

Service Service Service



Service Manual



TABLE OF CONTENTS

Location of PC Boards	1-1	Decoder Board	8
Specification	1-2	Circuit diagram	8-1 to 8-4
Measurement Setup	1-3	Layout diagram	8-5 to 8-6
Service Aids	1-4	Explode View	9-1
Instruction On CD Playability	1-5 to 1-6	Service Partlist	10-1 to 10-2
Software Version Check & Upgrade	2-1	Factory Partlist	11-1 to 11-4
Malfuction Check Chart	2-2		
Disassembly Diagram	3-1		
Block Diagram	4-1		
Wiring Diagram	4-2		
VFD Display Board	5		
Circuit diagram	5-1		
Layout diagram	5-2		
USB & M-boy Board	6-1		
TUNER Board	7		
Circuit diagram	7-1		
Layout diagram	7-2		

© Copyright 2008 Philips Consumer Electronics B.V. Eindhoven, The Netherlands
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise without the prior permission of Philips.

Published by DB 0829 Service Audio Printed in The Netherlands Subject to modification

**CLASS 1
LASER PRODUCT**

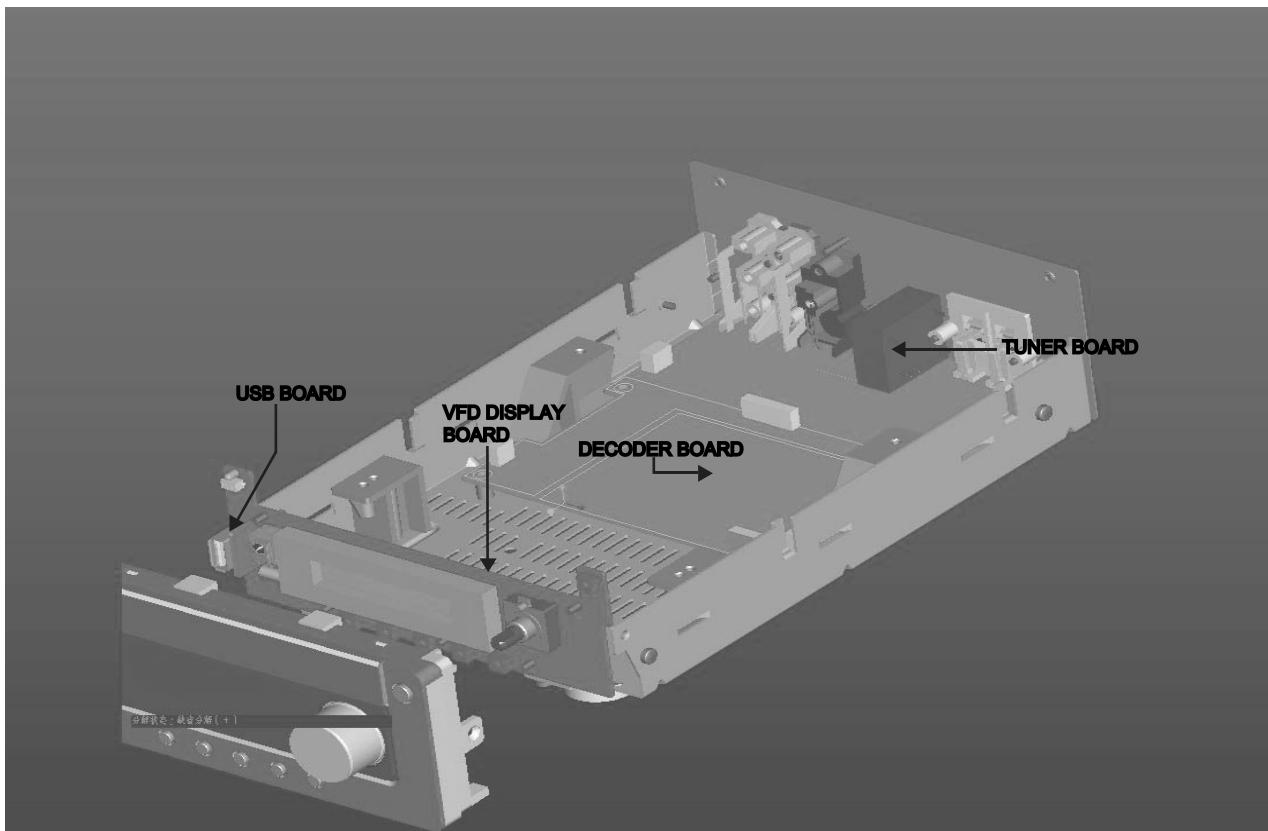
Version 1.0



PHILIPS

© 3141 785 33040

Location of PC Boards



VERSION VARIATIONS :

Type /Versions:		MCM770										
Board in used:	Service policy	/05	/12	/37	/55	/58	/61	/79	/93	/94	/96	/98
DISPLAY BOARD		C										
USB BOARD		M										
M-boy BOARD		M										
TUNER BOARD		M										
DECODER BOARD		M										
Type /Versions:		MCM770										
Features	Feature diffrence	/05	/12	/37	/55	/58	/61	/79	/93	/94	/96	/98
RDS			✓									
VOLTAGE SELECTOR			✓									
ECO STANDBY - DARK												
TDS												

* TIPS : C -- Component Lever Repair.
M -- Module Lever Repair
✓ -- Used

Specification

AMPLIFIER

Rated Output Power	2 x 25W RMS
Signal-to-noise ratio	≥ 65 dBA
Frequency response	50Hz - 3 dB+/-3 20KHz
Aux Input.....	0.5V RMS 47kohm

DISC

Laser Type	Semiconductor
Disc Diameter.....	12cm/8cm
Support Disc	
CD-DA,CD-RW,CD-R,MP3	
Audio DAC	24Bits / 44.1kHz
Total Harmonic Distortion	<0.1%(1kHz)
Frequency Response	50Hz - 3dB+/-3 20KHz
S/N Ration	≥65dBA

TUNER

FM Tuning Range	87.5 – 108 MHz
Tuning grid	100K/50KHz
Sensitivity	
– Mono, 50dB S/N Ratio5u V
– Stereo, 46dB S/N Ratio	100uV
Selectivity	>28dB
Image Rejection	>25dB
Total Harmonic Distortion	<3%
Signal to Noise Ration	>65dBA

SPEAKERS

Speaker Impedance	4ohm
Speaker Driver, base	3.5"
Speaker Driver, tweeter	4ohm/5W
Frequency Response	50Hz -3dB+/-3 20KHz

GENERAL INFORMATION

Total Output power	50W RMS
AC Power	220-230V / 50Hz
Operation Power Consumption	25W
Standby Power Consumption	<4W
Eco Standby Power Consumption	<1W
Headphone OutputNA
USB Direct	Version 1.1

Dimensions

– Main unit (w x h x d)	158.7x66.5x250.2mm
– Speaker box (w x h x d)	206x170x270mm

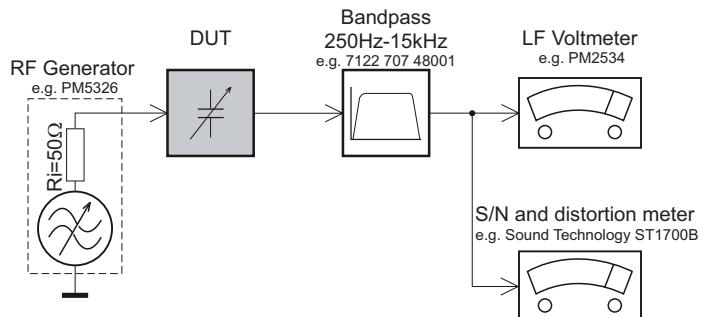
Weight

– With Packing	7.5 KG
– Main Unit	1.47KG
– Speaker box	3.71KG
Net Weight.....	6.5KG

Specifications and external appearance are subject to change without notice.

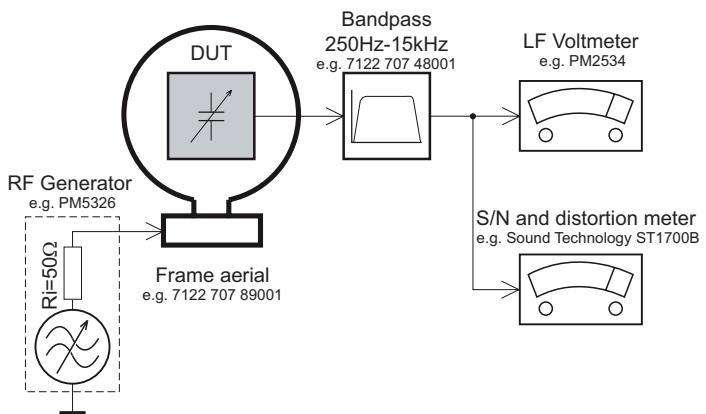
MEASUREMENT SETUP

Tuner FM



Use a bandpass filter to eliminate hum (50Hz, 100Hz) and disturbance from the pilottone (19kHz, 38kHz).

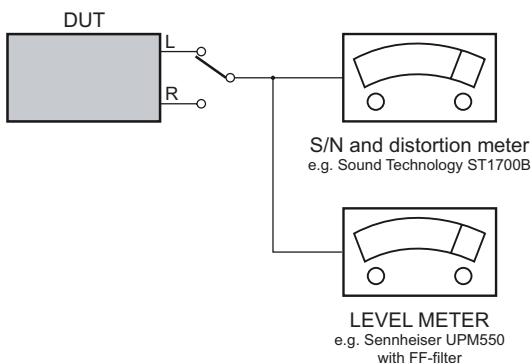
Tuner AM (MW,LW)



To avoid atmospheric interference all AM-measurements have to be carried out in a Faraday's cage.
Use a bandpass filter (or at least a high pass filter with 250Hz) to eliminate hum (50Hz, 100Hz).

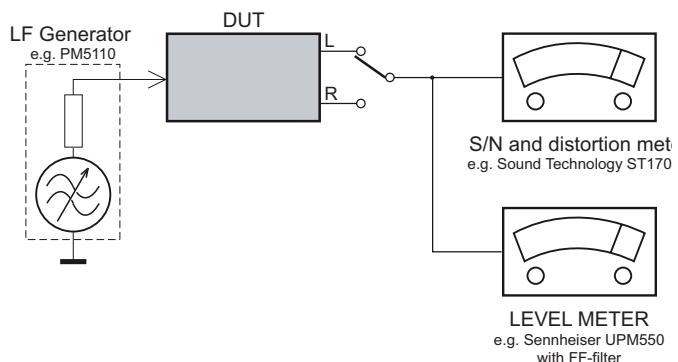
CD

Use Audio Signal Disc SBC429 4822 397 30184
(replaces test disc 3)



Recorder

Use Universal Test Cassette CrO₂ SBC419 4822 397 30069
or Universal Test Cassette Fe SBC420 4822 397 30071



SERVICE AIDS



WARNING

All ICs and many other semi-conductors are susceptible to electrostatic discharges (ESD). Careless handling during repair can reduce life drastically.

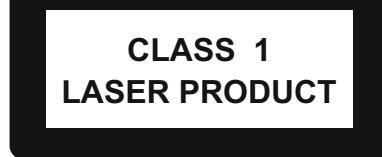
When repairing, make sure that you are connected with the same potential as the mass of the set via a wrist wrap with resistance. Keep components and tools also at this potential.

ESD



Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified, be used

Safety components are marked by the symbol \triangle .



INFORMATION ABOUT LEAD-FREE SOLDERING

Philips CE is producing lead-free sets from 1.1.2005 onwards.

IDENTIFICATION:

Regardless of special logo (not always indicated) one must treat all sets from **1 Jan 2005** onwards, according next rules:



- On our website www.atyourservice.ce.Philips.com you find more information to:
 - * BGA-de-/soldering (+ baking instructions)
 - * Heating-profiles of BGAs and other ICs used in Philips-sets
 - * Lead free

You will find this and more technical information within the "magazine", chapter "workshop news".

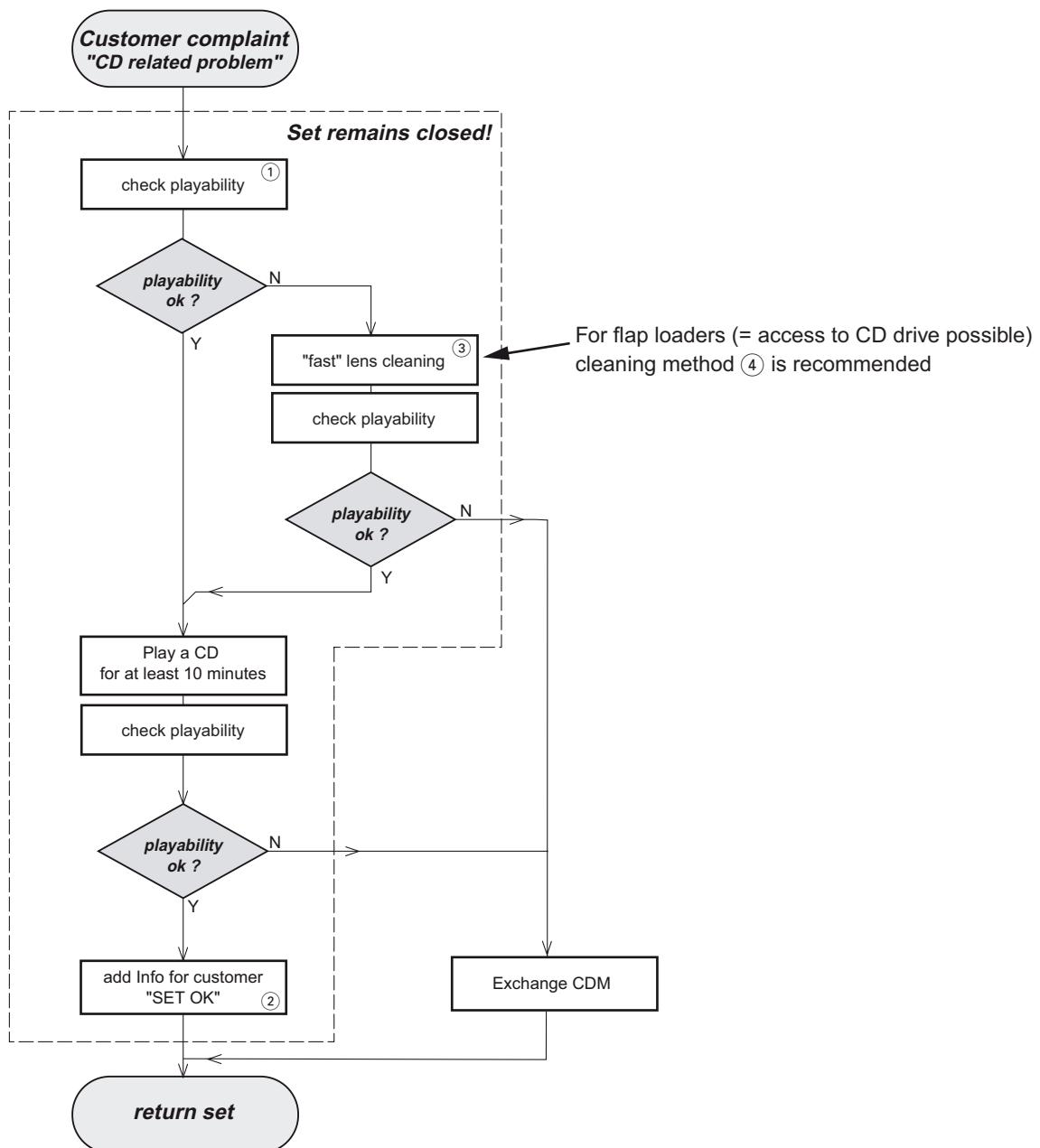
For additional questions please contact your local repair-helpdesk.

SERVICE INSTRUCTION

Safety regulations require that after a repair, the set must be returned in its original condition. Pay in particular attention to the following points:

- Route the wire trees correctly and fix them with the mounted cable clamps.
- Check the insulation of the AC Power lead for external damage.
- Check the strain relief of the AC Power cord for proper function.
- Check the electrical DC resistance between the AC Power Plug and the secondary side (only for sets which have a AC Power isolated power supply):
- 1. Unplug the AC Power cord and connect a wire between the two pins of the AC Power plug.
- 2. Set the AC Power switch to the "on" position (keep the AC Power cord unplugged!).
- 3. Measure the resistance value between the pins of the AC Power plug and the metal shielding of the tuner or the aerial connection on the set. The reading should be larger than 4.5 Mohm (For U.S. it should be between 4.2 Mohm and 12 Mohm).
- 4. Switch "off" the set, and remove the wire between the two pins of the AC Power plug.
- Check the cabinet for defects, to avoid touching of any inner parts by the customer.

INSTRUCTIONS ON CD PLAYABILITY



① - ④ For description - see following pages

INSTRUCTIONS ON CD PLAYABILITY

(1)

PLAYABILITY CHECK

For sets which are compatible with **CD-RW** discs
use CD-RW Printed Audio Disc 7104 099 96611
TR 3 (Fingerprint)
TR 8 (600 μ Black dot) **maximum at 01:00**

- playback of these two tracks without audible disturbance
playing time for: Fingerprint \geq 10seconds
Black dot from 00:50 to 01:10
- jump forward/backward (search) within a reasonable time

For all other sets
use CD-DA SBC 444A..... 4822 397 30245
TR 14 (600 μ Black dot) **maximum at 01:15**
TR 19 (Fingerprint)
TR 10 (1000 μ wedge)

- playback of all these tracks without audible disturbance
playing time for: 1000 μ wedge \geq 10seconds
Fingerprint \geq 10seconds
Black dot from 01:05 to 01:25
- jump forward/backward (search) within a reasonable time

(2)

CUSTOMER INFORMATION

It is proposed to add an addendum sheet to the set which informs the customer that the set has been checked carefully - but no fault was found.
The problem was obviously caused by a scratched, dirty or copy-protected CD. In case problems remain, the customer is requested to contact the workshop directly.
The lens cleaning (method ③) should be mentioned in the addendum sheet.

The final wording in national language as well as the printing is under responsibility of the Regional Service Organizations.

(4)

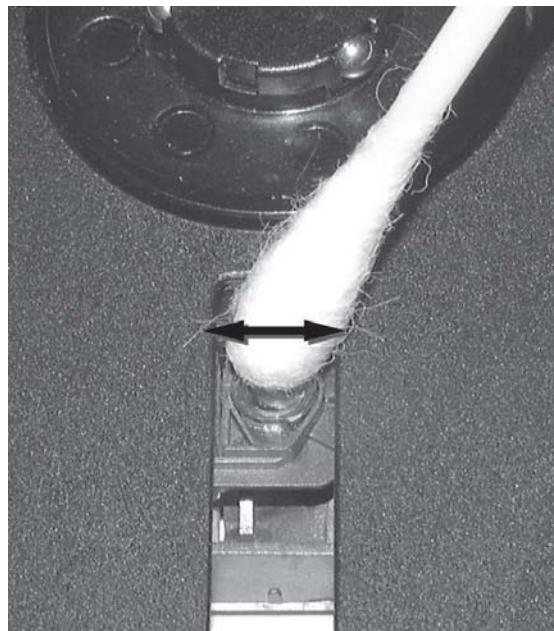
LIQUID LENS CLEANING

Before touching the lens it is advised to clean the surface of the lens by blowing clean air over it.
This to avoid that little particles make scratches on the lens.

Because the material of the lens is synthetic and coated with a special anti-reflectivity layer, cleaning must be done with a non-aggressive cleaning fluid. It is advised to use "Cleaning Solvent"

The actuator is a very precise mechanical component and may not be damaged in order to guarantee its full function. Clean the lens gently (don't press too hard) with a soft and clean cotton bud moistened with the special lens cleaner.

The direction of cleaning must be in the way as indicated in the picture below.



Software Version Check & Upgrade

Upgrade software

1. Downloading the software from Philips support website

<http://www.philips.com/support>

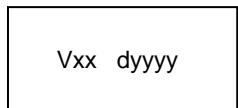
2. Put in the Software CD Disc or USB, when it is loading

One minute later, a long ding voice will be heard. Software upgrade finish.

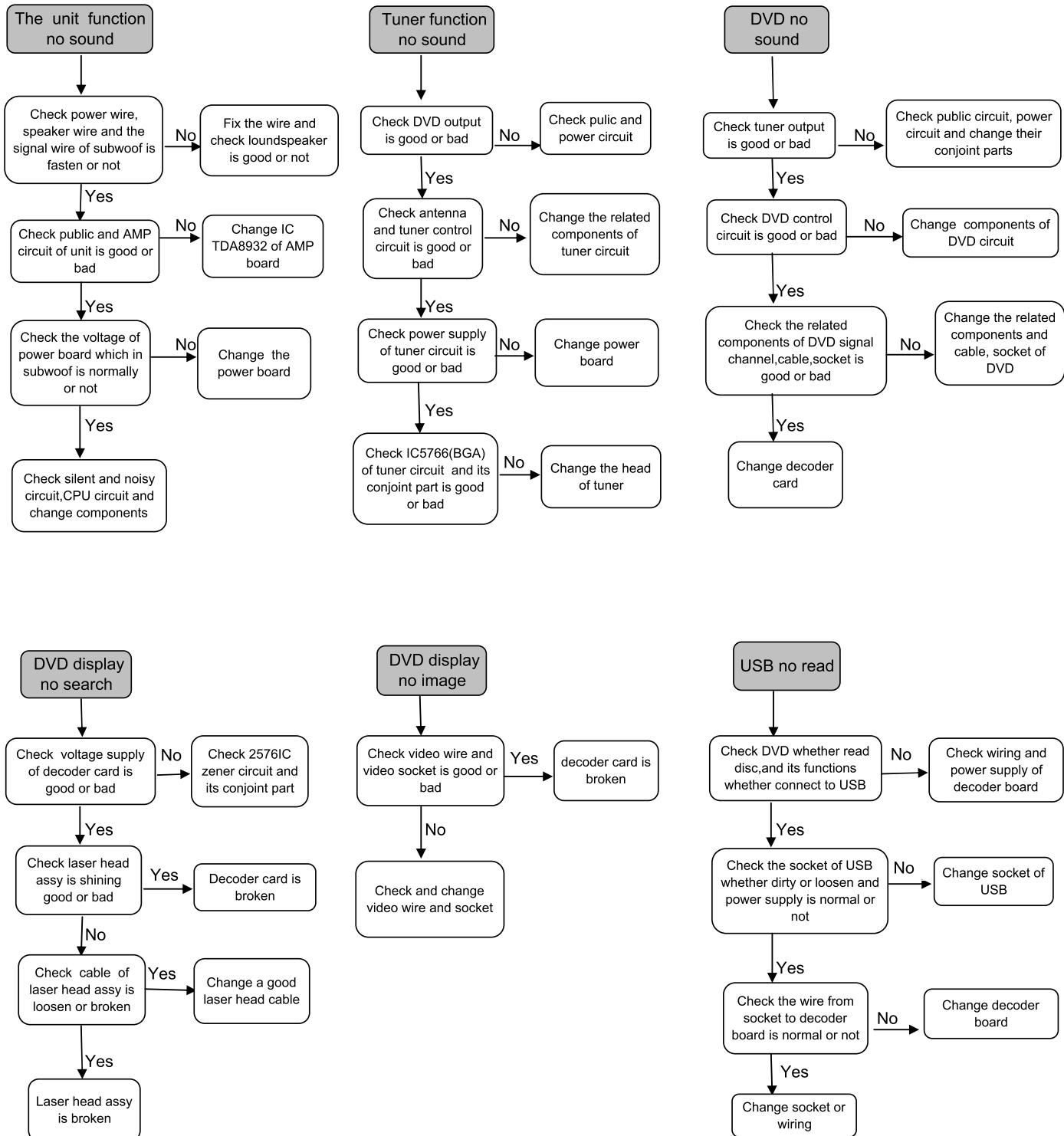
Software check

Press the “display” button continuously on remote control,

display showing as below:

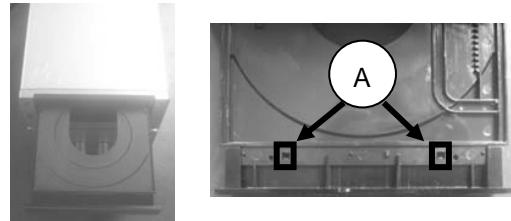


Malfunction follow check chart

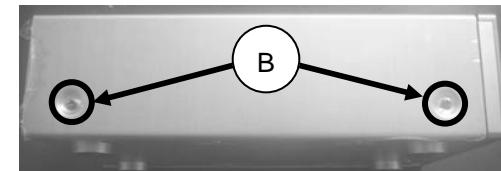


Disassembly Diagram

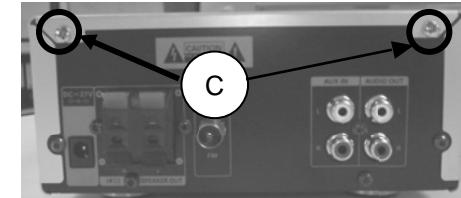
A.Turn-on electrical source to open the CD tray;
after that,turn-off electrical source.uses ironbound
thimble prize up the CD door(see the sign A).



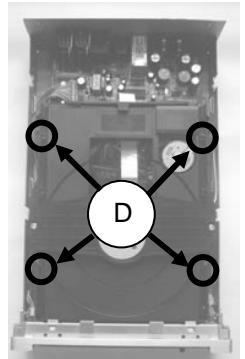
B.Losen screws of the top cover both sides
(see the sign B: screw 3x6 TMTT plate)



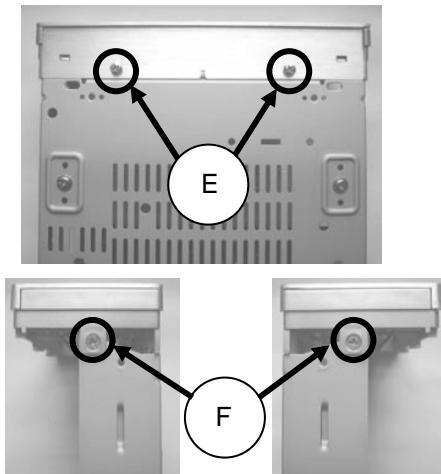
C.Losen screws of the top cover back side
(see the sign C: screw 3x6 PMTT plate)



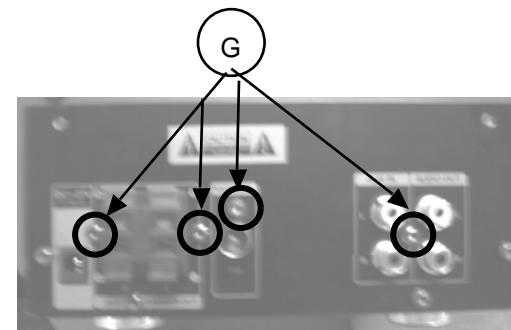
D.Losen screws to remove the CD tray
(see the sign D: screw 3x10 PWA plate)



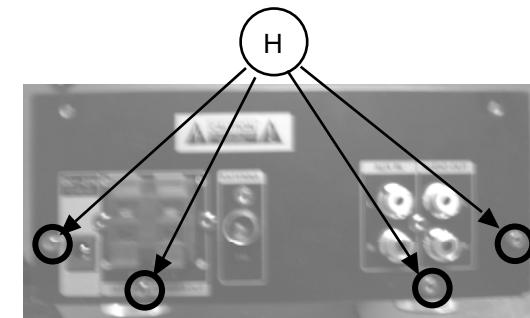
E.Losen screws to remove CD front cabinet.
(see the sign E&F: screw 3x5 BMTT plate
/ screw 3x5 FMTT).



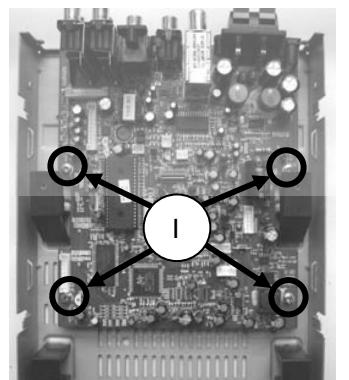
G.Losen screws to remove the decoder board.
(see the sign G: screw 3x10 PBH plate
& screw 3x6 PMTT plate).



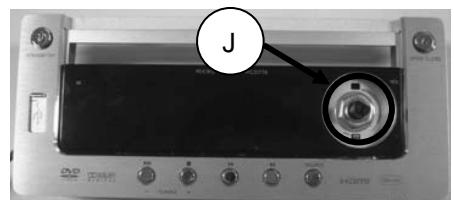
H.Losen screws to remove the back panel.
(see the sign H: screw 3x6 PMTT plate).



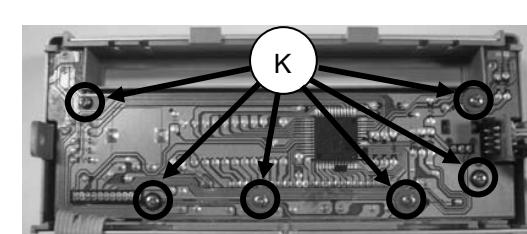
I.Losen screws to take out the decoder
board.(see the sign I: screw 3x5 BM plate).



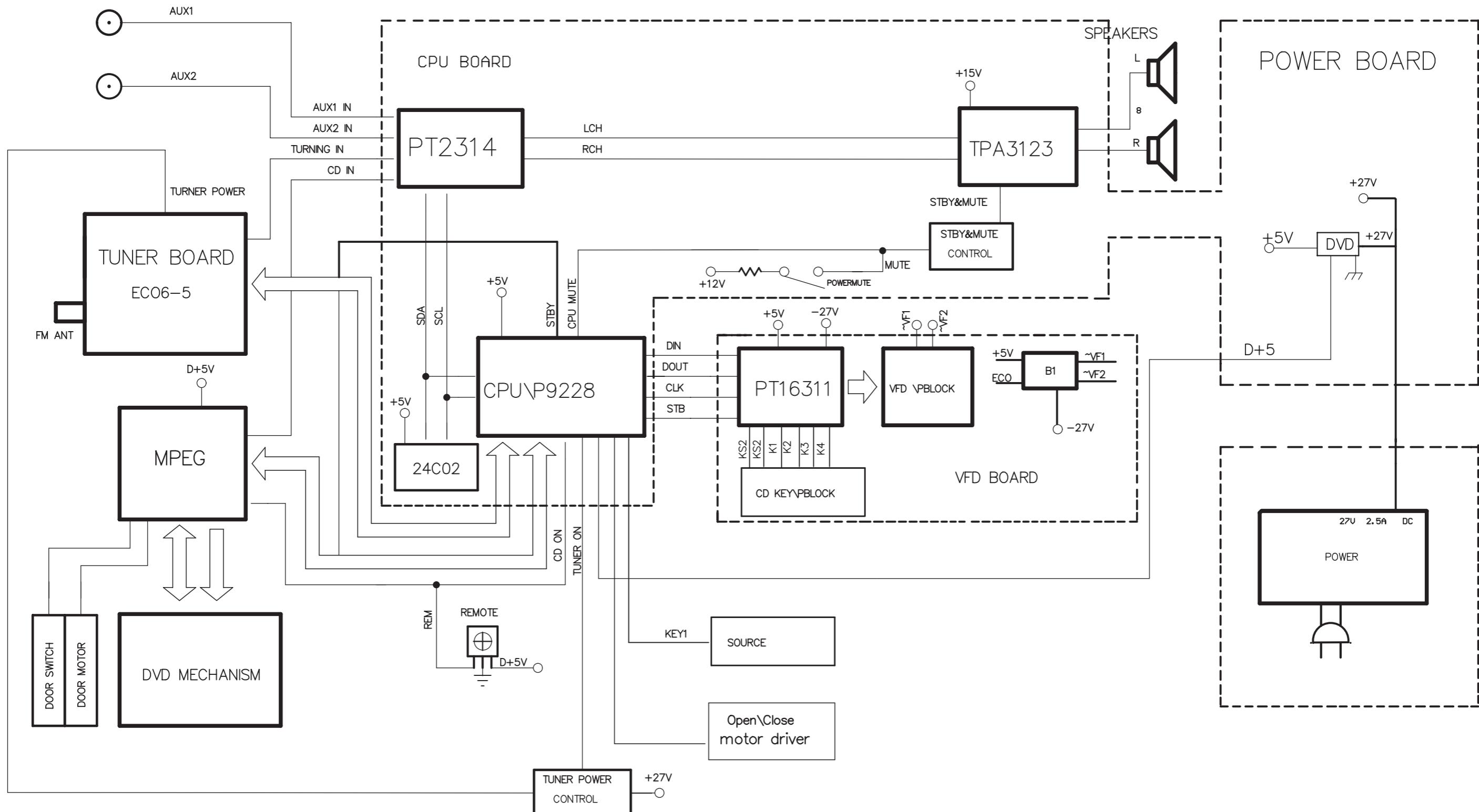
J.Losen nut to remove the display board.
(see the sign J).



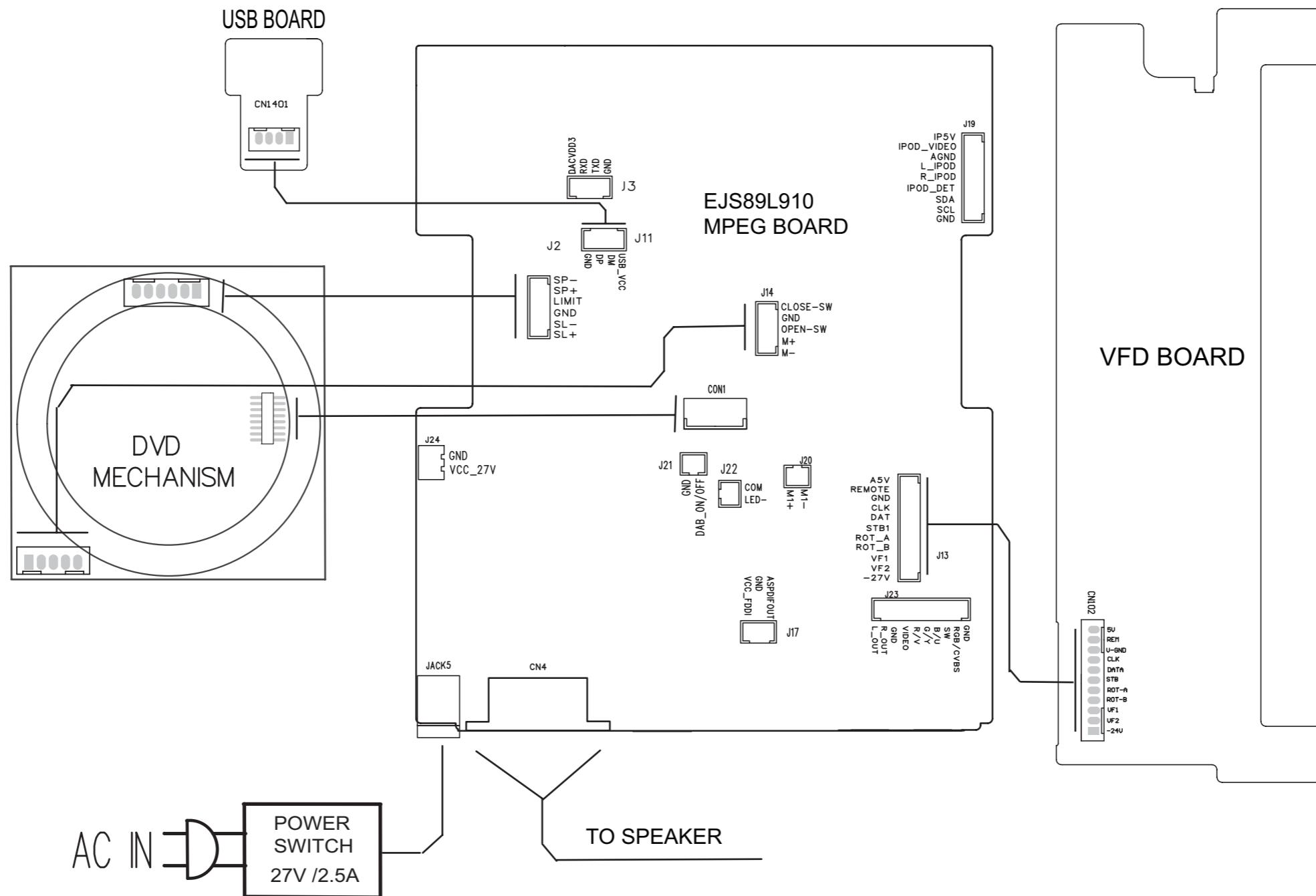
K.Losen screws to remove the display board.
(see the sign K: screws 2.6x8 PA plate).



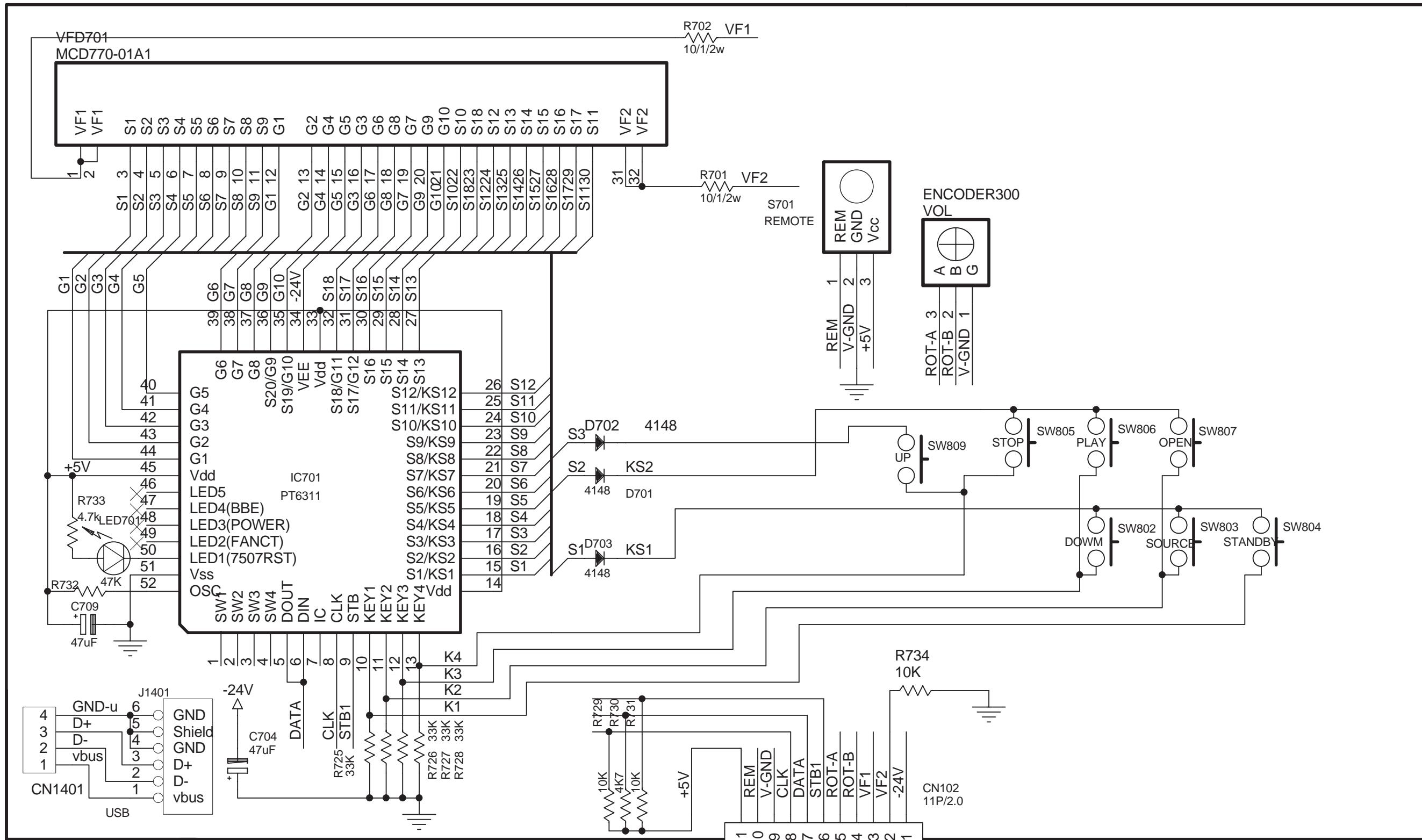
Block Diagram



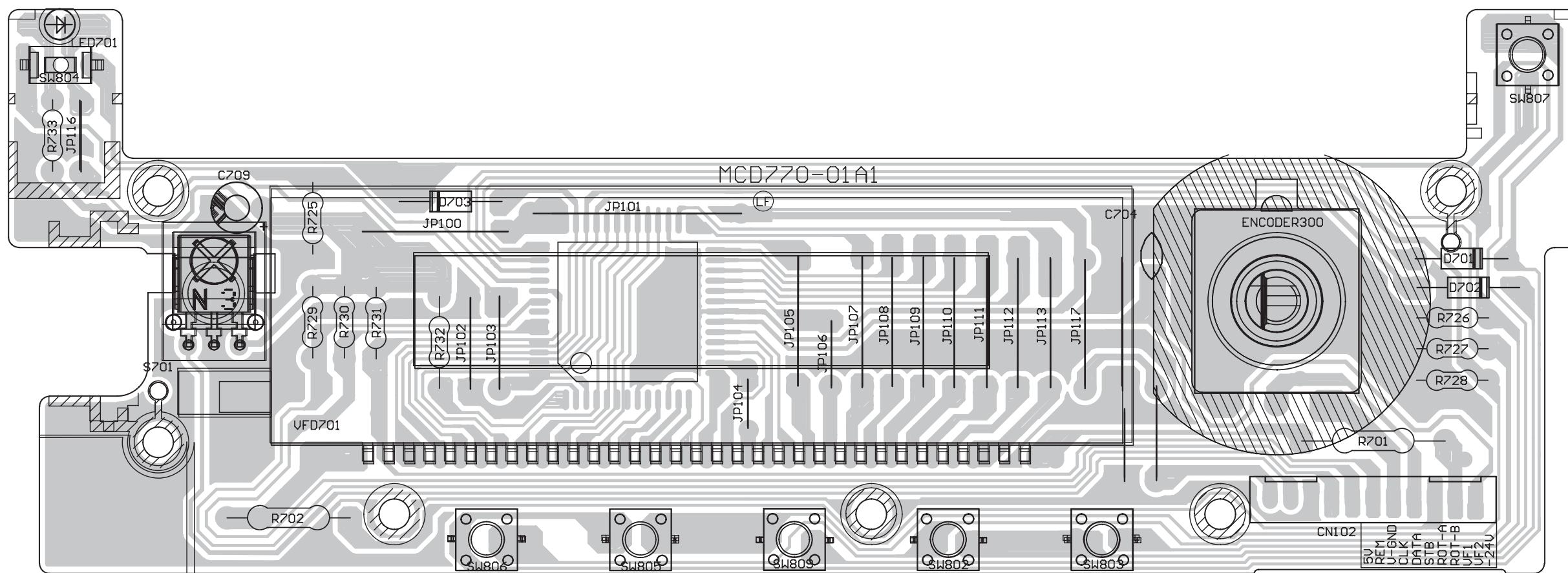
Wiring Diagram



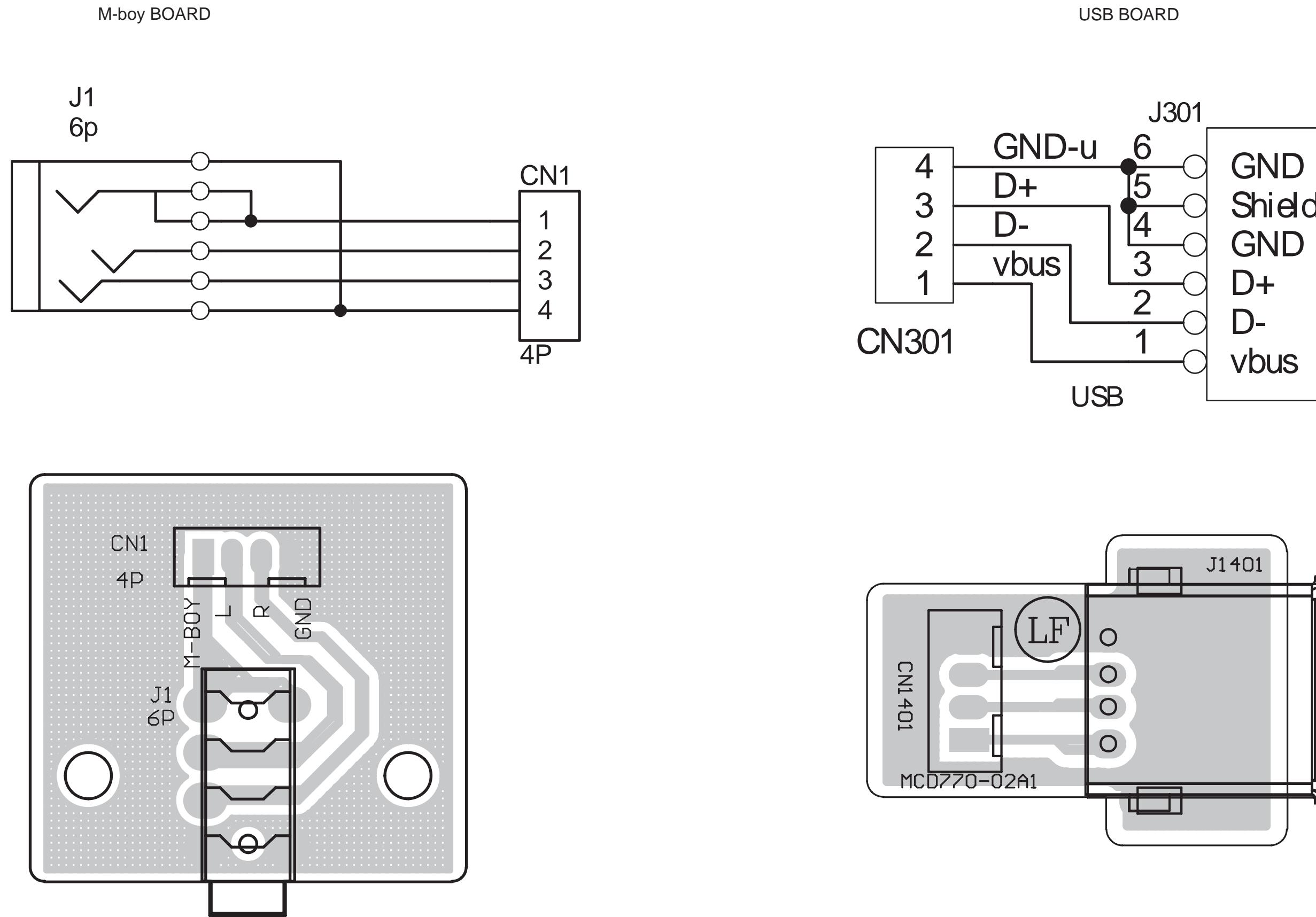
VFD Display Board--Circuit Diagram



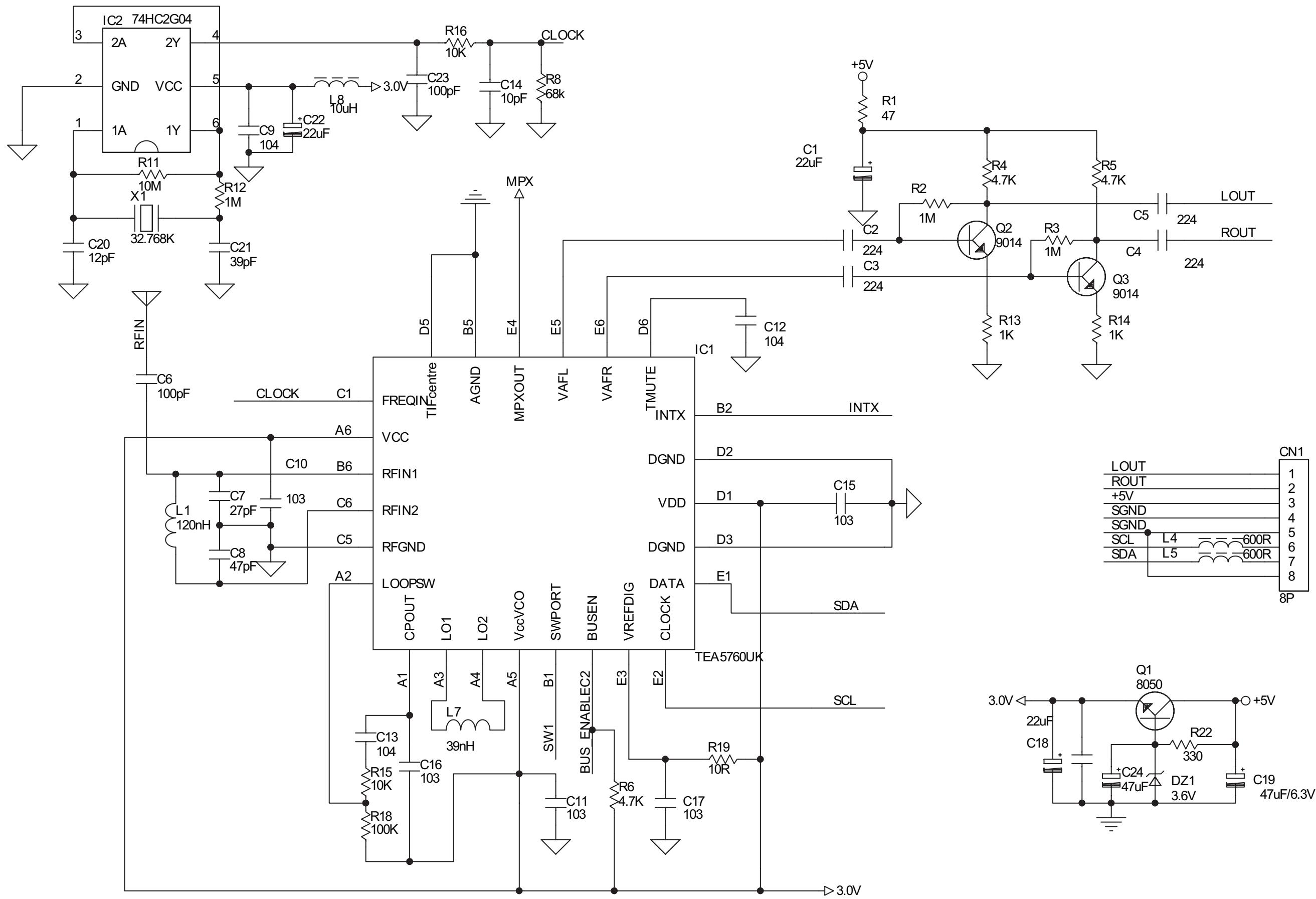
VFD Display Board--Layout Diagram



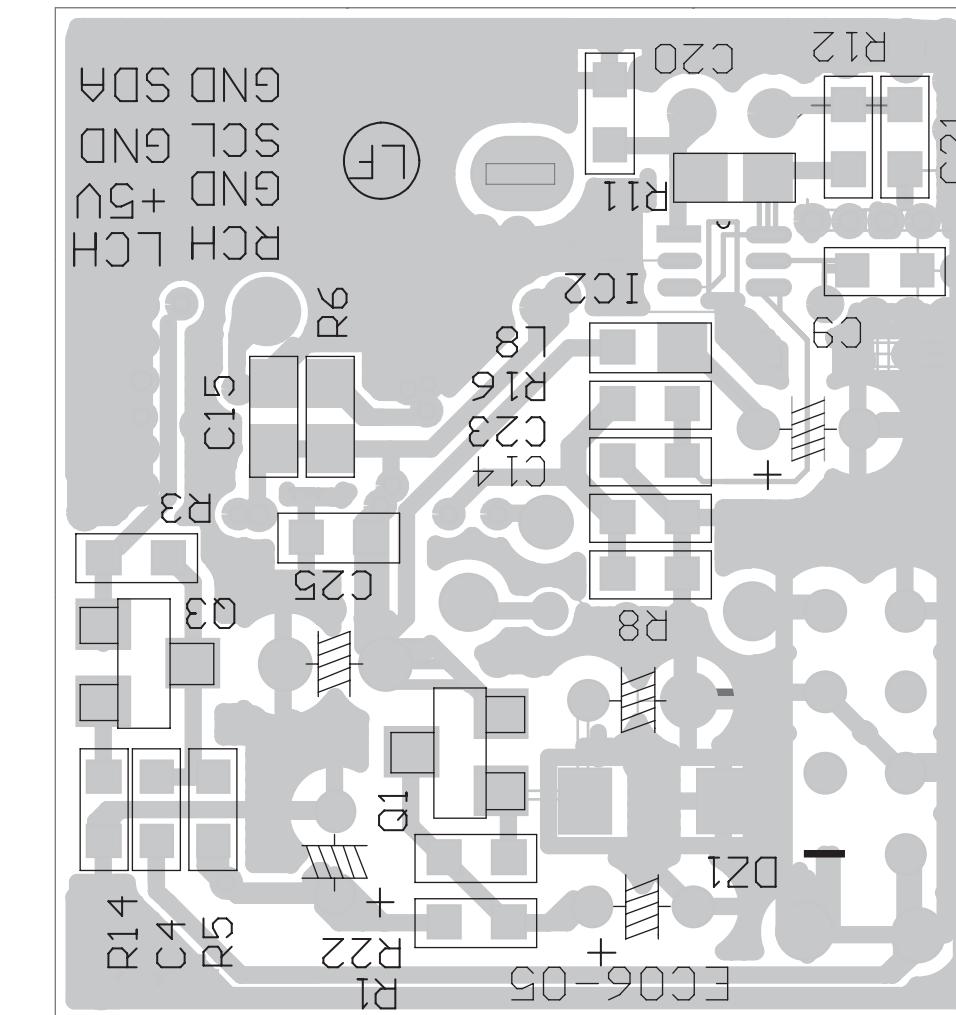
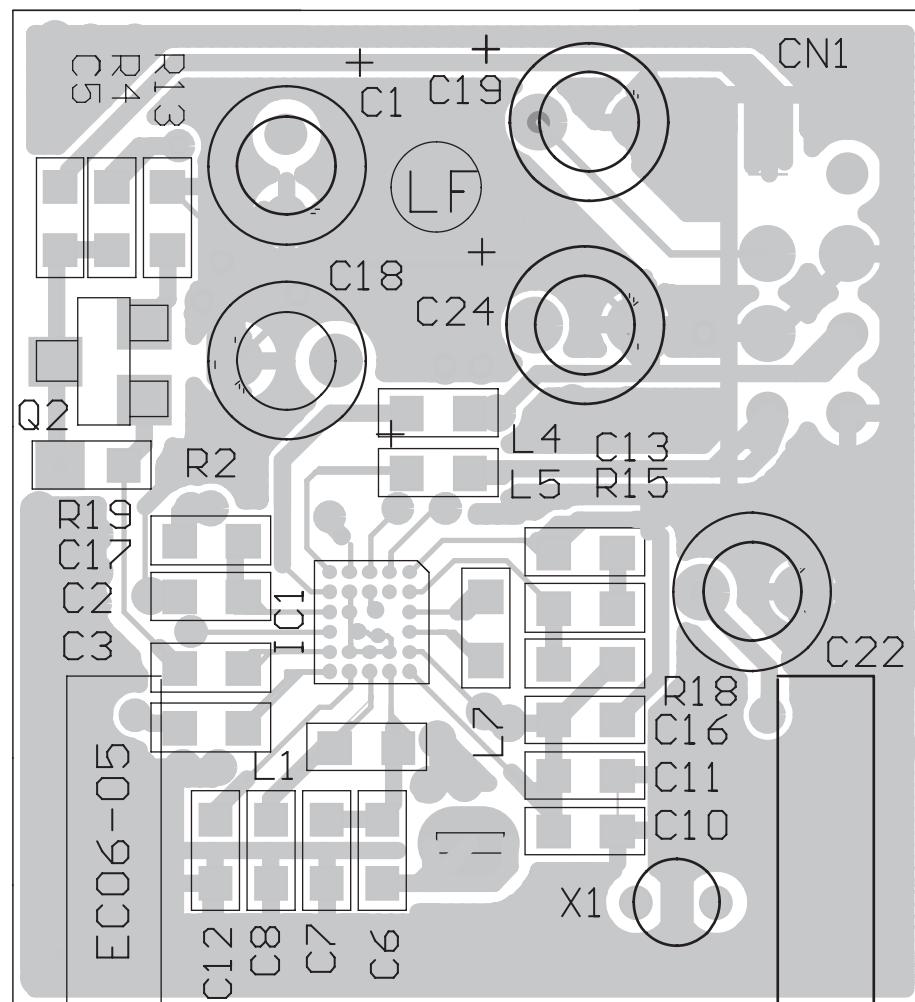
USB & M-boy Board--Circuit & Layout diagram



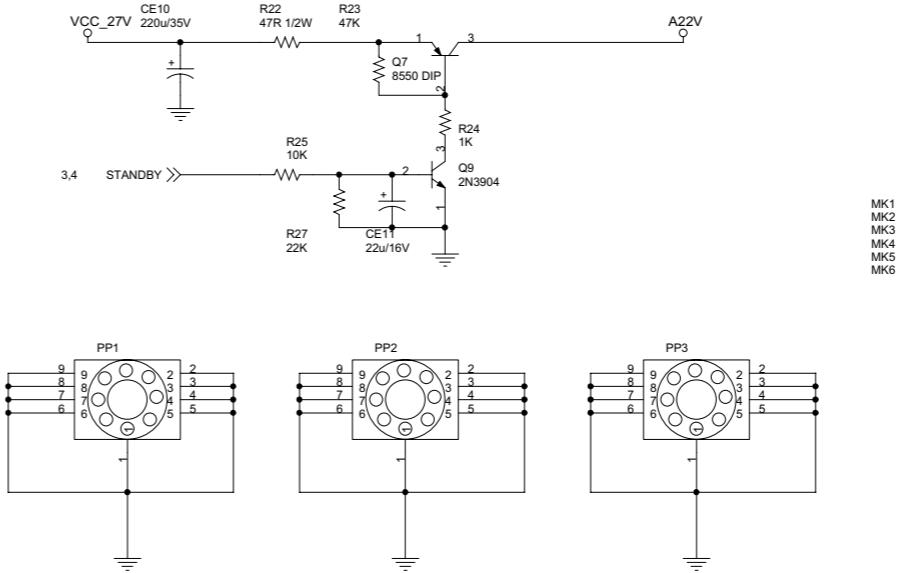
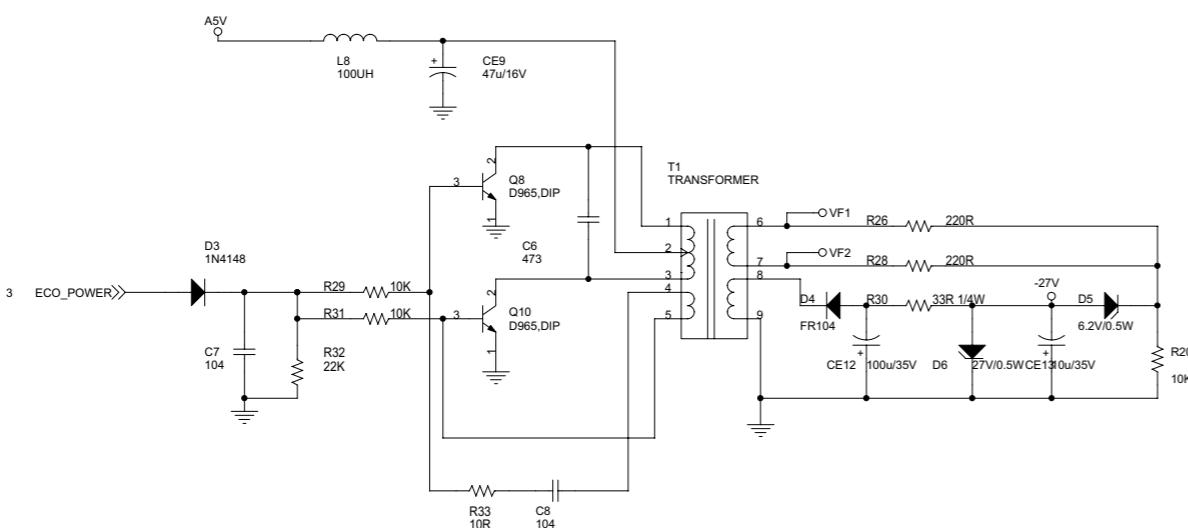
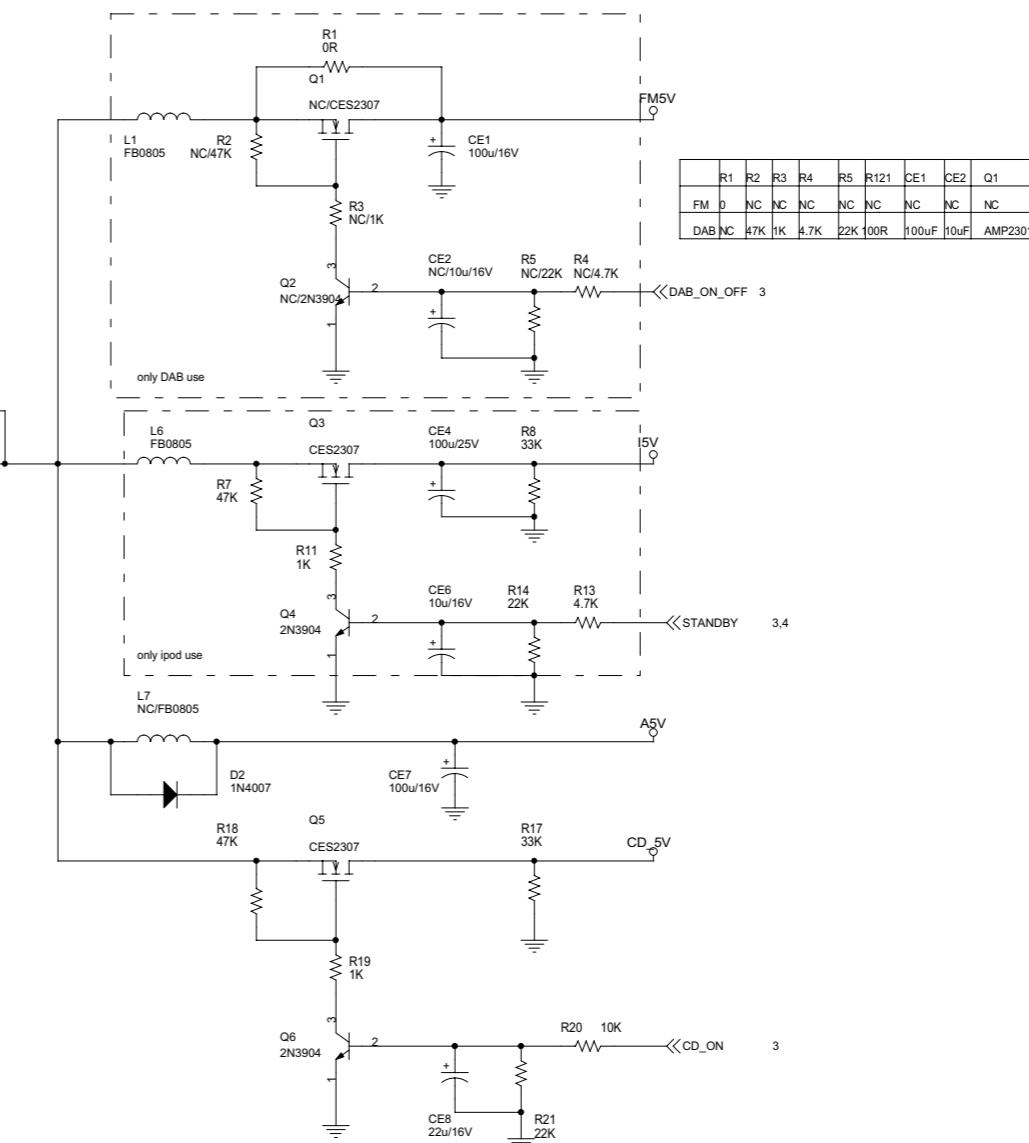
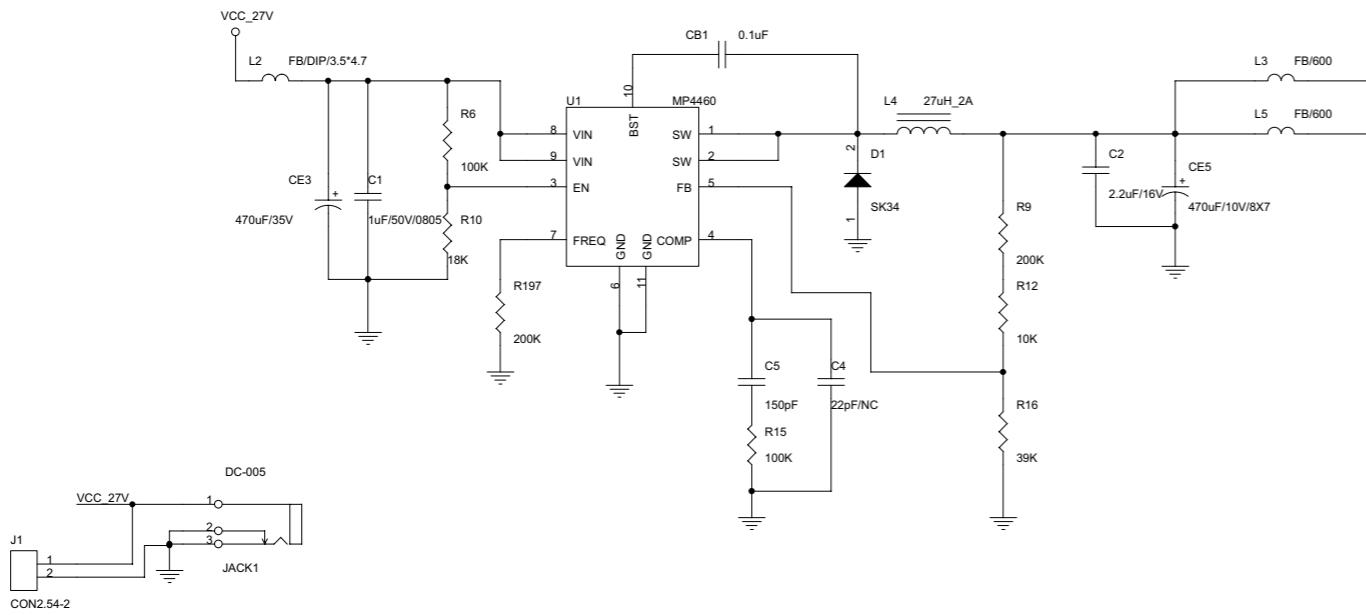
Tuner Board-Circuit Diagram



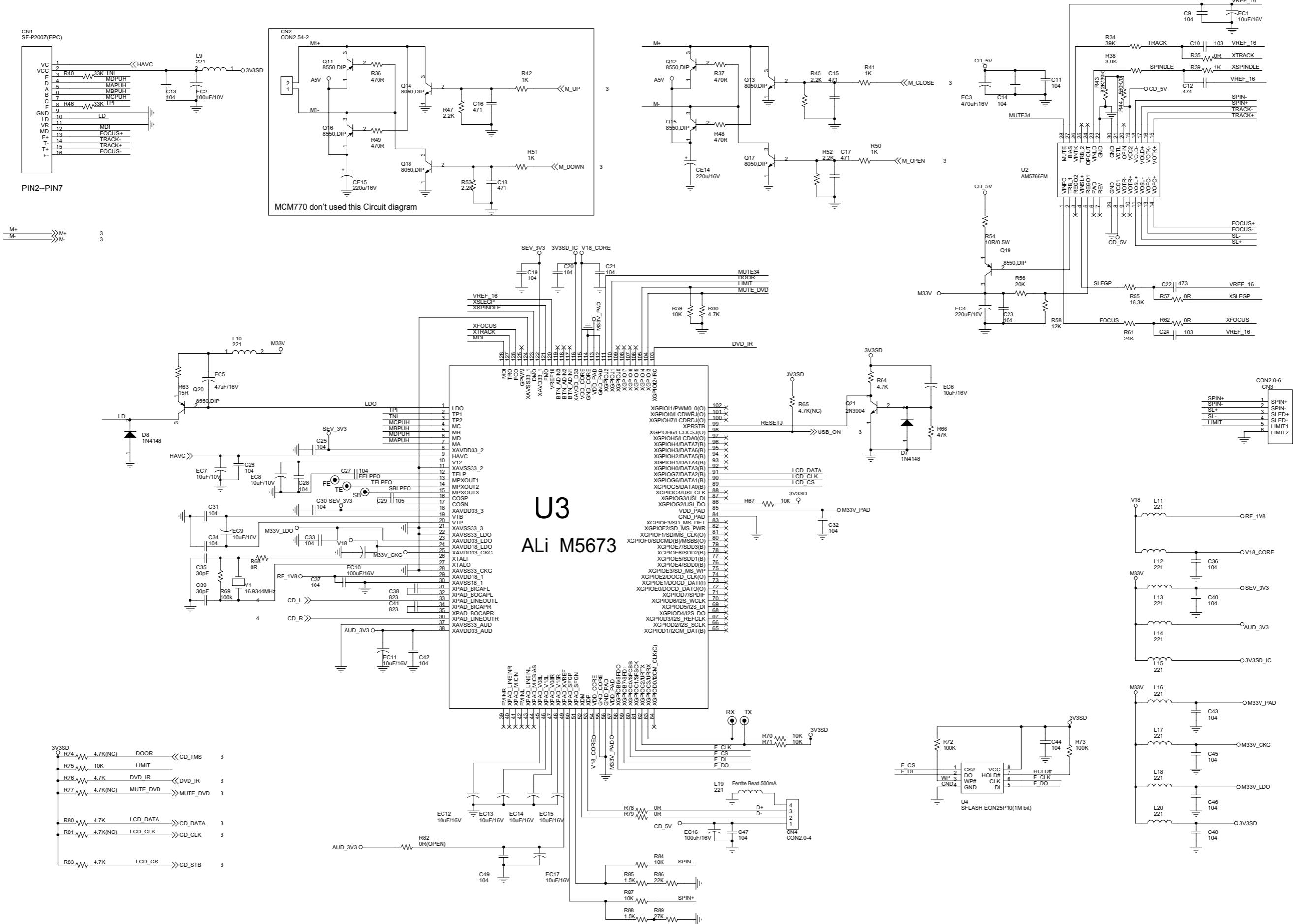
Tuner Board-Layout Diagram



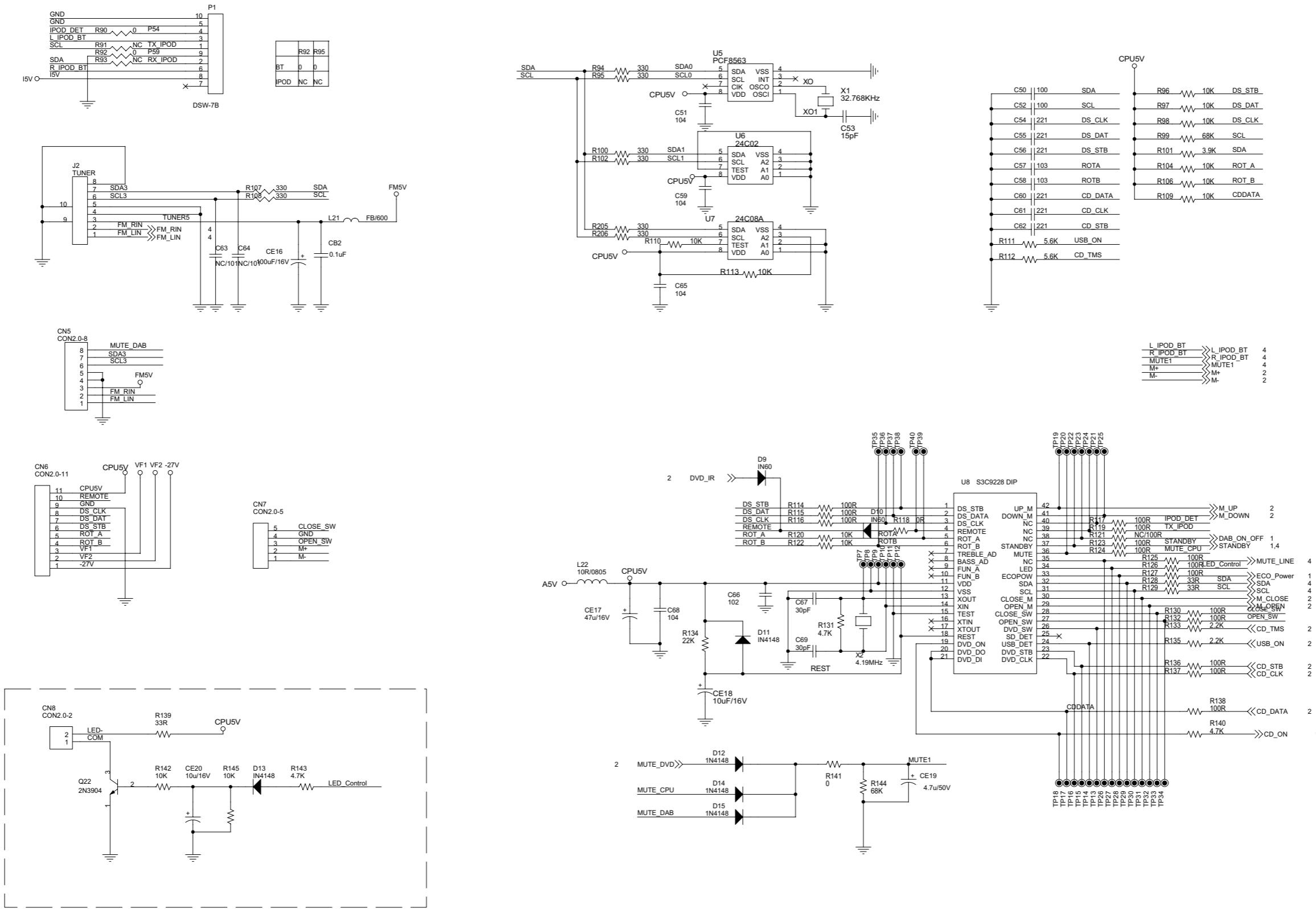
Decoder Board -- Circuit Diagram



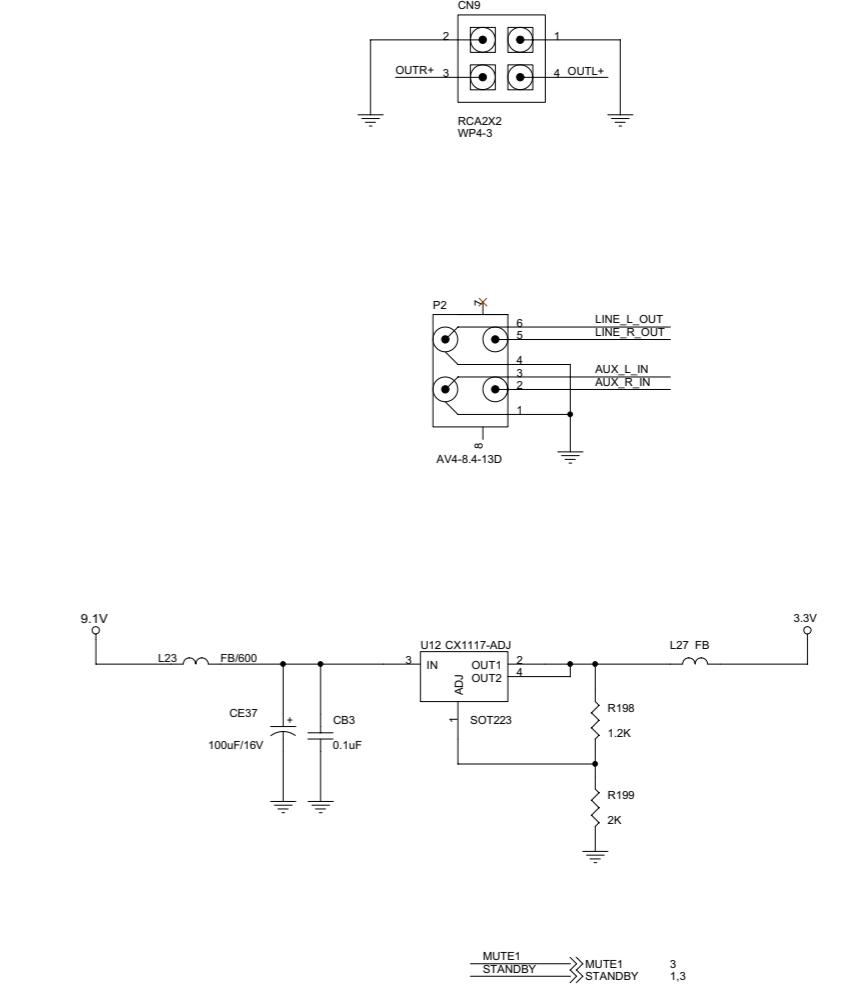
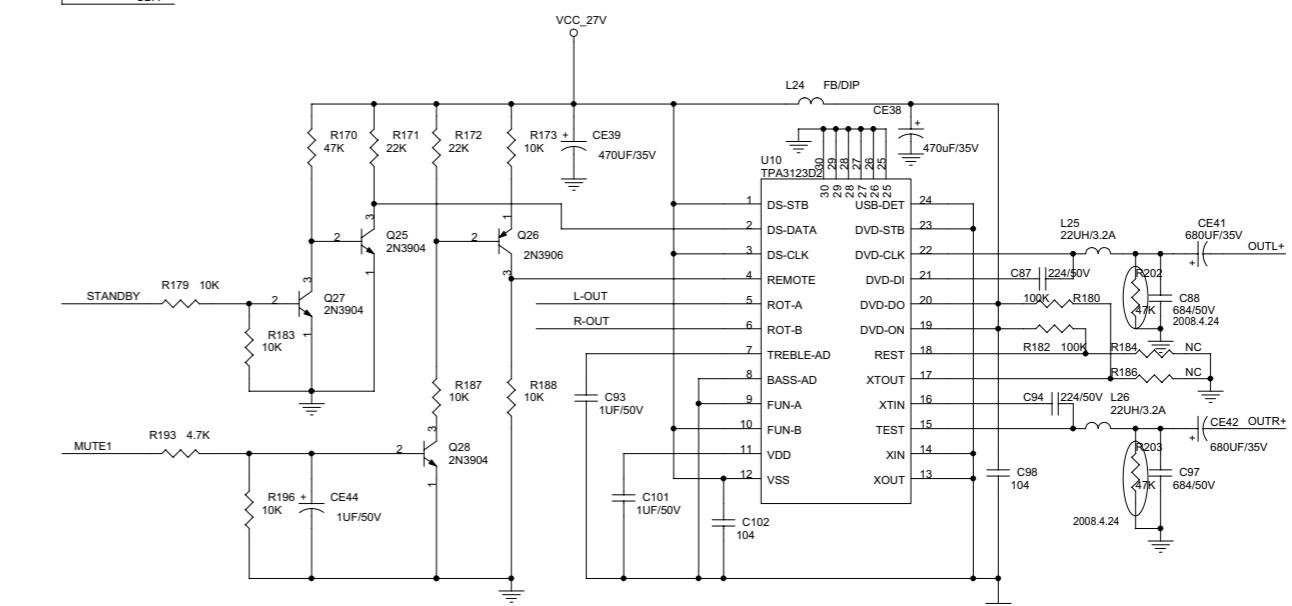
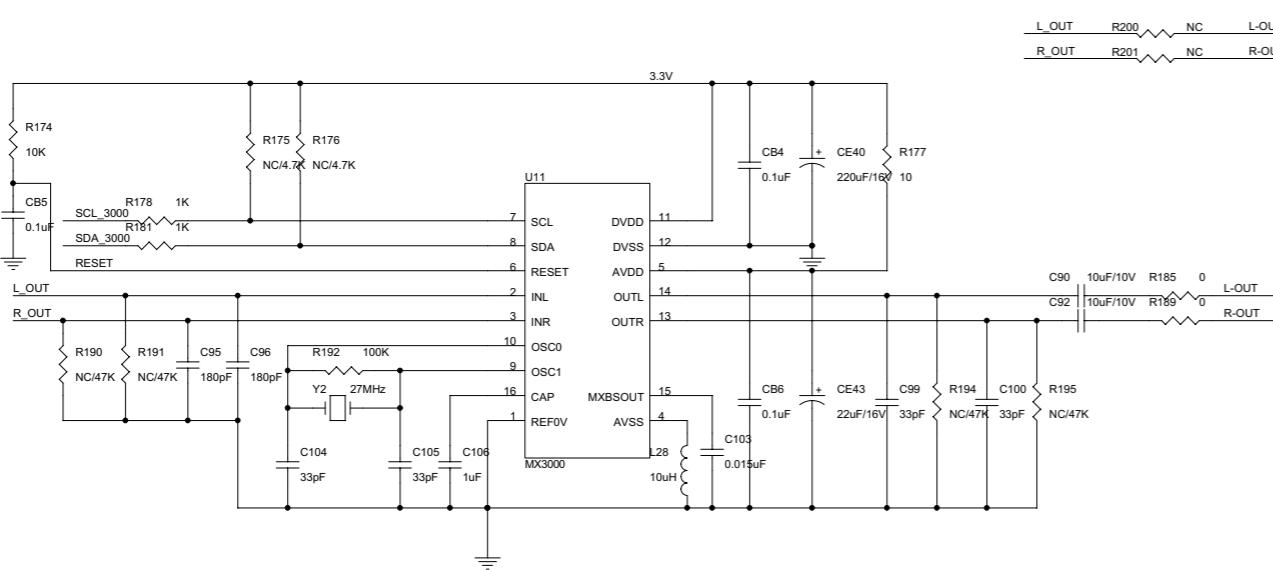
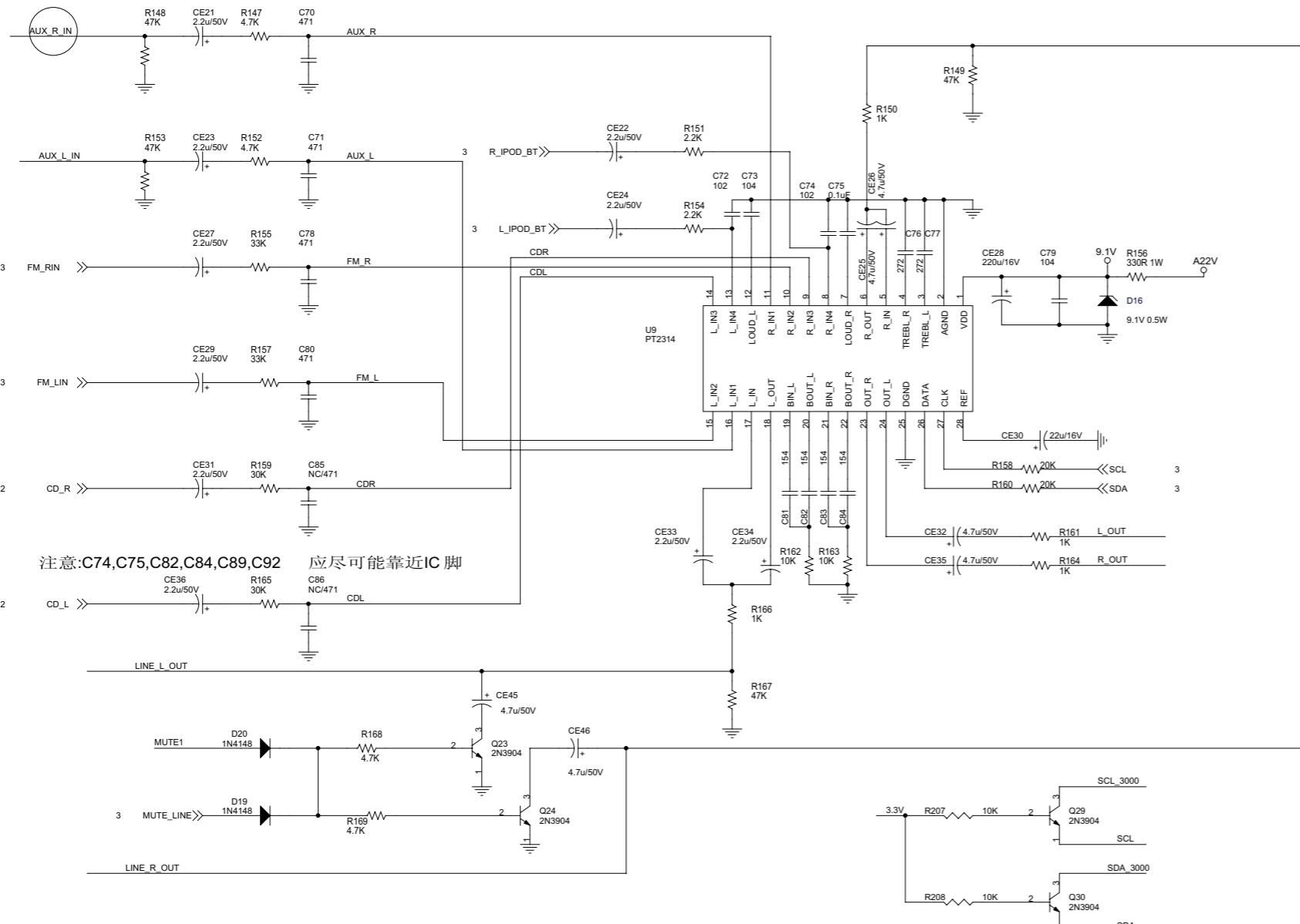
Decoder Board -- Circuit Diagram



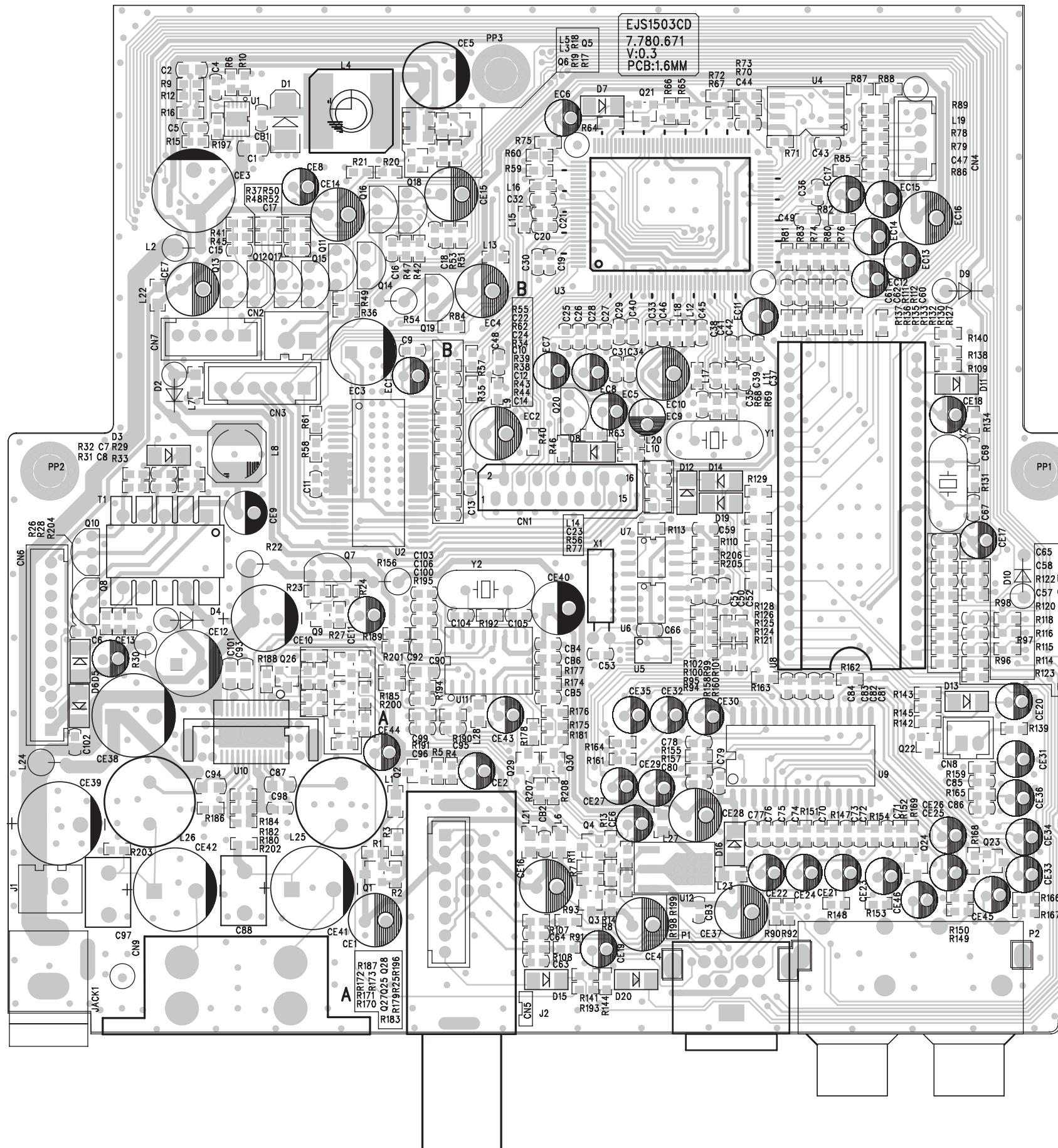
Decoder Board -- Circuit Diagram



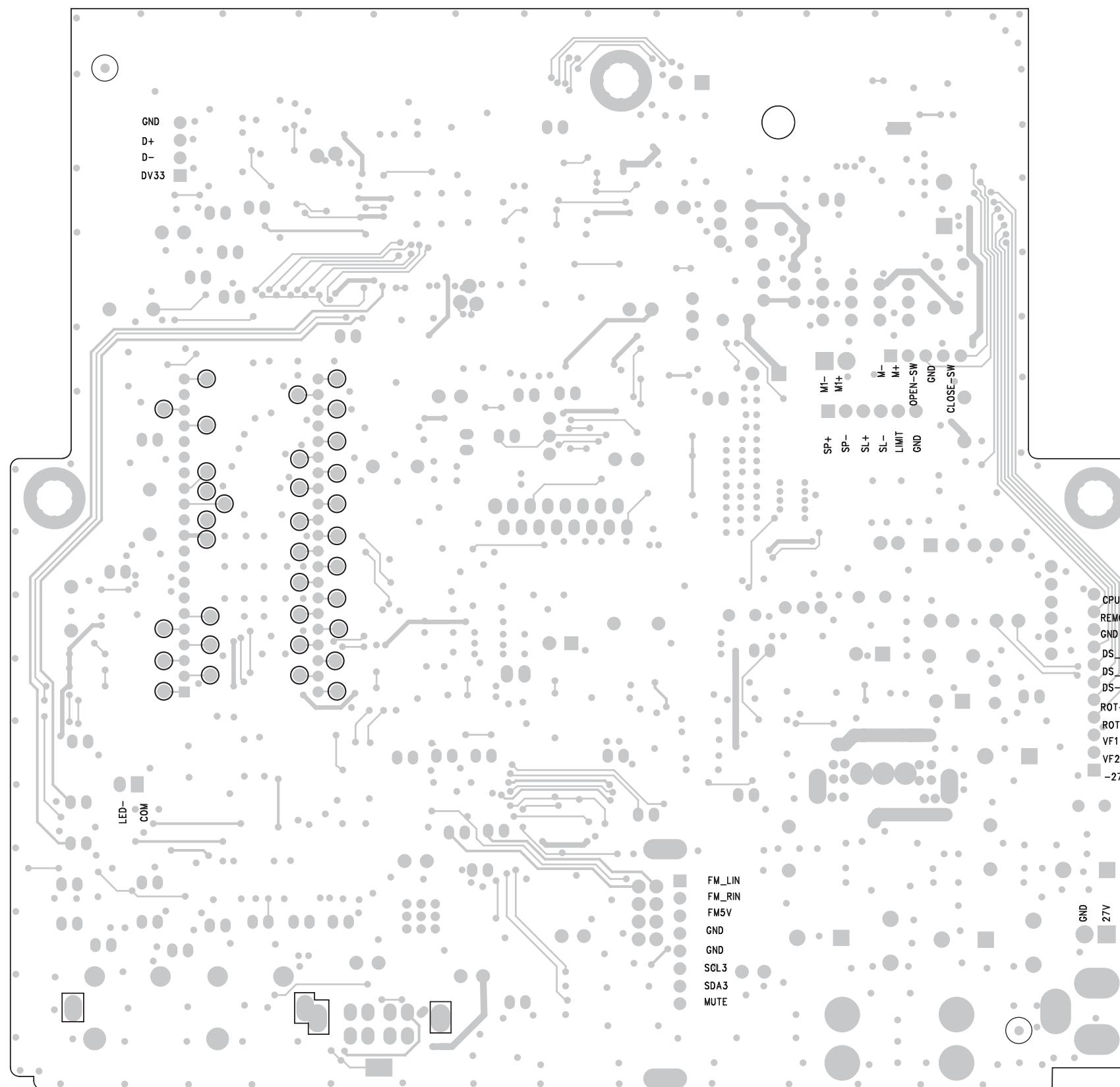
Decoder Board -- Circuit Diagram



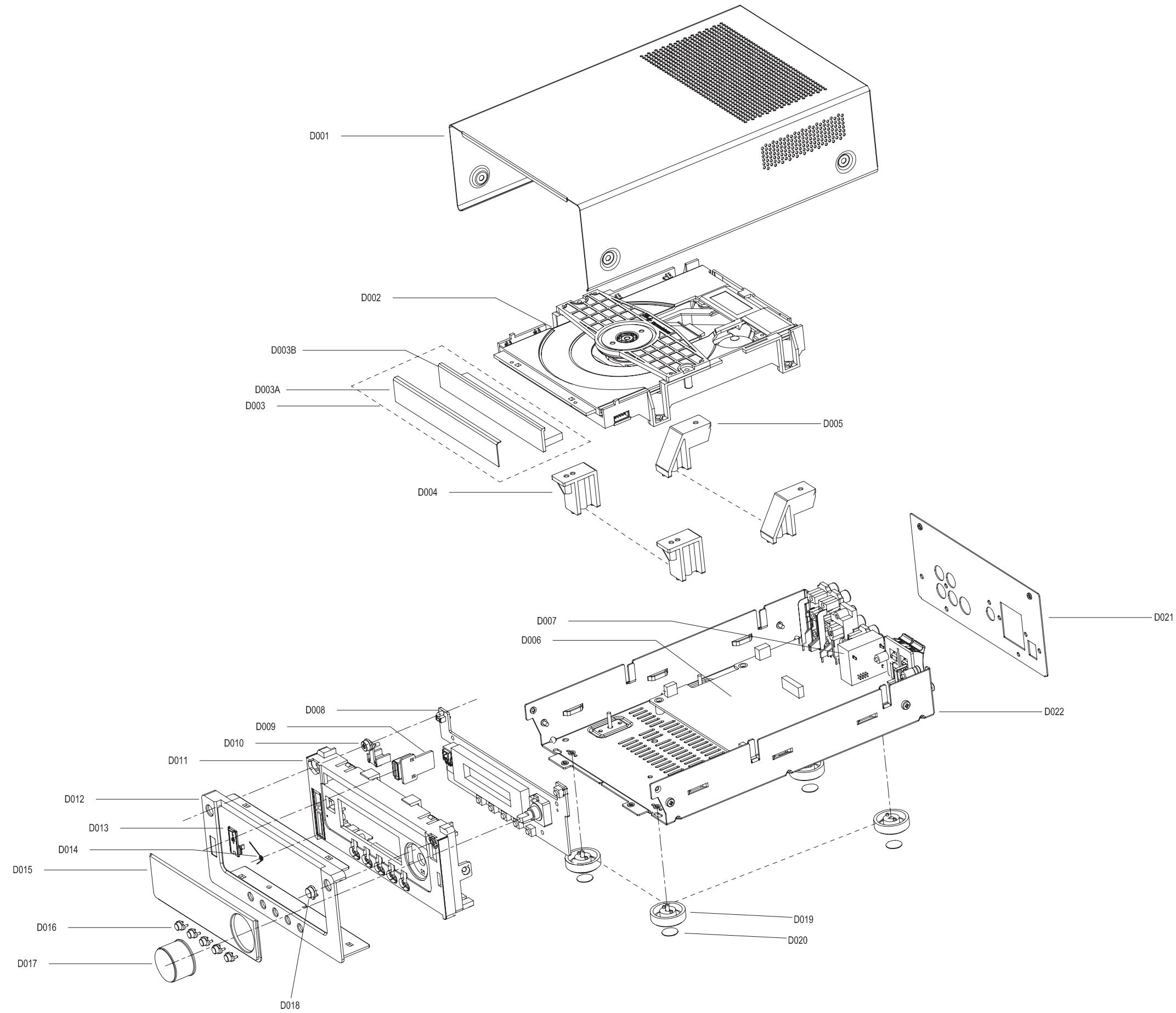
Decoder Board -- Layout Diagram - Top



Decoder Board -- Layout Diagram - Bottom



EXPLODE VIEW



ACCESSORIES PARTS LIST

996510018452	MCM770/12 MAIN BRACKET ASSY
996510018453	SINGLE SPEAKER BOX ASSY-L
996510018454	SINGLE SPEAKER BOX ASSY-R
996510018455	PRC500-49 REMOTE CONTROL
994000004988	AC LINE CORD 1.8M
996500041018	FM ANTENNA WIRE 1.5m
996510015780	AC SWITCHING ADAPTER 27V 2.5A

MECHNICAL&MISCELLANEOUS PARTS

1A	996510018450	FLAT FLEXIBLE CABLE 16PX120
D004	996510018448	MCD770 FRONT CD BRACKET
D005	996510018449	MCD770 BACK CD BRACKET
D013	996510015411	USB DOOR ABS SILVER
D015	996510018447	MCM770 DVD DISPLAY LENS
D019	996510015779	PLASTIC FOOT
D020	996520033990	RUBBER PAD
D002	996510010504	MECHANISM ASSY
D003	996510015409	DVD DOOR ASSY
D006	996510018446	MCM770/12DECODER+MCU PARTS
D009	996510018445	MCM770/12 USB BOARD ASSY
D010	996510015406	STANDBY BUTTON PARTS
D011	996510015773	DVD PLASTIC CABINET ASSY
D017	996510015414	VOLUME KNOB PARTS
D001	996510021719	MCD770 DVD ALUMINIUM TOP COVER

ELECTRICAL PARTS - DISPLAY PCB

300	996500041645	ROT ENCODER
IC701	996510000500	IC PT6311/SC16311/CD16311
S701	994000004961	IR SENSOR BLACK
S701	996510018444	MCD770 IR RECEIVER BRACKET
SW802	996520033923	TACT SWITCH TS-1307-01 6X6X5
SW803	996520033923	TACT SWITCH TS-1307-01 6X6X5
SW804	996520033926	TACT SWITCH HCT-1106W 6X3X4.3
SW805	996520033923	TACT SWITCH TS-1307-01 6X6X5
SW806	996520033923	TACT SWITCH TS-1307-01 6X6X5
SW807	996520033923	TACT SWITCH TS-1307-01 6X6X5
SW809	996520033923	TACT SWITCH TS-1307-01 6X6X5
VFD701	996520033924	VFD DISPLAY NE-770D-1.GB

Note: Only these parts mentioned in the list are normal service parts.

Factory Parts List

Location NO.	12NC	Description
D008		MCM770/12 MAIN UNIT PARTS ASS'Y
R729		MCM770/12 DISPLAY BOARD ASS'Y
R731		CARBON FILM RESISTOR 10K 1/8W J-52
R733		CARBON FILM RESISTOR 10K 1/8W J-52
R734		CARBON FILM RESISTOR 10K 1/8W J-52
R701		CARBON FILM RESISTOR 10 1/2W J-52
R702		CARBON FILM RESISTOR 10 1/2W J-52
R725		CARBON FILM RESISTOR 33K 1/8W J-52
R726		CARBON FILM RESISTOR 33K 1/8W J-52
R727		CARBON FILM RESISTOR 33K 1/8W J-52
R728		CARBON FILM RESISTOR 33K 1/8W J-52
R730		CARBON FILM RESISTOR 4.7K 1/8W J-52
R732		CARBON FILM RESISTOR 47K 1/8W J-52
C709		ELECTROLYTIC CAP.47u 16V L-5 5X5
D701		DIODE 4148-52
D702		DIODE 4148-52
D703		DIODE 4148-52
LED701		LED Φ2 2B4THC-UR101 3.1~3.5V0.18mA
IC701		IC PT6311/SC16311/CD16311
S701		IR SENSOR SMALL BLACK
SW802		TACT SWITCH TS-1307-01 6X6X5
SW803		TACT SWITCH TS-1307-01 6X6X5
SW805		TACT SWITCH TS-1307-01 6X6X5
SW807		TACT SWITCH TS-1307-01 6X6X5
SW809		TACT SWITCH TS-1307-01 6X6X5
SW806		TACT SWITCH TS-1307-01 6X6X5
SW804		TACT SWITCH HCT-1106W 6X3X4.3
VFD701		VFD DISPLAY NE-770D-1.GB
EN300		CODER(ED-1612-00-F15 40-80G)
LAMP		VFD DISPLAY PCB 35-MCD770-01A1
		MCD770 IR RECEIVER BRACKET(ABS)
		NE1503LED LAMP BRACKET ABS BLACK
		28 WIRE 240 2.0/11PX1 2.0/11PX1
		BLACK SPONGE 20X20X2 40°
D009		MCM770/12 USB BOARD ASS'Y
J1401		USB JACK A-TYPE 4P FEMALE 90 DIP TYPE
		USB PCB 35-MCD770-02A1
		26SHIELDING 200 2.0/4PX1 2.0/4PX1
D002		DA11 MECHANISM ASS'Y
		CD MECHANISM (SANYO DA11VZ)
		VCD MECHANISM BRACKET RT-656YV
		SCREW 2.6 X10 PWBB (Φ10) (PLATING)
D006		MCM770/12 DECODER+MCU PARTS ASS'Y
		CPU U252(S3C9228 XYZ-CAN CHANGE)
		DVD DECODER EJS1503CDMP3 108/5766
		MCM770/12 DECODER+MCU SOFTWARE
		MCM770/12 CPU SOFTWARE
		MCM770/12 DECODER SOFTWARE
D017		MCD770 ALUMINIUM VOLUME KNOB
		MCD770 VOLUME KNOB COVER(SILVER)
		MCD770 VOLUME KNOB CORE(ABS)
D010		MCD770 STANDBY BUTTON PARTS
		MCD770 STANDBY BUTTON(ABS)
		MCD770 STANDBY BUTTON BRACKET(ABS)
D011		MCD770 DVD PLASTIC CABINET ASS'Y

Factroy Parts List

Location NO.	12NC	Description
D014	MCD770 USB SPRING Φ 0.4	
D011A	MCD770 DVD PLASTIC FRONT CABINET(HIPS)	
D016	MCD770 FUNCTION BUTTON	
D018	MCD770 OPEN/CLOSE BUTTON(PLATE)	
D003	MCD770 DVD DOOR PARTS(BLACK)	
D003C	SCUTCHEON PHILIPS 22X4.03	
D003A	MCD770 DVD DOOR ALUMINIUM PIECE(BLACK)	
D003B	MCD770 DVD DOOR BRACKET(ABS)	
	MCM770/12 MAIN CASING PARTS ASS'Y	
D012	MCD770 DVD ALUMINUM PANEL(SILVER)	
D022	MCD770 DVD METAL BOTTOM CHASSIS	
D001	MCD770 DVD ALUMINIUM TOP COVER	
	MCM770 MATAL PLATE 109X49X3	
D021	MCM770 CD BACK METAL PLATE	
D015	MCD770 DVD DISPLAY LENS	
D013	MCD770 USB DOOR(ABS)	
D004	MCD770 CD MECHANISM BRACKET(HIPS)	
D005	MCD770 CD MECHANISM BRACKET(HIPS)	
D019	MCD770 PLASTIC FOOT(HIPS)	
D020	MCD770 RUBBER FOOT(Φ 12X1.5 BLACK)	
	SCREW 3 X 5 FMTT (PLATING)	
	SCREW 2.6 X 8 PA (PLATING)	
	SCREW 3 X 5 BMTT (PLATING)	
	PHILIPS TORX T-10 1.5P 3.0X10.0 AB3	
	TORX STTP T-10 3.0X6.0 AB3	
	SCREW 3 X 5 BM (PLATING)	
	SCREW 3 X 10 BA (PLATING)	
	SCREW 3 X 10 PWA (PLATING)	
	SCREW 3 X 15 BMTT	
	TORX T-10 STTT 3.0X6.0 NI	
	TORX T-10 STTB 3.0X6.0 NI	
	FLAT FLEXIBLE CABLE 16PX120X1.0XA	
	26WIRE 120 2.0/6PX2	
	28WIRE 220 2.0/5PX2	
	MCM770/12 SPEAKER BOX ASS'Y(L)	
	MCM770 FREQUENCY DIVIDER ASS'Y	
C1	NON-POLARITG ELEC.CAP.3.3u 100V M SNP	
C2	NON-POLARITG ELEC.CAP.4.7u 100V K SNP	
L2	HOLLOW INDUCTOR 0.3mH	
L1	SILICON INDUCTOR 0.62mH	
	FREQUENCY DIVIDER PCB 35-MCM770-08A1	
	CABLE TIE 150	
	22 SINGLE WIRE 150 BLACK	
	22 SINGLE WIRE 150 RED	
	MCM770/12 SPEAKER BOX ASS'Y(R)	
	PHILIPS SCUTCHEON 20.3X4.2X1.5 SILVER	
	MCD772 GRILLE ABS+10%	
	NON-POLARITG ELEC.CAP.2.2u 50V M SBP5X11	
	SPEAKER SOCKET DDJ-270DH-03 56X56	
	ANTIMAGNETIC WOOFER 3 1/2"4Ω50W	
	TWEETER Φ 20 4Ω5W	
	MCD700 GRILL FIXER φ3X11	
	MCD770 ALUMIMIUM TWEETER CIRCLE	
	MCD772 ALUMIMIUM WOOFER CIRCLE	
	AIR CHIMNEY(DH-2191 Φ 34X77)	

Factory Parts List

Location NO.	12NC	Description
FOOT		MCD770 TWEETER BRACKET HIPS BLACK RUBBER FOOT(Φ12X8X7 BLACK) MCD700 GRILLE FIXER RUBBER(Φ6X6BLACK) ABSORB SPONGE 140X140X10 MCD772 WOODEN BOX 204X128X176 MCD770/12 SPEAKER BOX LABEL 34X20 PHILIPS TORX T-10 1.5P 3.0X10.0 AB3 SCREW 2.6 X 8 BA BLACK SCREW 3 X 16 HA (PLATING) PLASTIC BAG(PE) 40X32cm PHILIPS STENCIL PAPER 62X35cm
C1		MCM770/12 SPEAKER BOX ASS'Y(R)
C2		MCM770 FREQUENCY DIVIDER ASS'Y
L2		NON-POLARITG ELEC.CAP.3.3u 100V M SNP
L1		NON-POLARITG ELEC.CAP.4.7u 100V K SNP HOLLOW INDUCTOR 0.3mH SILICON INDUCTOR 0.62mH FREQUENCY DIVIDER PCB 35-MCM770-08A1 CABLE TIE 150 22 SINGLE WIRE 150 BLACK 22 SINGLE WIRE 150 RED
FOOT		MCM770/12 SPEAKER BOX ASS'Y(R) PHILIPS SCUTCHEON 20.3X4.2X1.5 SILVER MCD772 GRILLE ABS+10% NON-POLARITG ELEC.CAP.2.2u 50V M SBP5X11 SPEAKER SOCKET DDJ-270DH-03 56X56 ANTIMAGNETIC WOOFER 3 1/2"4Ω50W TWEETER Φ20 4Ω5W MCD700 GRILL FIXER φ3X11 MCD770 ALUMIMIUM TWEETER CIRCLE MCD772 ALUMIMIUM WOOFER CIRCLE AIR CHIMNEY(DH-2191 Φ34X77) MCD770 TWEETER BRACKET HIPS BLACK RUBBER FOOT(Φ12X8X7 BLACK) MCD700 GRILLE FIXER RUBBER(Φ6X6BLACK) ABSORB SPONGE 140X140X10 MCD772 WOODEN BOX 204X128X176 MCD770/12 SPEAKER BOX LABEL 34X20 PHILIPS TORX T-10 1.5P 3.0X10.0 AB3 SCREW 2.6 X 8 BA BLACK SCREW 3 X 16 HA (PLATING) PLASTIC BAG(PE) 40X32cm PHILIPS STENCIL PAPER 62X35cm
R1		PRC500-49 REMOTE CONTROL ASS'Y MCM770/12 PRC500-05A REMOTE CONTROL BOARD ASS'Y CHIP RESISTOR 0 1/16W J (0805)
R2		CHIP RESISTOR 680 1/16W J (0805)
C1		ELECTROLYTIC CAP.47u 10V L 4X7
D1		INFRARED-EMITTING DIODE Φ3
Q1		CHIP TRANSISTOR BC817-25(SOT23)
U1		IC TM58PR11S18C REMOTE CONTROL PCB PRC500-A 139X40X1.6 PRC500-05 SOFTWARE A(V1.0)
		PRC500-49 REMOTE CONTROL CASING PART ASS

Factroy Parts List

Location NO.	12NC	Description
		BUTTON BATTERIES 3V CR2025
		CONDUCTIVE RUBBER PRC500-49
		REMOTE SPRING SHEET PCR500
		REMOTE SPRING PCR500 Φ0.6
		IRON BLOCK PCR500 35X26.6X4
		PRC500 REMOTE CONTROL TOP CABINET
		PRC500 REMOTE BOTTOM CHASSIS ABS10894
		PRC500 REMOTE CONTROL BATTERY COVER
		PRC500 REMOTE CONTROL LENS PC
		PRC500 PLATE RING ABS
		INSULATION PAPER 32X24X0.15
		PRC500-49 REMOTE CONTROL LABEL MCM770
		PLASTIC BAG(PE) 20X6cm
		ADD-ONS INSTRUCTION LABEL PH 38X18
		MCM770/12 ACCESSORY PARTS ASS'Y
		? POWER CORD 1.8m VDE APPROVAL
		RCA JACK FM SINGLE WIRE 1.5m
		SPEAKER WIRE 3m
		WARRANTY CARD(PH 9965 100 15858)
		MCM770/12 QUICK START GUIDE En/F
		MCM770/12 QUICK START GUIDE Es/G
		MCM770/12 QUICK START GUIDE Ho/It
		MCM770/12 INSTRUCTION MANUAL -A
		MCM770/12 INSTRUCTION MANUAL -B
		AC SWITCHING ADAPTER TP60S2725
		MCM770/12 PACKING PARTS ASS'Y
		MCM770 POLYFOAM
		PLASTIC BAG(PE) 45X25cm PHILIPS
		PLASTIC BAG(PE) 25X10cm
		PLASTIC BAG(PE) 29X18cm PHILIPS
		PASSED LABEL Φ13
		LASER WARNING LABEL PH Φ15 BLACK
		MCM770/12 GIFT BOX
		MCM770/12 GIFT BOX LABEL 91X111
		MCM770/12 DVD UNIT MAIN LABEL 52X30
		MCM770/12 POS BILLBOARD
		VIGYAZAT LABEL PH 56X15
		CHRANTE LABEL PH 59X12
		UWAGALABEL PH 36X12
		POZOR LABEL PH 36X12
		MCM770/12 MAINFRAME GLASS BRACKET PARTS
		PERSPEX BRACKET 253X169X6 HPILIPS 877C
		MCD705 BRACKET FOOT SILVER ABS
		MCD705 BRACKET FOOT COVER SILVER ABS
		MCD705 RUBBER-FOOT Φ4X6
		SCREW 5.8X16FA (PLATING)
		PLASTIC BAG(PE) 33X22cm