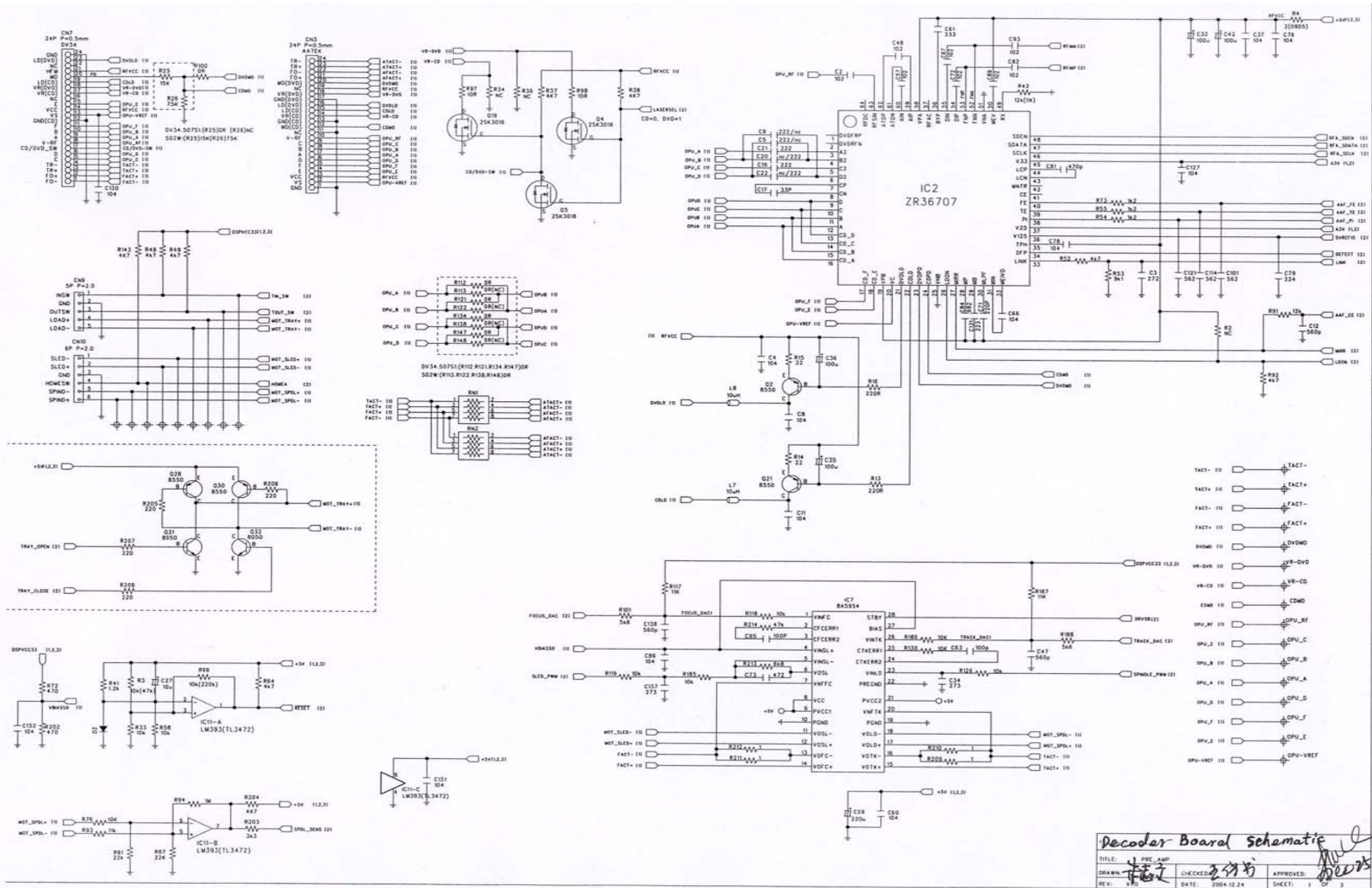


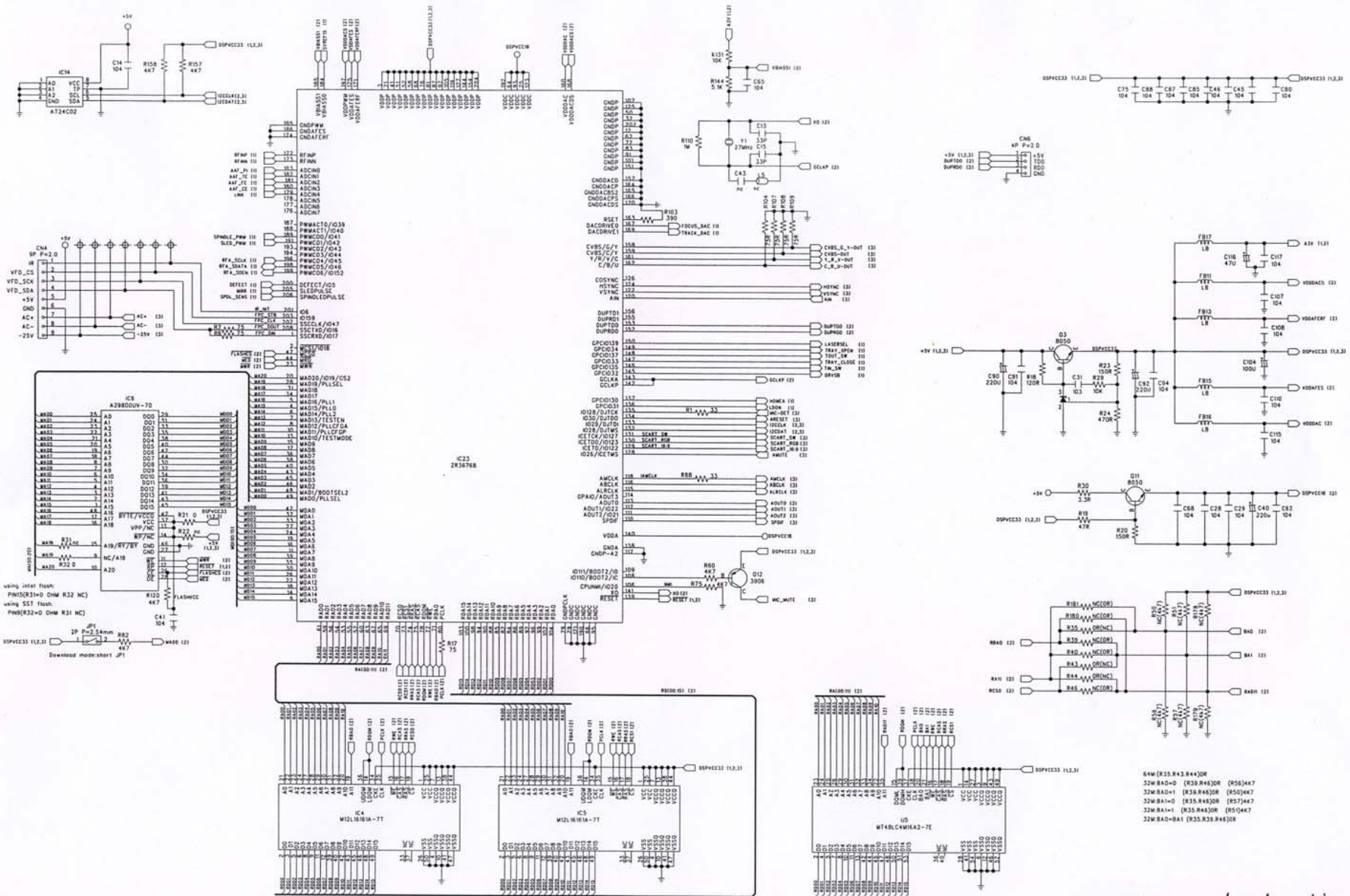
DVD SERVICE MANUAL

一、Normal problem

Item	Defects	Description	Solution	Remark
1	No display in VFD screen	Decoder can't work	Check working voltage for decoder (If power supply is normal? or else, pls analyze other reason)	for all kinds of decoder
2	Some errors in opening disc tray(such as the tray can't open, open slowly or open with quiver)	Loader damaged	change loader	only can replace by the same solution
3	Can't read the disc. (Such as regional disc, CD , VCD, DVD, MP3)	Loader can't work.	change 24 pin flat horizontal line.	
4	Some error in VFD display (excessive line, lack of line, dark line)	VFD screen damaged	change VFD screen	
5	Remote control does not work well (no control, low sensitivity, angle and direction deflect)	Receiver damaged	Change DVD receiver, change remote control	
6	No function by press key	IC CS16312 error	Change CS16312	
7	MIC has no sound	Potentiometer of Font PCB board damaged	Change potentiometer	
8	RGB has no picture	Problems on decoder	RGB line loosen, must firm it or change it.	
9	YUV distortion	YUV line open	Line loosed, need firm it or change it	
10	5.1ch has no sound	Decoder \pm 12V power supply lines open	Change power supply lines	

二、Decoder board Circuit Graph





Decoder Board Schematic

TITLE: MPEC

DRAWN: [Signature]

CHECKED: [Signature]

APPROVED: [Signature]

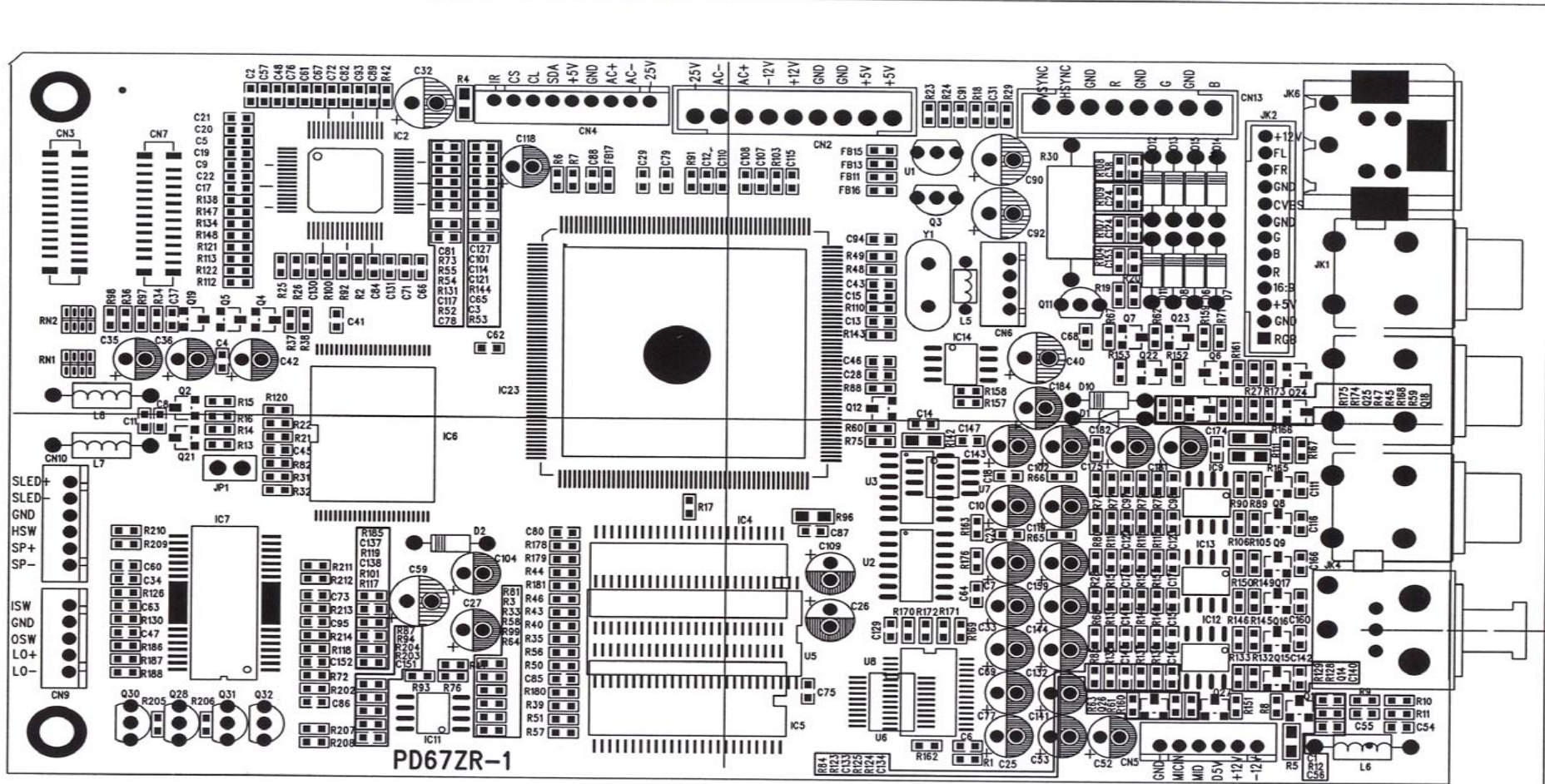
DATE: 01/01/2011

SCALE: 1:1

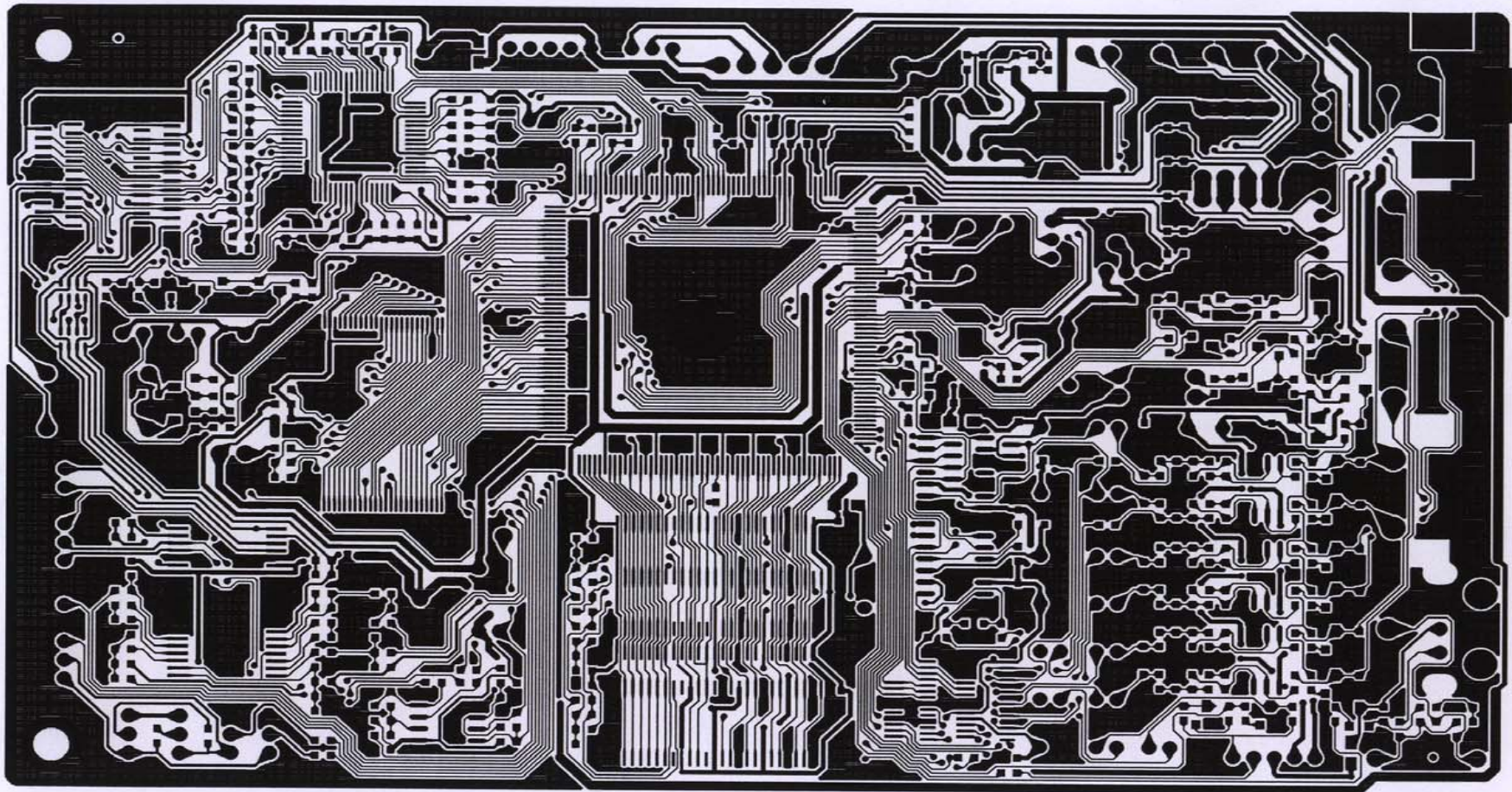
SHEET: 1

- 64W[R35,R43,R44]OR
- 32W[R40=D] [R39,R44]OR [R56]4K7
- 32W[R40=D] [R39,R44]OR [R50]4K7
- 32W[R40=D] [R35,R44]OR [R57]4K7
- 32W[R40=D] [R35,R44]OR [R51]4K7
- 32W[R40=D] [R35,R44]OR [R53]4K7
- 32W[R40=D] [R35,R44]OR [R54]4K7

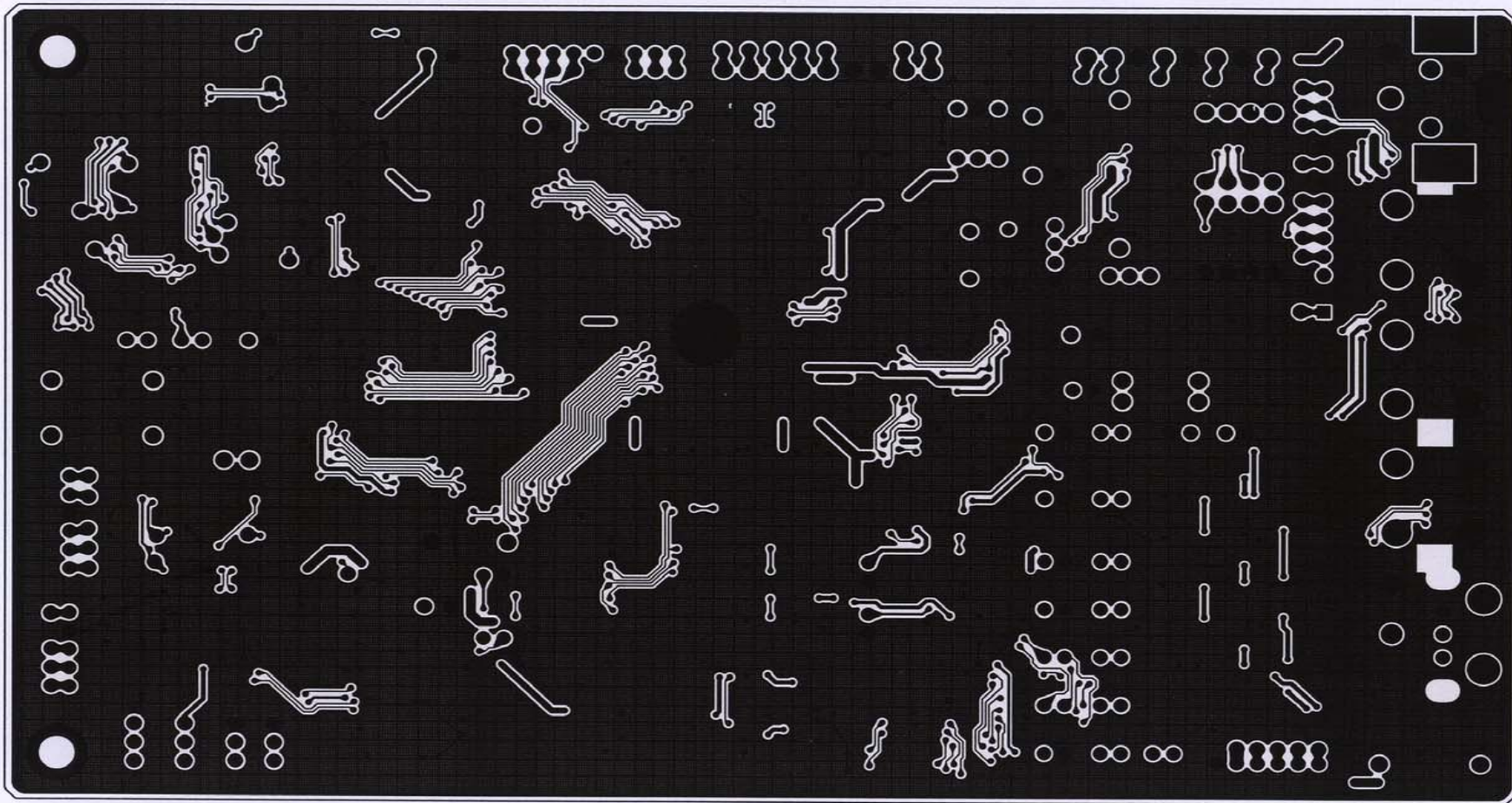
三、Decoder PCB Graph



Decoder Board (PCB)			
BOARD NAME: PD67ZR		LAYER: SILKSCREEN	
DRAWN: [Signature]		CHECKED: [Signature]	
DATA: 2004.12.24		APPROVED: [Signature]	

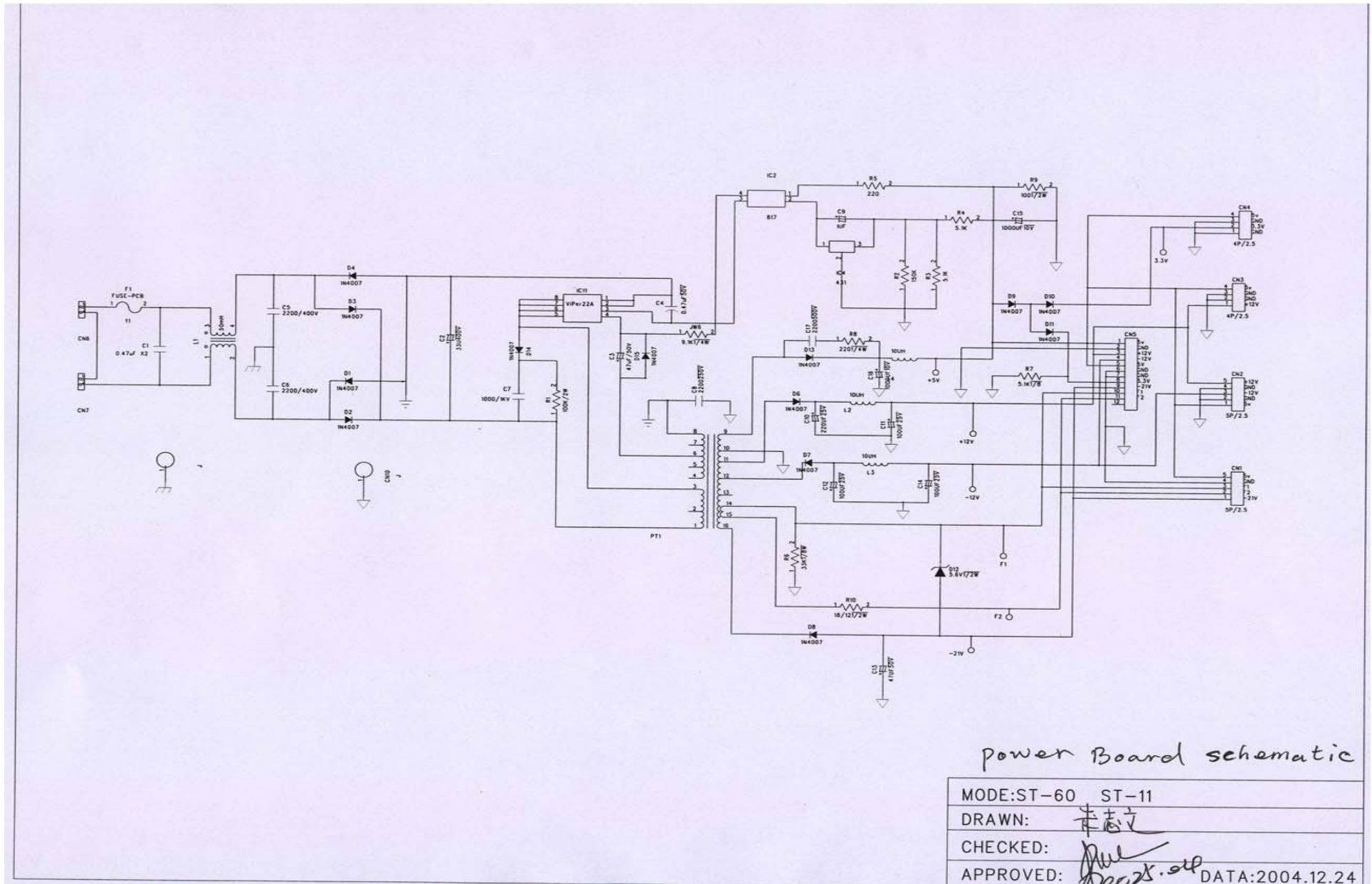


Decoder Board (PCB)			
BOARD NAME: PD67ZR	LAYER: TOP		
DRAWN: 李江	CHECKED:	APPROVED: [Signature]	
DATA: 2004.12.24	Rev 2.0		

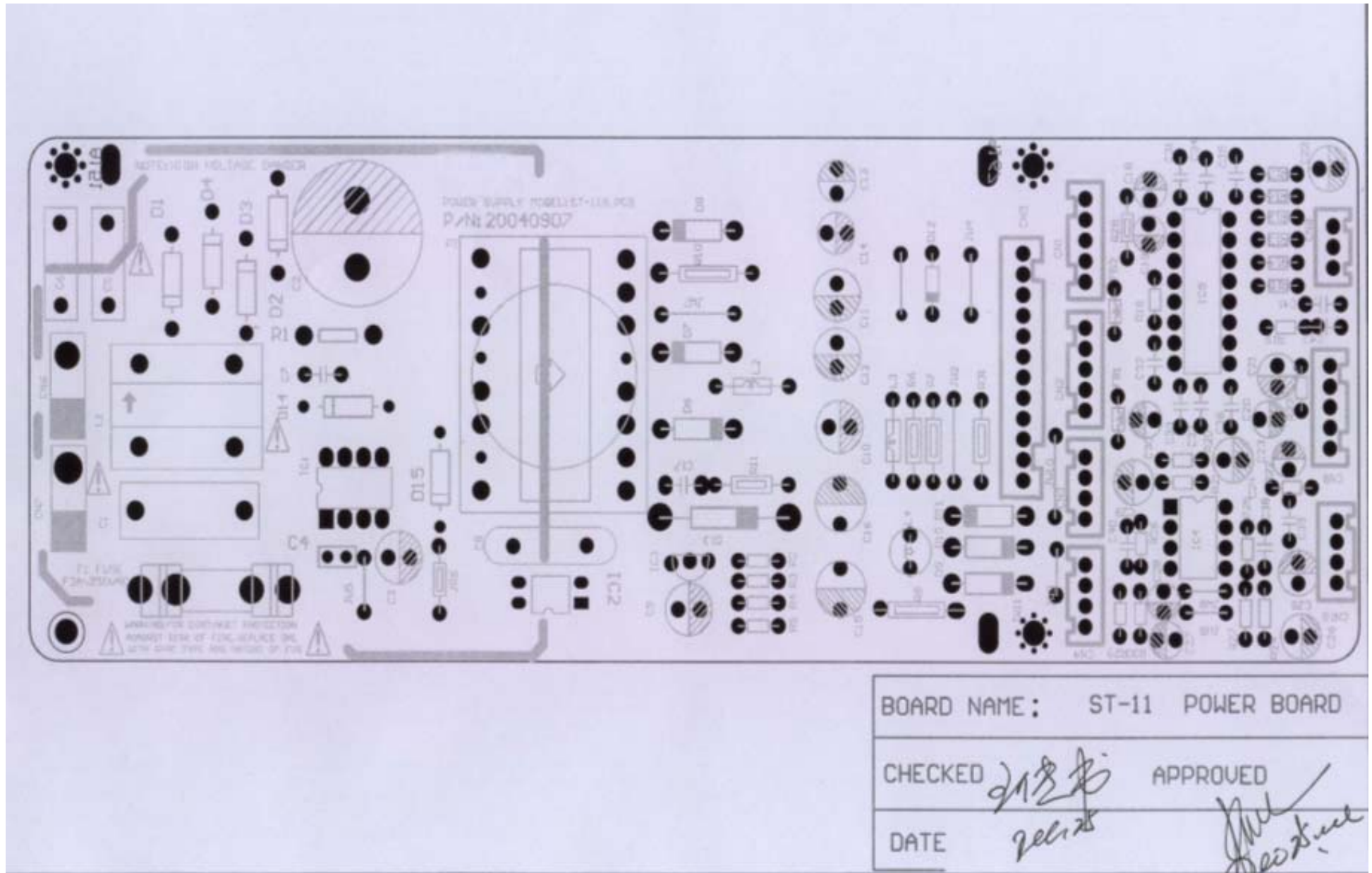


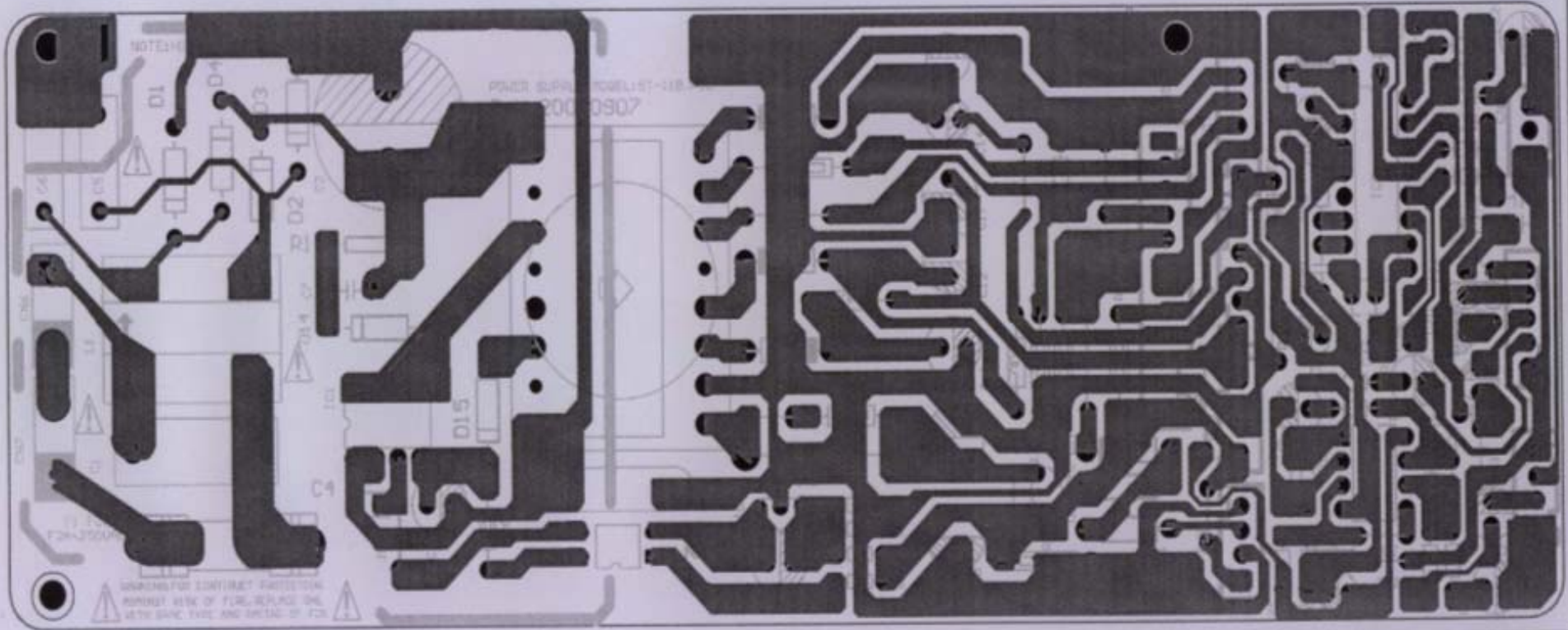
Decoder Board (PCB)	
BOARD NAME: PD67ZR	LAYER: BOTTOM
DRAWN: [Signature]	CHECKED: [Signature] APPROVED: [Signature]
DATA: 2004.12.24	Dec 25. 01

四、Power supply Board Circuit Graph

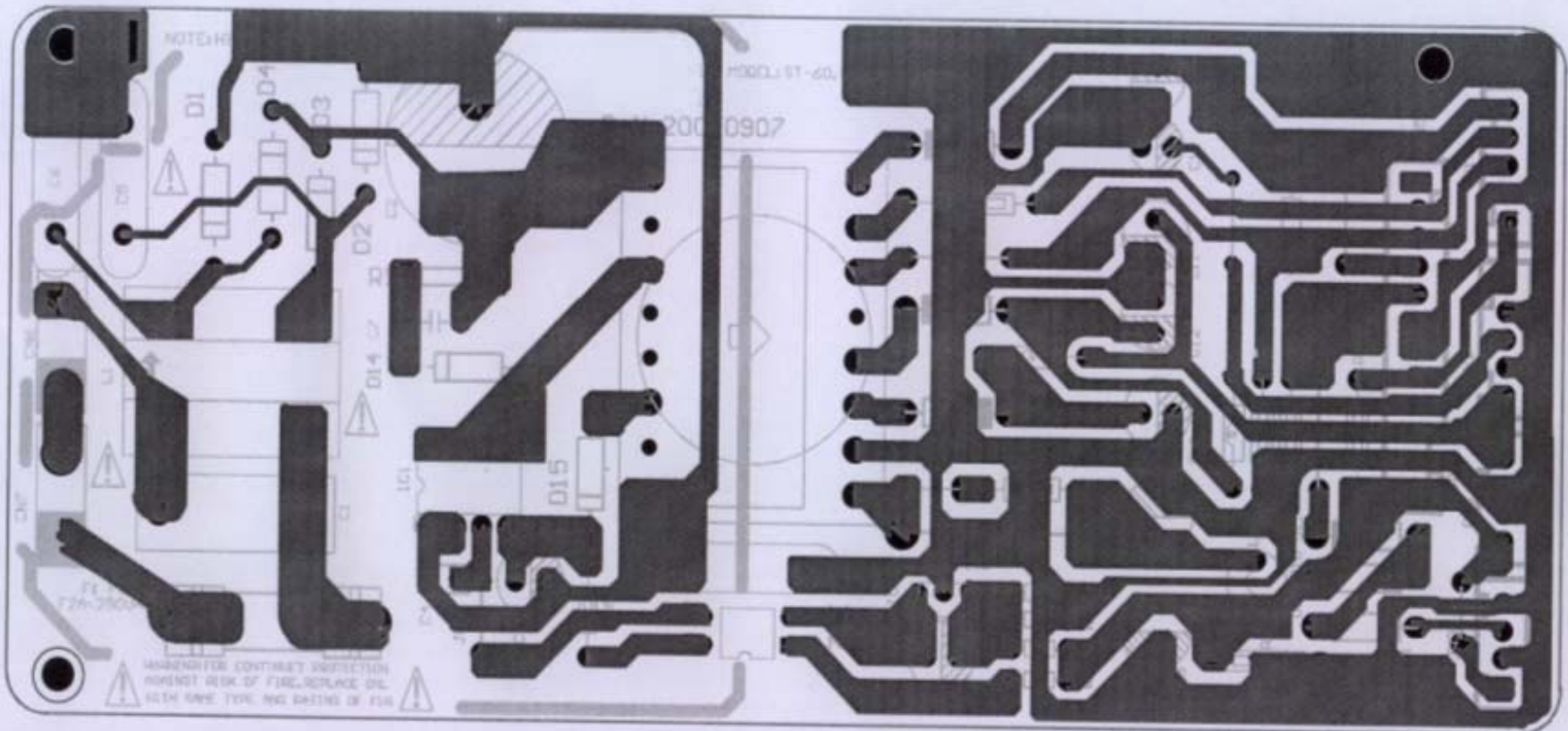


五、Power supply PCB Graph



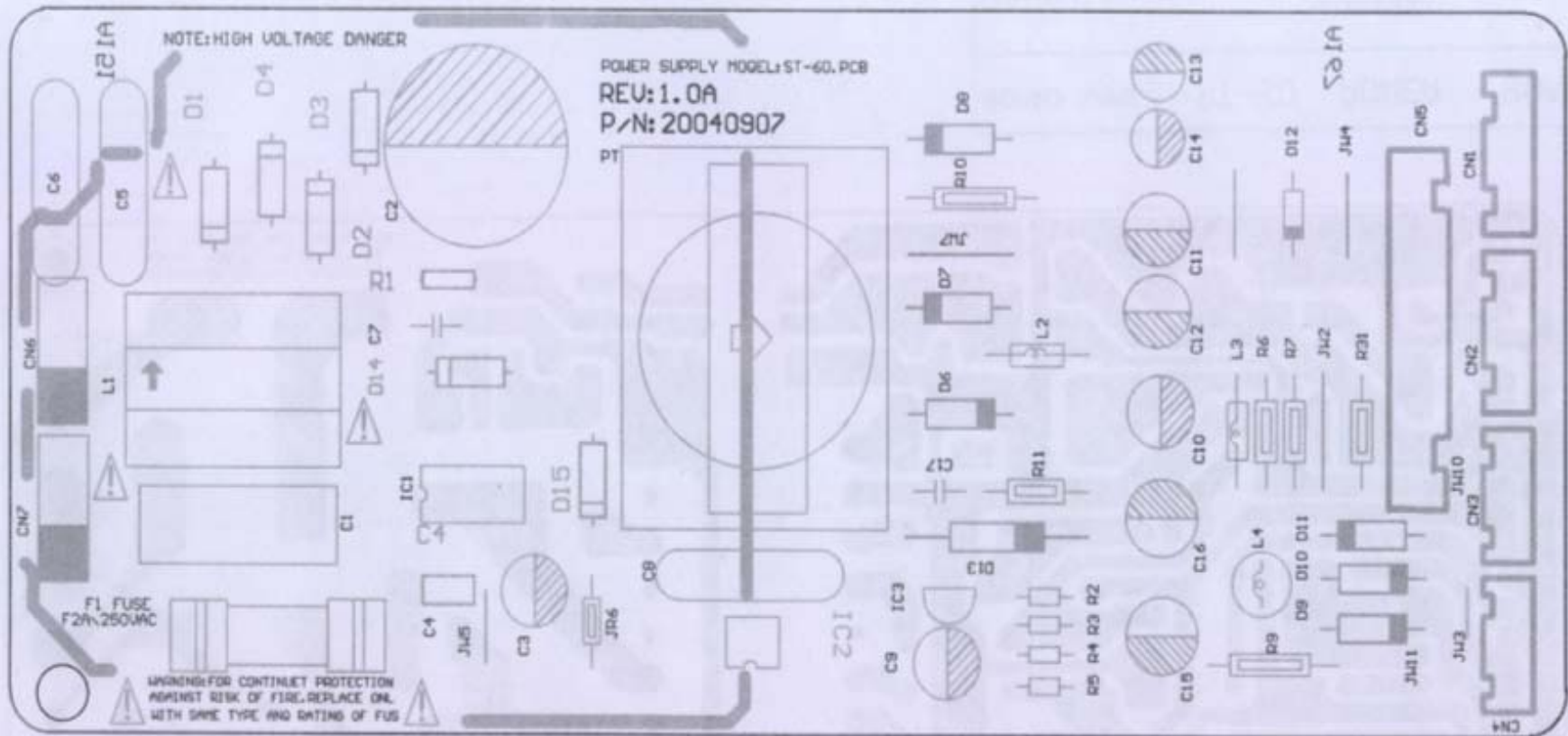


BOARD NAME: ST-11 POWER BOARD	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>
DATE <i>2000-09-25</i>	<i>[Signature]</i>



BOARD NAME: ST-60 POWER BOARD	
CHECKED	APPROVED
DATE	

[Handwritten signature] *[Handwritten signature]*
[Handwritten signature] *[Handwritten signature]*
 Dec 25 Dec 25.04



BOARD NAME: ST-60 POWER BOARD

CHECKED

JAS
 Dec 25, 04

APPROVED

[Signature]
 Dec 25, 04

DATE