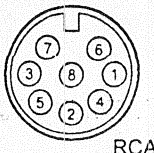
No.	DESCRIPTION	No.	DESCRIPTION
A	GND (BLK)	I	BACK UP (YEL)
B	FRONT L-CH(+) (WHT)	J	ACC (RED)
C	FRONT L-CH(-) (WHT/BLK)	K	ILLUMI (ORG/WHT)
D	FRONT R-CH(-) (GRY/BLK)	L	NC
E	FRONT R-CH(+) (GRY)	M	PHONE INT (BRN)
F	REAR L-CH(+) (GRN)	N	REMOTE (BLU/WHT)
G	REAR L-CH(-) (GRN/BLK)	O	NC
H	REAR R-CH(+) (PUR)	P	REAR R-CH(-) (PUR/BLK)

No.	DESCRIPTION
1	GND
2	BACK UP
3	BUS L-CH(+)
4	NC
5	NC
6	BUS(+)
7	BUS R-CH(+)
8	BUS R-CH(-)
9	SYS-ACC
10	BUS(-)
11	BUS L-CH(-)
12	ILLUMI
13	N.C

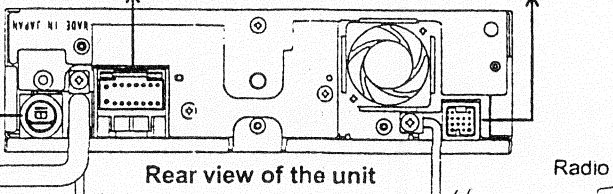
No.	DESCRIPTION	No.	DESCRIPTION
1	SEL 3	5	AUDIO R-IN
2	SEL 2	6	AUDIO L-IN
3	REMOCON	7	GND
4	VIDEO-IN	8	S-GND



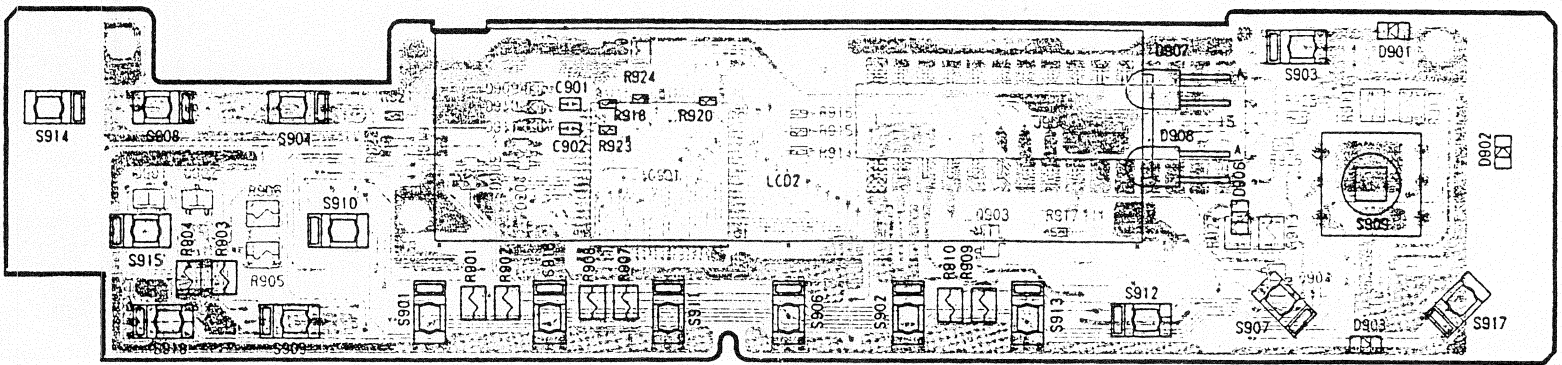
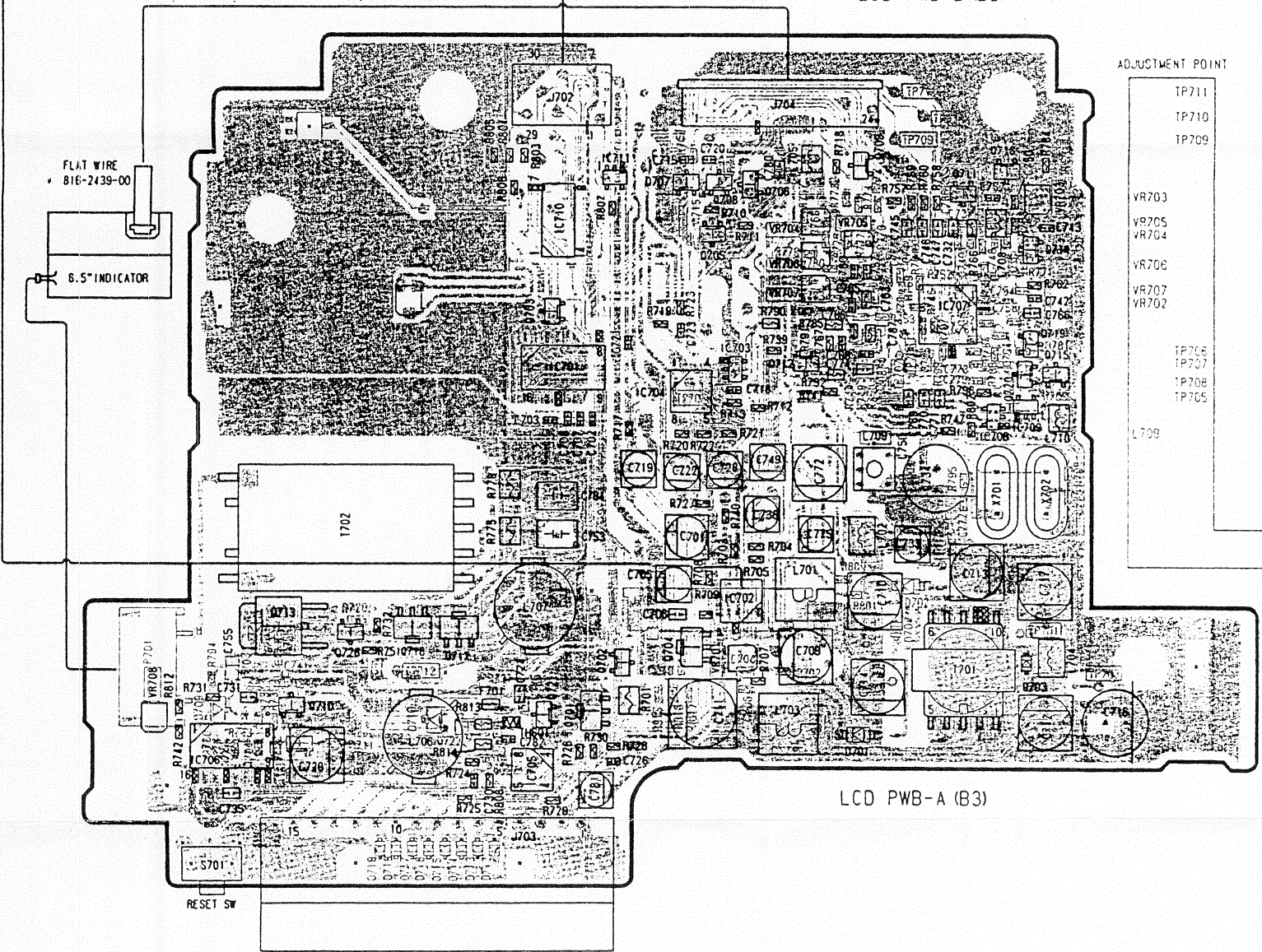
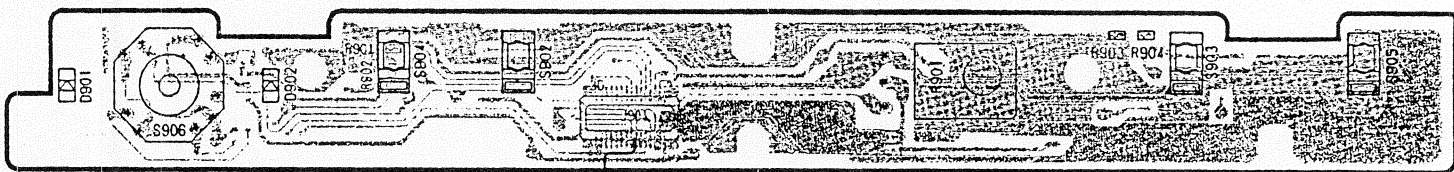
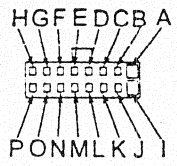
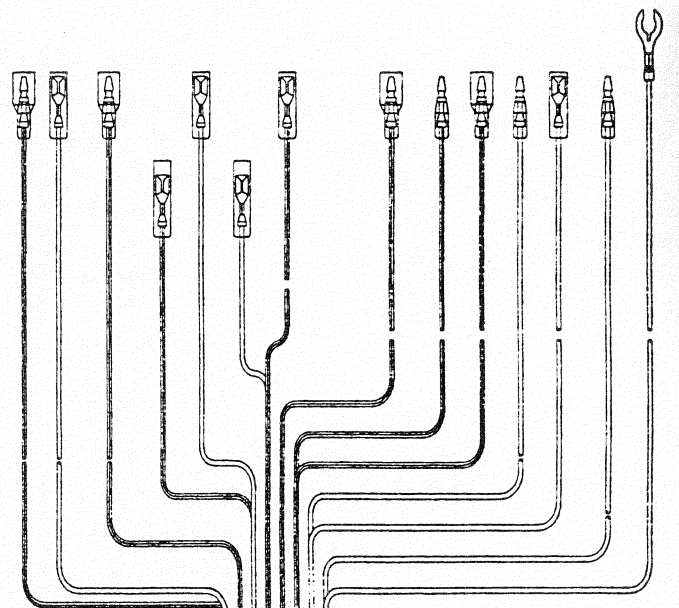
No.	DESCRIPTION	No.	DESCRIPTION
1	NAVI-R	5	NC
2	NAVI-G	6	NC
3	NAVI-B	7	NC
4	NAVI-SYNC	8	SEL 4



8P Mini DIN(J103) (VIDEO) Power supply connector(J101) Ce-NET 13P DIN(J102)



Power supply lead 854-6357-00



ADJUSTMENT POINT

- TP711
- TP710
- TP709
- VR703
- VR705
- VR704
- VR706
- VR707
- VR702
- TP766
- TP707
- TP708
- TP705
- L709

- IC10
- 709
- 716
- 711
- 707
- 708 706
- 710
- 714
- 705
- 703
- 719
- 703
- 715
- 701
- 712
- 704
- 720
- 709
- 708
- 702
- 713
- 726 718
- 702 717 704
- 721
- 710
- 701
- 723
- 722
- 706
- 705
- 901
- 902
- 901
- 903
- 904

THIS MARK MEANS EARTH LINE.

DCP PWB (B4)

VRX6570Rz