



# TAD S3

(DE)


## Super Mini Component System



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PRODUCT CODE No.  
129 365 03

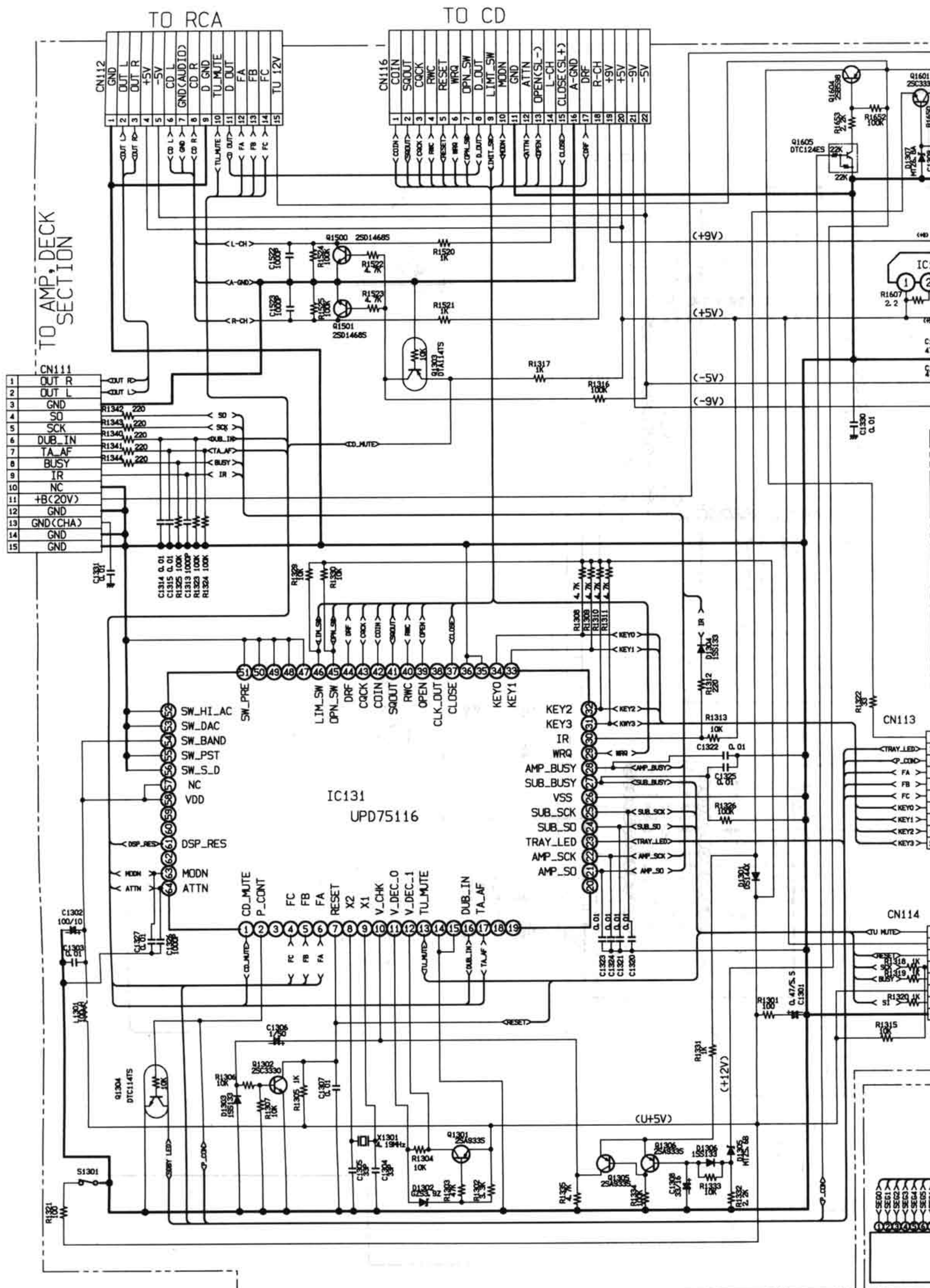
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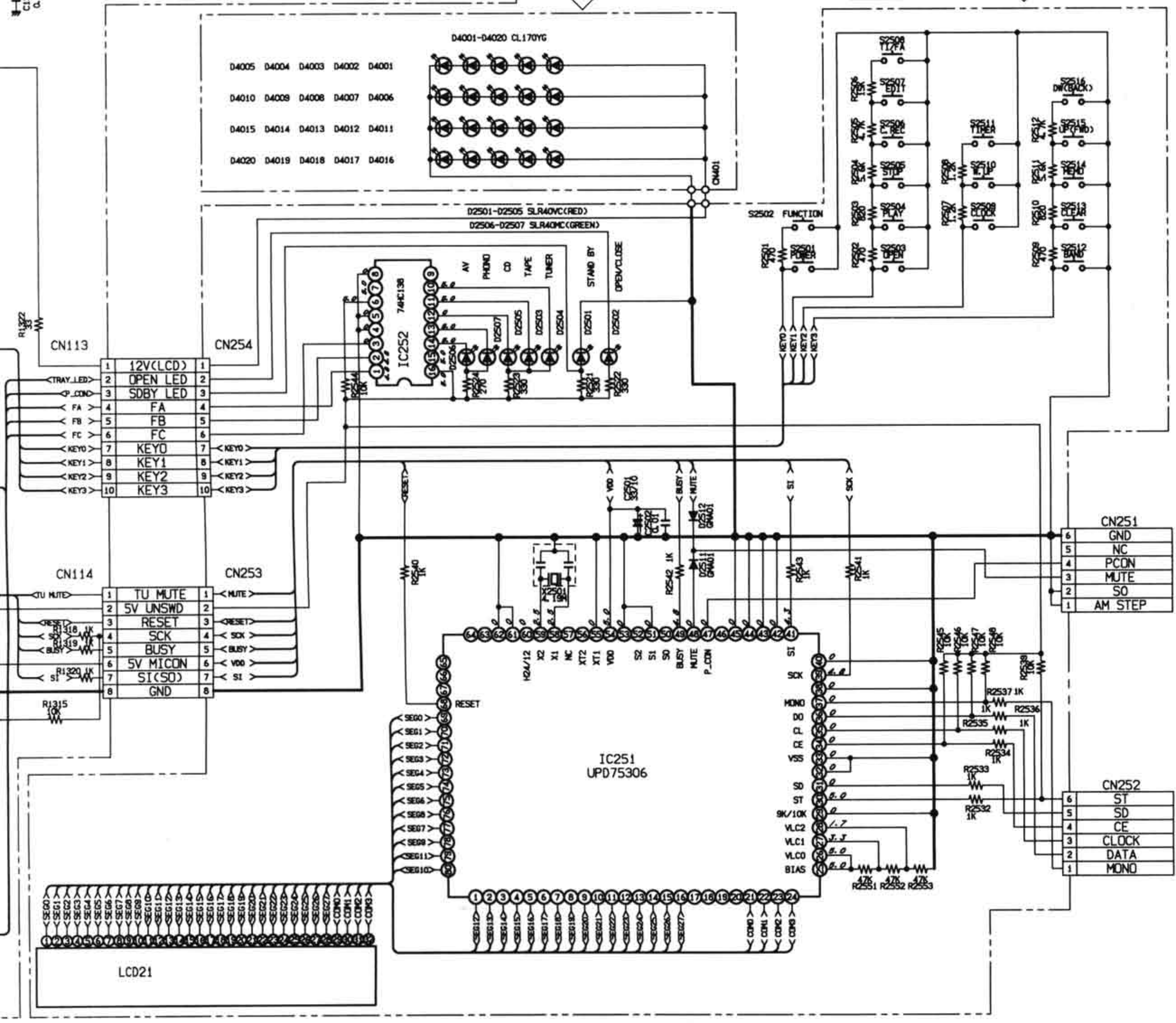
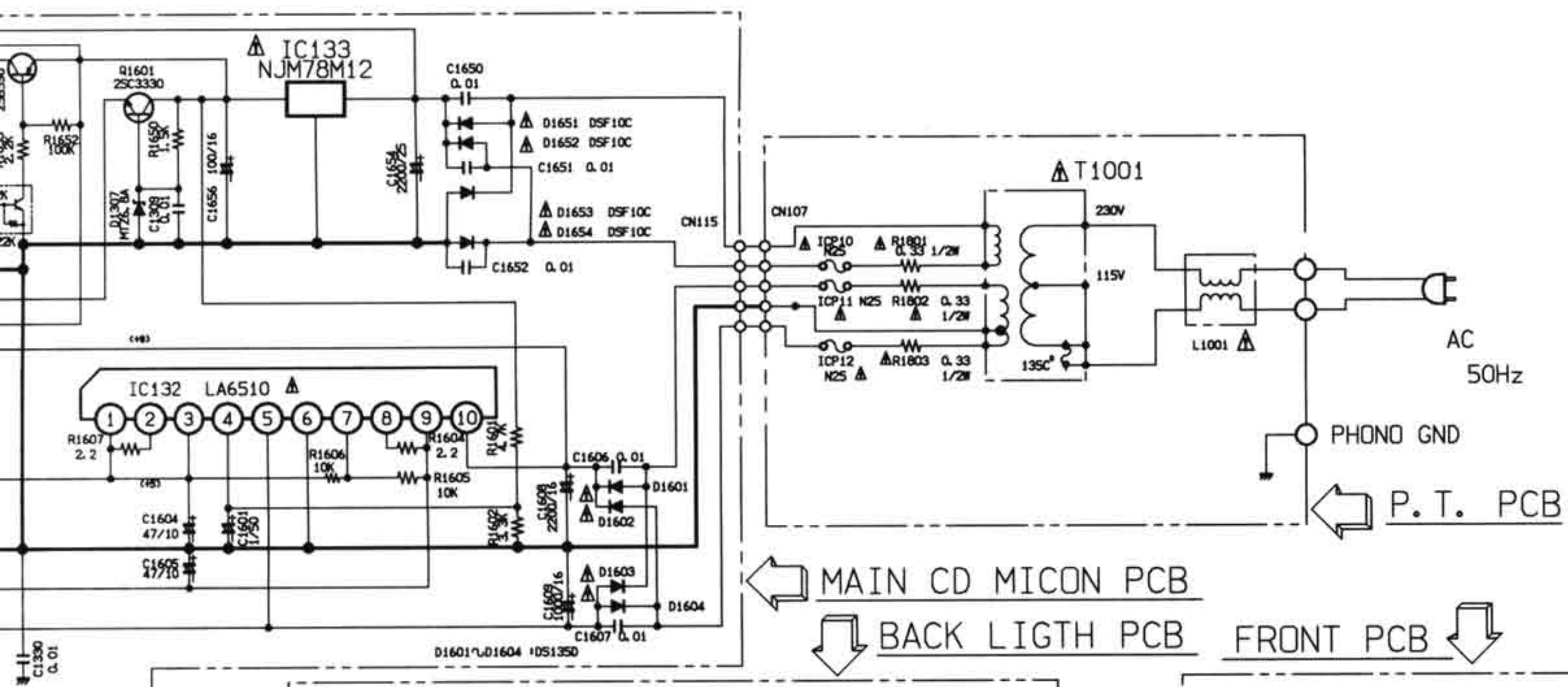
This Service manual is consist of "REM S3", "TUP S3", "CAC S3".



# SCHEMATIC DIAGRAM (SYSCON & FRONT)

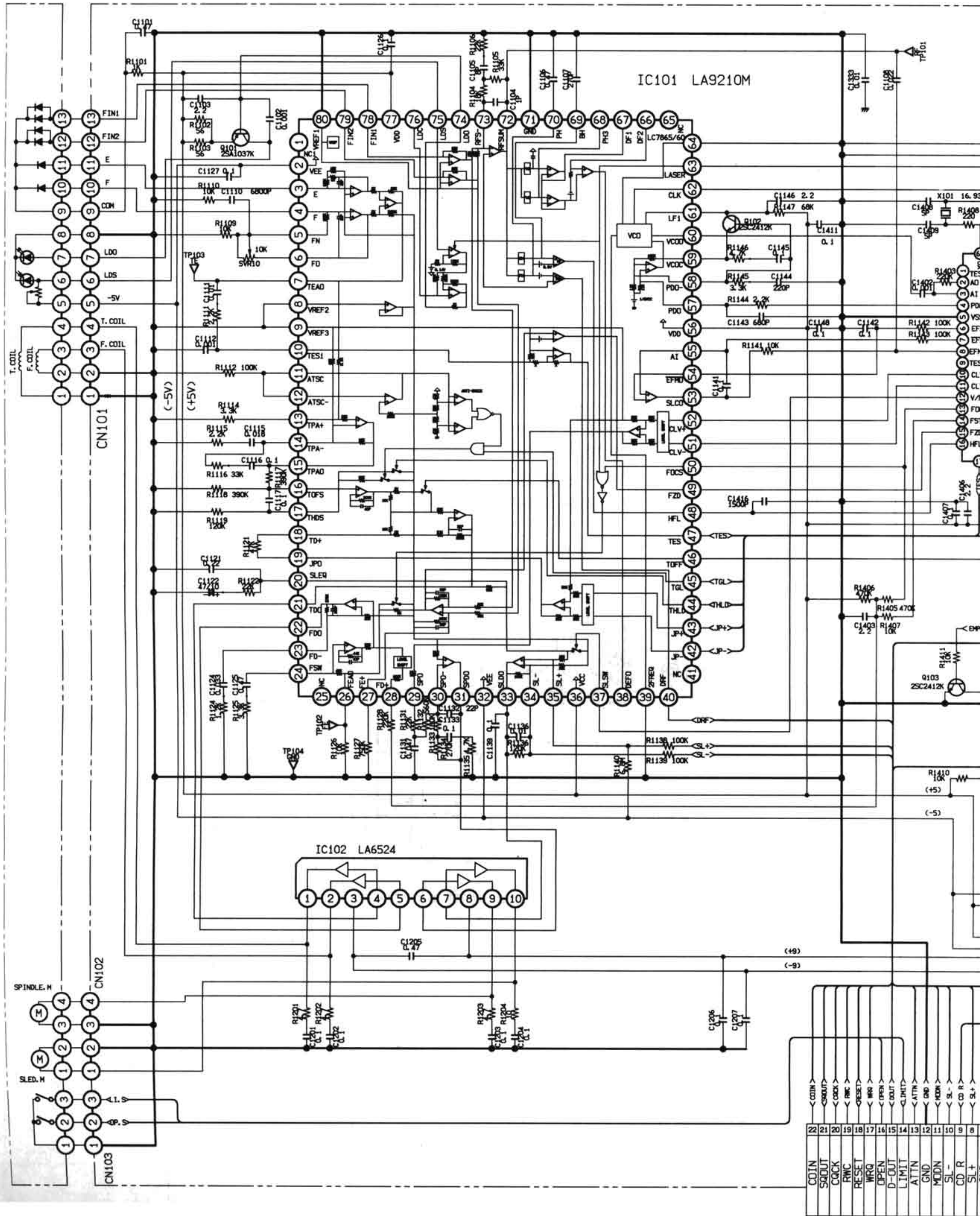




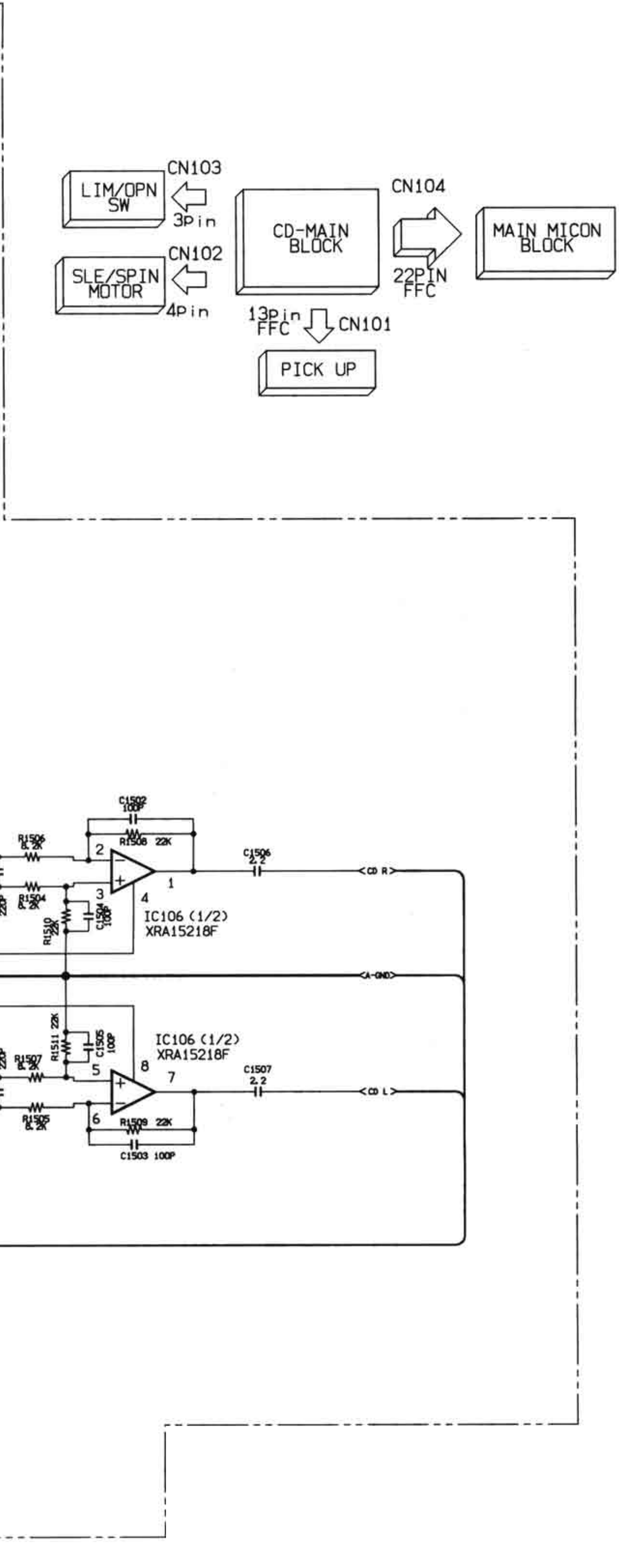
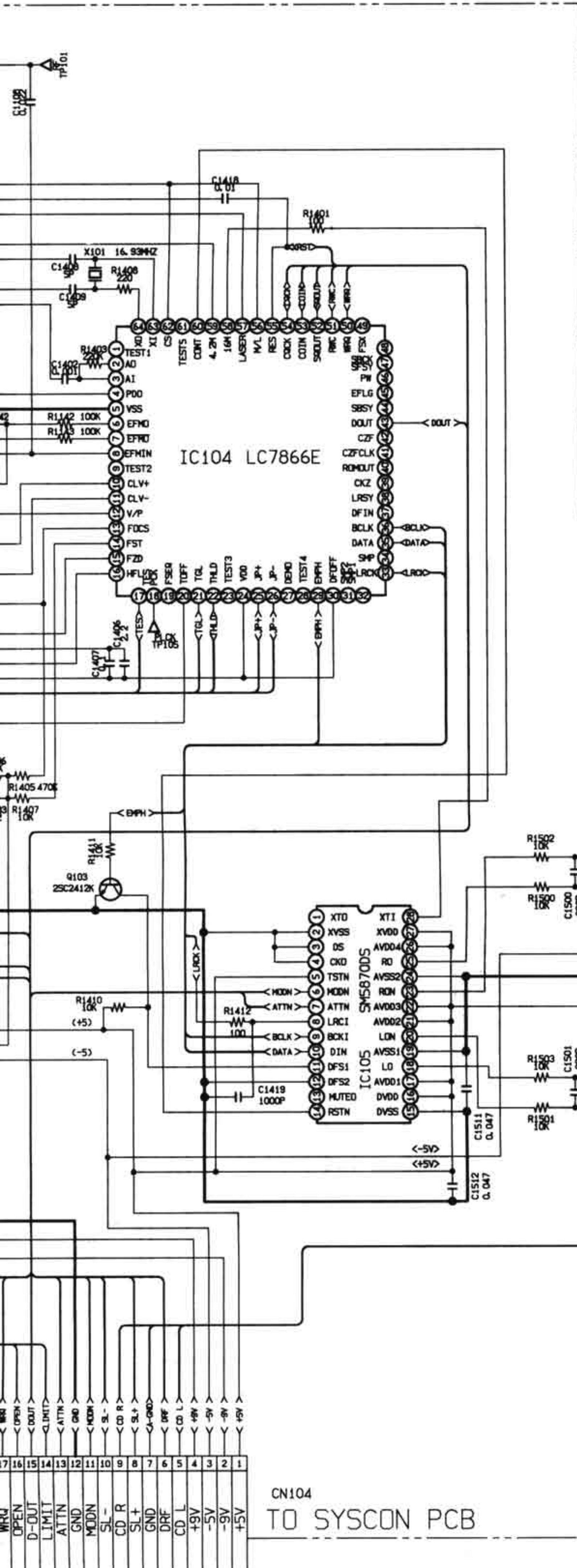




# SCHEMATIC DIAGRAM (CD MAIN)



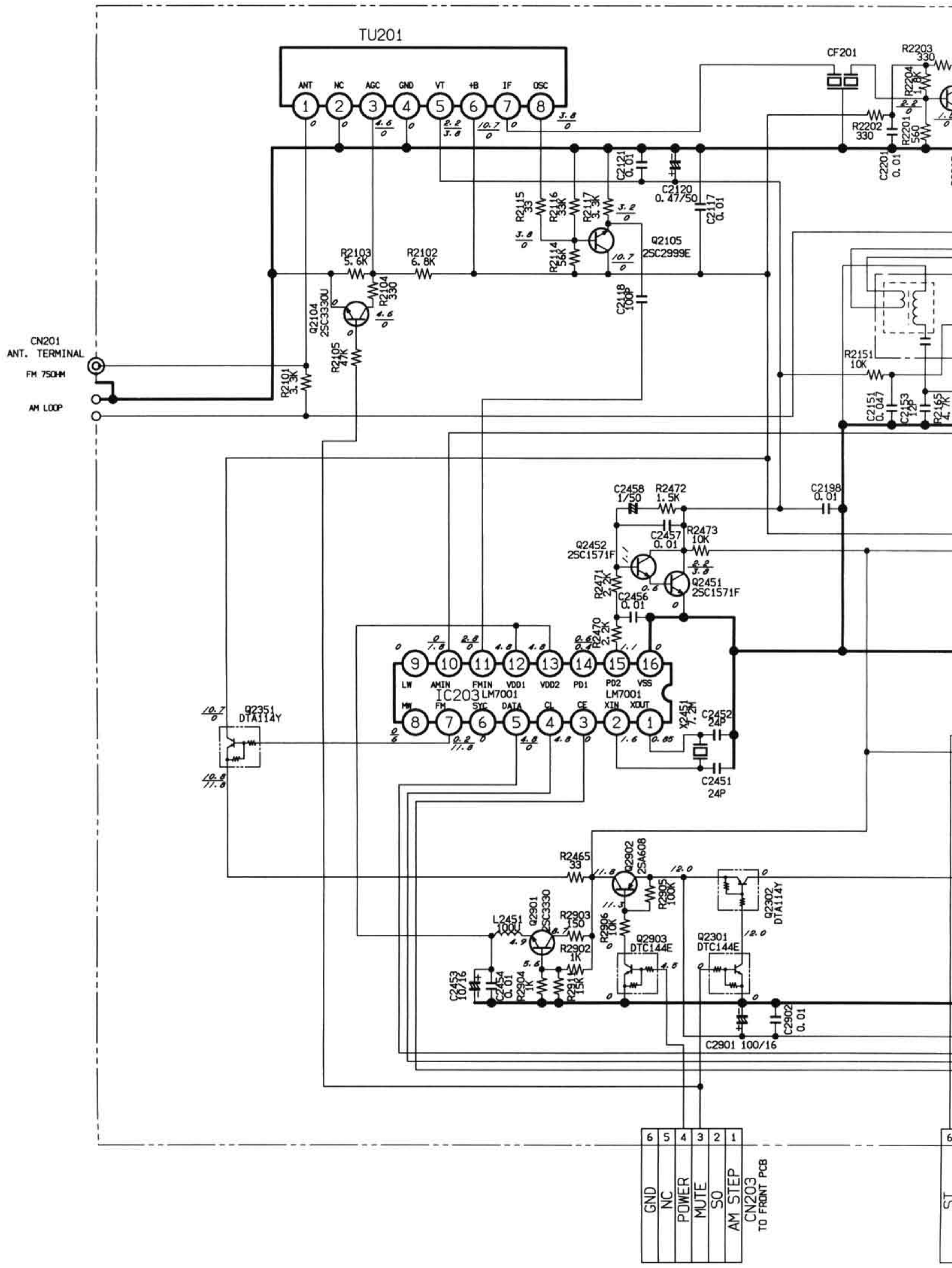




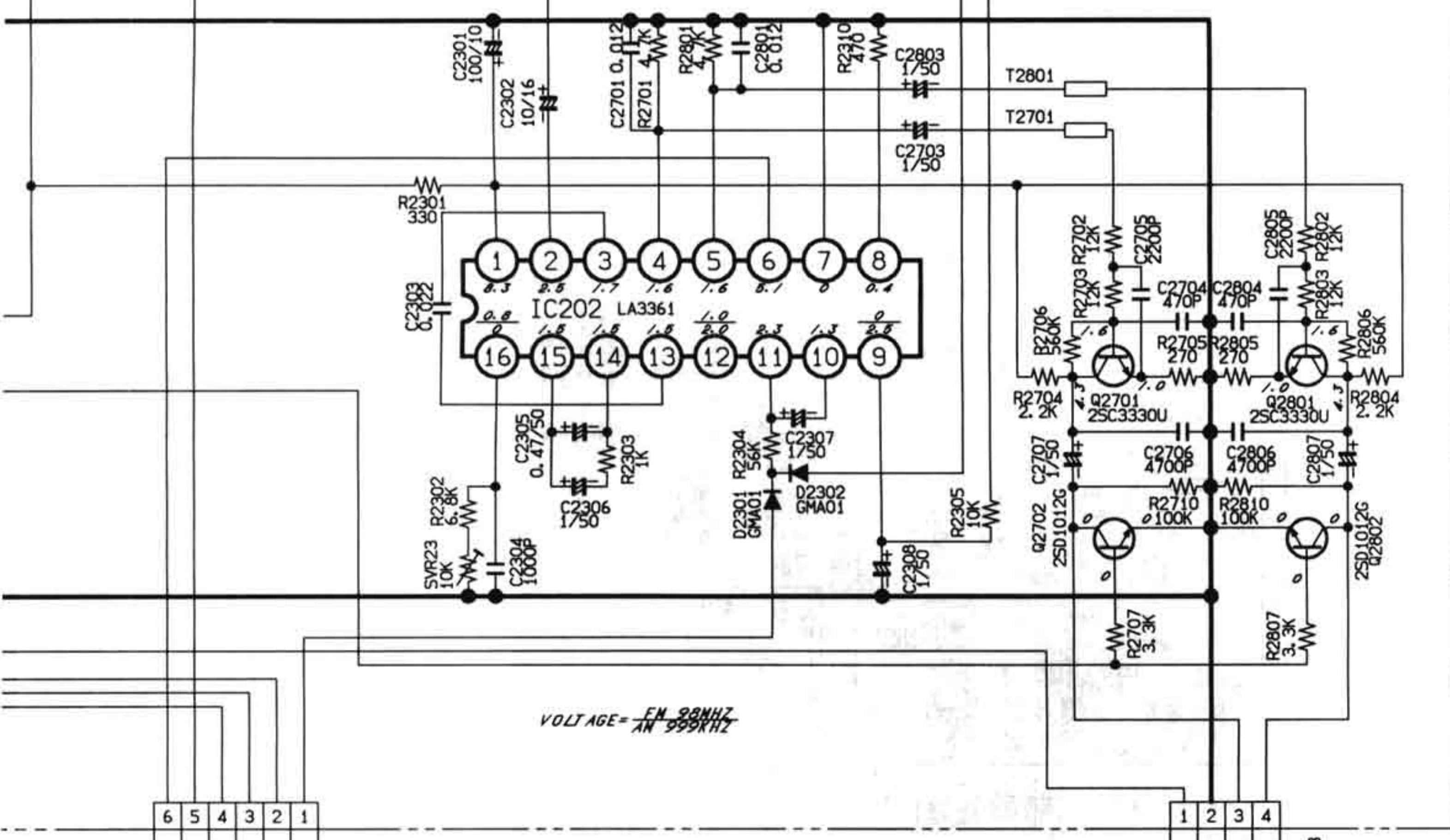
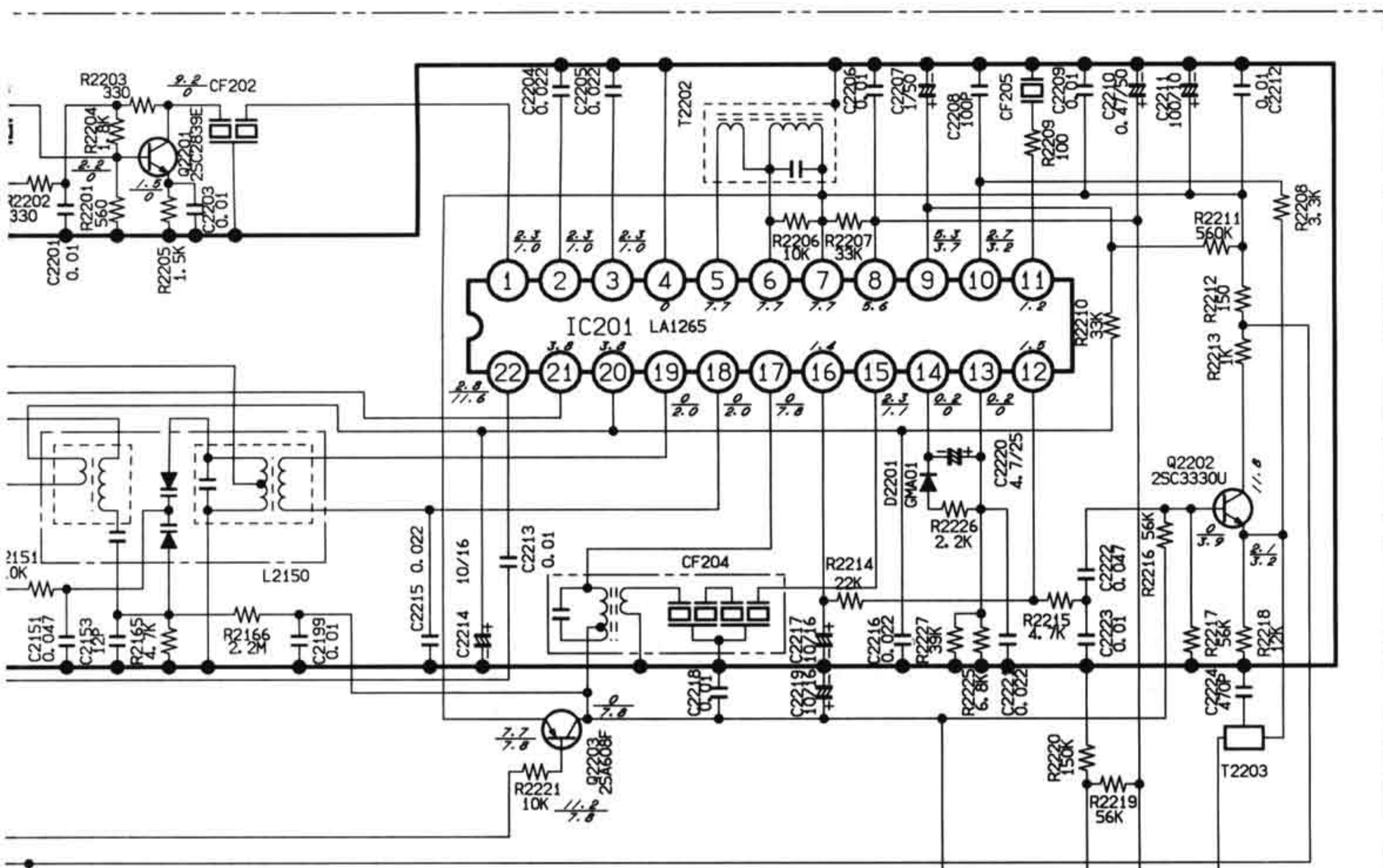
CN104  
TO SYSCON PCB

|    |       |
|----|-------|
| 17 | MRU   |
| 16 | OPEN  |
| 15 | D-OUT |
| 14 | LIMIT |
| 13 | ATTN  |
| 12 | GND   |
| 11 | MOON  |
| 10 | SL-   |
| 9  | CD R  |
| 8  | SL+   |
| 7  | GND   |
| 6  | DRF   |
| 5  | CD L  |
| 4  | +9V   |
| 3  | -9V   |
| 2  | -9V   |
| 1  | +5V   |

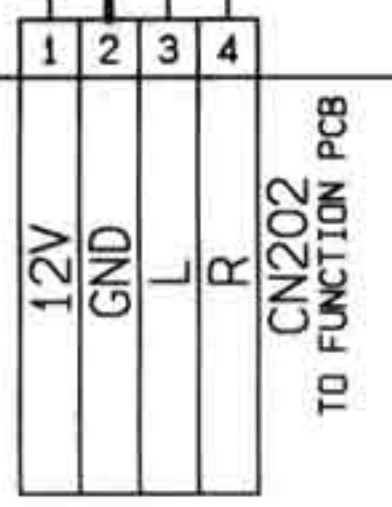
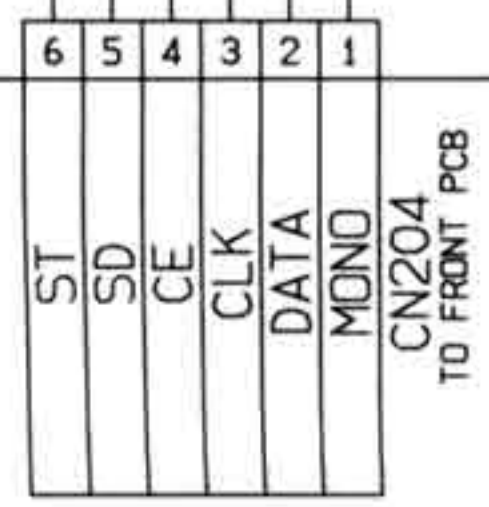
# SCHEMATIC DIAGRAM (TUNER)





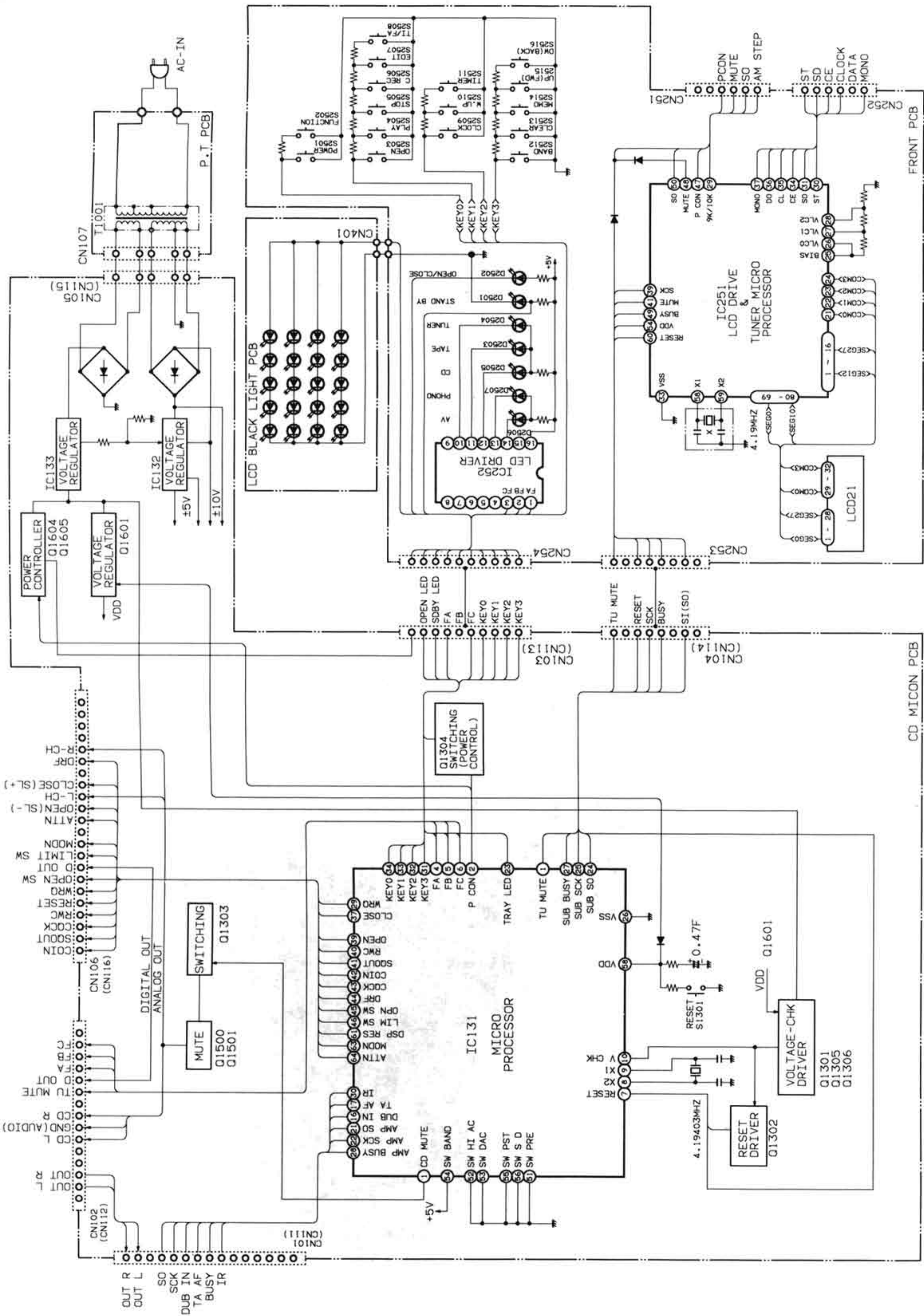


VOLTAGE = FM 98MHZ  
AM 999KHZ



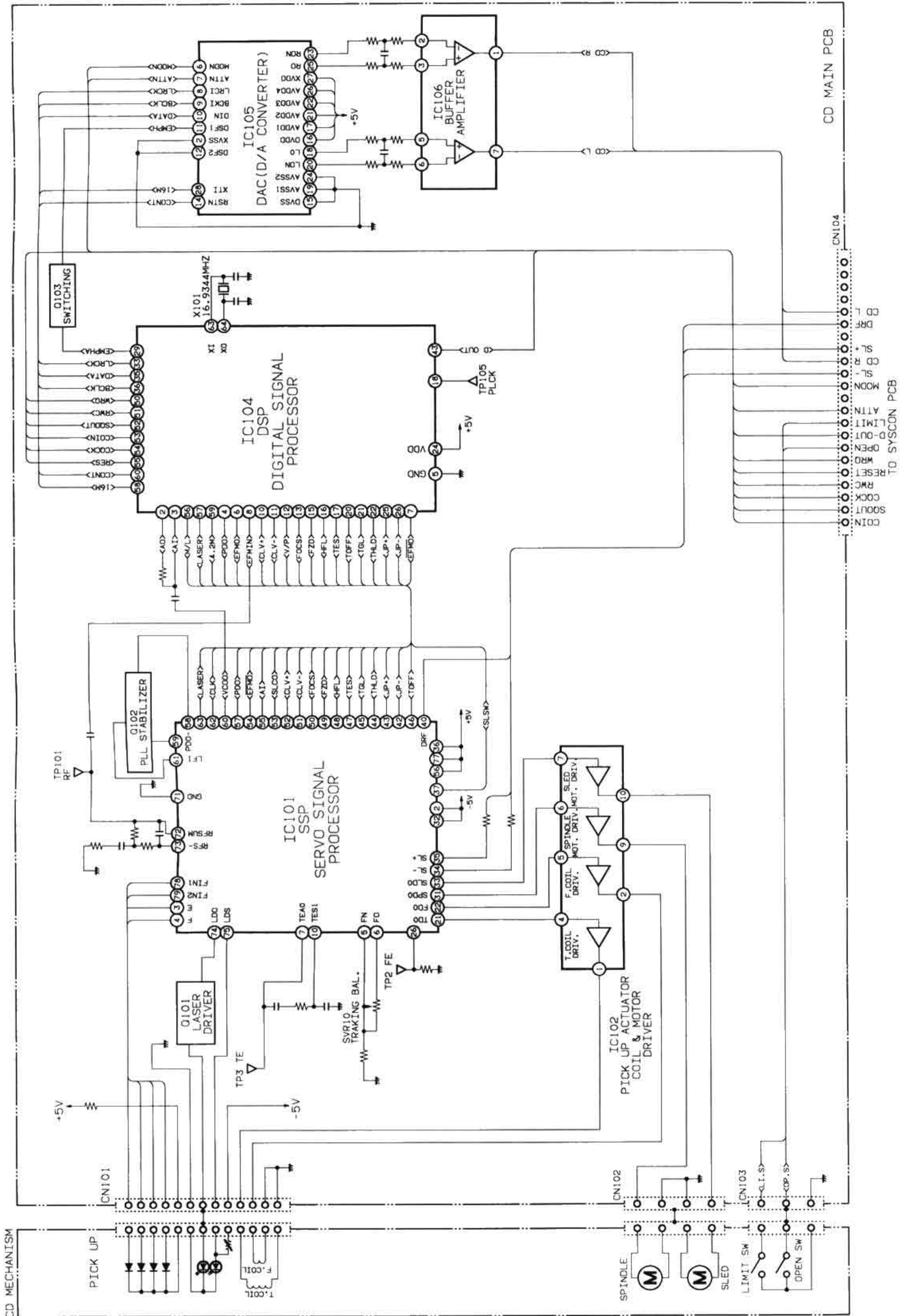


# BLOCK DIAGRAM (SYSCON & FRONT)



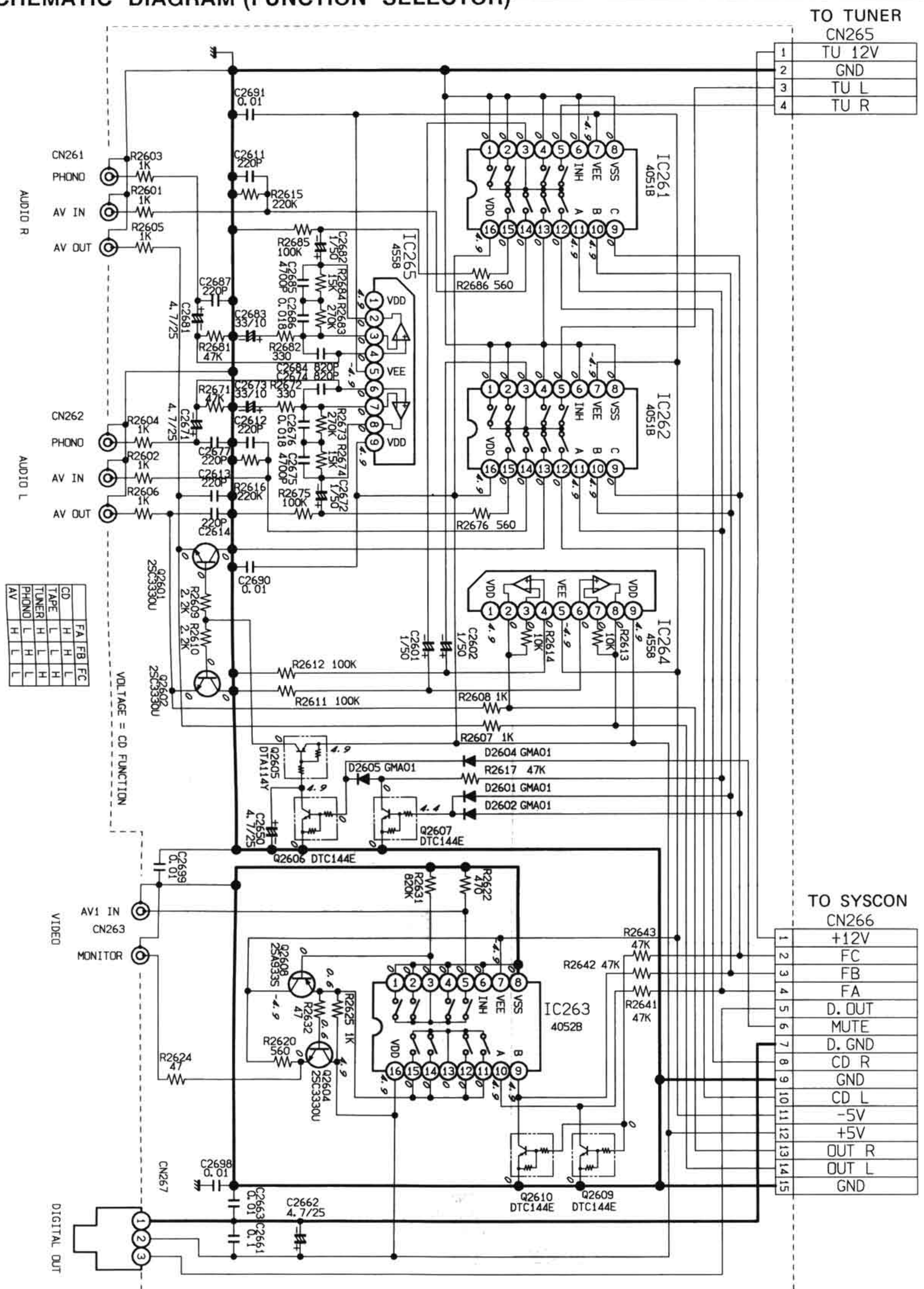


# BLOCK DIAGRAM (CD MAIN)



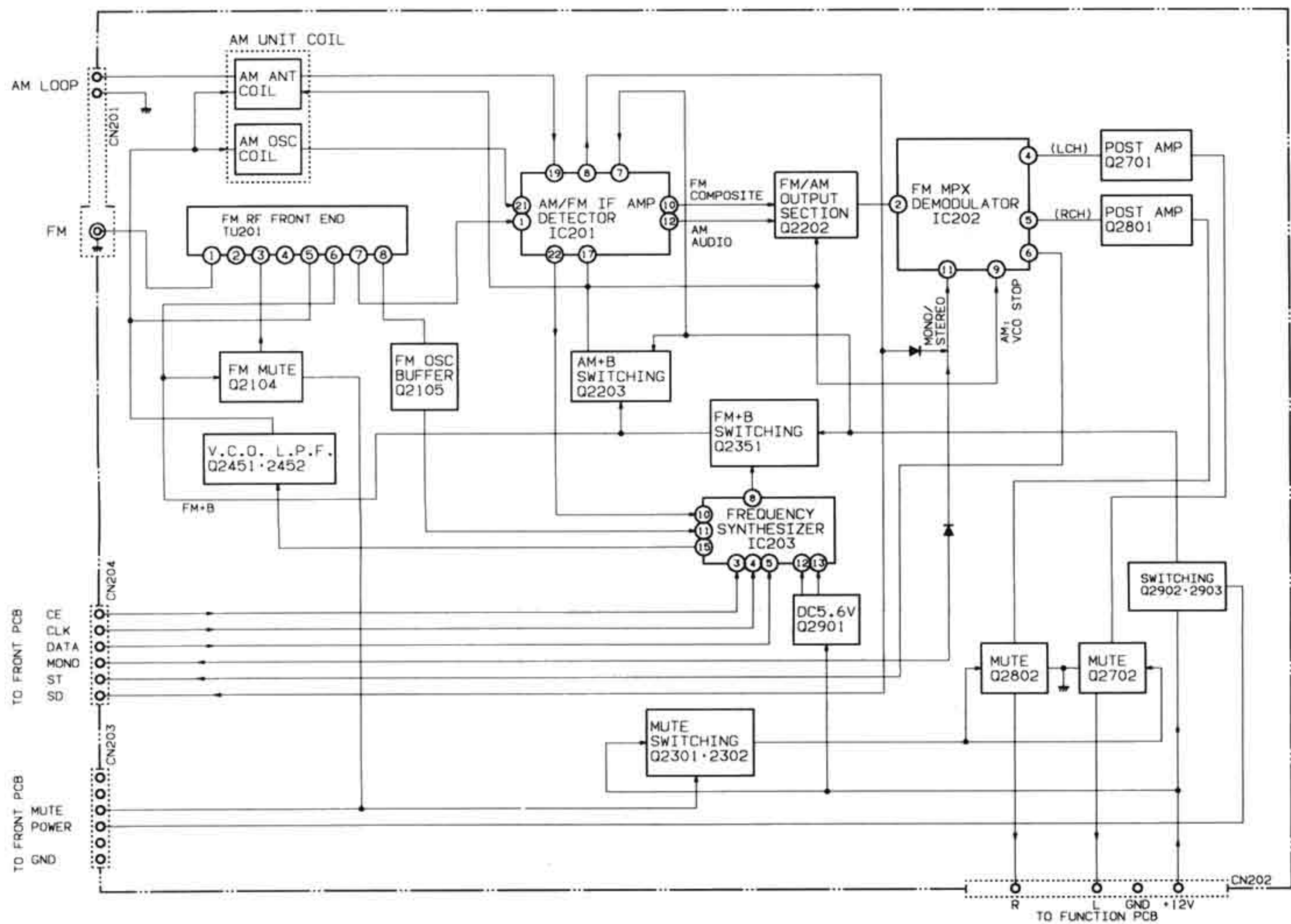


# SCHEMATIC DIAGRAM (FUNCTION SELECTOR)

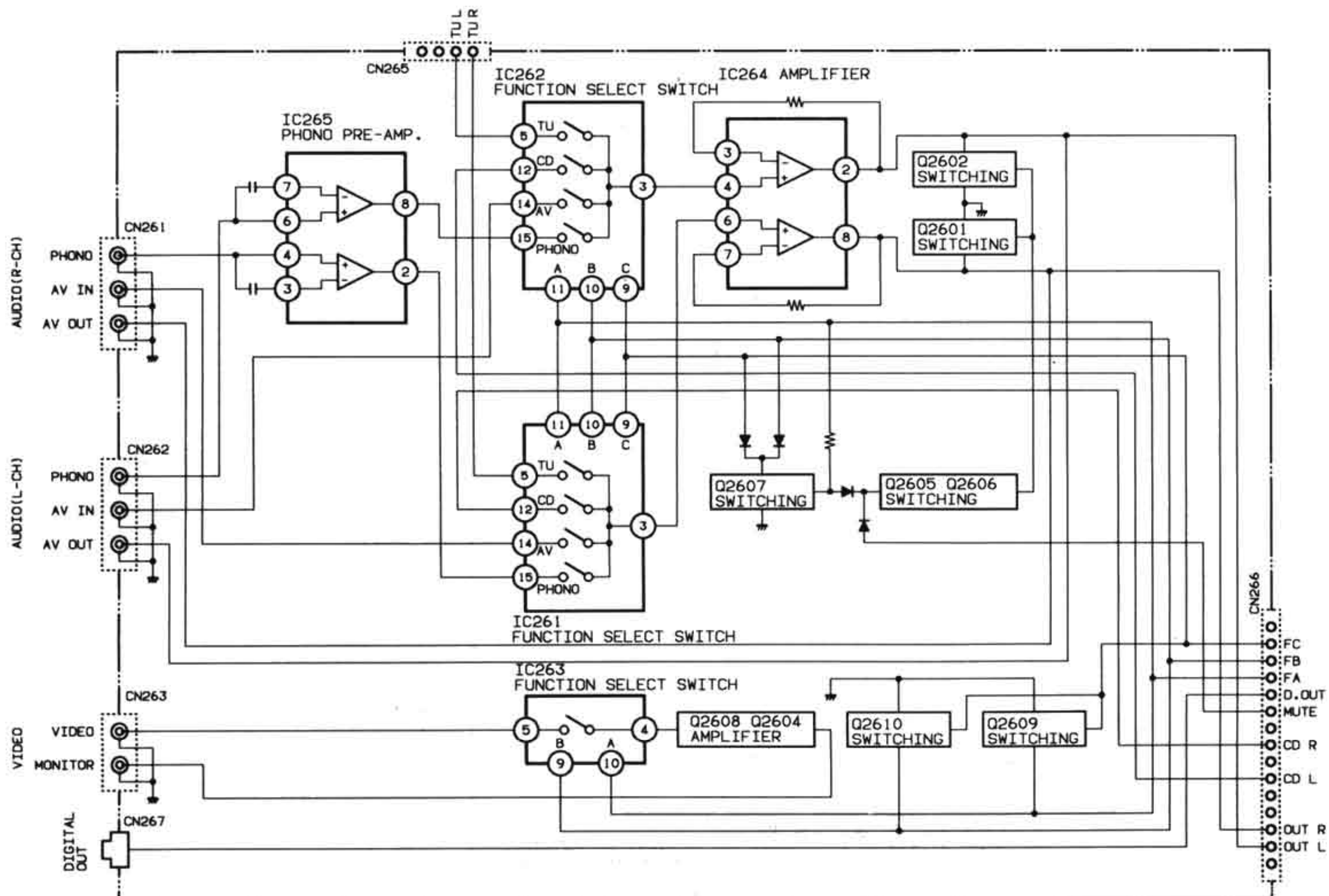




# BLOCK DIAGRAM (TUNER)

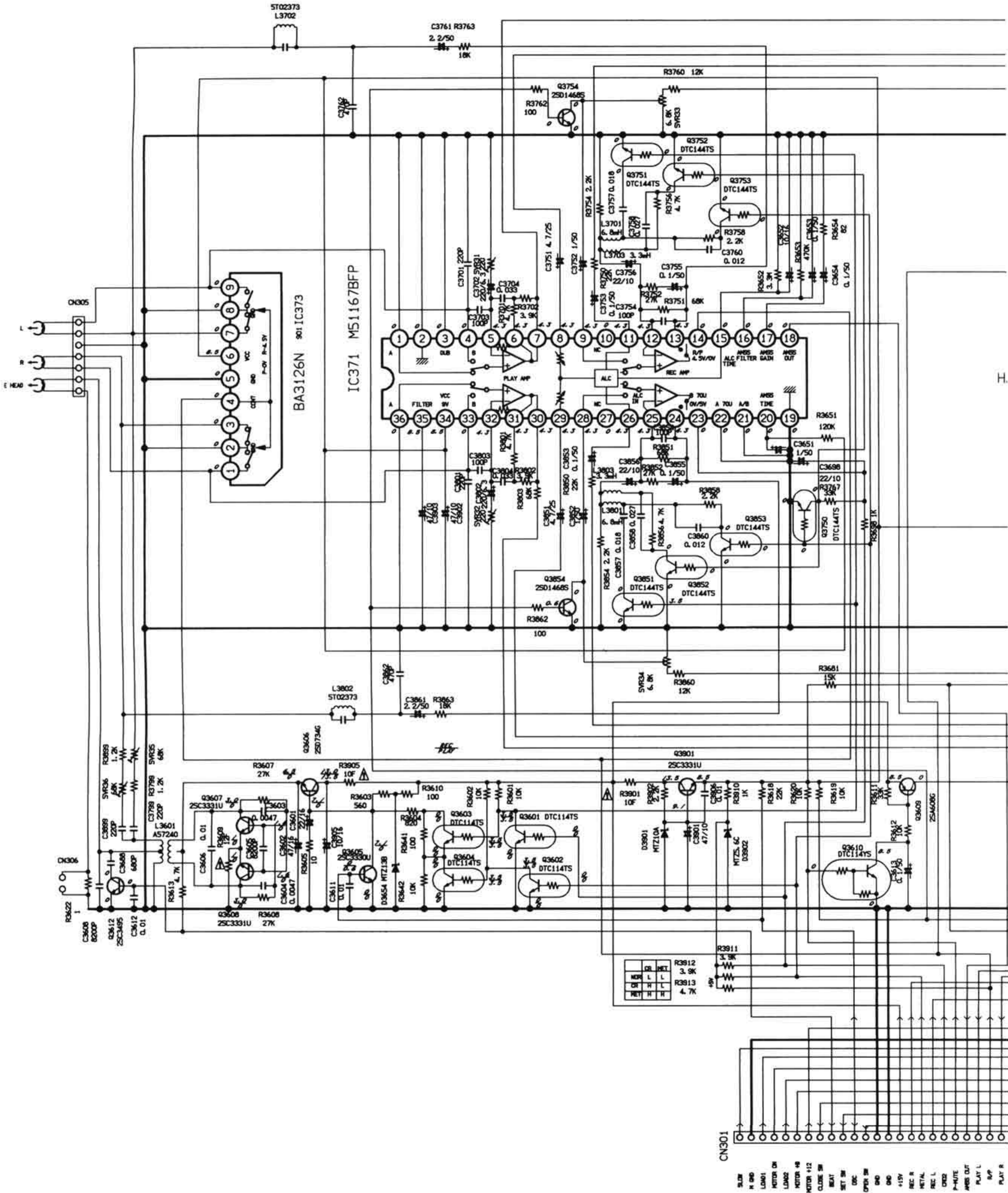


# BLOCK DIAGRAM (FUNCTION SELECTOR)



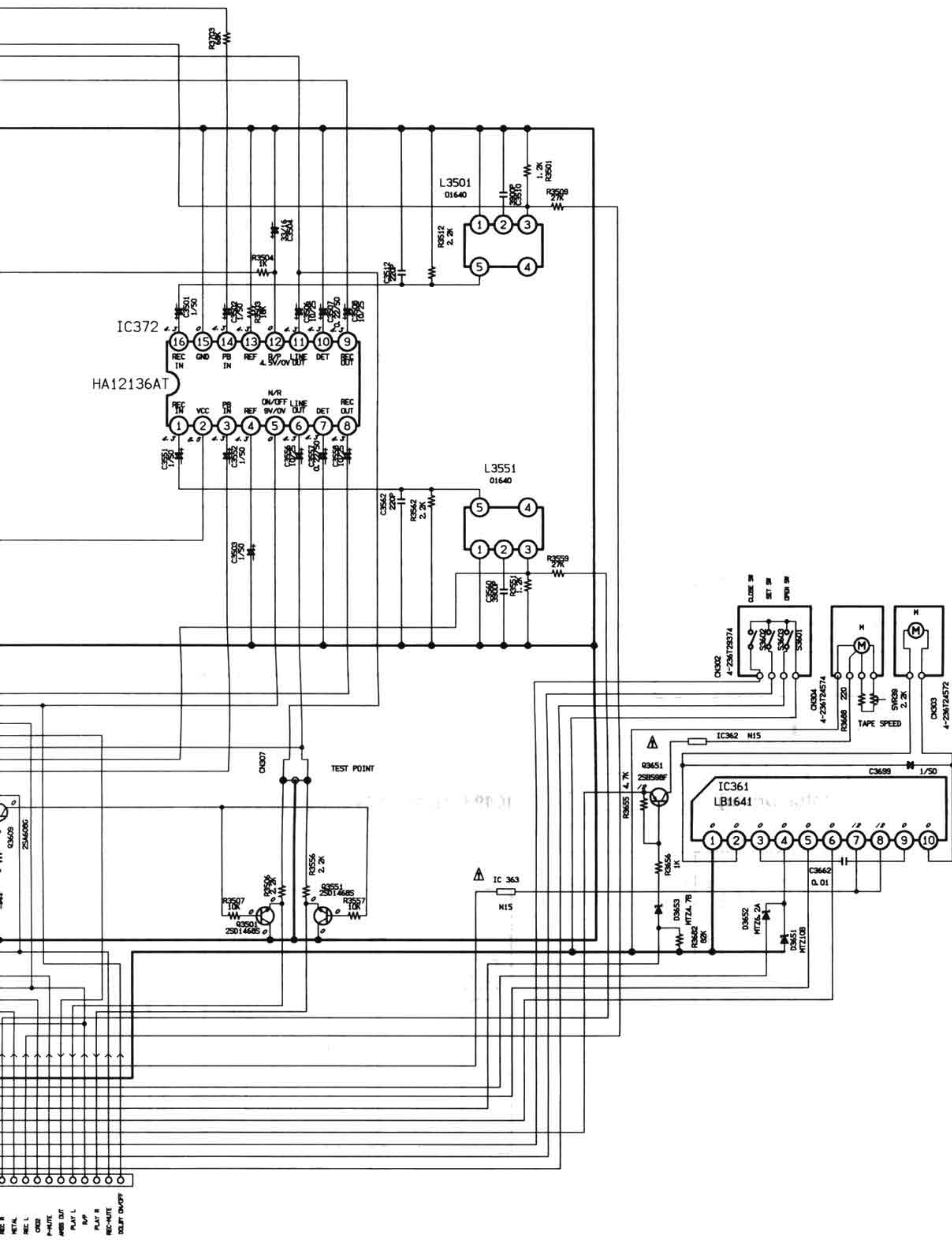


# SCHEMATIC DIAGRAM (TAPE DECK AMPLIFIER)



- CN301
- SW
  - N
  - LN01
  - MOTOR ON
  - LN02
  - MOTOR #2
  - MOTOR #12
  - CLONE SW
  - HEAT
  - SET SW
  - ON
  - OPER SW
  - ON
  - ON
  - +15V
  - REC R
  - METAL
  - REC L
  - ON2
  - P-WITE
  - AHB OUT
  - PLAY L
  - M P
  - PLAY R

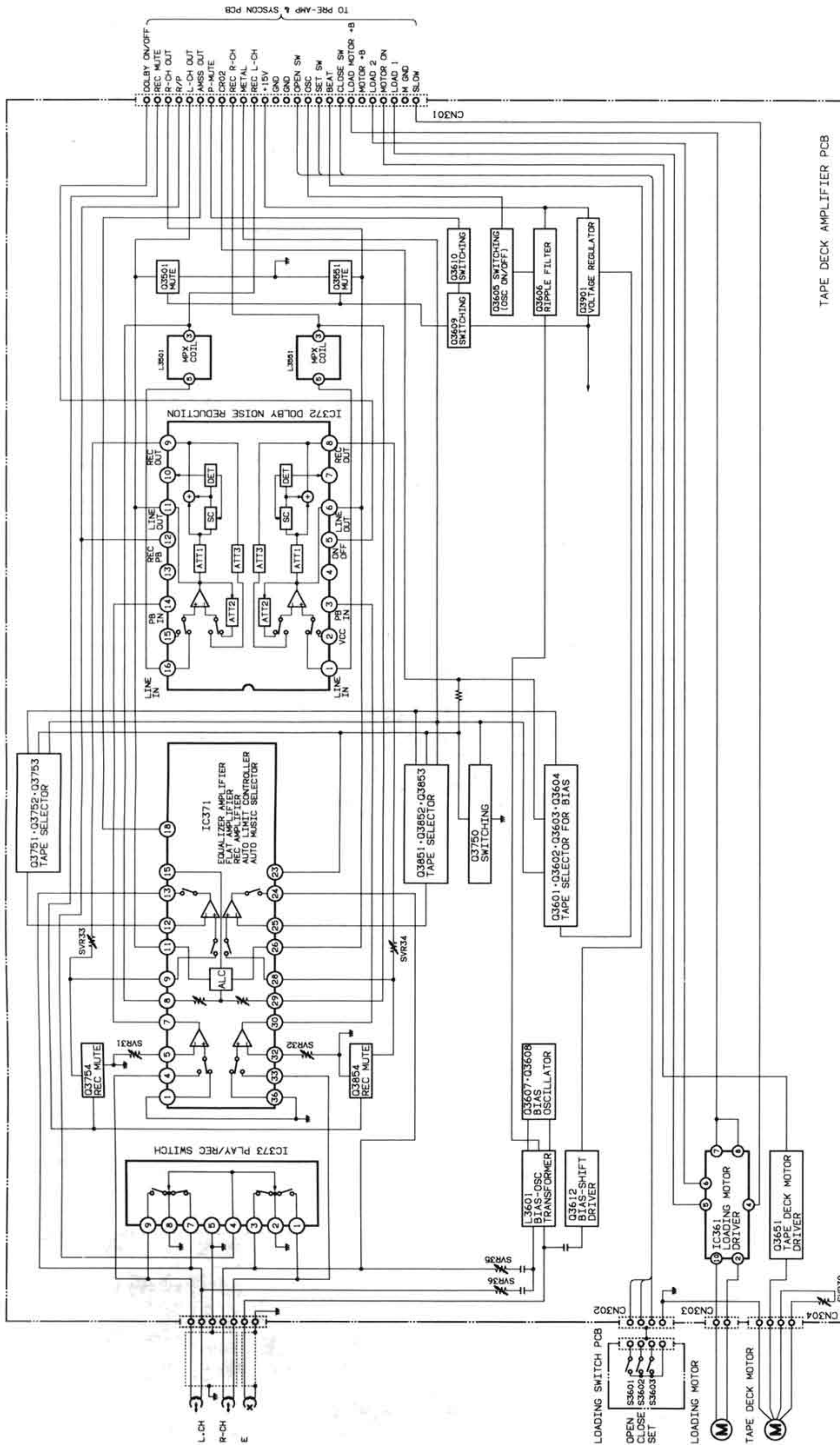




- REC R
- META
- REC L
- CRIB
- PAUSE
- REW
- PLAY L
- RP
- PLAY R
- REC-PAUSE
- DUBBY ON/OFF



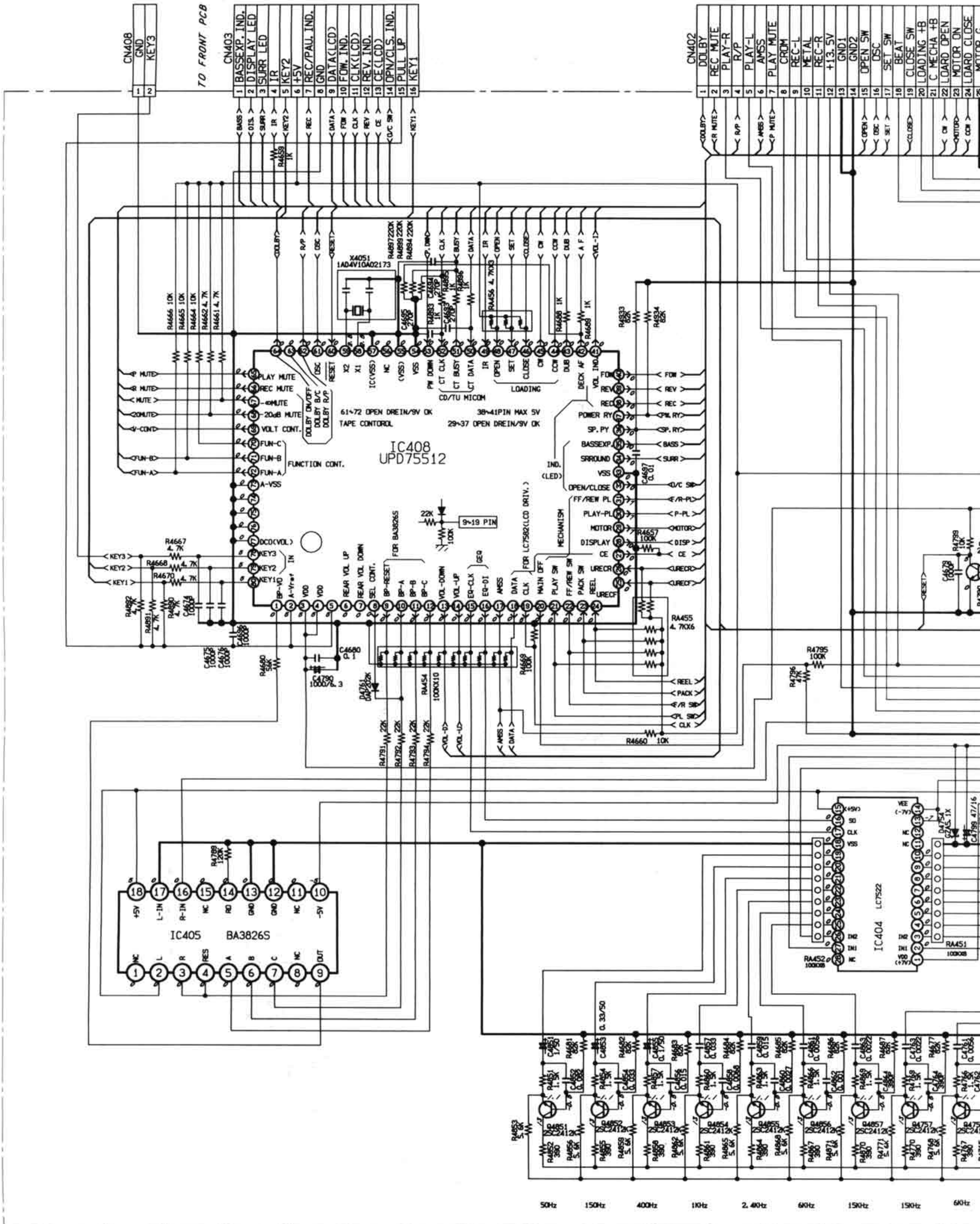
# BLOCK DIAGRAM (TAPE DECK AMPLIFIER)



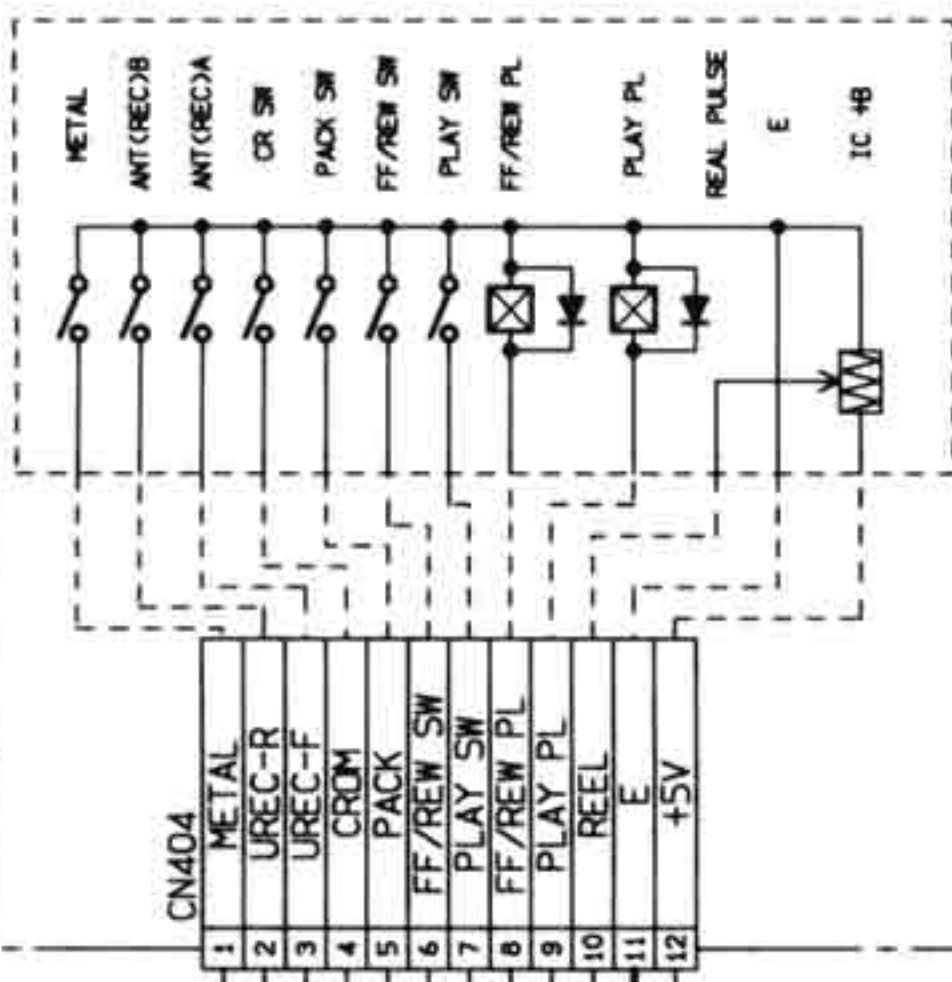
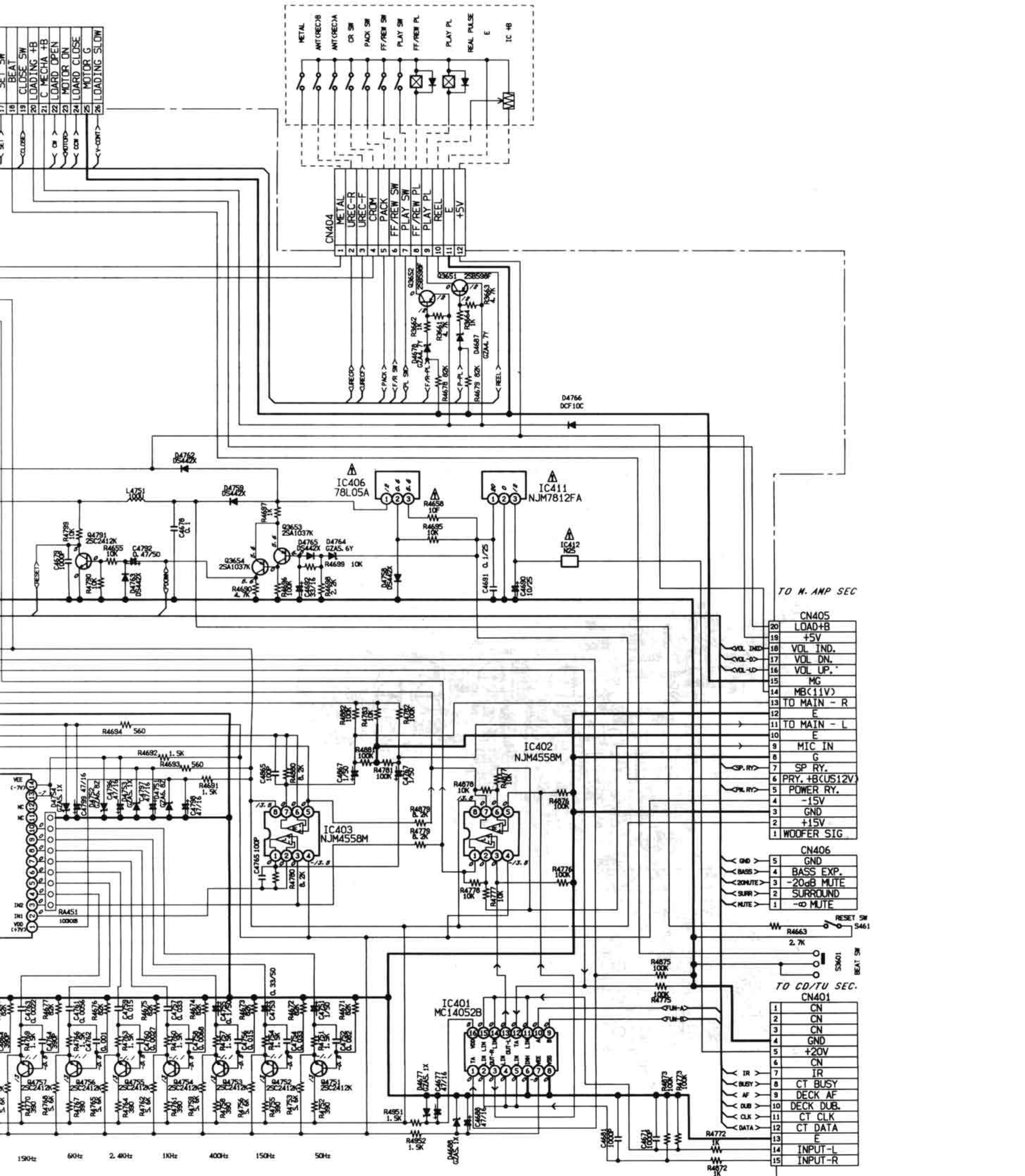


# SCHEMATIC DIAGRAM (SYSCON)

TO DECK PCB







TO MAIN SEC

|    |                 |
|----|-----------------|
| 20 | LOAD+B          |
| 19 | +5V             |
| 18 | VOL IND.        |
| 17 | VOL DN.         |
| 16 | VOL UP.         |
| 15 | MG              |
| 14 | MB(11V)         |
| 13 | TO MAIN - R     |
| 12 | E               |
| 11 | TO MAIN - L     |
| 10 | E               |
| 9  | MIC IN          |
| 8  | G               |
| 7  | SP RY.          |
| 6  | PRY. +B(CUS12V) |
| 5  | POWER RY.       |
| 4  | -15V            |
| 3  | GND             |
| 2  | +15V            |
| 1  | WOOFER SIG      |

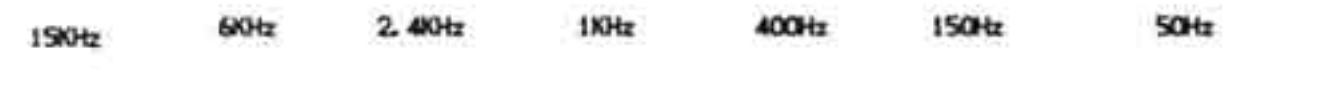
|   |            |
|---|------------|
| 5 | GND        |
| 4 | BASS EXP.  |
| 3 | -20dB MUTE |
| 2 | SURROUND   |
| 1 | -∞ MUTE    |

RESET SW S461

2.7K

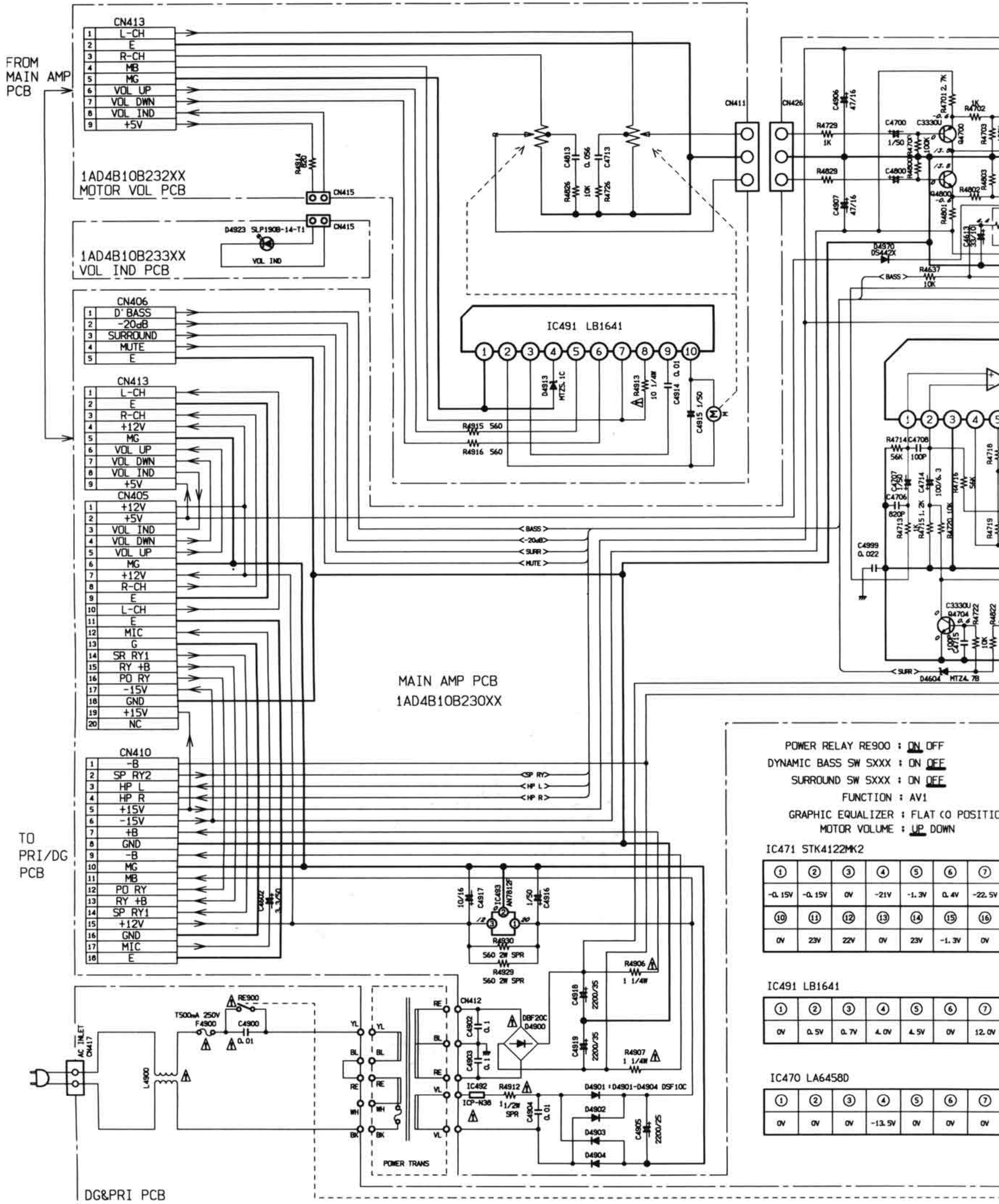
TO CD/TU SEC.

|    |           |
|----|-----------|
| 1  | CN        |
| 2  | CN        |
| 3  | CN        |
| 4  | GND       |
| 5  | +20V      |
| 6  | CN        |
| 7  | IR        |
| 8  | CT BUSY   |
| 9  | DECK AF   |
| 10 | DECK DUB. |
| 11 | CT CLK    |
| 12 | CT DATA   |
| 13 | E         |
| 14 | INPUT-L   |
| 15 | INPUT-R   |





# SCHEMATIC DIAGRAM (POWER AMPLIFIER)



POWER RELAY RE900 : ON OFF  
 DYNAMIC BASS SW SXXX : ON OFF  
 SURROUND SW SXXX : ON OFF  
 FUNCTION : AV1  
 GRAPHIC EQUALIZER : FLAT (0 POSITION)  
 MOTOR VOLUME : UP DOWN

IC471 STK4122MK2

|        |        |     |      |       |       |        |
|--------|--------|-----|------|-------|-------|--------|
| ①      | ②      | ③   | ④    | ⑤     | ⑥     | ⑦      |
| -0.15V | -0.15V | 0V  | -21V | -1.3V | 0.4V  | -22.5V |
| ⑩      | ⑪      | ⑫   | ⑬    | ⑭     | ⑮     | ⑯      |
| 0V     | 23V    | 22V | 0V   | 23V   | -1.3V | 0V     |

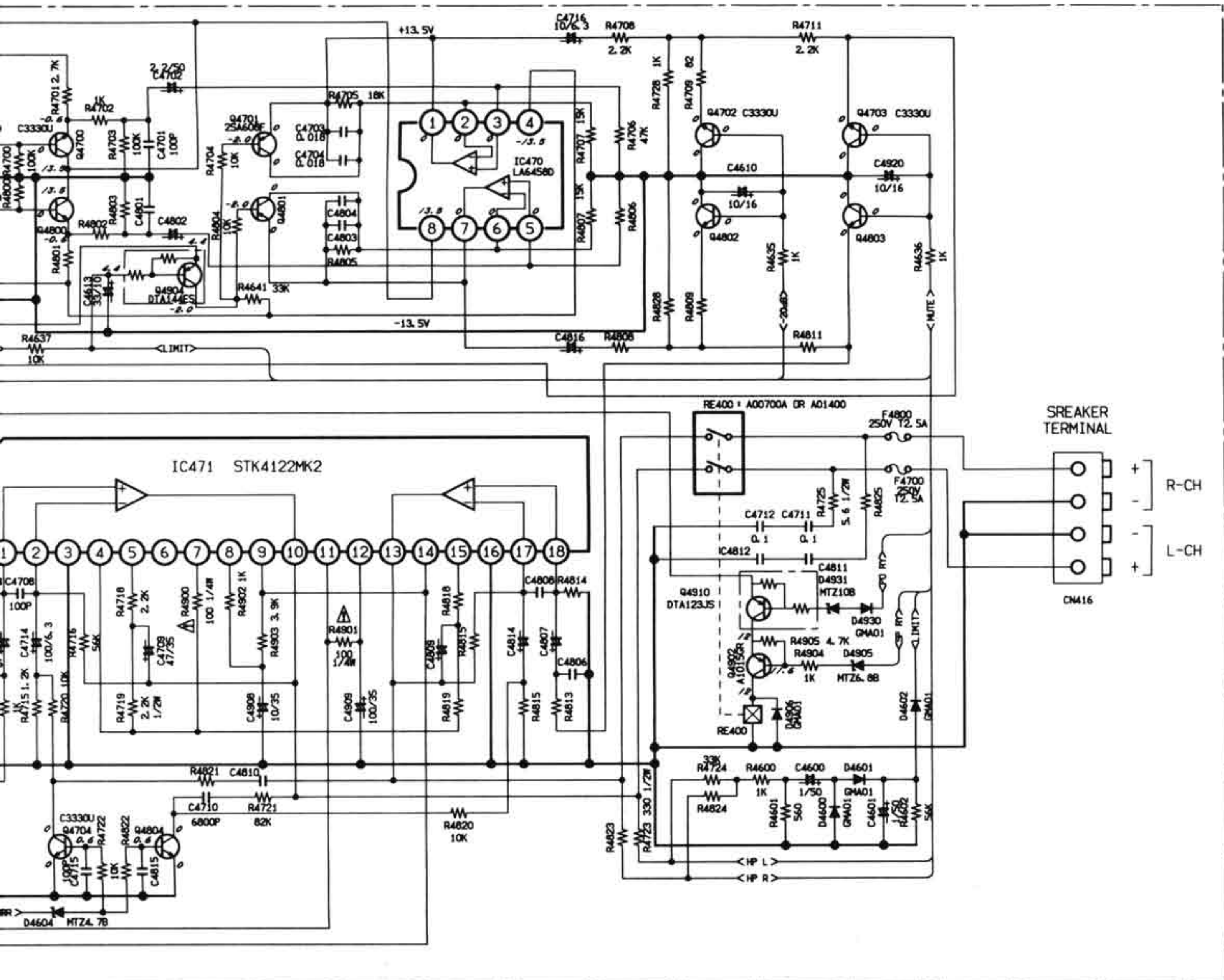
IC491 LB1641

|    |      |      |      |      |    |       |
|----|------|------|------|------|----|-------|
| ①  | ②    | ③    | ④    | ⑤    | ⑥  | ⑦     |
| 0V | 0.5V | 0.7V | 4.0V | 4.5V | 0V | 12.0V |

IC470 LA64580

|    |    |    |        |    |    |    |
|----|----|----|--------|----|----|----|
| ①  | ②  | ③  | ④      | ⑤  | ⑥  | ⑦  |
| 0V | 0V | 0V | -13.5V | 0V | 0V | 0V |



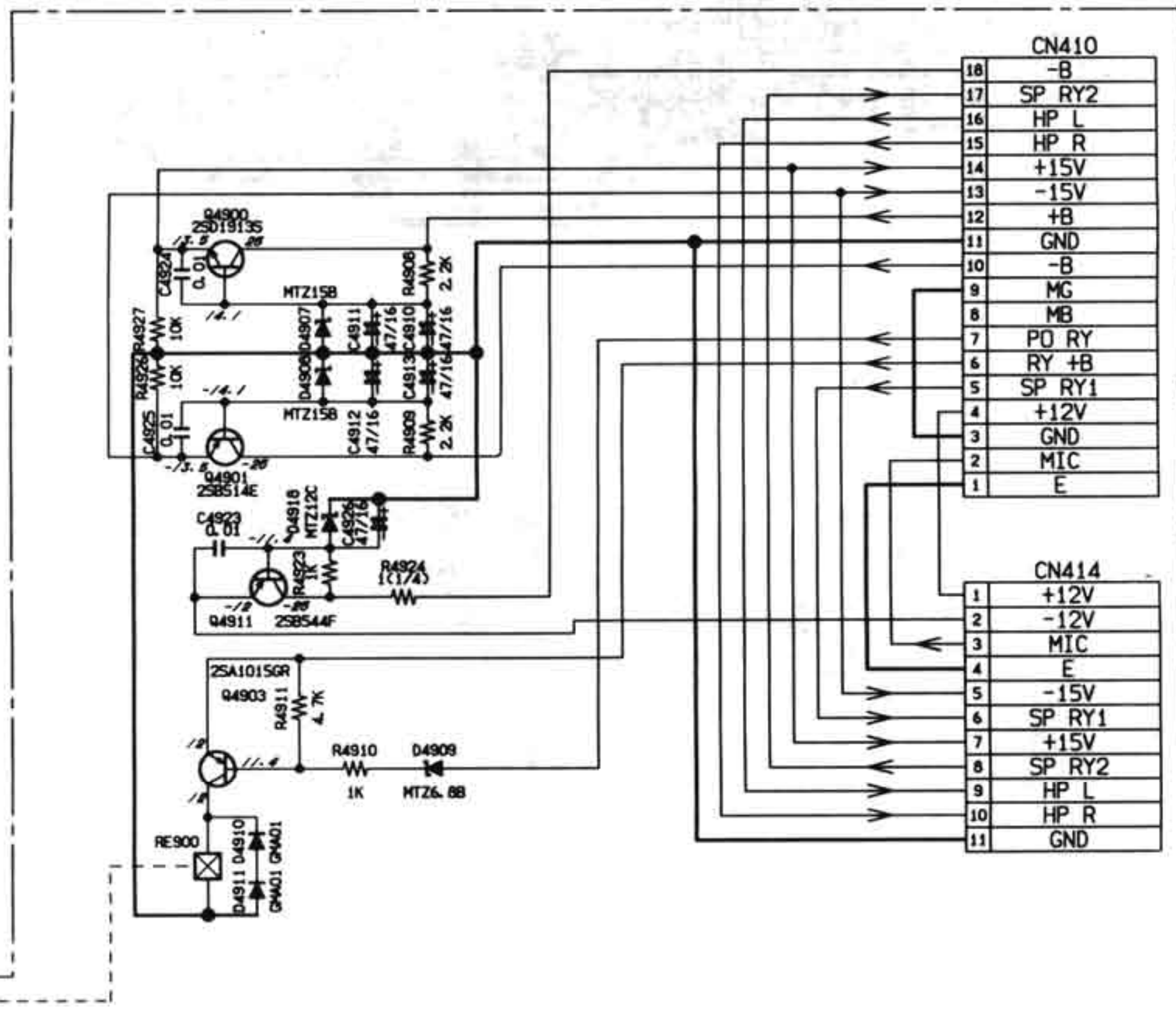


ON OFF  
 ON OFF  
 ON OFF  
 AV1  
 FLAT (0 POSITION)  
 UP DOWN

|       |      |        |      |      |
|-------|------|--------|------|------|
| 5     | 6    | 7      | 8    | 9    |
| -1.3V | 0.4V | -22.5V | -23V | -23V |

|      |    |       |       |      |      |
|------|----|-------|-------|------|------|
| 5    | 6  | 7     | 8     | 9    | 10   |
| 4.5V | 0V | 12.0V | 12.0V | 0.7V | 0.5V |

|    |    |    |       |
|----|----|----|-------|
| 5  | 6  | 7  | 8     |
| 0V | 0V | 0V | 13.5V |

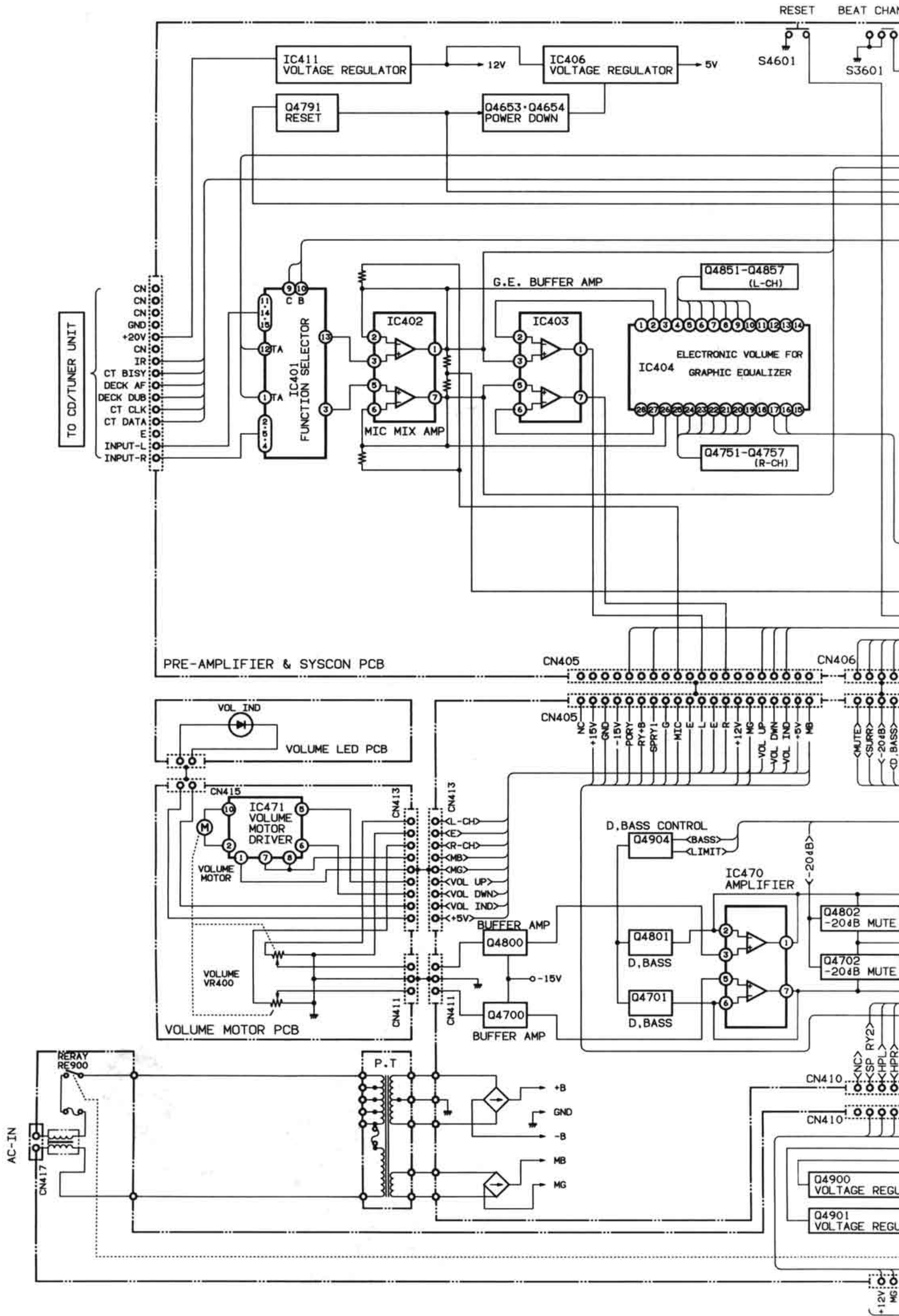


TO MAIN AMP PCB

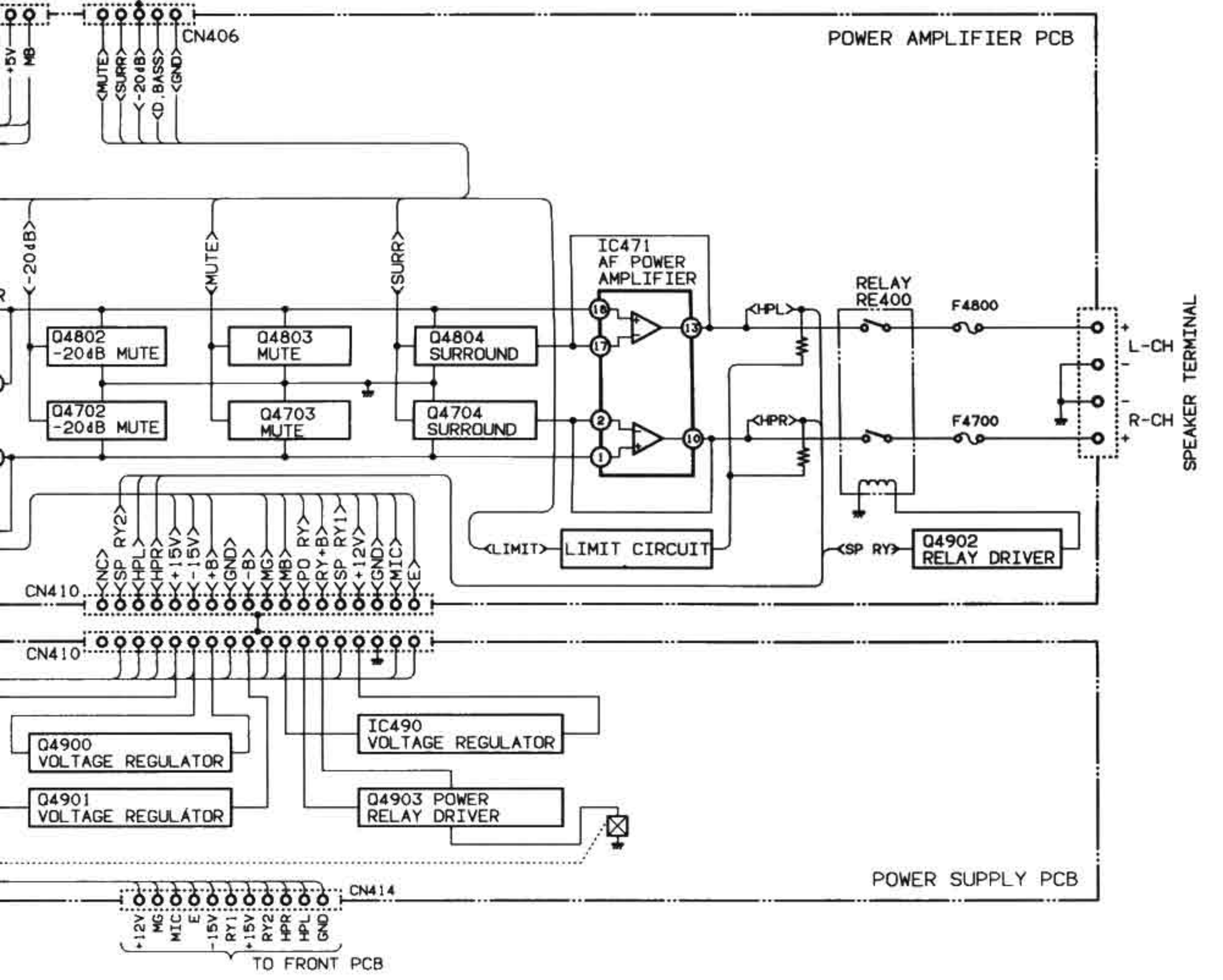
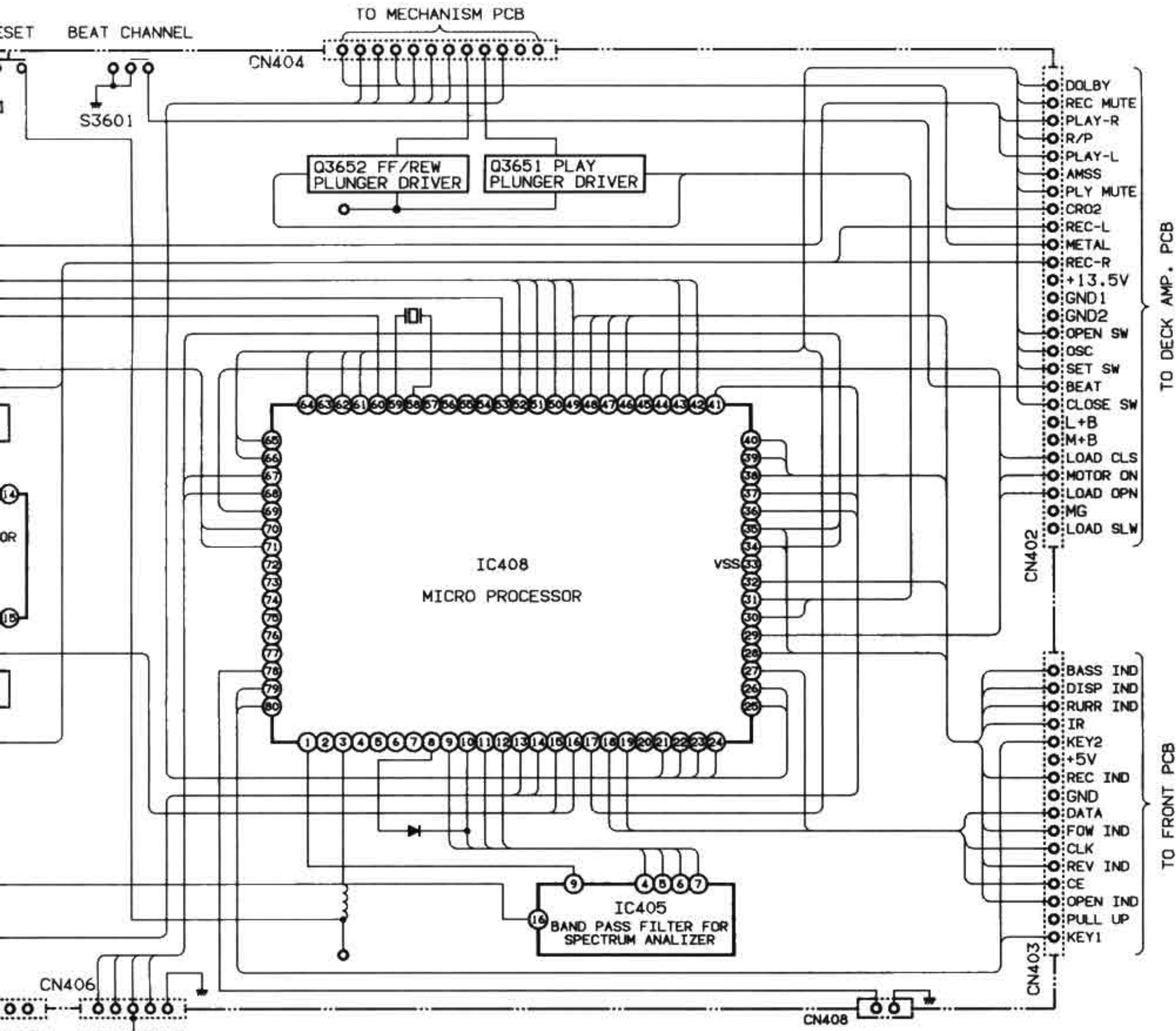
TO FRONT PCB



# BLOCK DIAGRAM (SYSCON & AMPLIFIER)

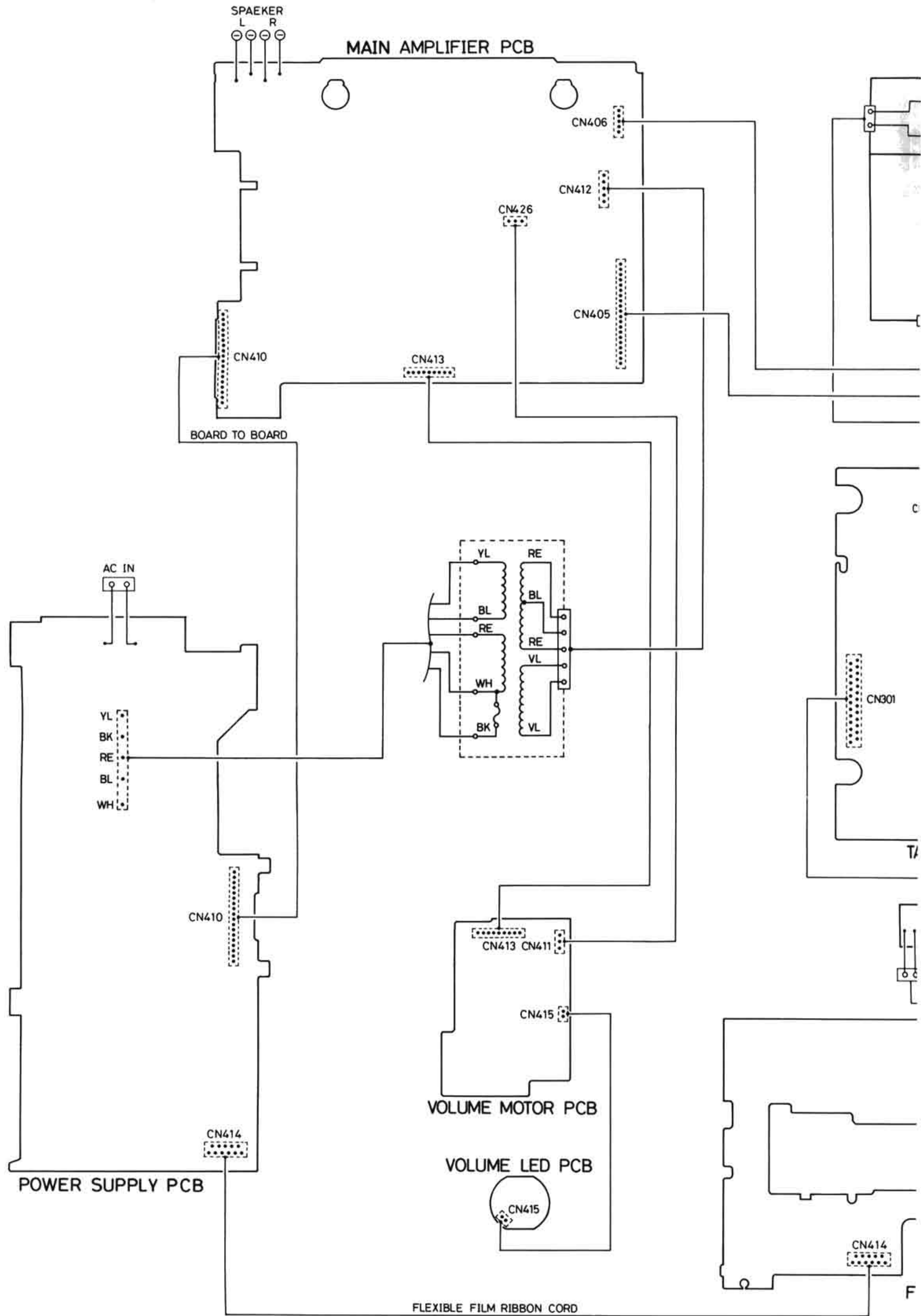






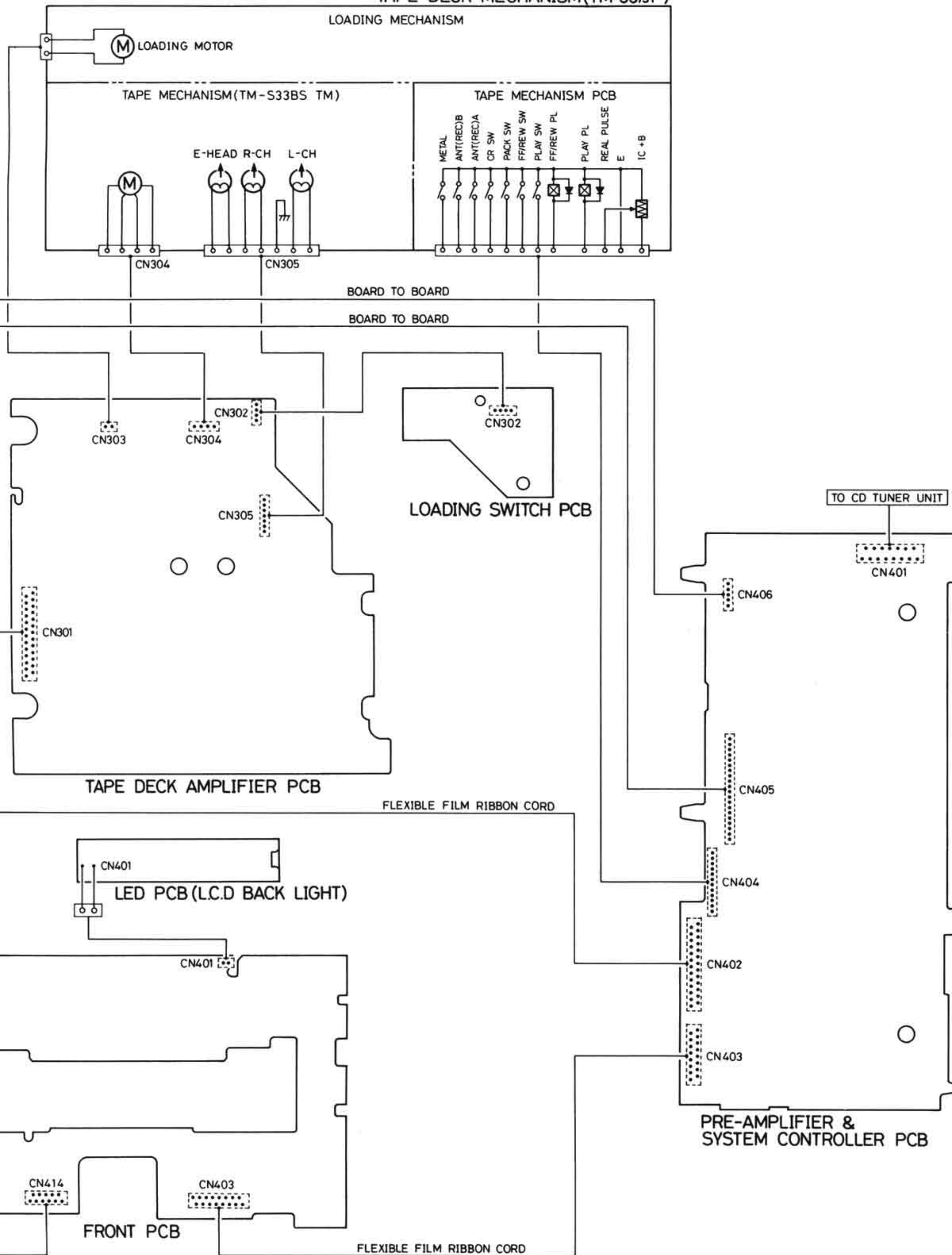


# WIRING CONNECTION (TAPE DECK / AMPLIFIER UNIT)





# TAPE DECK MECHANISM(TM-33/JP)





# SCHEMATIC DIAGRAM (FRONT)

