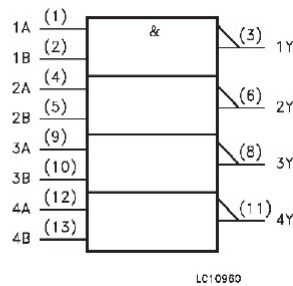
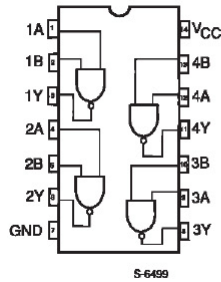
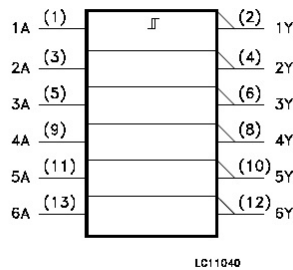
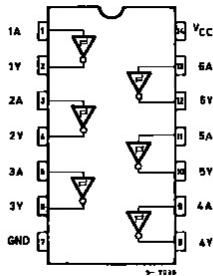


# 8. Internal Block Diagram of ICs

## ● 74HC00

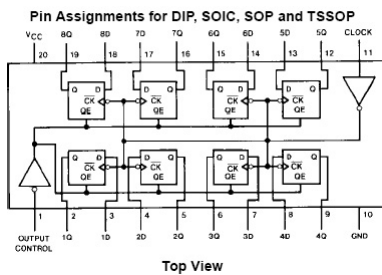


## ● 74HC14



## ● 74HC374

### Connection Diagram



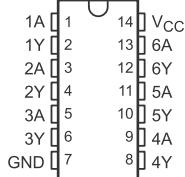
### Truth Table

Output Control	Clock	Data	Output
L	↑	H	H
L	↑	L	L
L	L	X	Q <sub>0</sub>
H	X	X	Z

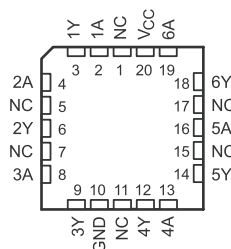
H = HIGH Level  
 L = LOW Level  
 X = Don't Care  
 ↑ = Transition from LOW-to-HIGH  
 Z = High Impedance State  
 Q<sub>0</sub> = The level of the output before steady state input conditions were established

## ● 74HCU04

SN54HCU04... J OR W PACKAGE  
 SN74HCU04... D, DB, N, NS, OR PW PACKAGE  
 (TOP VIEW)

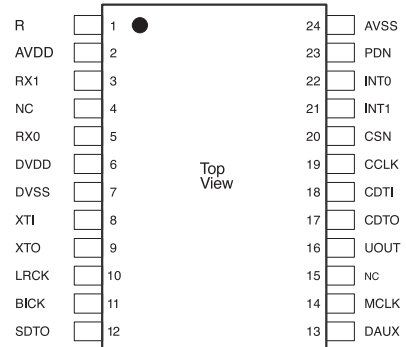
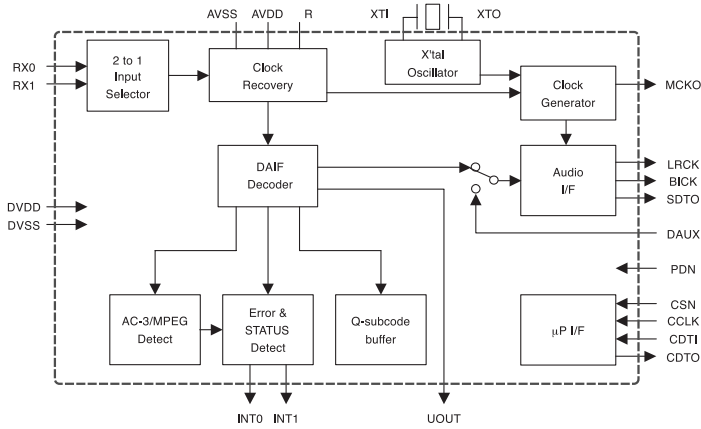


SN54HCU04... FK PACKAGE  
 (TOP VIEW)

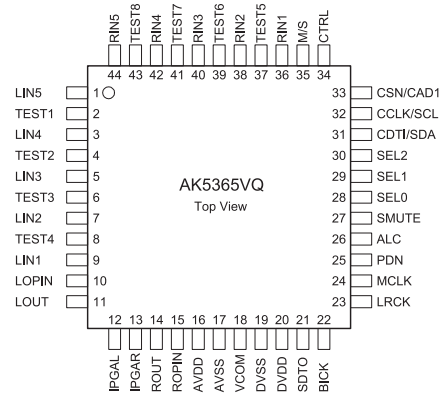
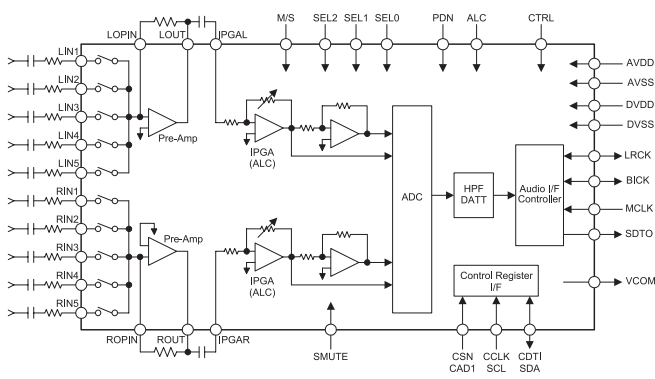


# 8. Internal Block Diagram of ICs

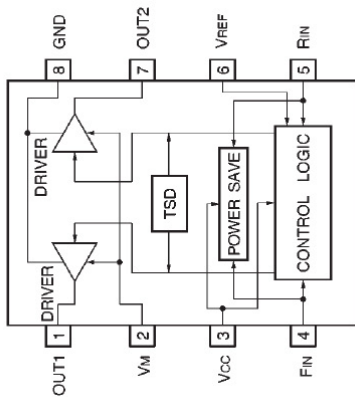
## ● AK4117



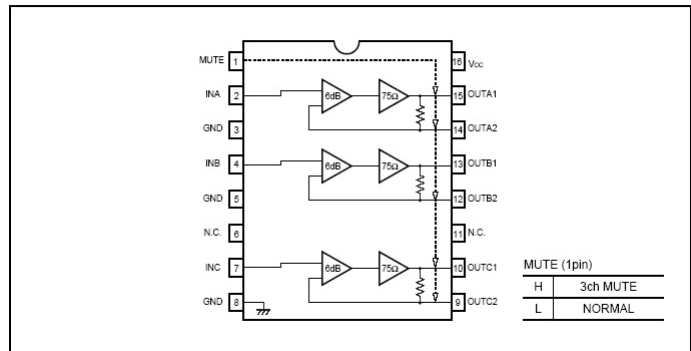
## ● AK5365



## ● BA6287F



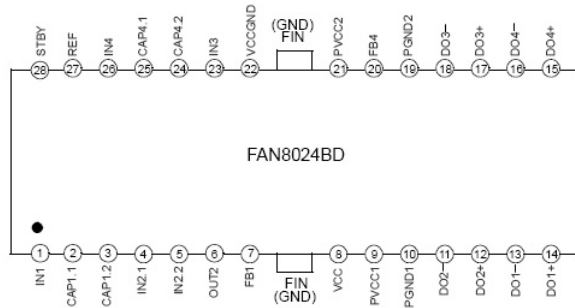
## ● BA7660FS



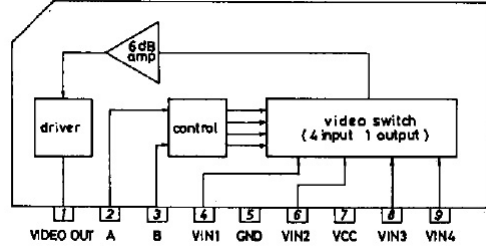


# 8. Internal Block Diagram of ICs

## ● FAN8024DB

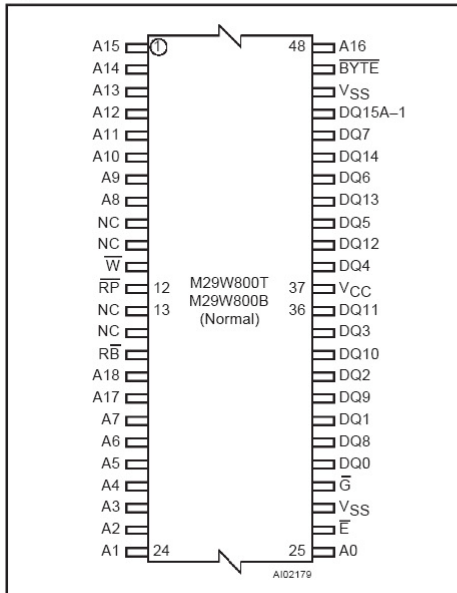


## ● LA7952



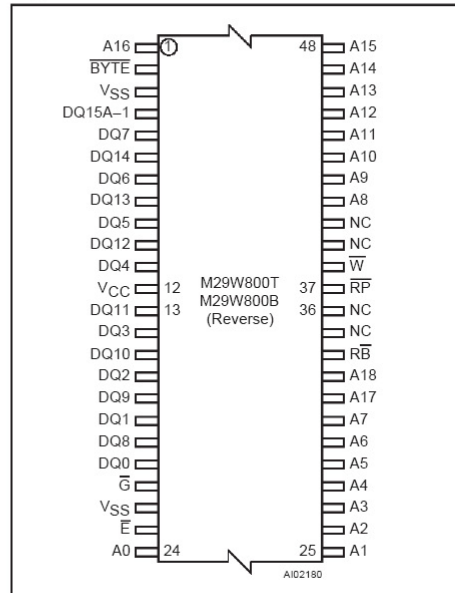
## ● M29W800DB

Figure 2A. TSOP Pin Connections



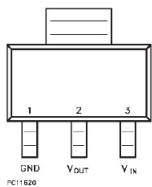
Warning: NC = Not Connected.

Figure 2B. TSOP Reverse Pin Connections

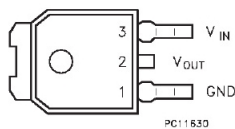


Warning: NC = Not Connected.

## ● LD1117A



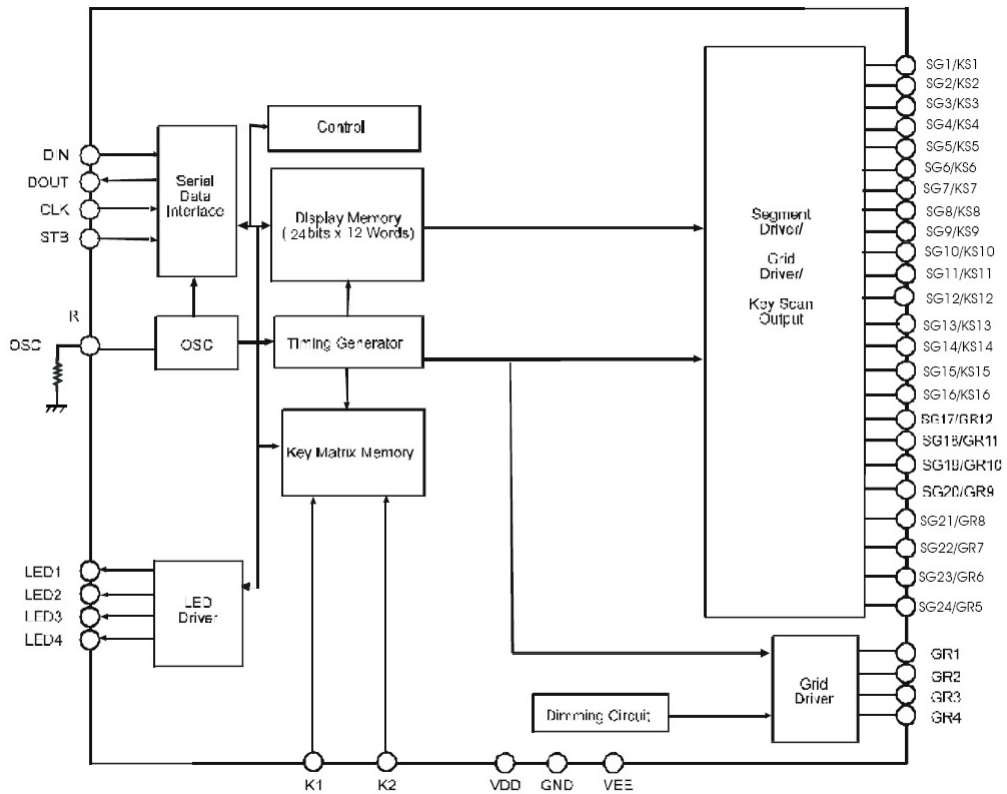
SOT-223



DPAK

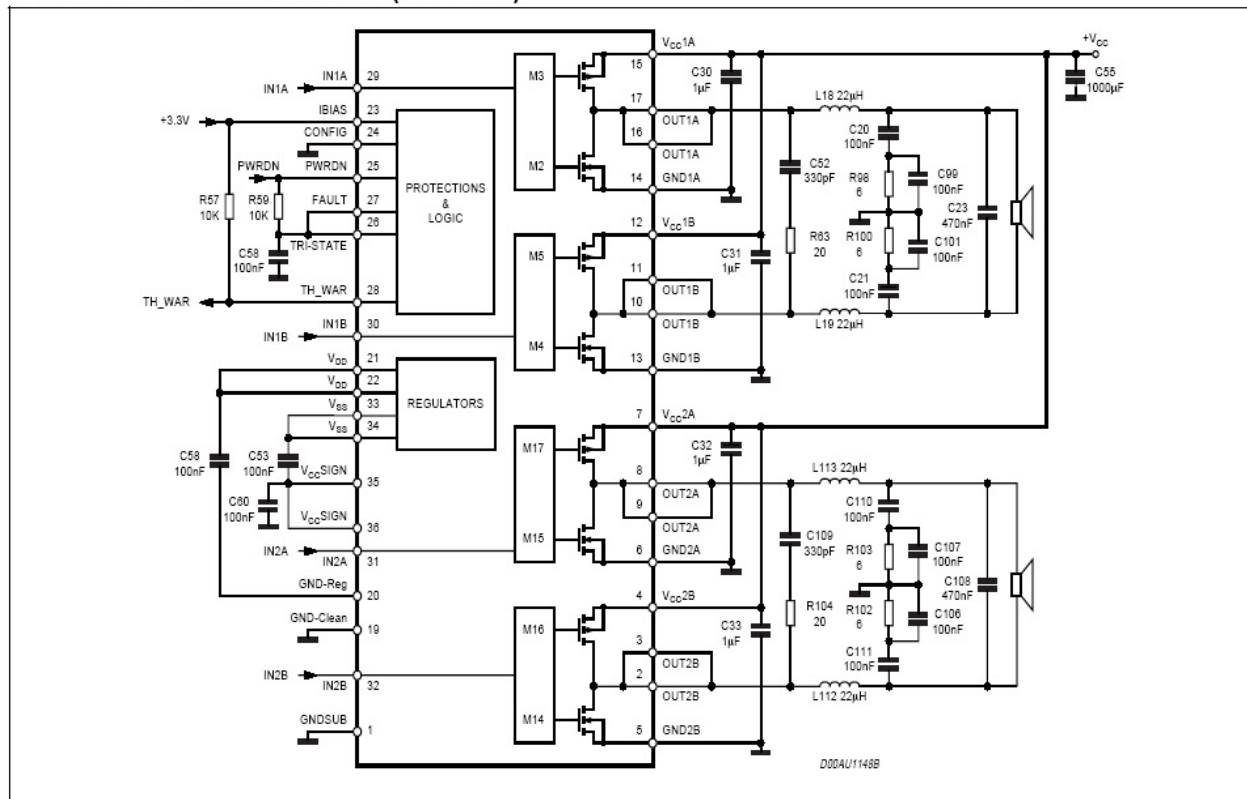
# 8. Internal Block Diagram of ICs

## ● PT6315



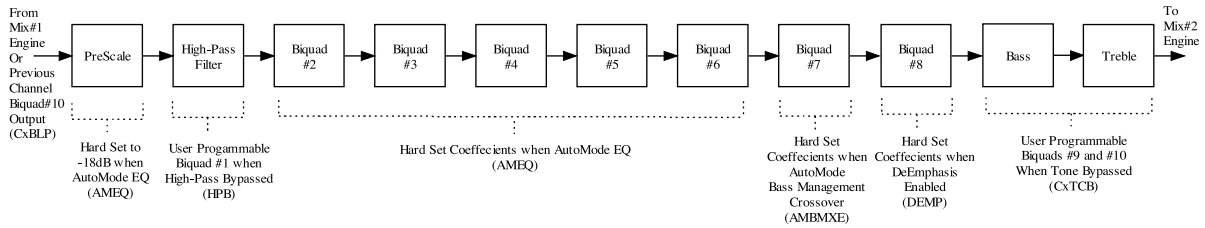
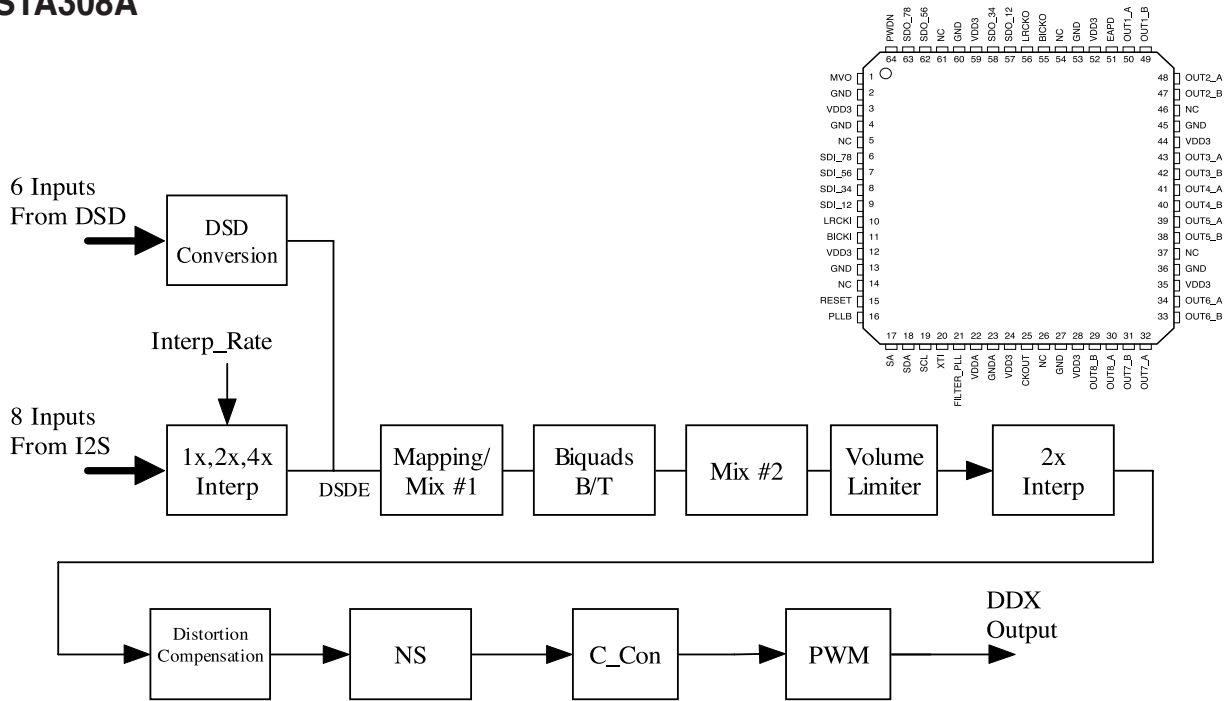
## ● STA505

### AUDIO APPLICATION CIRCUIT (Dual BTL)



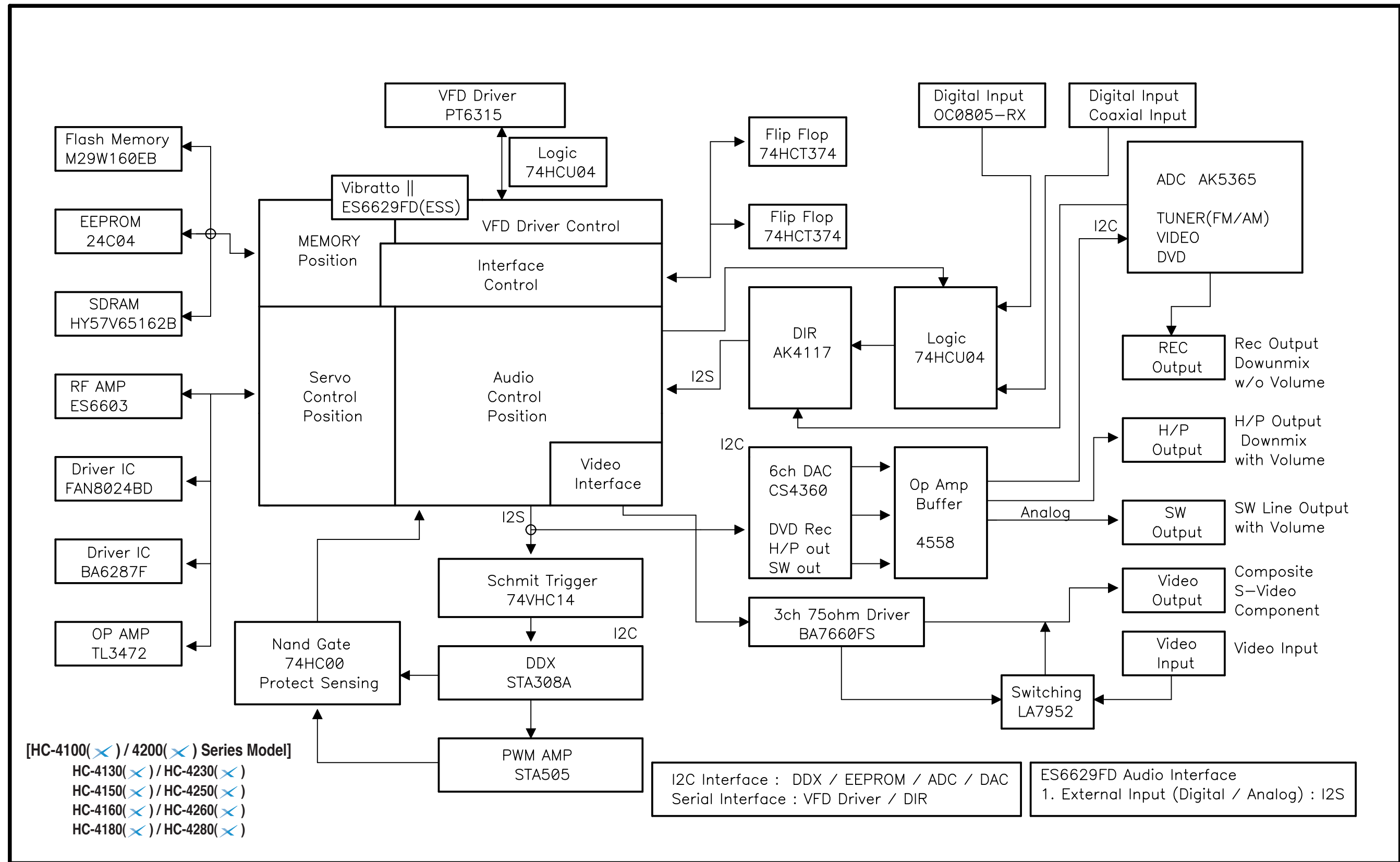
# 8. Internal Block Diagram of ICs

## ● STA308A



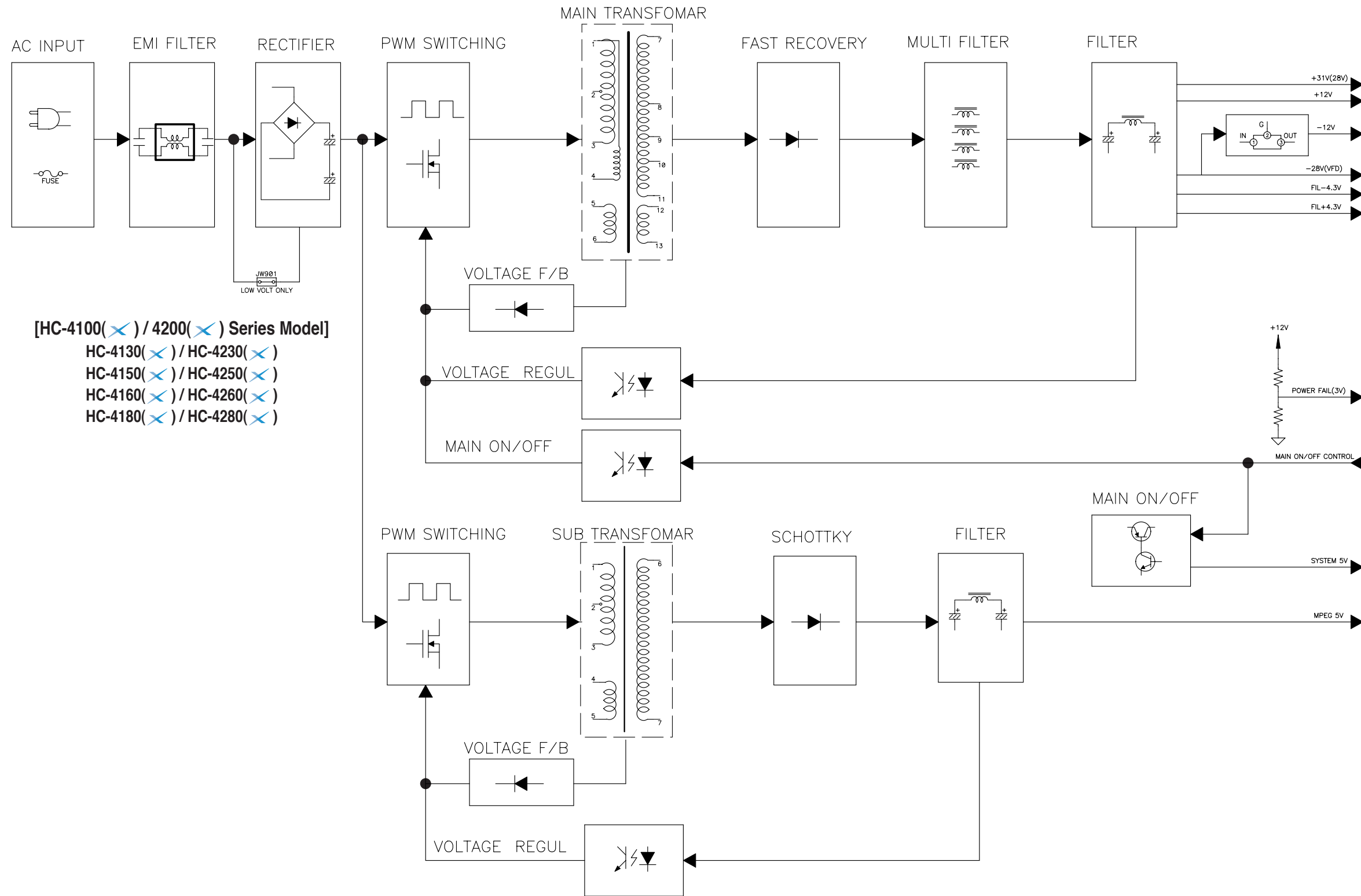
# 9. Block Diagram

## • Main Block



# 9. Block Diagram

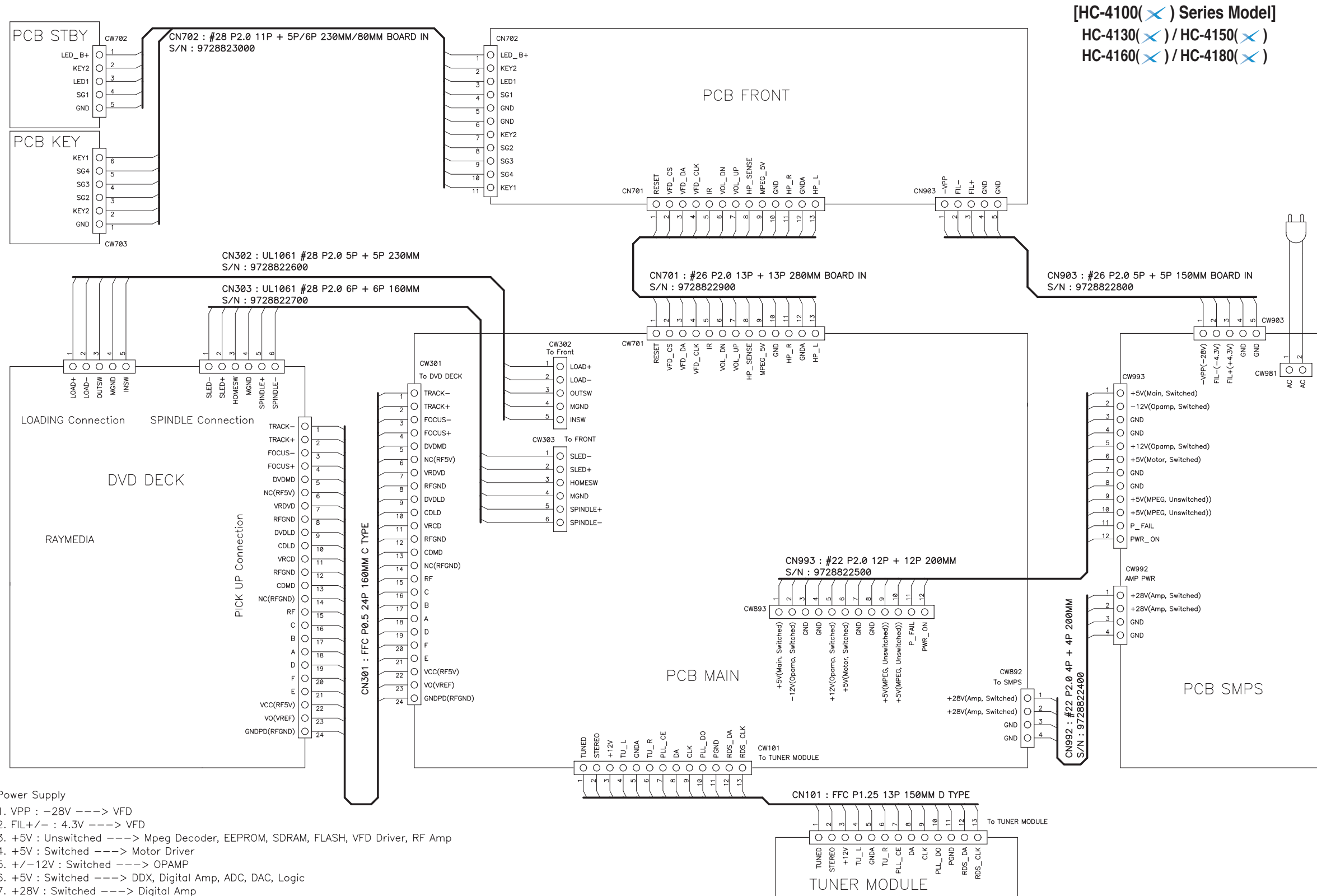
## • SMPS Block





# 10. Wiring Diagram

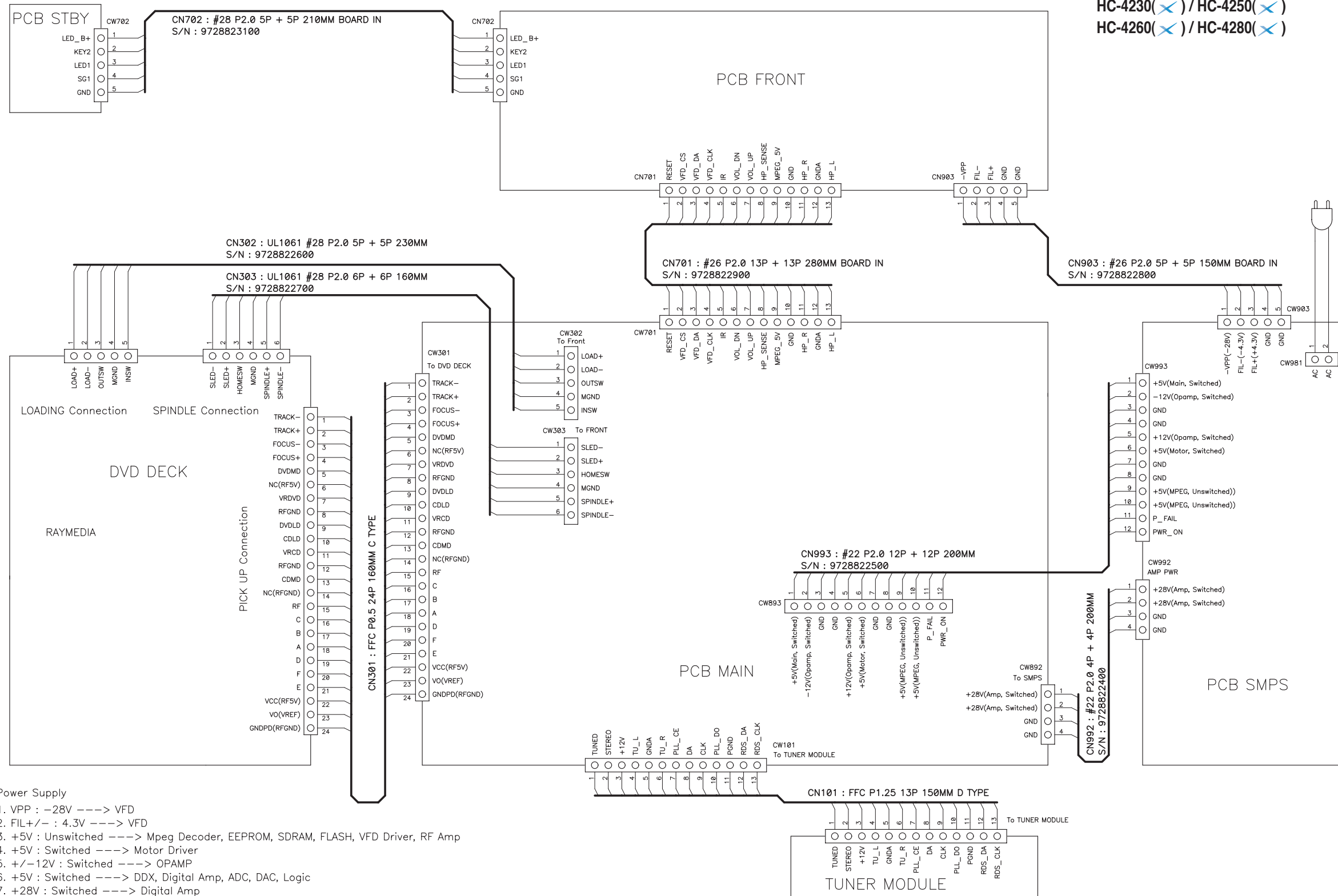
• [HC-4100(✕) Series Only]



# 10. Wiring Diagram

• [HC-4200(✕) Series Only]

[HC-4200(✕) Series Model]  
 HC-4230(✕) / HC-4250(✕)  
 HC-4260(✕) / HC-4280(✕)





# 11. Schematic Diagram

## • DVD RF Section

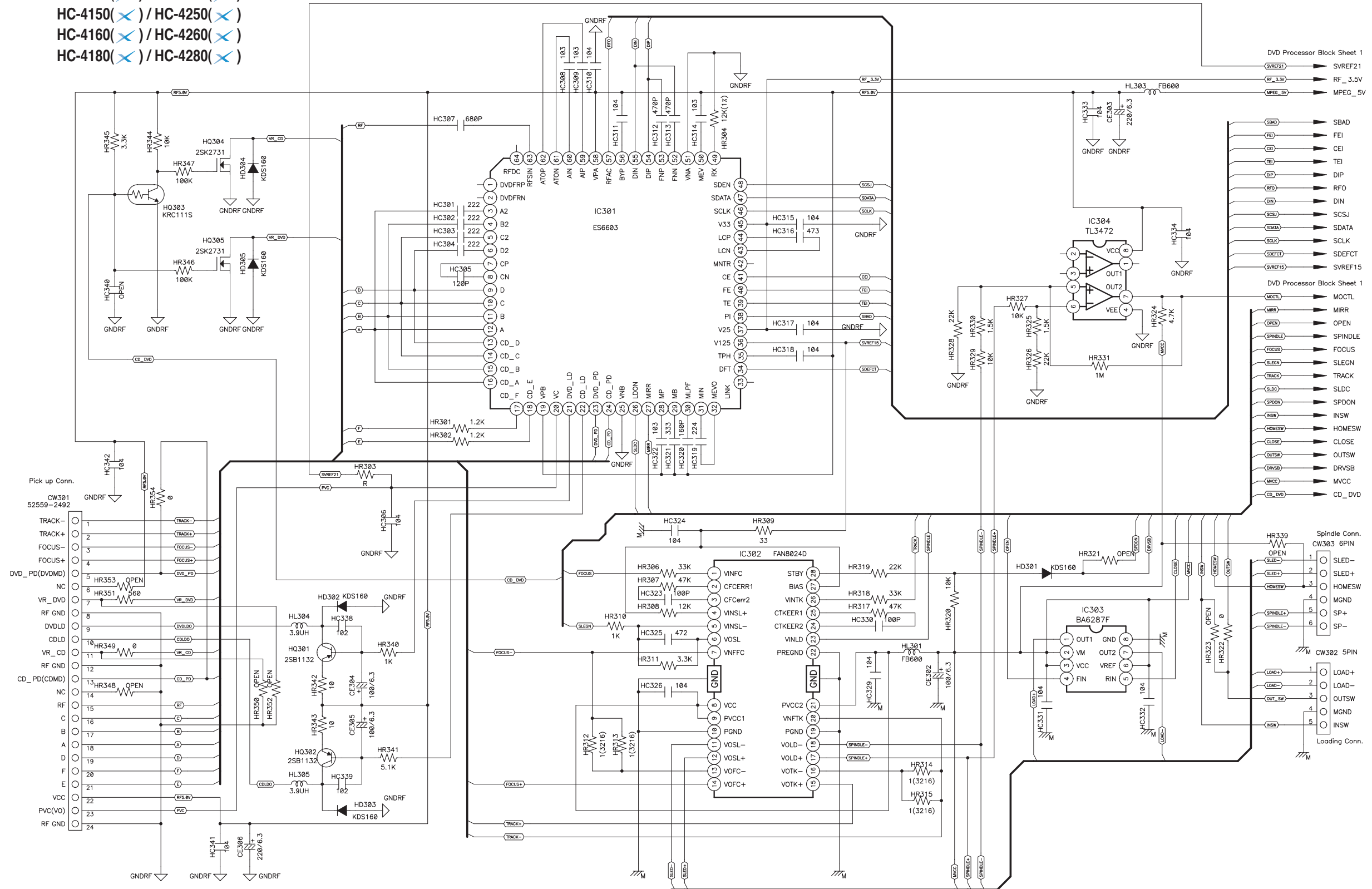
[HC-4100(✕) / 4200(✕) Series Model]

HC-4130(✕) / HC-4230(✕)

HC-4150(✕) / HC-4250(✕)

HC-4160(✕) / HC-4260(✕)

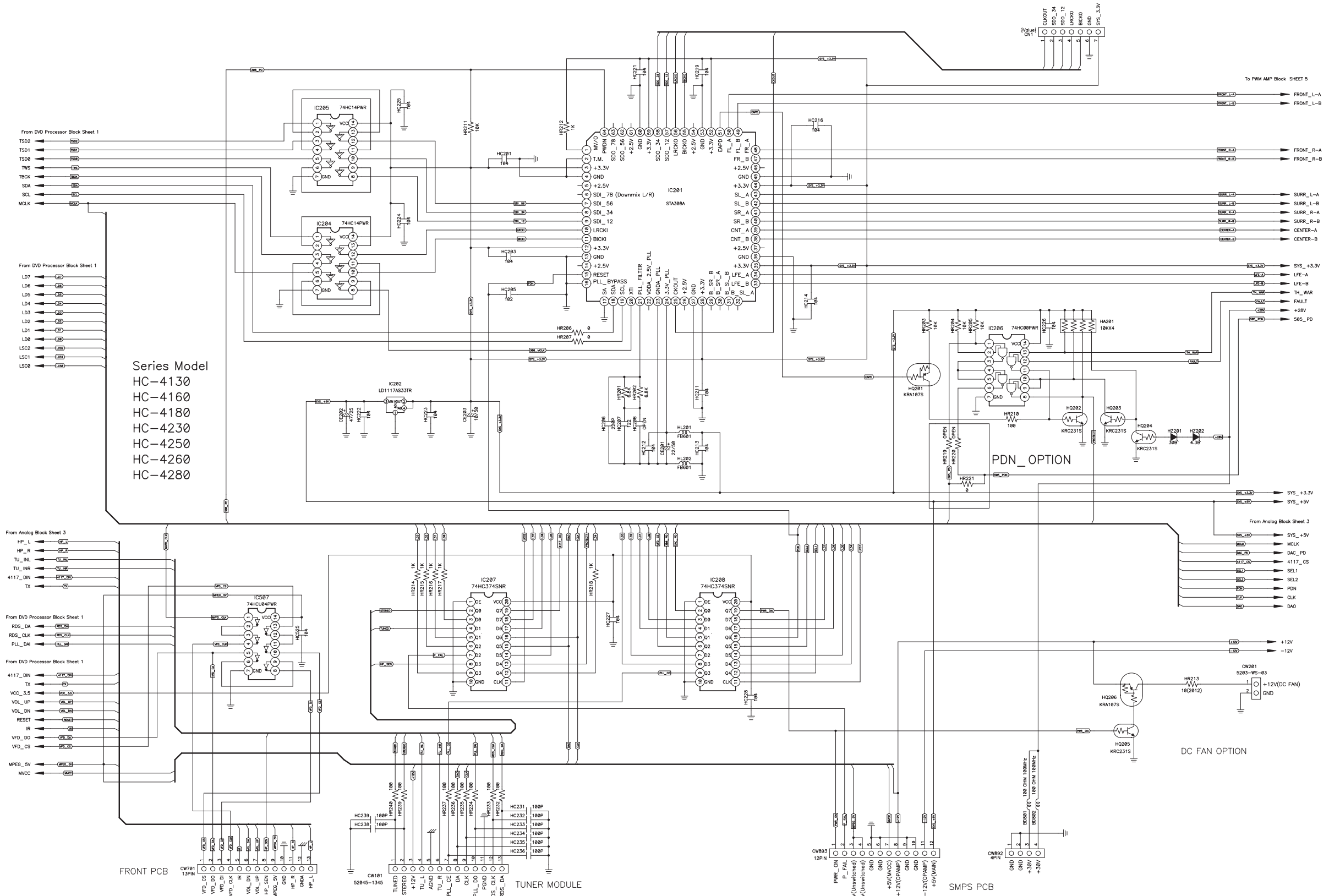
HC-4180(✕) / HC-4280(✕)





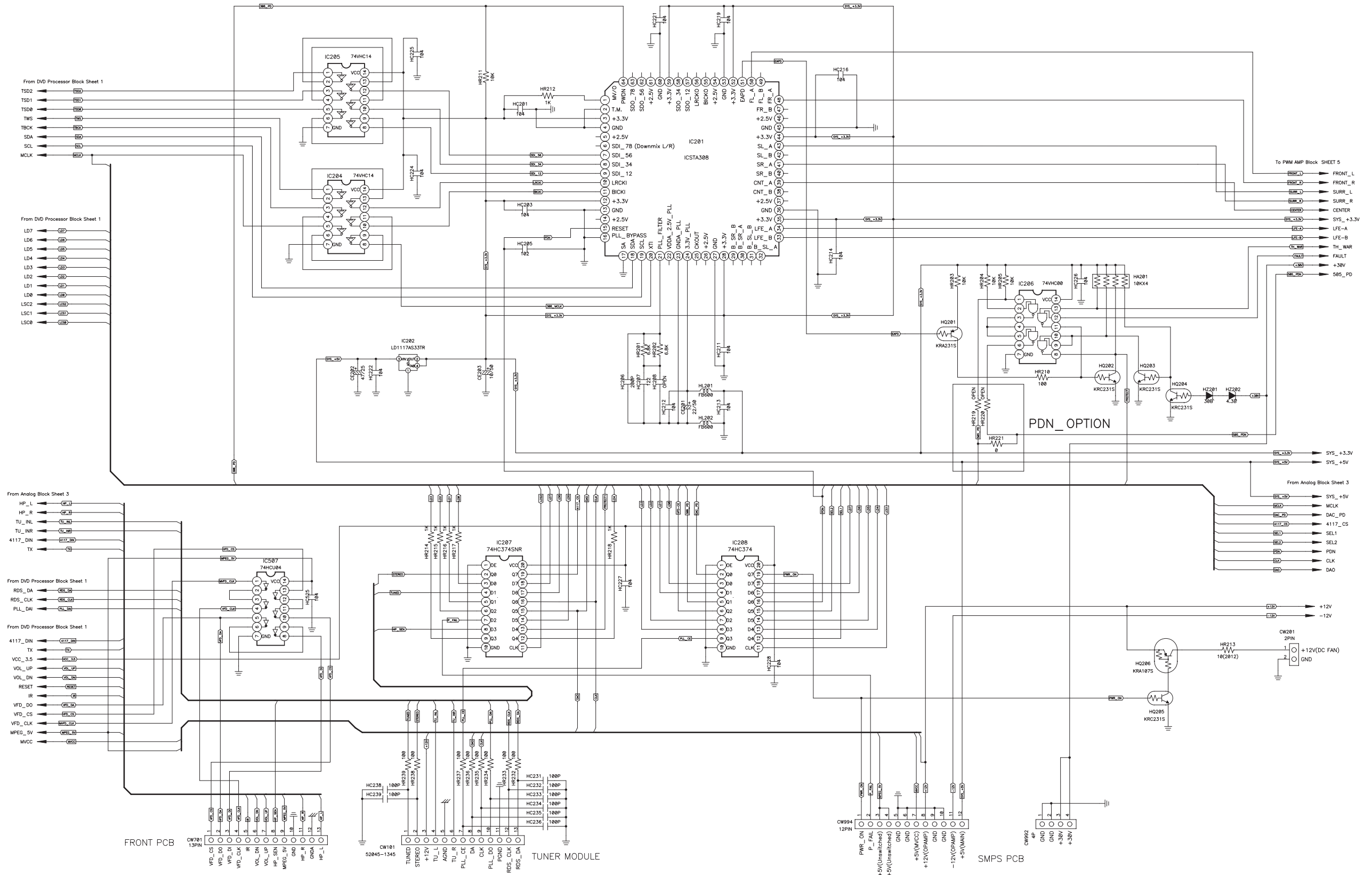
# 11. Schematic Diagram

● DDX Section [HC-4150(✕) / 4160(✕) / 4180(✕) / 4250(✕) / 4260(✕) / 4280(✕) Only]



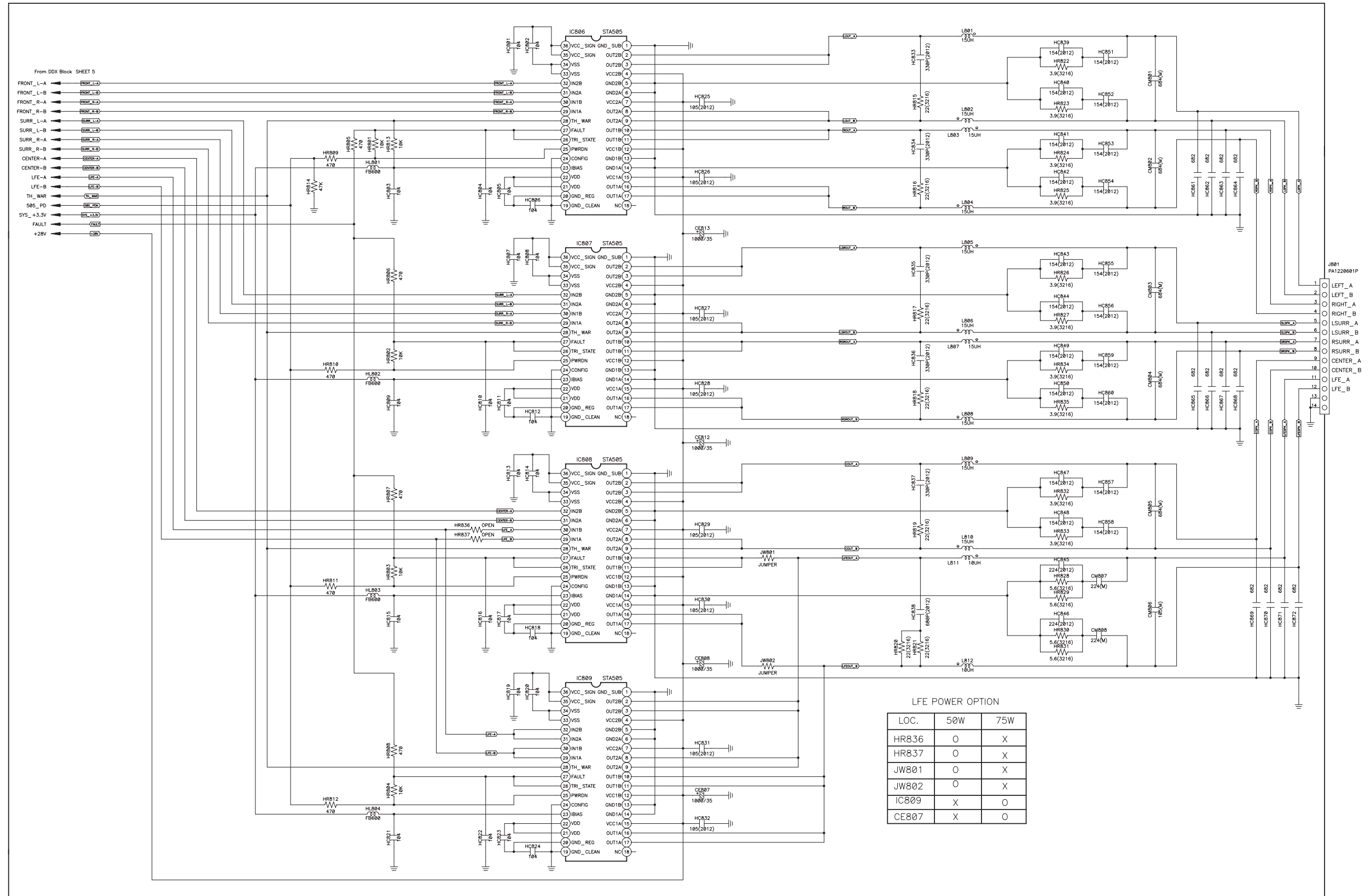
# 11. Schematic Diagram

• DDX Section [HC-4130(✕) / 4230(✕) Only]



# 11. Schematic Diagram

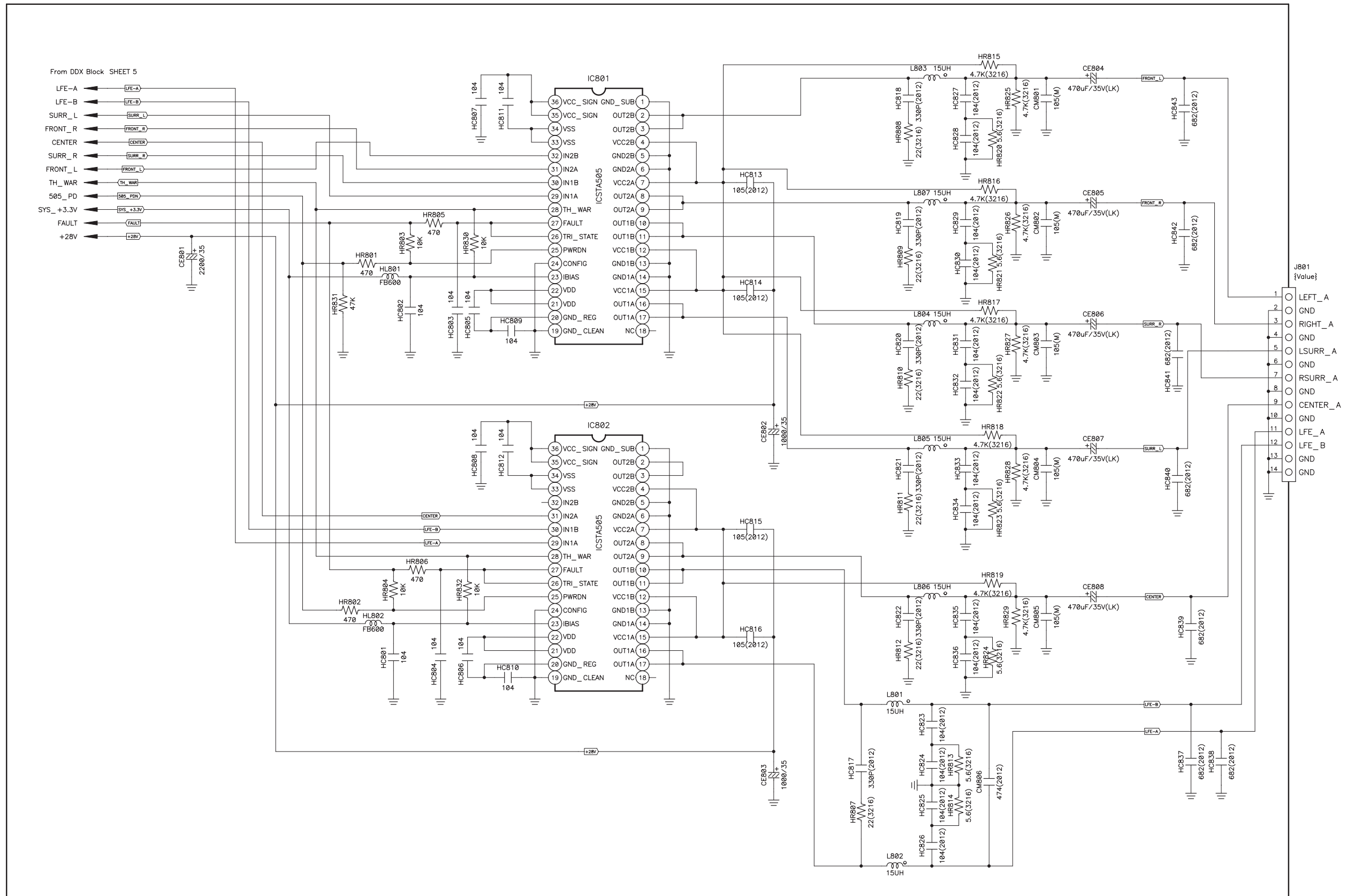
● PWM Amp. Section [HC-4150(✕) / 4160(✕) / 4180(✕) / 4250(✕) / 4260(✕) / 4280(✕) Only]





# 11. Schematic Diagram

## • PWM Amp. Section [HC-4130(✕) / 4230(✕) Only]



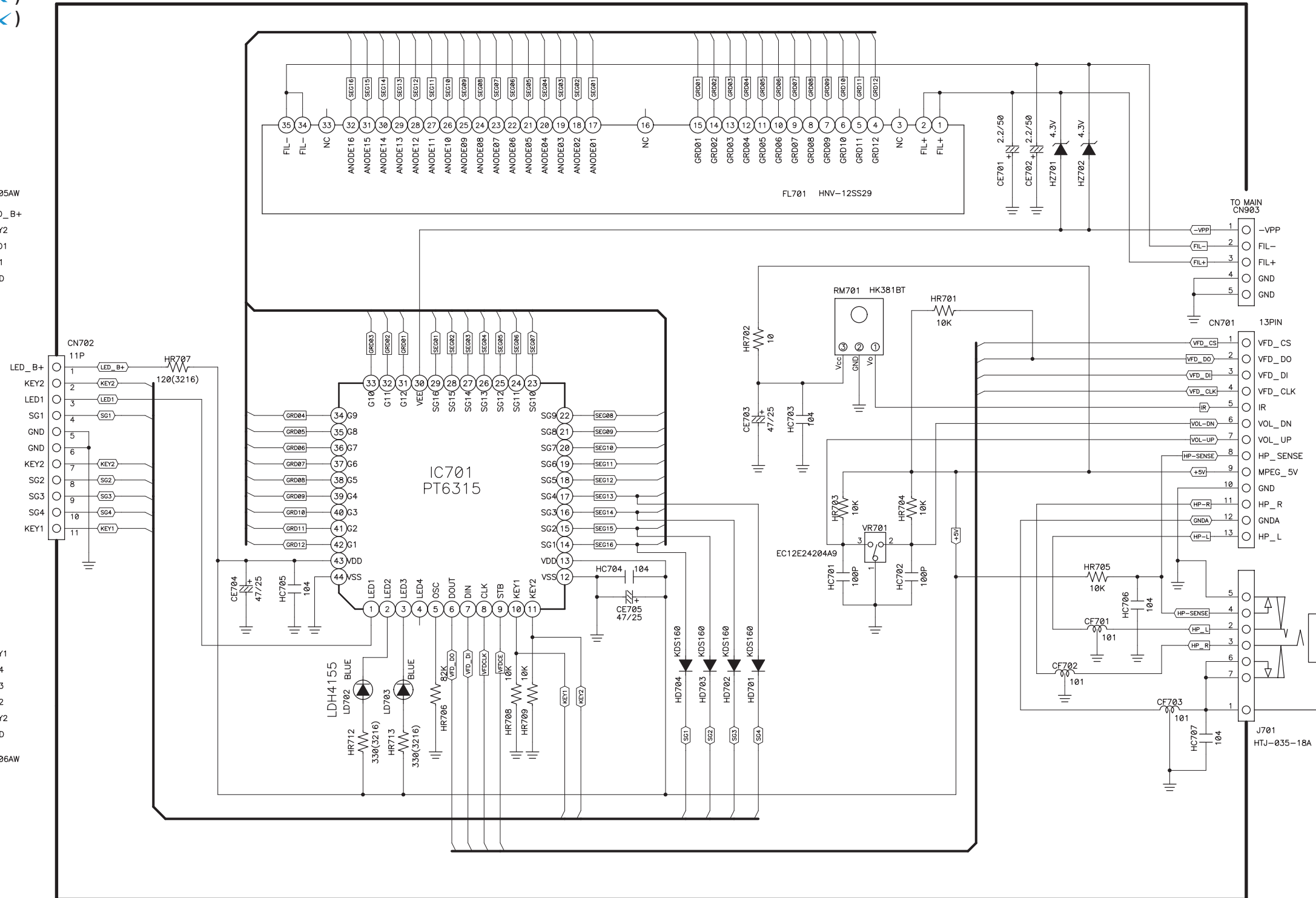
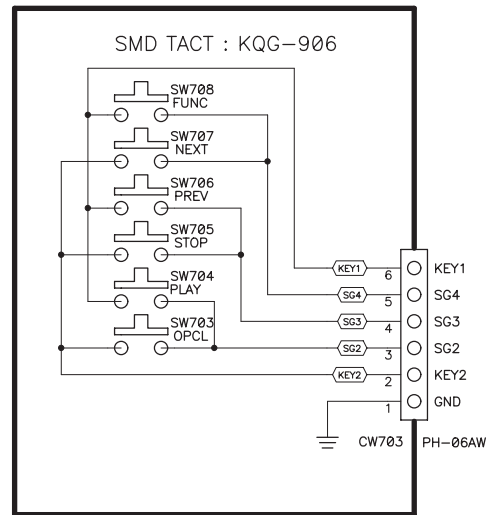
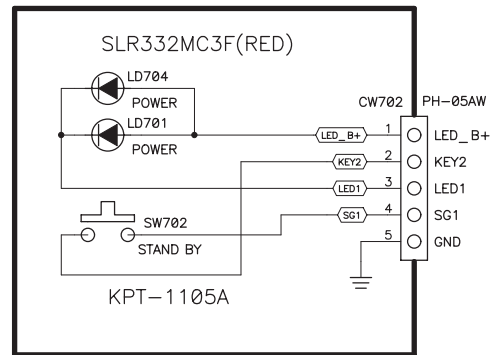
# 11. Schematic Diagram

## ● Front Section [HC-4100(×) Series Only]

[HC-4100(×) Series Model]

HC-4130(×) / HC-4150(×)

HC-4160(×) / HC-4180(×)

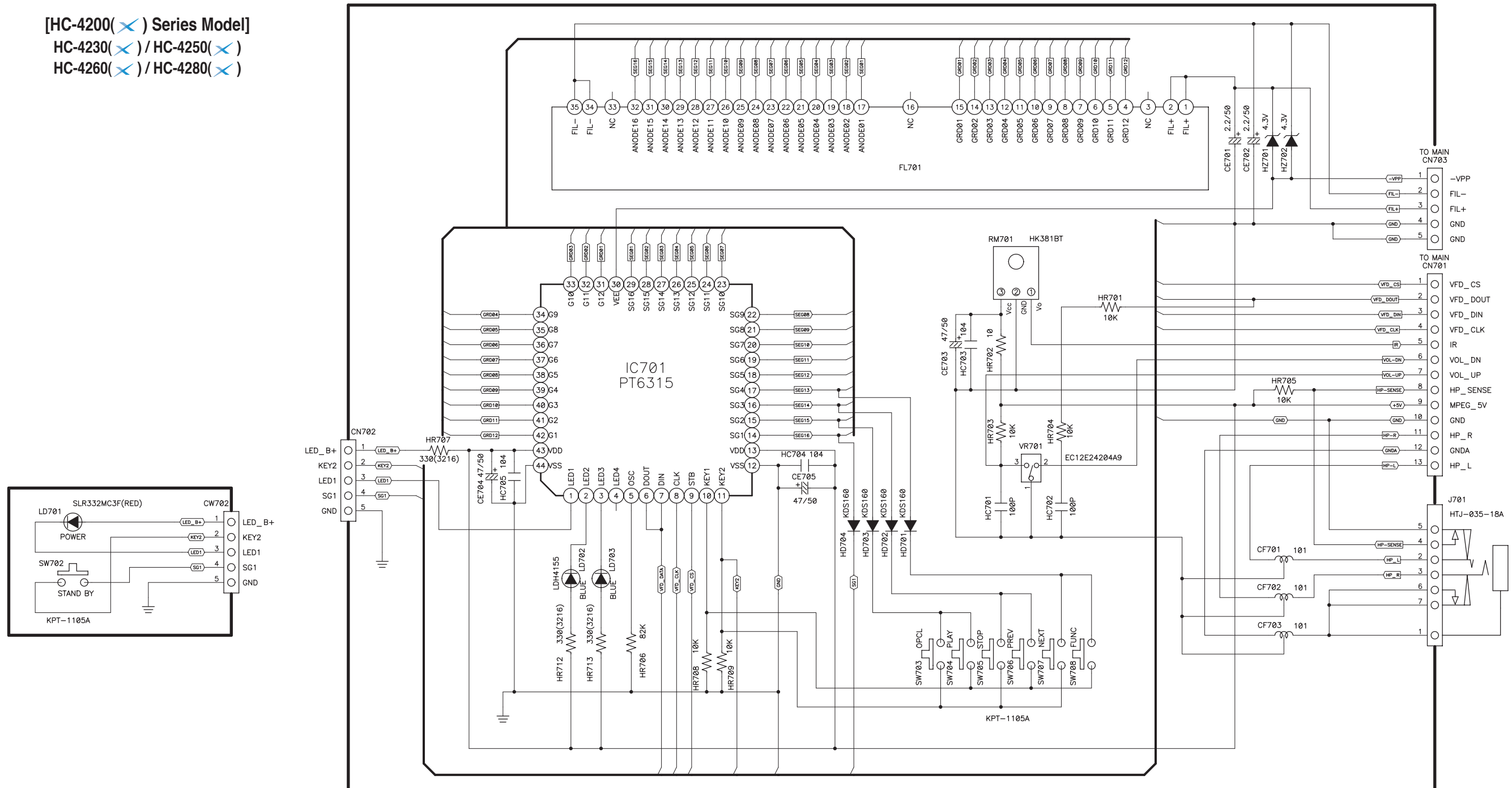


Series Model  
 HC-4130  
 HC-4160  
 HC-4180

# 11. Schematic Diagram

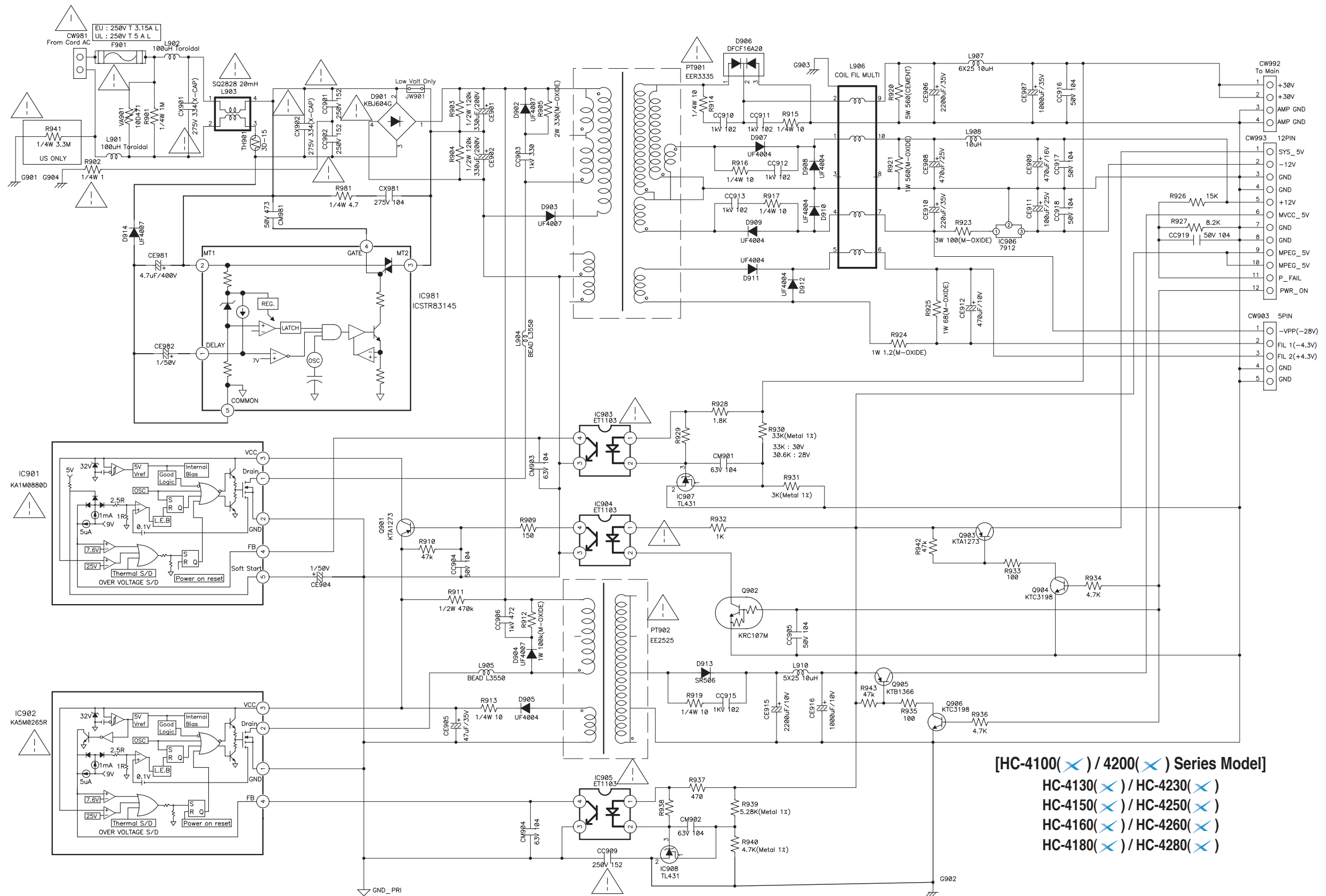
## ● Front Section [HC-4200(✕) Series Only]

[HC-4200(✕) Series Model]  
 HC-4230(✕) / HC-4250(✕)  
 HC-4260(✕) / HC-4280(✕)



# 11. Schematic Diagram

## • SMPS Section



[HC-4100(×) / 4200(×) Series Model]  
 HC-4130(×) / HC-4230(×)  
 HC-4150(×) / HC-4250(×)  
 HC-4160(×) / HC-4260(×)  
 HC-4180(×) / HC-4280(×)