# **XR-5W497RB**

## **SERVICE MANUAL**

AEP Model



Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.

"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

#### **Notes on Chip Component Replacement**

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

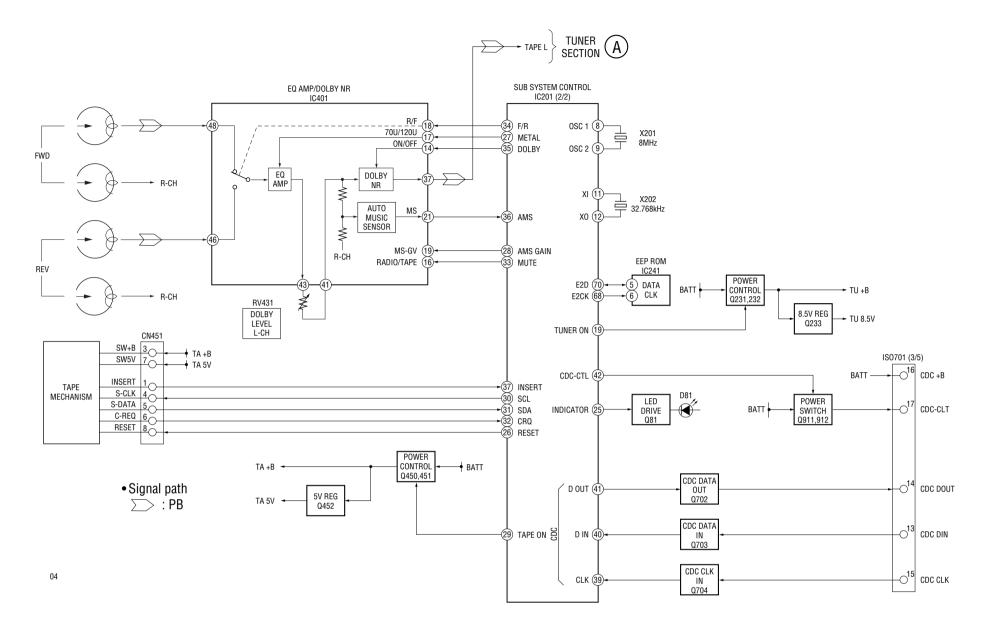
FM/AM CASSETTE CAR STEREO



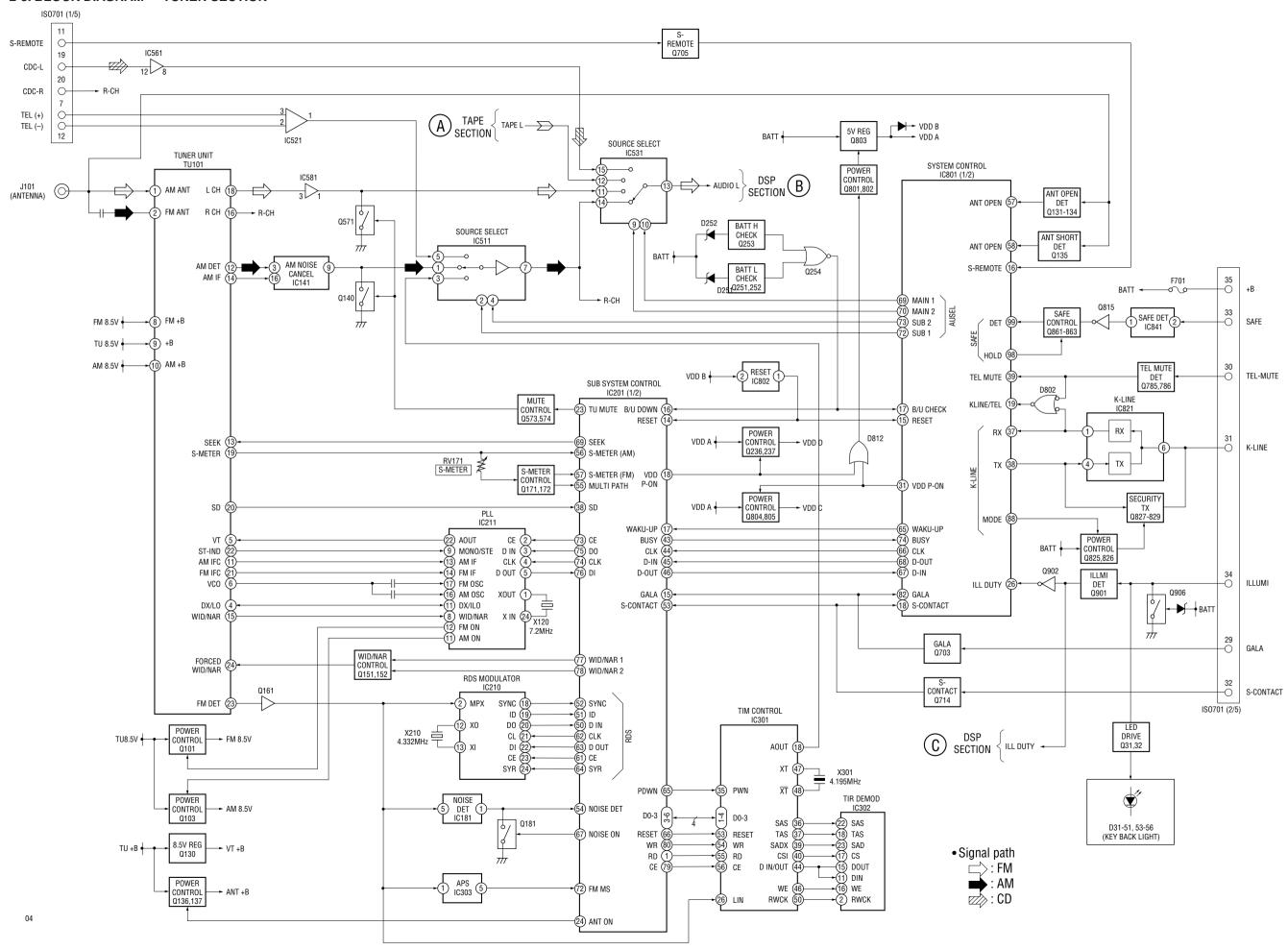




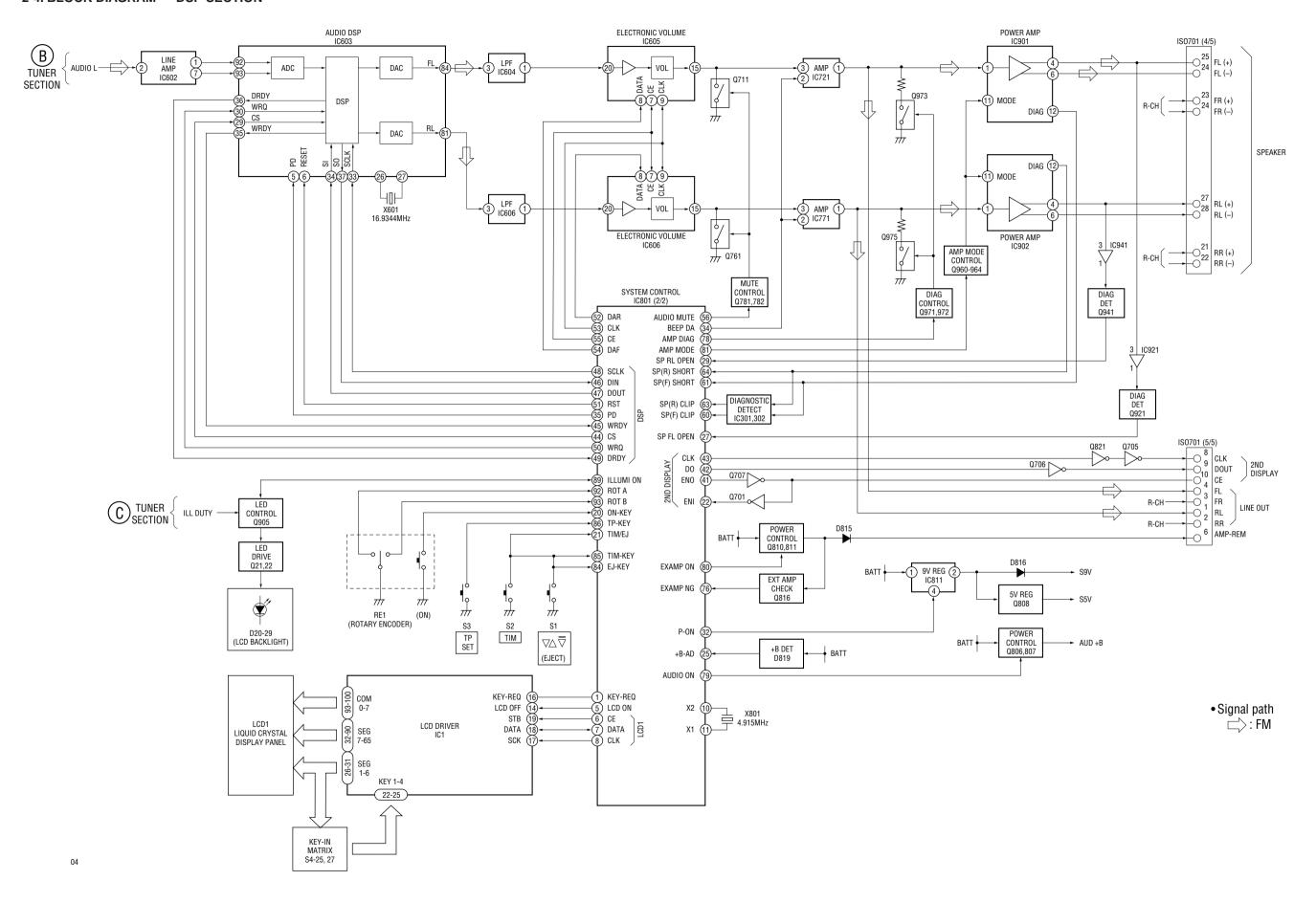
#### 3-2. BLOCK DIAGRAM — TAPE SECTION —



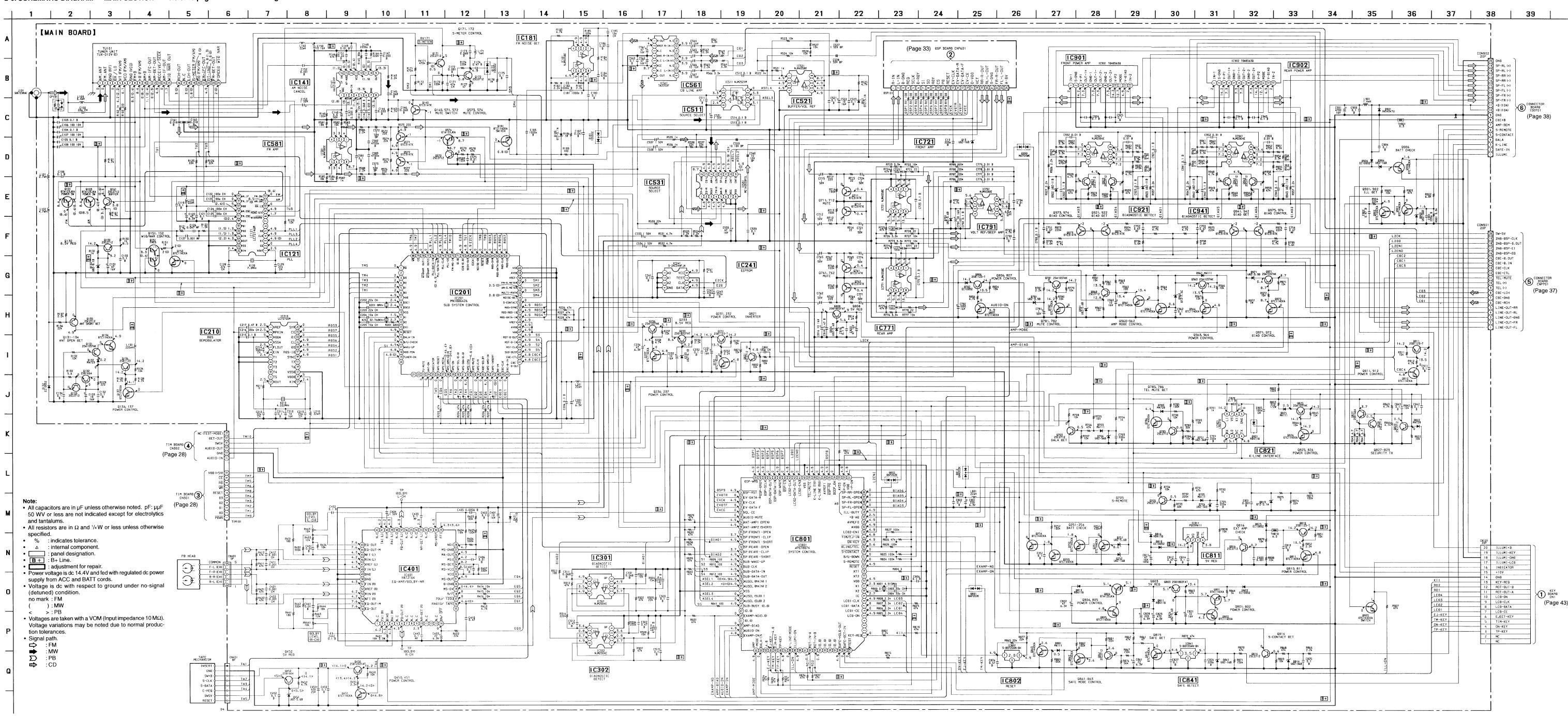
#### 2-3. BLOCK DIAGRAM — TUNER SECTION —



#### 2-4. BLOCK DIAGRAM — DSP SECTION —



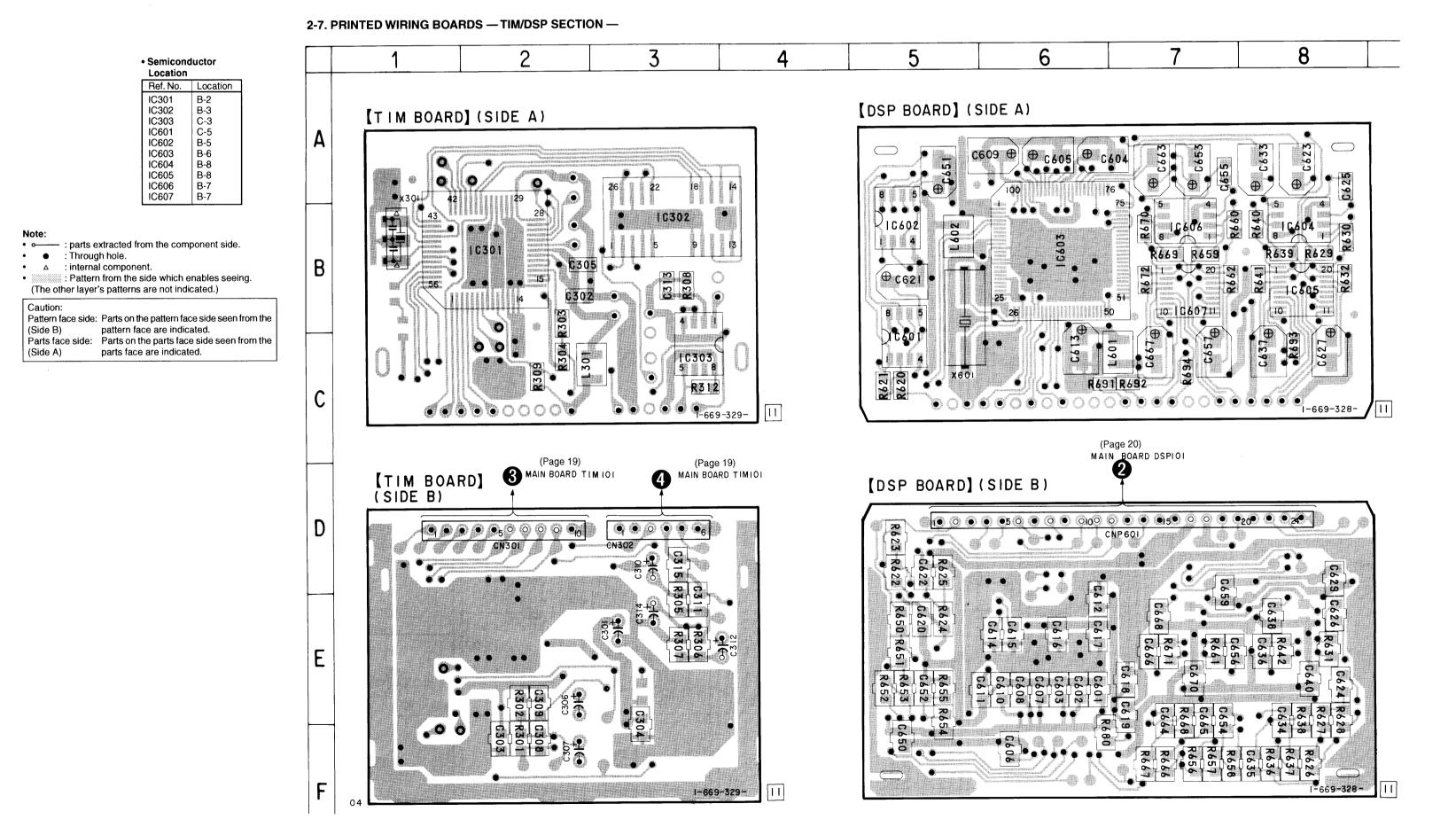
#### 2-6. SCHEMATIC DIAGRAM — MAIN SECTION — • Refer to page 46 for IC Block Diagrams.



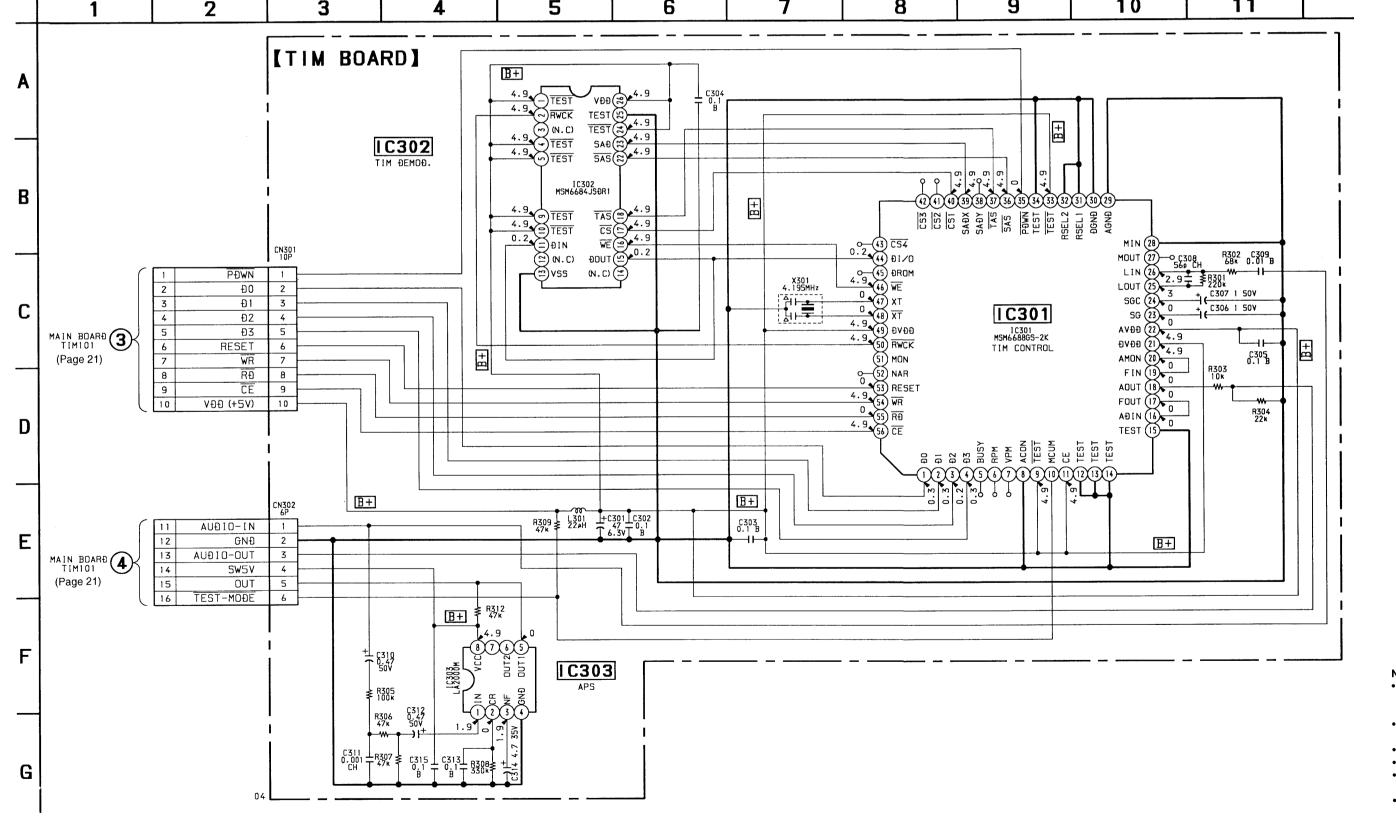
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#### **XR-5W497RB**



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2-8. SCHEMATIC DIAGRAM — TIM SECTION — • Refer to page 48 for IC Block Diagrams.

Note:
• All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.

All resistors are in Ω and ¼W or less unless otherwise

specified.

Δ : internal component.

B + : B + Line.

 Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.

Voltage is dc with respect to ground under no-signal

(detuned) condition. no mark : FM

 • Voltages are taken with a VOM (Input impedance 10  $\mbox{M}\Omega).$ Voltage variations may be noted due to normal production tolerances.

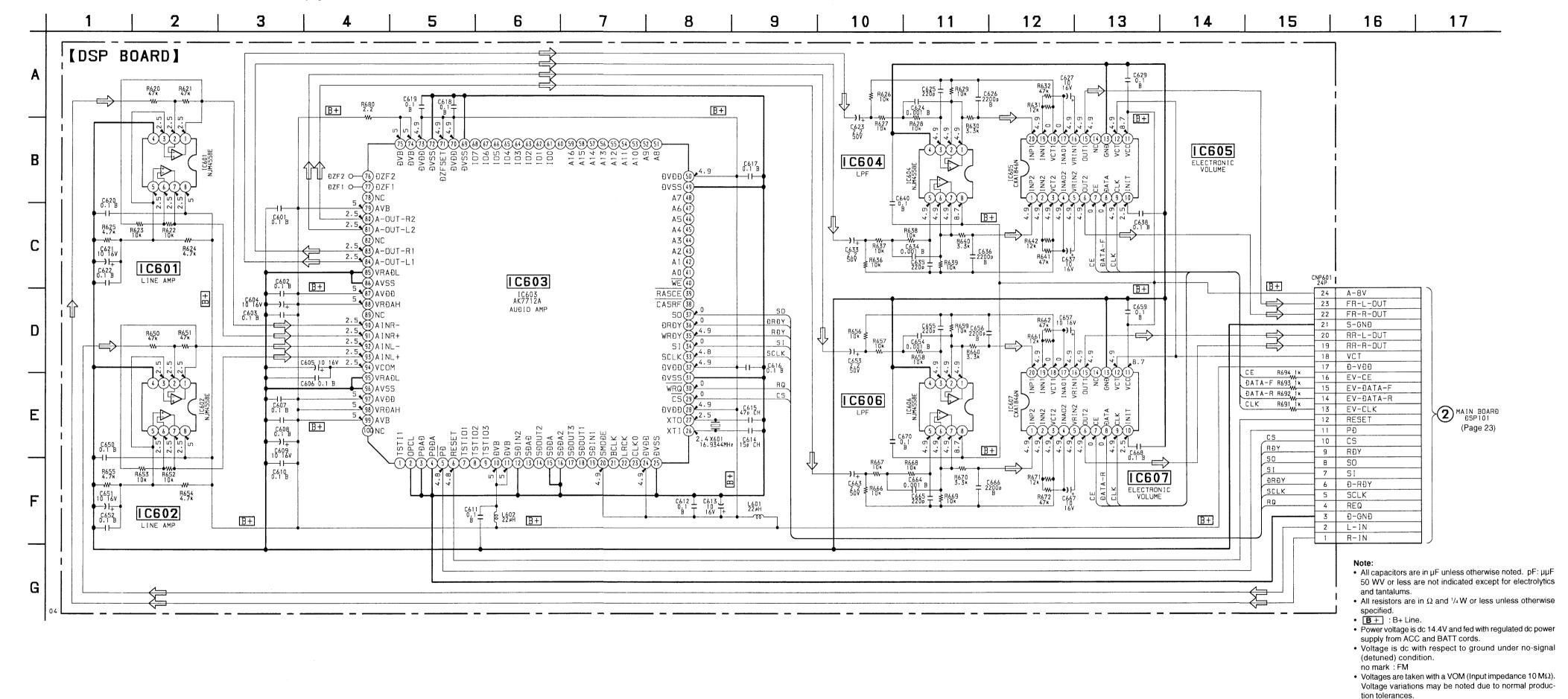
**- 26 -**

<del>-</del> 28 -

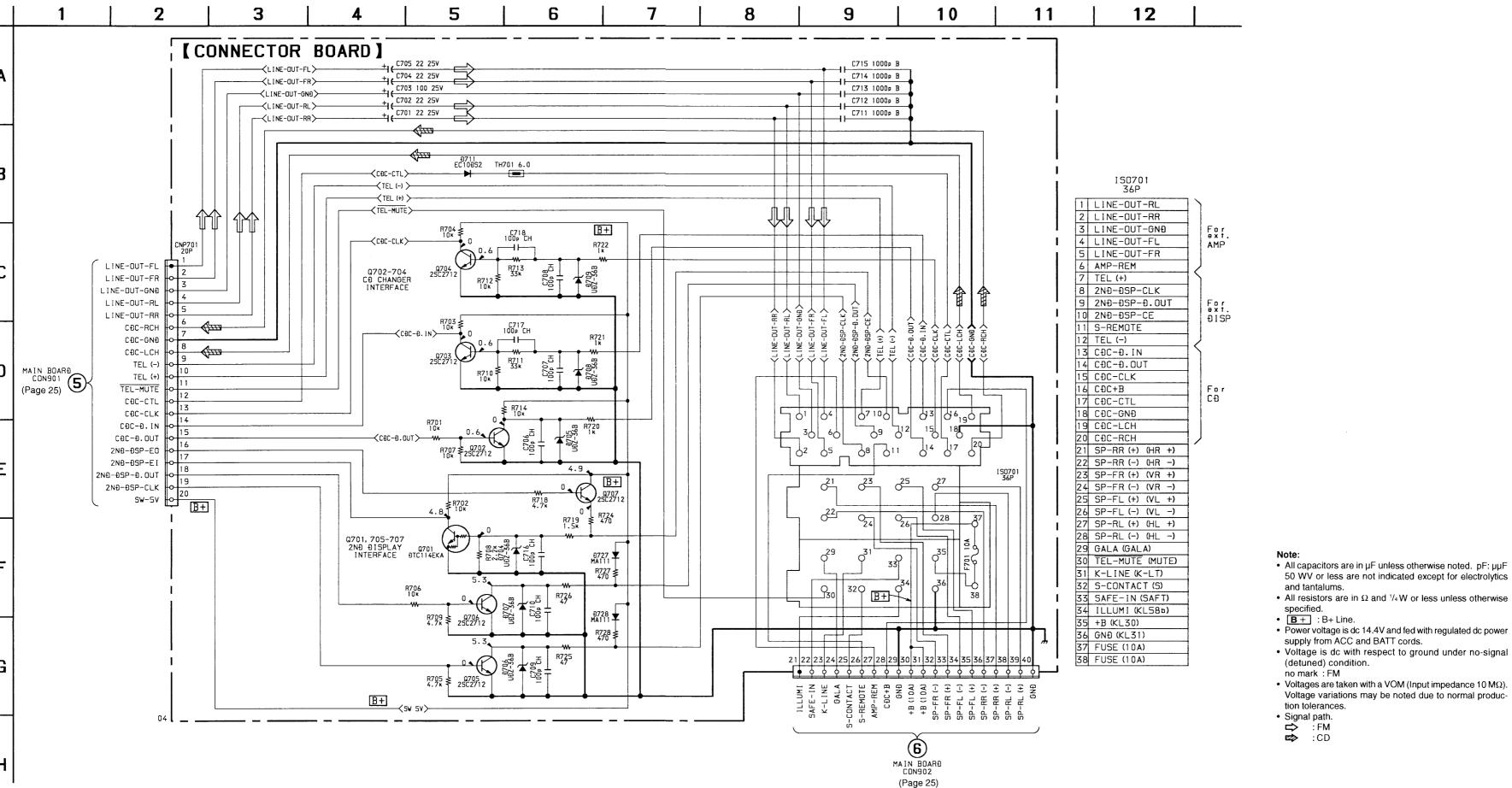
**- 29 -**

**–** 30 **–** 

#### 2-9. SCHEMATIC DIAGRAM — DSP SECTION — • Refer to page 49 for IC Block Diagrams.

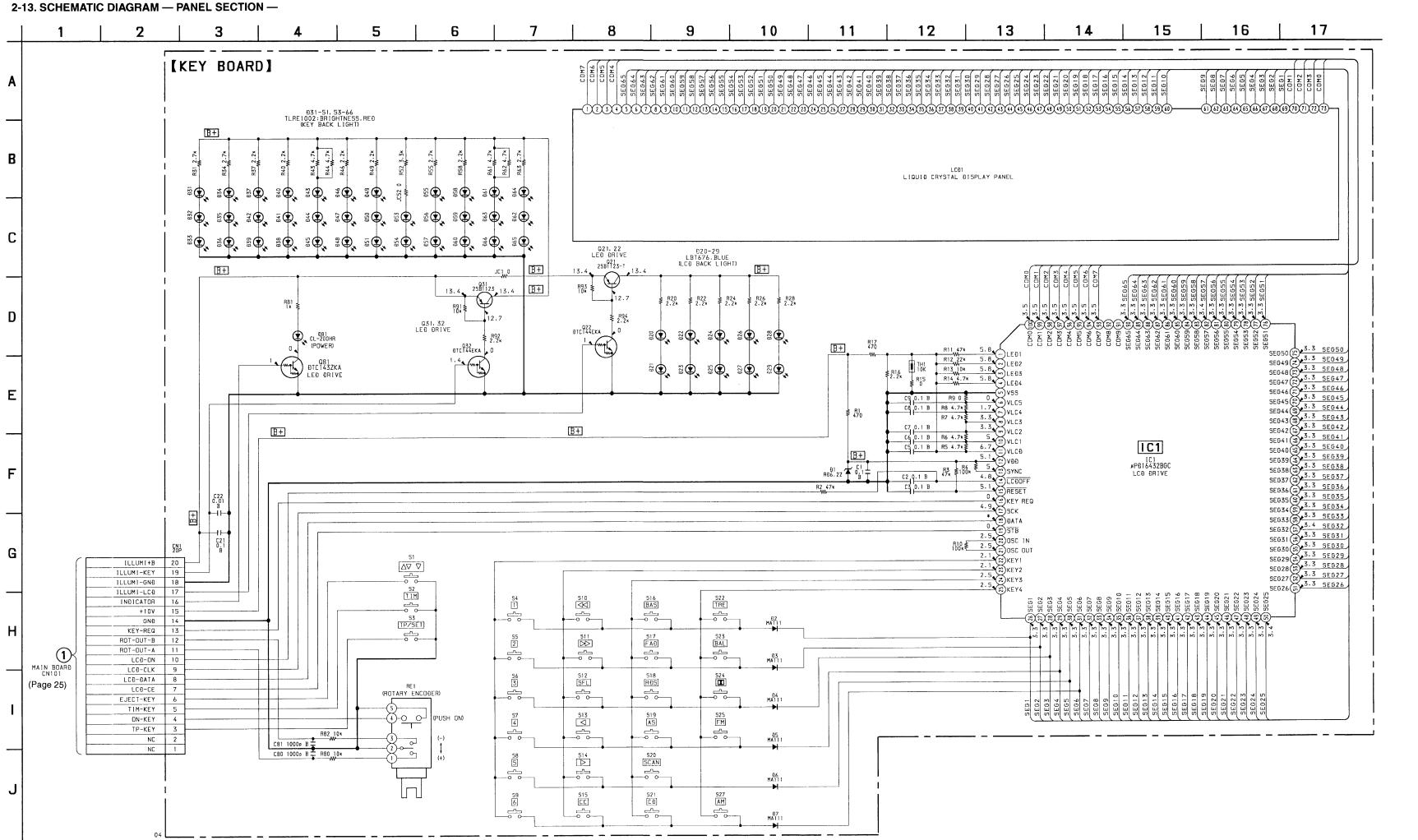


#### 2-11. SCHEMATIC DIAGRAM — CONNECTOR SECTION —



- 50 WV or less are not indicated except for electrolytics

- Voltage variations may be noted due to normal produc-



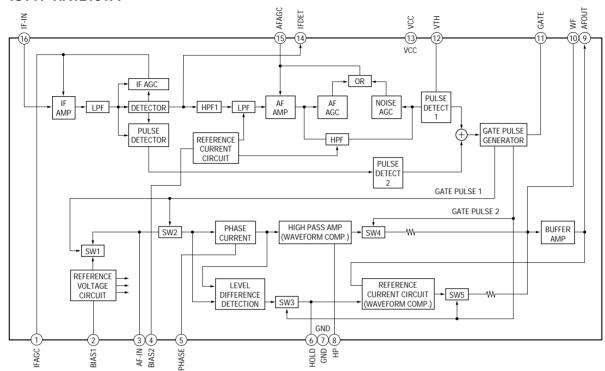
**- 44 -**

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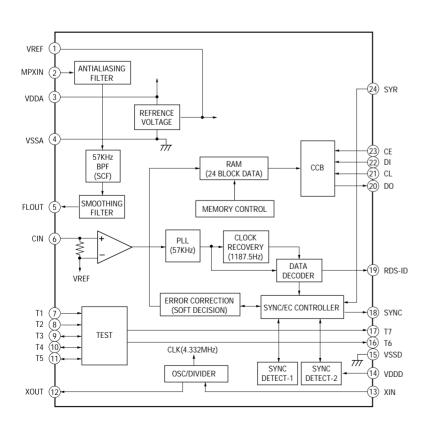
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $^{1}/_{4}$  W or less unless otherwise specified.
- : panel designation. B + : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC and BATT cords.
- · Voltage is dc with respect to ground under no-signal (detuned) condition. no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.

#### • IC Block Diagrams

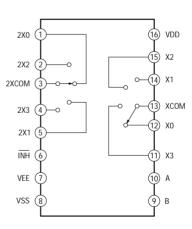
#### IC141 HA12181FP



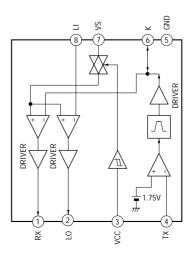
#### IC210 LC72720M



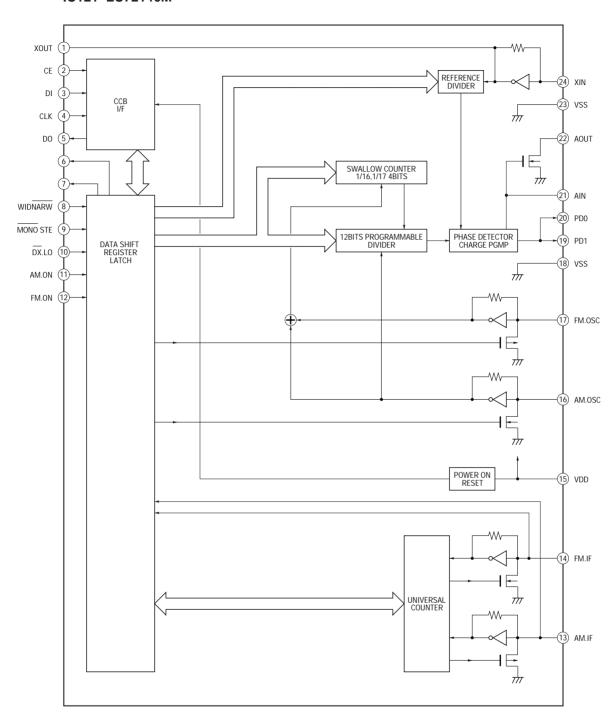
#### IC531 MC14052B



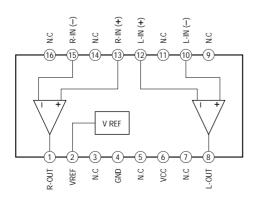
#### IC821 L9637D



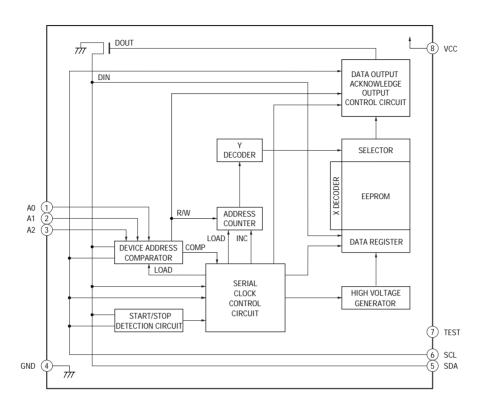
### IC121 LC72146M



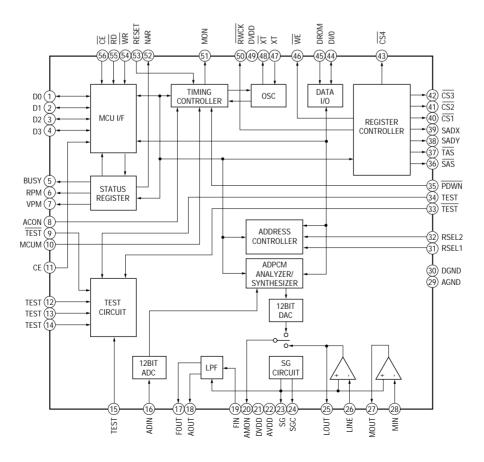
#### IC561 TA2050F



#### IC241 S-24C04AFJA

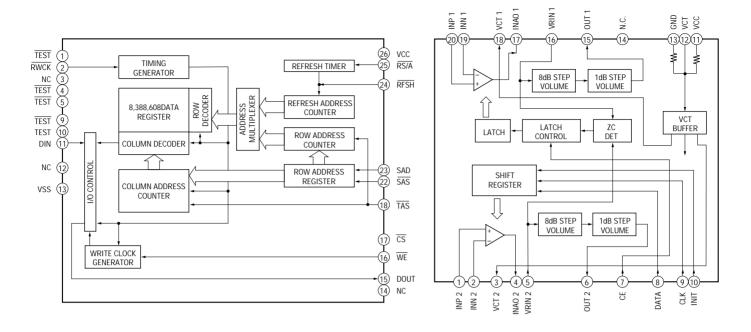


#### IC301 MSM6688GS-2K

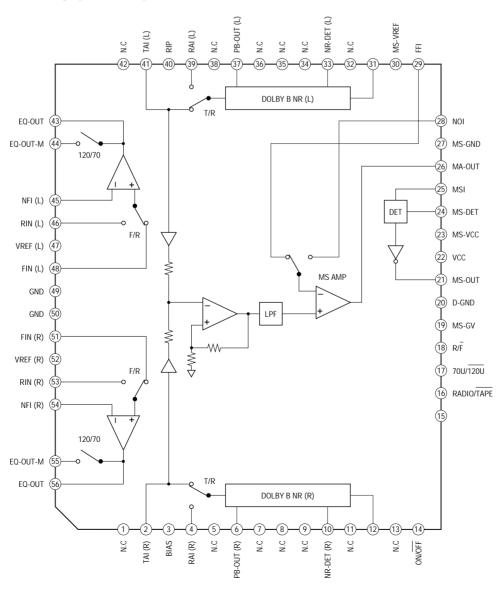


#### IC302 MSM6684JSDR1

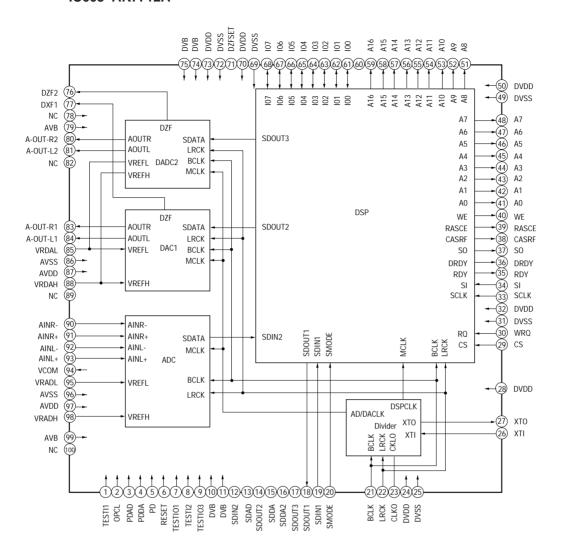
#### IC605, 607 CXA1846N



#### IC401 HA12164



#### IC603 AK7712A



#### IC901, 902 TDA8563AQ

