

# PROLOGY DVD-555

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## SERVICE MANUAL V1.0

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### SPECIFICATION

Power requirement	12V DC car battery (negative earth)
Operating temperature	-10    +65
Storage temperature	-20    +70
Operational humidity	10%   80%
Atmosphere pressure	860mbar   1060mbar

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# PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS

CAUTION: DO NOT ATTEMPT TO MODIFY THIS PRODUCT IN ANY WAY AND NEVER PERFORM CUSTOMIZED INSTALLATIONS WITHOUT MANUFACTURER'S APPROVAL. UNAUTHORIZED MODIFICATIONS WILL NOT ONLY VOID THE WARRANTY, BUT MAY LEAD TO YOUR BEING LIABLE FOR ANY RESULTING PROPERTY DAMAGE OR USER INJURY.

SERVICE WORK SHOULD BE PERFORMED ONLY AFTER YOU ARE THOROUGHLY FAMILIAR WITH ALL OF THE FOLLOWING SAFETY CHECKS AND SERVICING GUIDELINES. TO DO OTHERWISE, INCREASES THE RISK OF POTENTIAL HAZARDS AND INJURY TO THE USER.

WHILE SERVICING, USE AN ISOLATION TRANSFORMER FOR PROTECTION FROM A.C. LINE SHOCK.

## SAFETY CHECKS

AFTER THE ORIGINAL SERVICE PROBLEM HAS BEEN CORRECTED, A CHECK SHOULD BE MADE OF THE FOLLOWING.

### SUBJECT: FIRE & SHOCK HAZARD

1. BE SURE THAT ALL COMPONENTS ARE POSITIONED IN SUCH A WAY AS TO AVOID POSSIBILITY OF ADJACENT COMPONENT SHORTS. THIS IS ESPECIALLY IMPORTANT ON THOSE MODULES WHICH ARE TRANSPORTED TO AND FROM THE REPAIR SHOP.

2. NEVER RELEASE A REPAIR UNLESS ALL PROTECTIVE DEVICES SUCH AS INSULATORS, BARRIERS, COVERS, SHIELDS, STRAIN RELIEFS, POWER SUPPLY CORDS, AND OTHER HARDWARE HAVE BEEN REINSTALLED PER ORIGINAL DESIGN. BE SURE THAT THE SAFETY PURPOSE OF THE POLARIZED LINE PLUG HAS NOT BEEN DEFEATED.

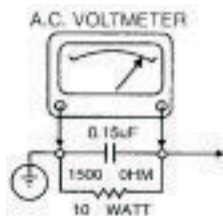
3. SOLDERING MUST BE INSPECTED TO DISCOVER POSSIBLE COLD SOLDER JOINTS, SOLDER SPLASHES OR SHARP SOLDER POINTS. BE CERTAIN TO REMOVE ALL LOOSE FOREIGN PARTICLES.

4. CHECK FOR PHYSICAL EVIDENCE OF DAMAGE OR DETERIORATION TO PARTS AND COMPONENTS, FOR FRAYED LEADS AND DAMAGED INSULATION (INCLUDING A.C. CORD), AND REPLACE IF NECESSARY FOLLOW ORIGINAL LAYOUT, LEAD LENGTH AND DRESS.

5. NO LEAD OR COMPONENT SHOULD TOUCH A RECEIVING TUBE OR A RESISTOR RATED AT 1 WATT OR MORE. LEAD TENSION AROUND PROTRUDING METAL SURFACES MUST BE AVOIDED.

6. ALL CRITICAL COMPONENTS SUCH AS FUSES, FLAMEPROOF RESISTORS, CAPACITORS, ETC. MUST BE REPLACED WITH EXACT FACTORY TYPES. DO NOT USE REPLACEMENT COMPONENTS OTHER THAN THOSE SPECIFIED OR MAKE UNRECOMMENDED CIRCUIT MODIFICATIONS.

7. AFTER RE-ASSEMBLY OF THE SET, ALWAYS PERFORM AN A.C. LEAKAGE TEST ON ALL EXPOSED METALLIC PARTS OF THE CABINET, (THE CHANNEL SELECTOR KNOB, ANTENNA TERMINALS, HANDLE AND SCREWS) TO BE SURE THE SET IS SAFE TO OPERATE WITHOUT DANGER OF ELECTRICAL SHOCK. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST, MAKE SURE TO USE AN A.C. VOLTMETER. HAVING 5000 OHMS PER VOLT OR MORE SENSITIVITY, IN THE FOLLOWING MANNER; CONNECT A 1500 OHMS 10 WATT RESISTOR, PARALLELED BY A .15 MFD. 150V A.C. TYPE CAPACITOR BETWEEN A KNOWN GOOD EARTH GROUND (WATER PIPE, CONDUIT, ETC.) AND THE EXPOSED METALLIC PARTS ONE AT A TIME. MEASURE THE A.C. VOLTAGE ACROSS THE COMBINATION OF 1500 OHM RESISTOR AND 15 MFD CAPACITOR REVERSE THE A.C. PLUG AND REPEAT A.C. ANY VOLTAGE MEASUREMENTS FOR EACH EXPOSED METALLIC PART. VOLTAGE MEASURED MUST NOT EXCEED 75 VOLTS R.M.S. THIS CORRESPONDS TO 0.5 MILLIAMPS A.C. ANY VALUE EXCEEDING THIS LIMIT CONSTITUTES A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED IMMEDIATELY.



GOOD EARTH GROUND SUCH AS THE WATER PIPE, CONDUIT, ETC.

PLACE THIS PROBE ON EACH EXPOSED METAL PART

### SUBJECT: X-RADIATION

1. BE SURE PROCEDURES AND INSTRUCTIONS TO ALL SERVICE PERSONNEL COVER THE SUBJECT OF X-RADIATION. THE ONLY POTENTIAL SOURCE OF X-RAYS IN CURRENT TV. RECEIVERS IS THE PICTURE TUBE. HOWEVER, THIS TUBE DOES NOT EMIT X-RAYS WHEN THE HIGH VOLTAGE IS AT THE FACTORY SPECIFIED LEVEL. THE PROPER VALUE IS GIVEN IN THE APPLICABLE SCHEMATIC. OPERATION AT HIGHER VOLTAGES MAY CAUSE A FAILURE OF THE PICTURE TUBE OR HIGH VOLTAGE SUPPLY AND UNDER CERTAIN CIRCUMSTANCES, MAY PRODUCE RADIATION IN EXCESS OF DESIRABLE LEVELS.

2. ONLY FACTORY SPECIFIED C.R.T ANODE CONNECTORS MUST BE USED. DEGAUSSING SHIELDS ALSO SERVE AS AN X-RAY SHIELD IN COLOR SETS, ALWAYS RE-INSTALL THEM.

3. IT IS ESSENTIAL THAT SERVICE PERSONNEL HAVE AVAILABLE AN ACCURATE AND RELIABLE HIGH VOLTAGE METER. THE CALIBRATION OF THE METER SHOULD BE CHECKED PERIODICALLY AGAINST A REFERENCE STANDARD, SUCH AS THE ONE AVAILABLE AT YOUR DISTRIBUTOR.

4. WHEN THE HIGH VOLTAGE CIRCUITRY IS OPERATING PROPERLY, THERE IS NO POSSIBILITY OF AN ACCURATE AND RELIABLE HIGH VOLTAGE METER. THE CALIBRATION OF THE METER SHOULD BE CHECKED PERIODICALLY AGAINST A REFERENCE STANDARD, SUCH AS THE ONE AVAILABLE AT YOUR DISTRIBUTOR.

5. WHEN TROUBLESHOOTING AND MAKING TEST MEASUREMENTS IN A PRODUCT WITH A PROBLEM OF EXCESSIVE HIGH VOLTAGE AVOID BEING UNNECESSARILY CLOSE TO THE PICTURE TUBE AND THE HIGH VOLTAGE SUPPLY DO NOT OPERATE THE PRODUCT LONGER THAN IT IS NECESSARY TO LOCATE THE CAUSE OF EXCESSIVE VOLTAGE.

6. REFER TO HV. B+ AND SHUTDOWN ADJUSTMENT PROCEDURES DESCRIBED IN THE APPROPRIATE SCHEMATIC AND DIAGRAMS (WHERE USED).

### SUBJECT: IMPLOSION

1. ALL DIRECT VIEWED PICTURE TUBES ARE EQUIPPED WITH AN INTEGRAL IMPLOSION PROTECTION SYSTEM, BUT CARE SHOULD BE TAKEN TO AVOID DAMAGE DURING INSTALLATION, AVOID SCRATCHING THE TUBE. IF SCRATCHED REPLACE IT.

2. USE ONLY RECOMMENDED FACTORY REPLACEMENT TUBES.

### SUBJECT: TIPS ON PROPER INSTALLATION

1. NEVER INSTALL ANY PRODUCT IN A CLOSED-IN RECESS, CUBBYHOLE OR CLOSELY FITTING SHELF SPACE, OVER OR CLOSE TO HEAT DUCT, OR IN THE PATH OF HEATED AIR FLOW.

2. AVOID CONDITIONS OF HIGH HUMIDITY SUCH AS: OUTDOOR PATIO INSTALLATIONS WHERE DEW IS A FACTOR, NEAR STEAM RADIATORS WHERE STEAM LEAKAGE IS A FACTOR, ETC.

3. AVOID PLACEMENT WHERE DRAPERIES MAY OBSTRUCT REAR VENTING. THE CUSTOMER SHOULD ALSO AVOID THE USE OF DECORATIVE, SCARVES OR OTHER COVERINGS WHICH MIGHT OBSTRUCT VENTILATION.

4. WALL AND SHELF MOUNTED INSTALLATIONS USING A COMMERCIAL MOUNTING KIT, MUST FOLLOW THE FACTORY APPROVED MOUNTING INSTRUCTIONS. A PRODUCT MOUNTED TO A SHELF OR PLATFORM MUST RETAIN ITS ORIGINAL FEET (OR THE EQUIVALENT THICKNESS IN SPACERS), TO PROVIDE ADEQUATE AIR FLOW ACROSS THE BOTTOM. BOLTS OR SCREWS USED FOR FASTENERS MUST NOT TOUCH ANY PARTS OR WIRING. PERFORM LEAKAGE TEST ON CUSTOMIZED INSTALLATIONS.

5. CAUTION CUSTOMERS AGAINST THE MOUNTING OF A PRODUCT ON SLOPING SHELF OR A TILTED POSITION, UNLESS THE PRODUCT IS PROPERLY SECURED.

6. A PRODUCT ON A ROLL-ABOUT CART SHOULD BE STABLE ON ITS MOUNTING TO THE CART. CAUTION THE CUSTOMER ON THE HAZARDS OF TRYING TO ROLL A CART WITH SMALL CASTERS ACROSS THRESHOLDS OR DEEP PILE CARPETS.

7. CAUTION CUSTOMERS AGAINST THE USE OF A CART OR STAND WHICH HAS NOT BEEN LISTED BY UNDERWRITERS LABORATORIES, INC. FOR USE WITH THEIR SPECIFIC MODEL OF TELEVISION RECEIVER OR GENERICALLY APPROVED FOR USE WITH TV'S OF THE SAME OR LARGER SCREEN SIZE.

8. CAUTION CUSTOMERS AGAINST THE USE OF EXTENSION CORDS. EXPLAIN THAT A FOREST OF EXTENSIONS SPROUTING FROM A SINGLE OUTLET CAN LEAD TO DISASTROUS CONSEQUENCES TO HOME AND FAMILY.

### SUBJECT GRAPHIC SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# SERVICING PRECAUTIONS

CAUTION : Before servicing the DVD covered by this service data and its supplements and ADDENDUMS, read and follow the *SAFETY PRECAUTIONS NOTE* : if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publications, always follow the safety Precautions.

*Remember Safety First:*

## General Servicing Precautions

1. Always unplug the DVD DC power cord from the DC power source before:
  - (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
  - (2) Disconnection or reconnecting any internal electrical plug or other electrical connection.  
**Caution** : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
2. Do not spray chemicals on or near this DVD or any of its assemblies.
3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cotton-tipped swab, or comparable soft applicator. Unless specified otherwise in this service data, lubrication of contacts is not required.
4. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.
5. Do not apply AC power to this DVD and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed
6. Always connect test instrument ground lead to the appropriate ground before connection the test instrument positive lead. Always remove the test instrument ground lead last.

## Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M ohm.

**Note 1** : Accessible Conductive Parts including Metal panels, input terminals, Earphone jacks, etc.

## Electrostatically Sensitive (ES) Devices

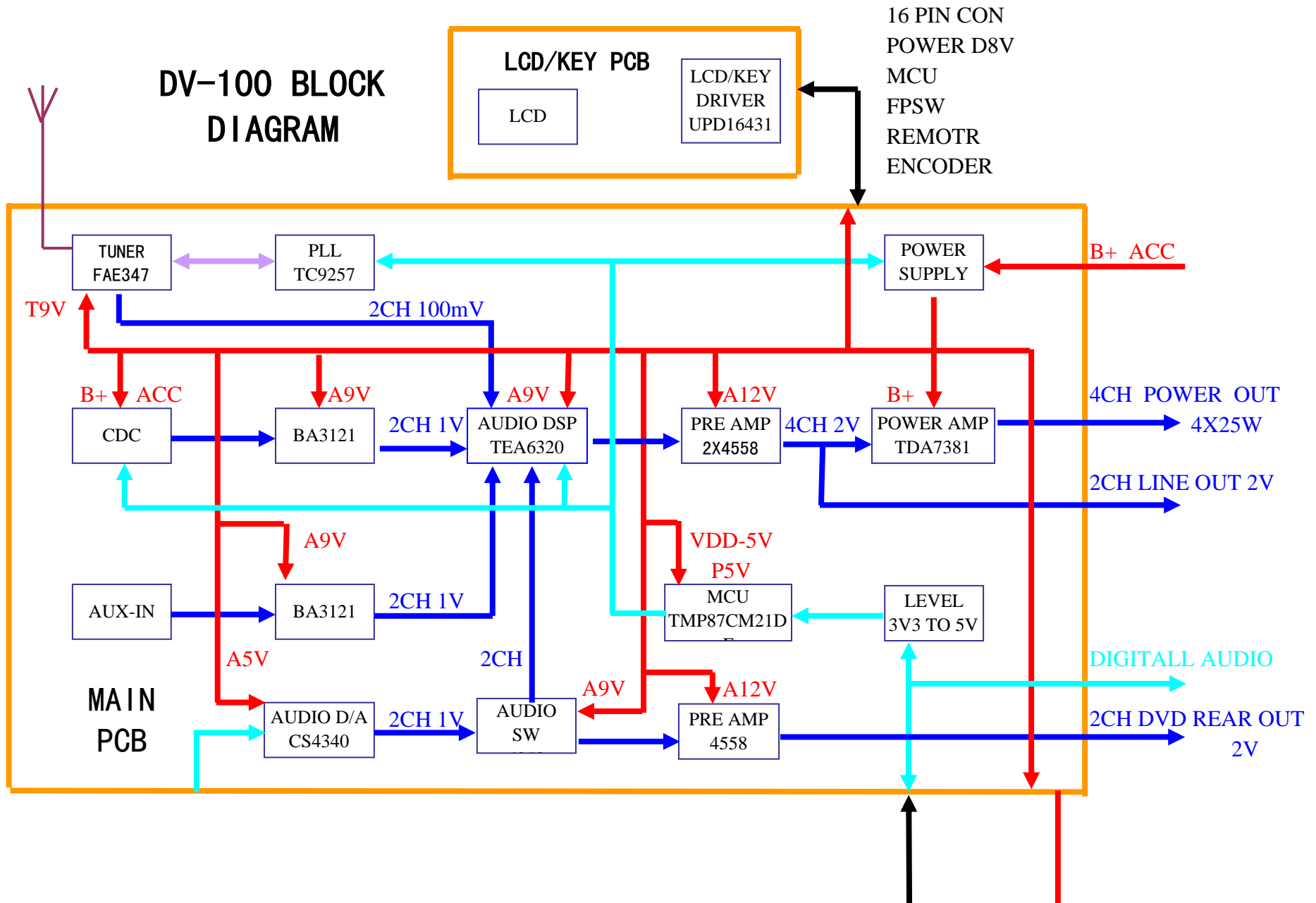
Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

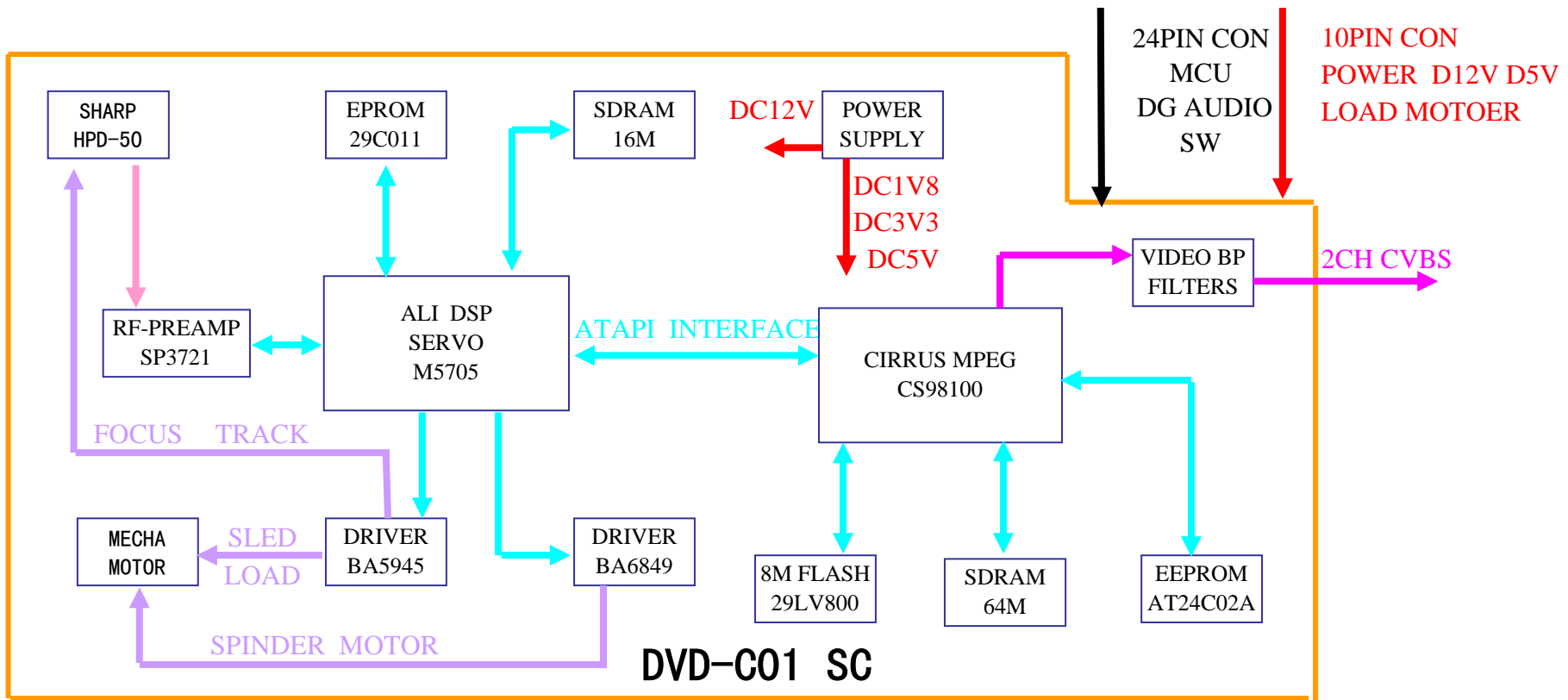
1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a GROUNDED-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified a "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material.)
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

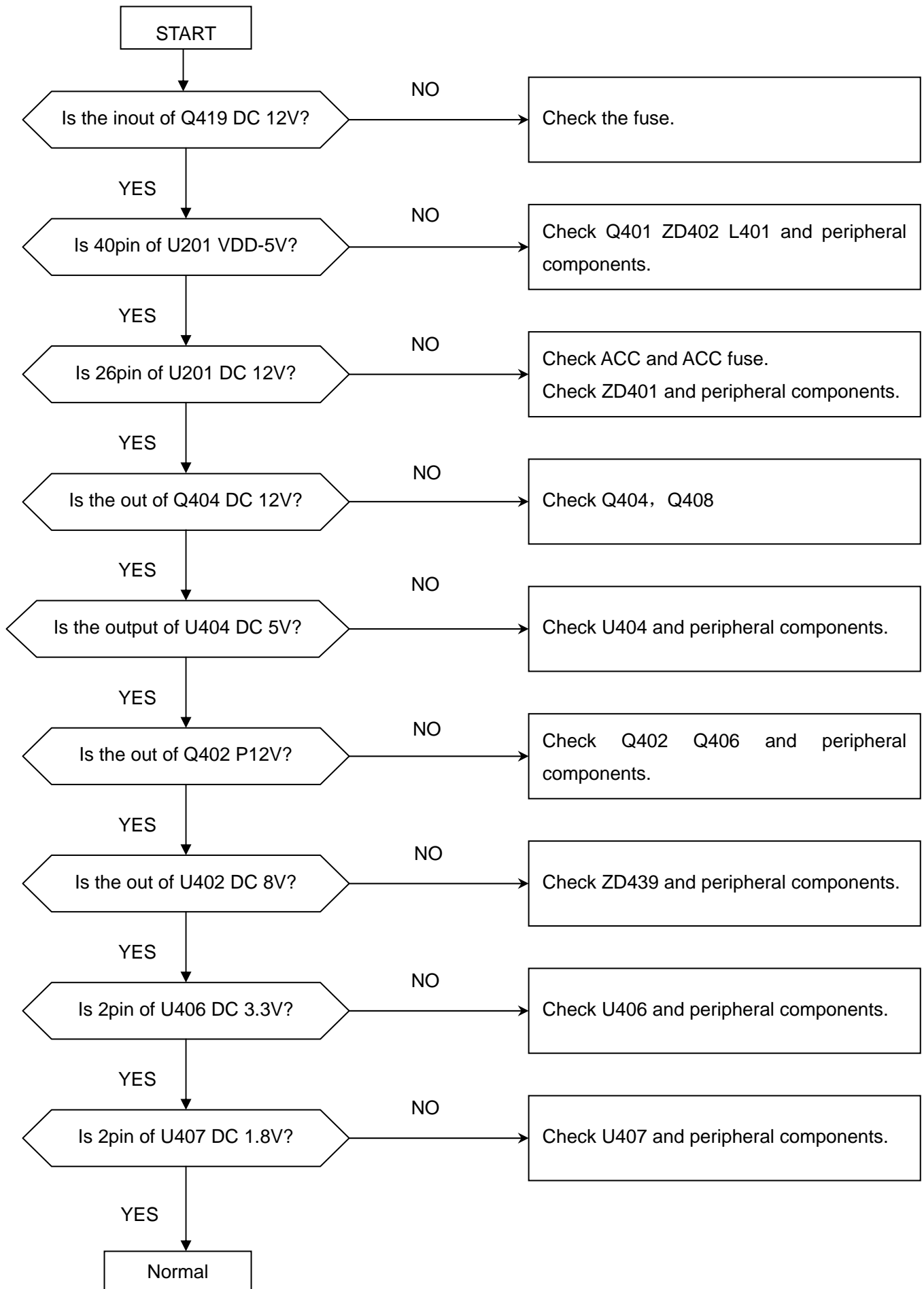
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

# DV-100 BLOCK DIAGRAM

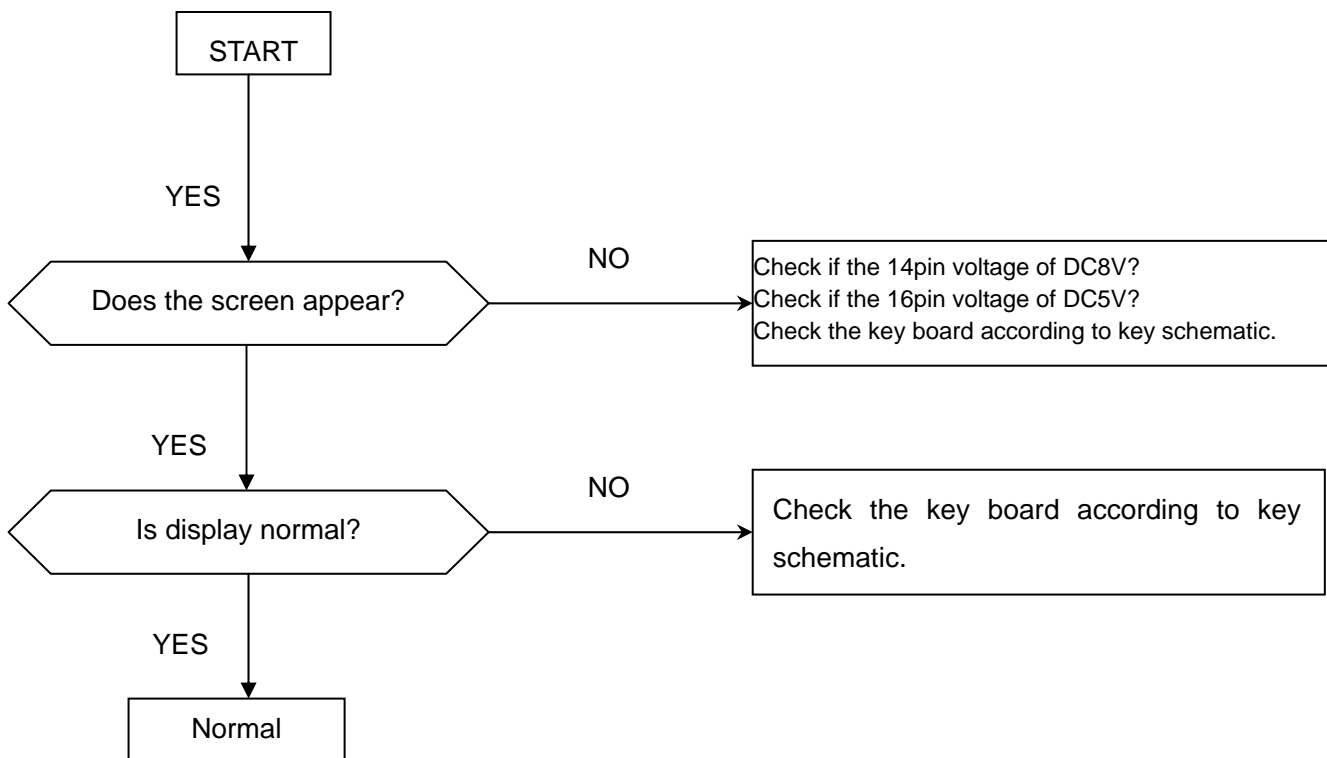




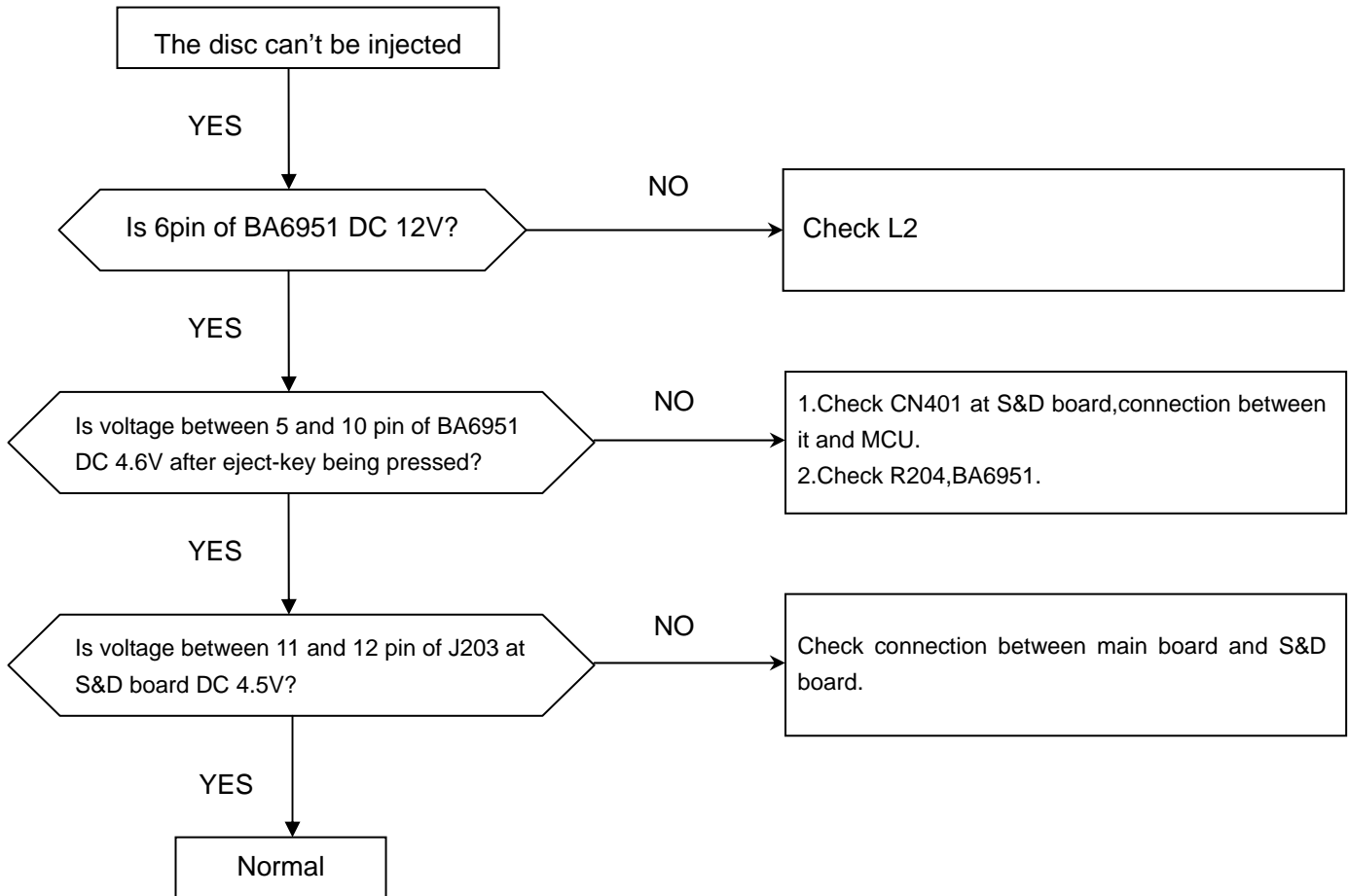
## A Power Circuit abnormal (For main board)



## B Display abnormal (For main board)

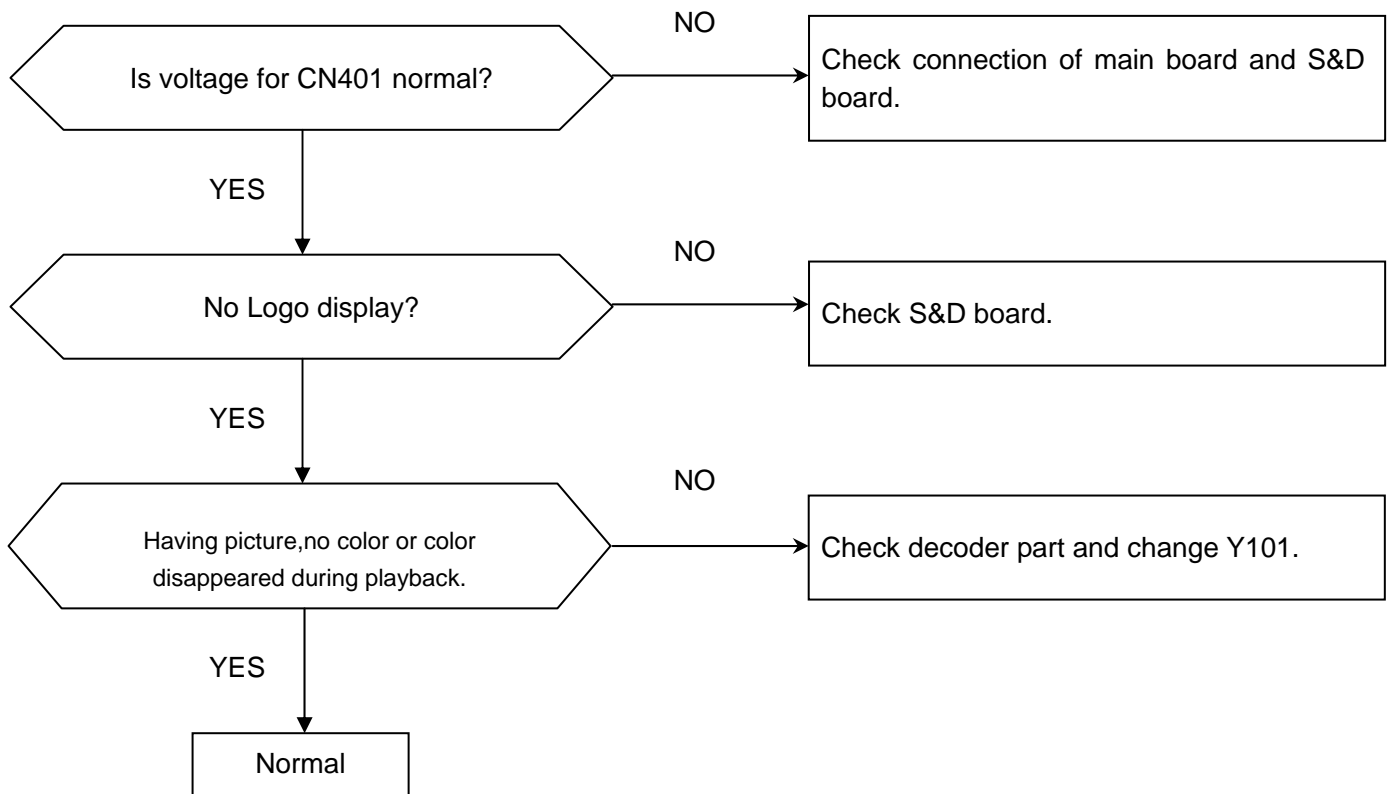


## C IN/OUT abnormal (For main board)

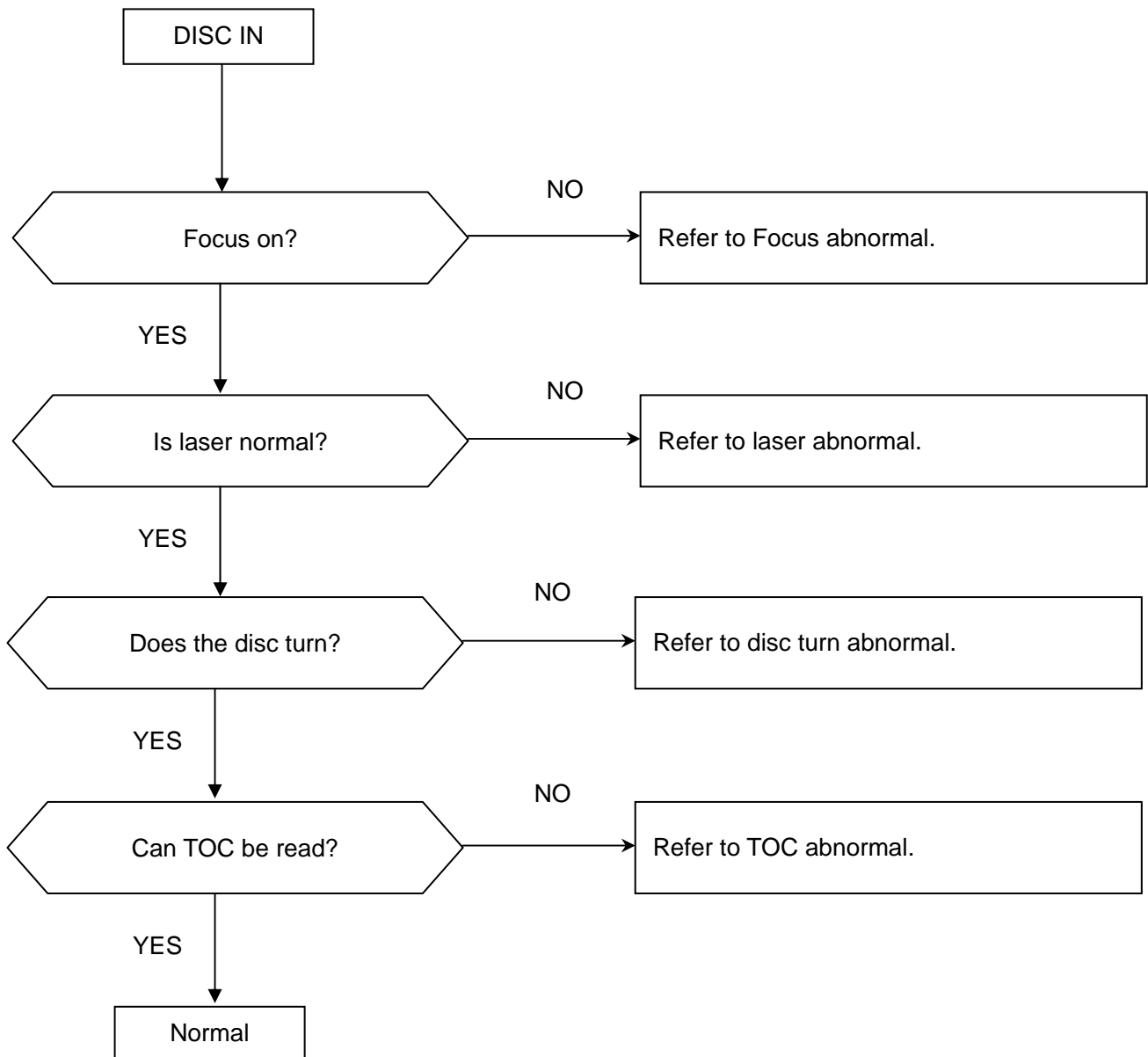




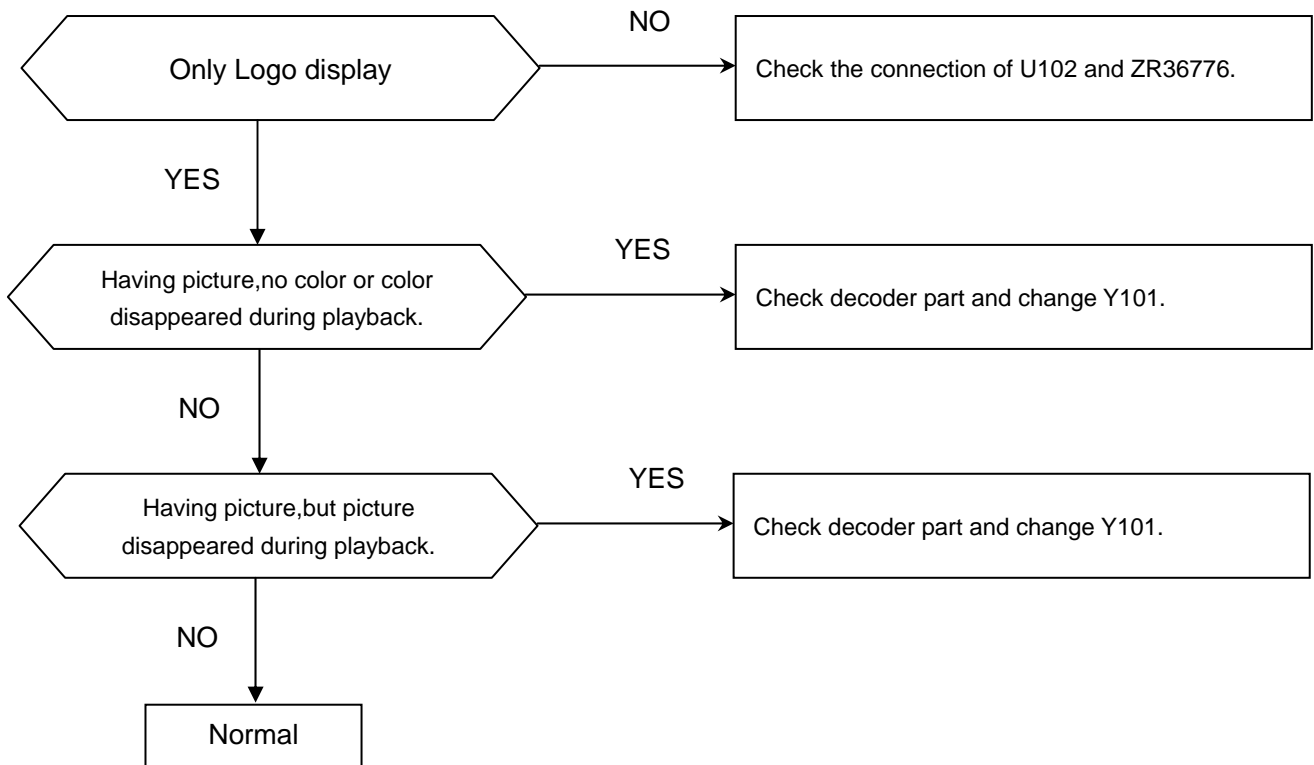
## D Logo display abnormal (For S&D board(Servo and Decoder board))



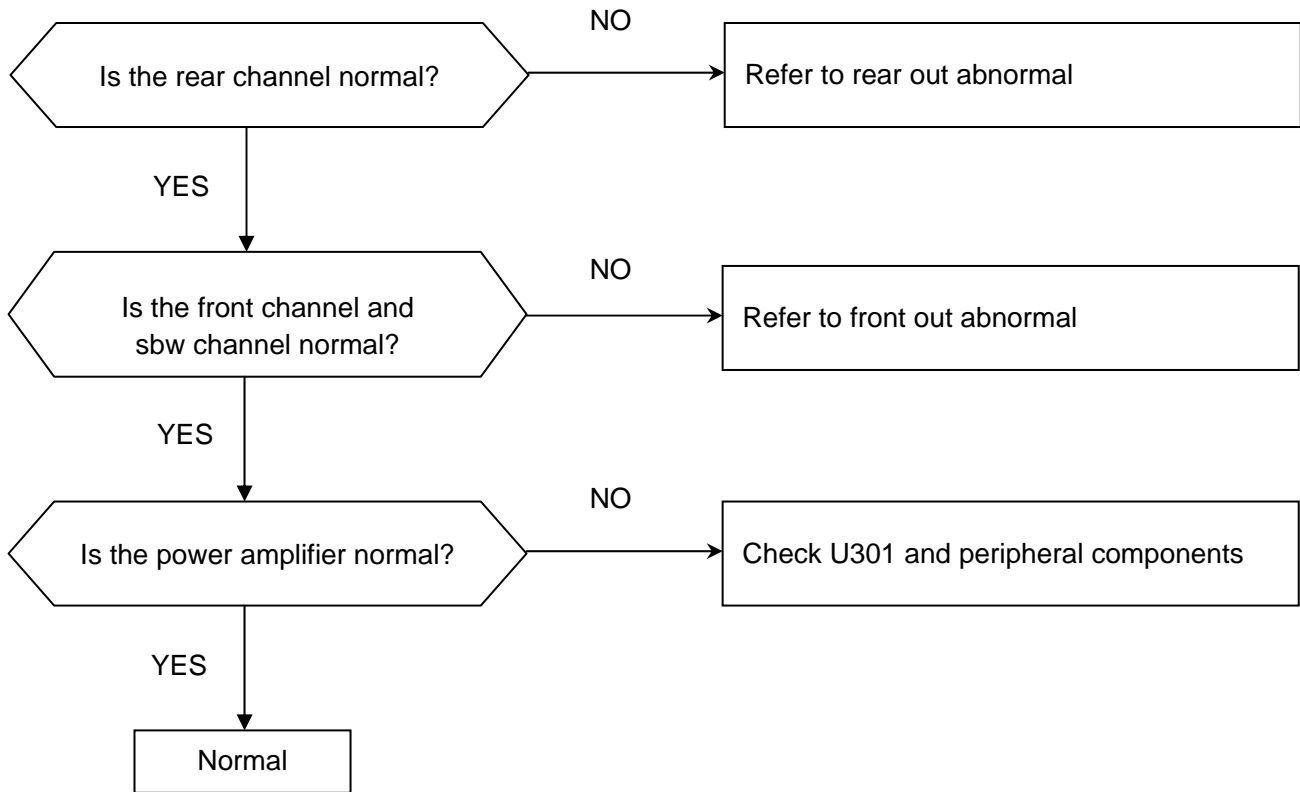
## E Read disc abnormal (For S&D board)



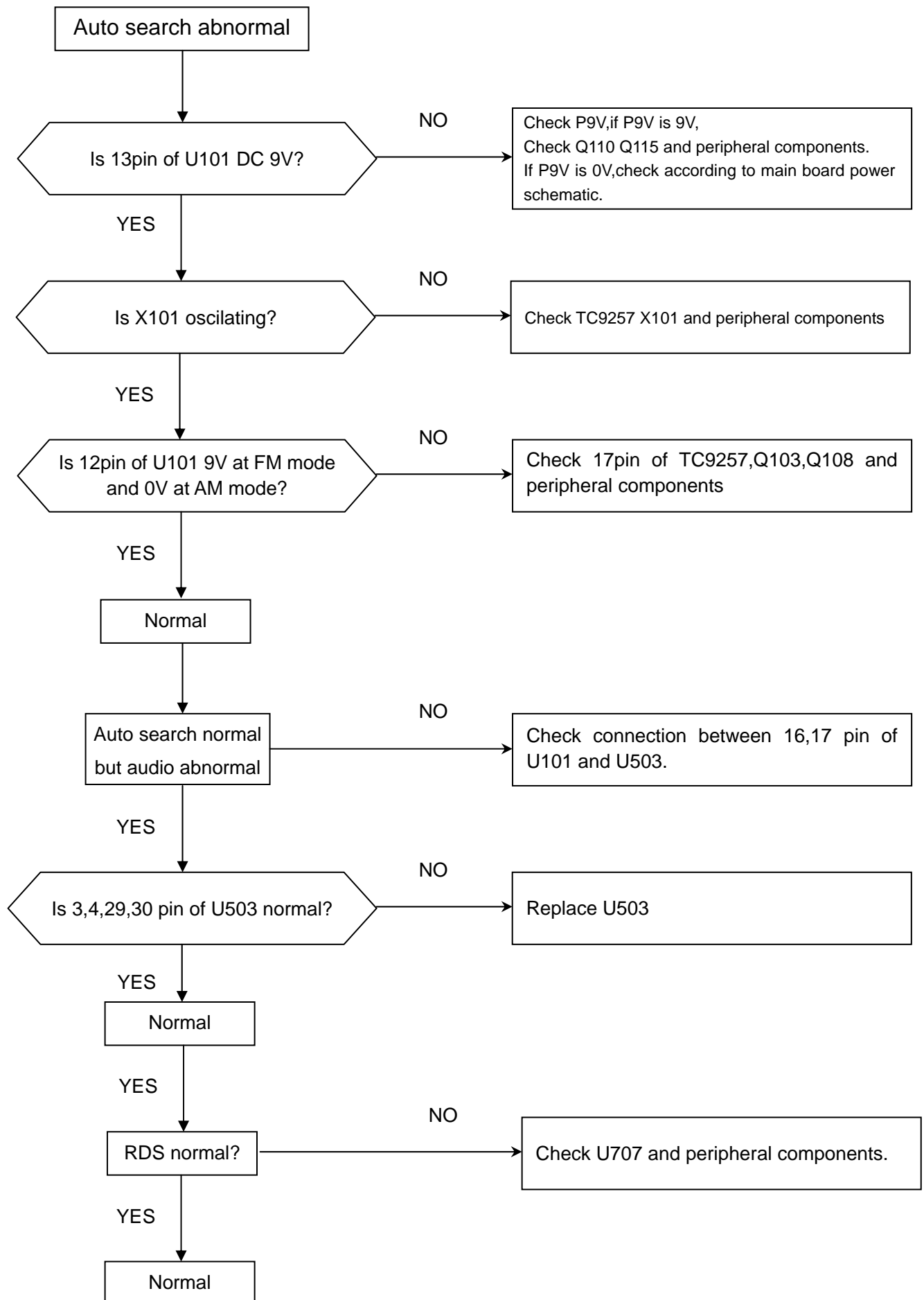
## F Video abnormal (For S&D board)



## G Audio abnormal (For main board)

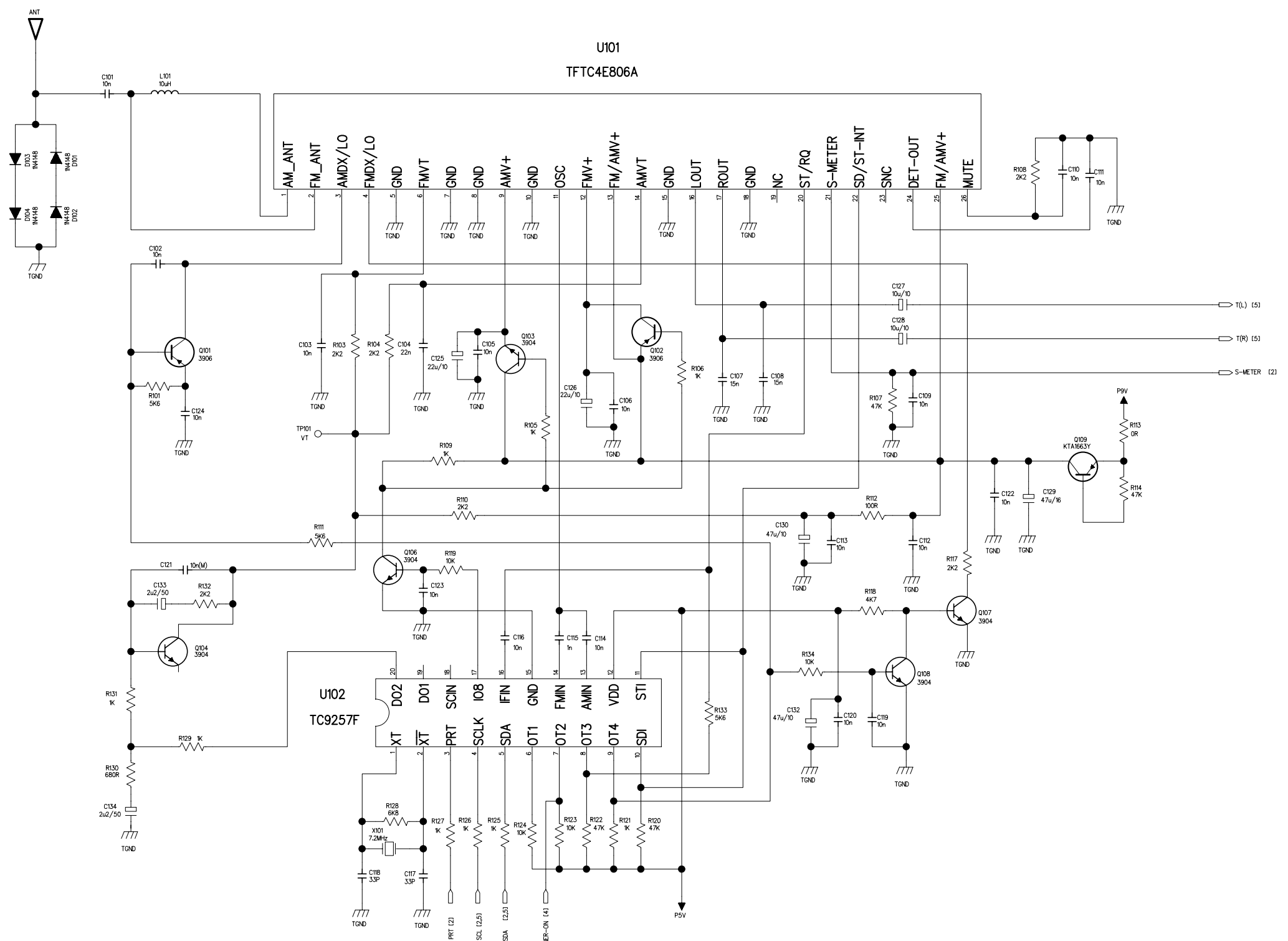


## H Tuner abnormal (For main board)

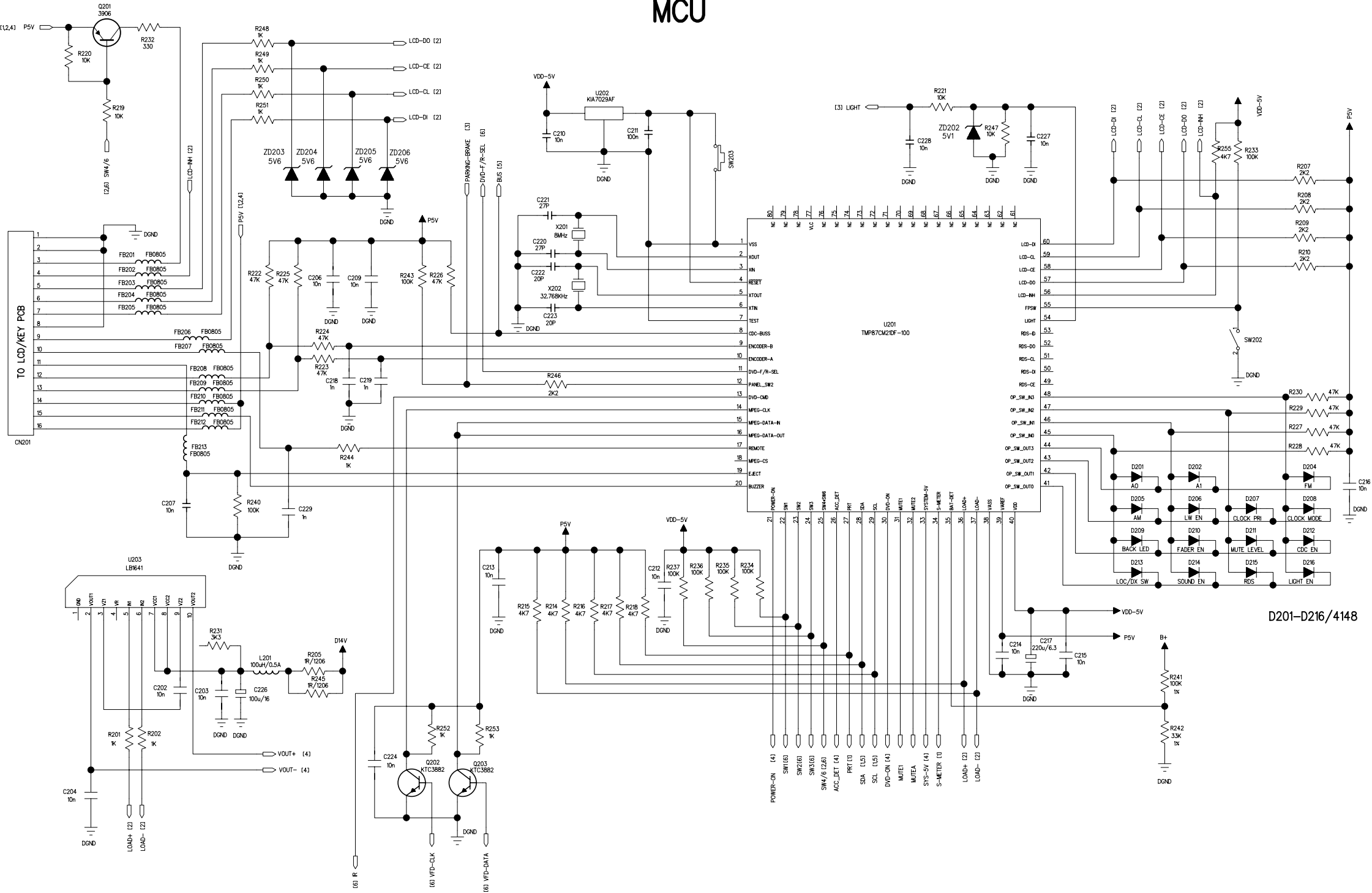


# TUNER

U101  
TFTC4E806A

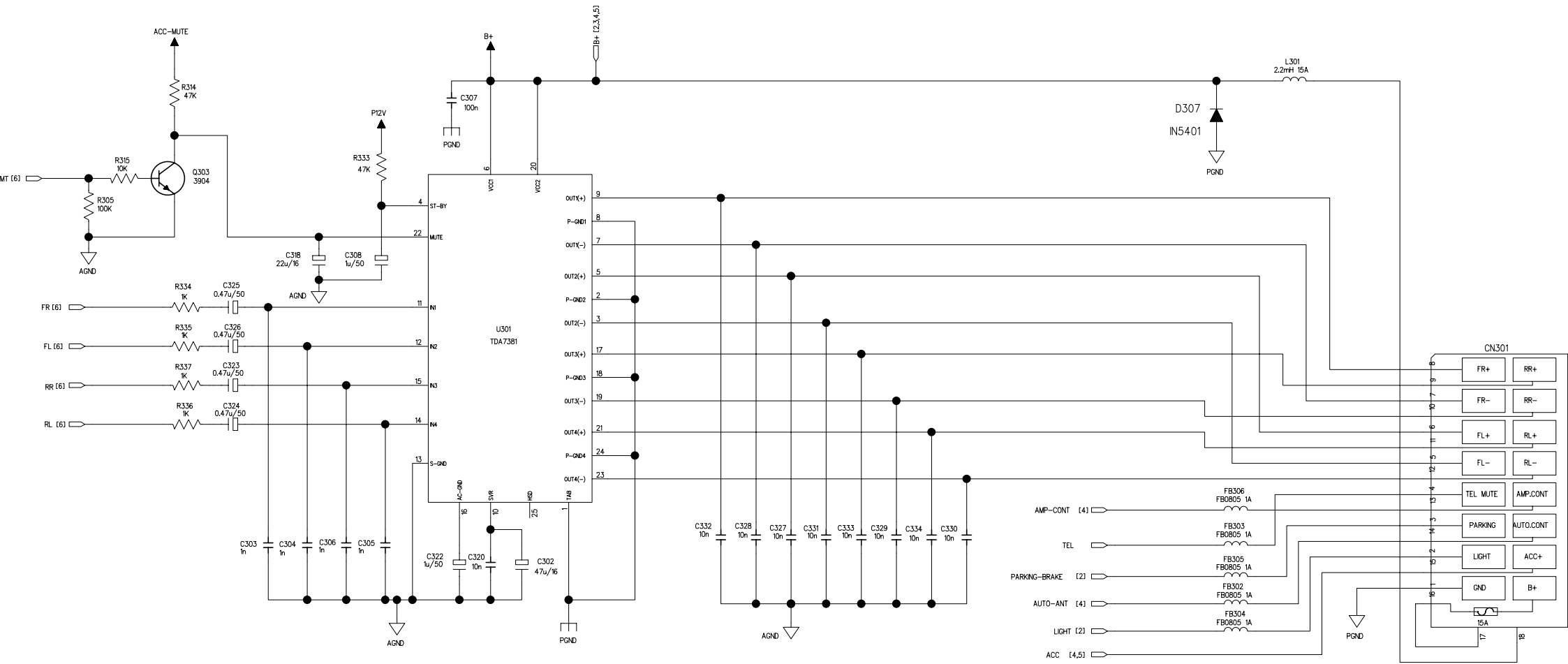


# MCU

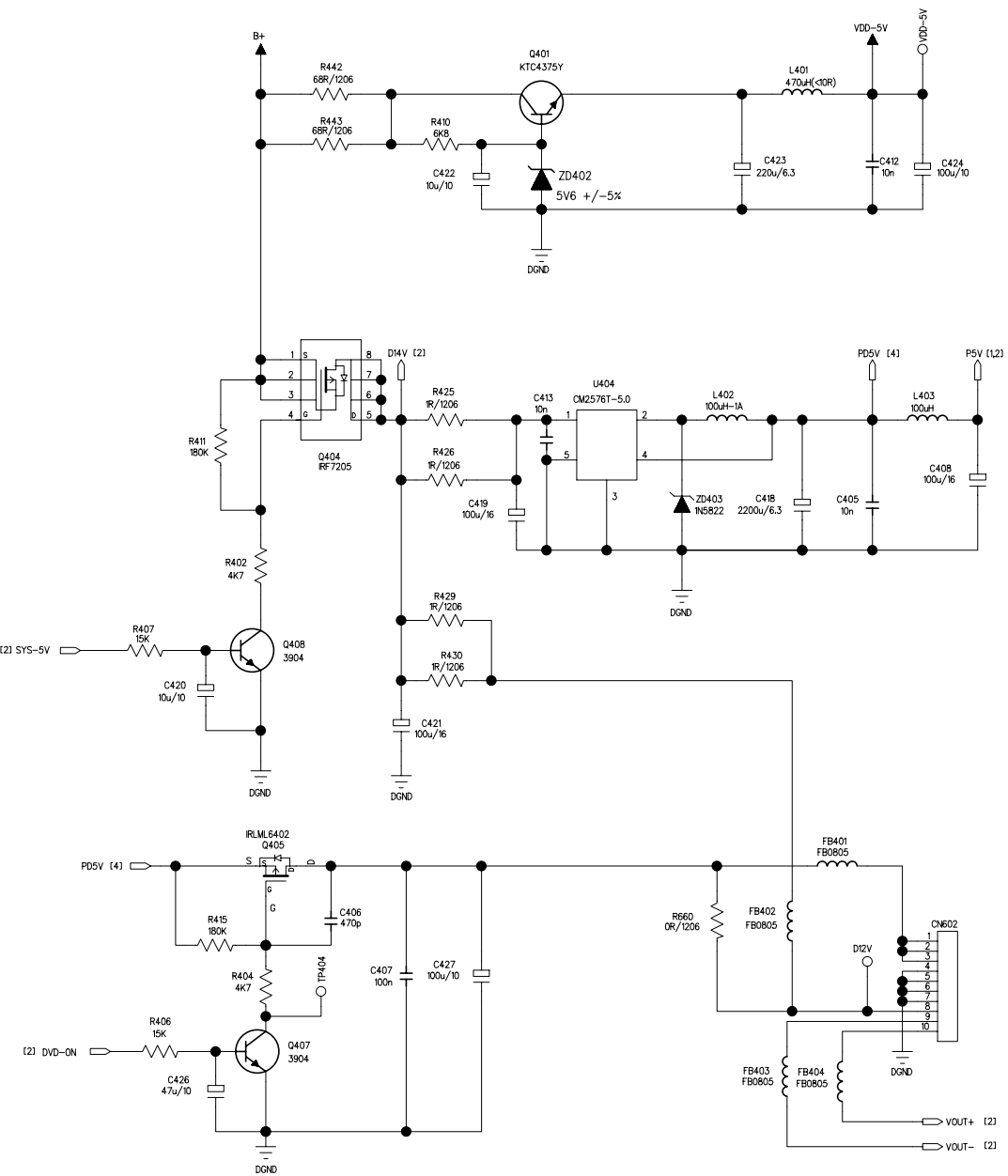


D201-D216/4148

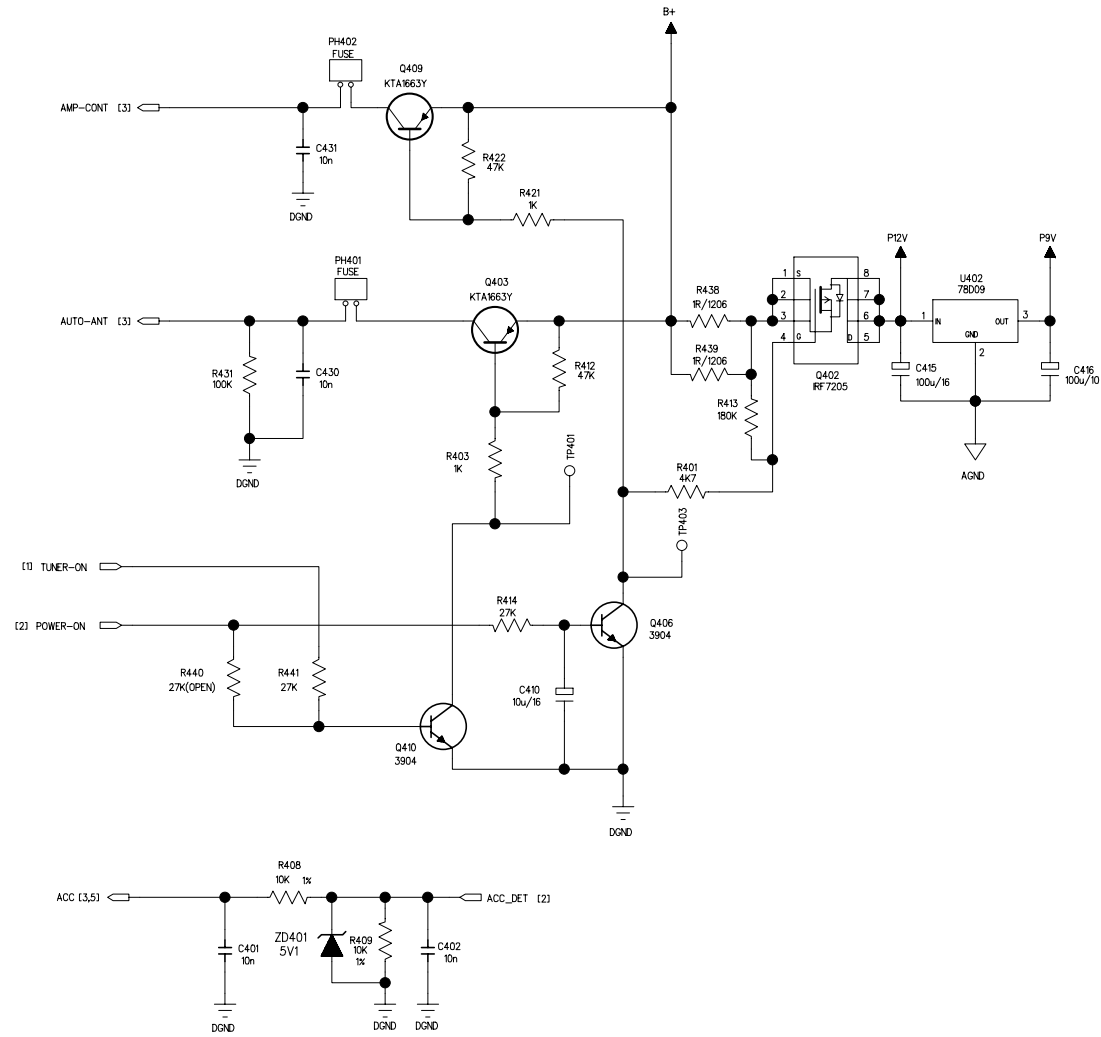
# PWR-AMP



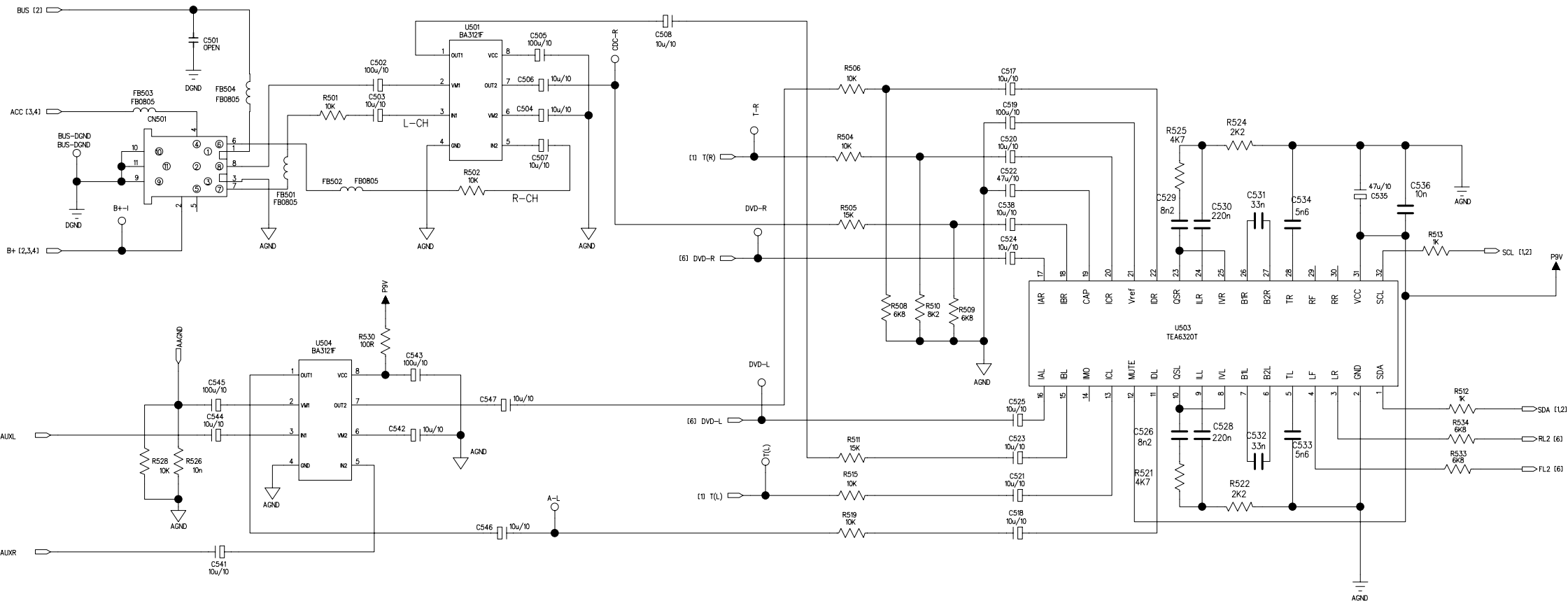




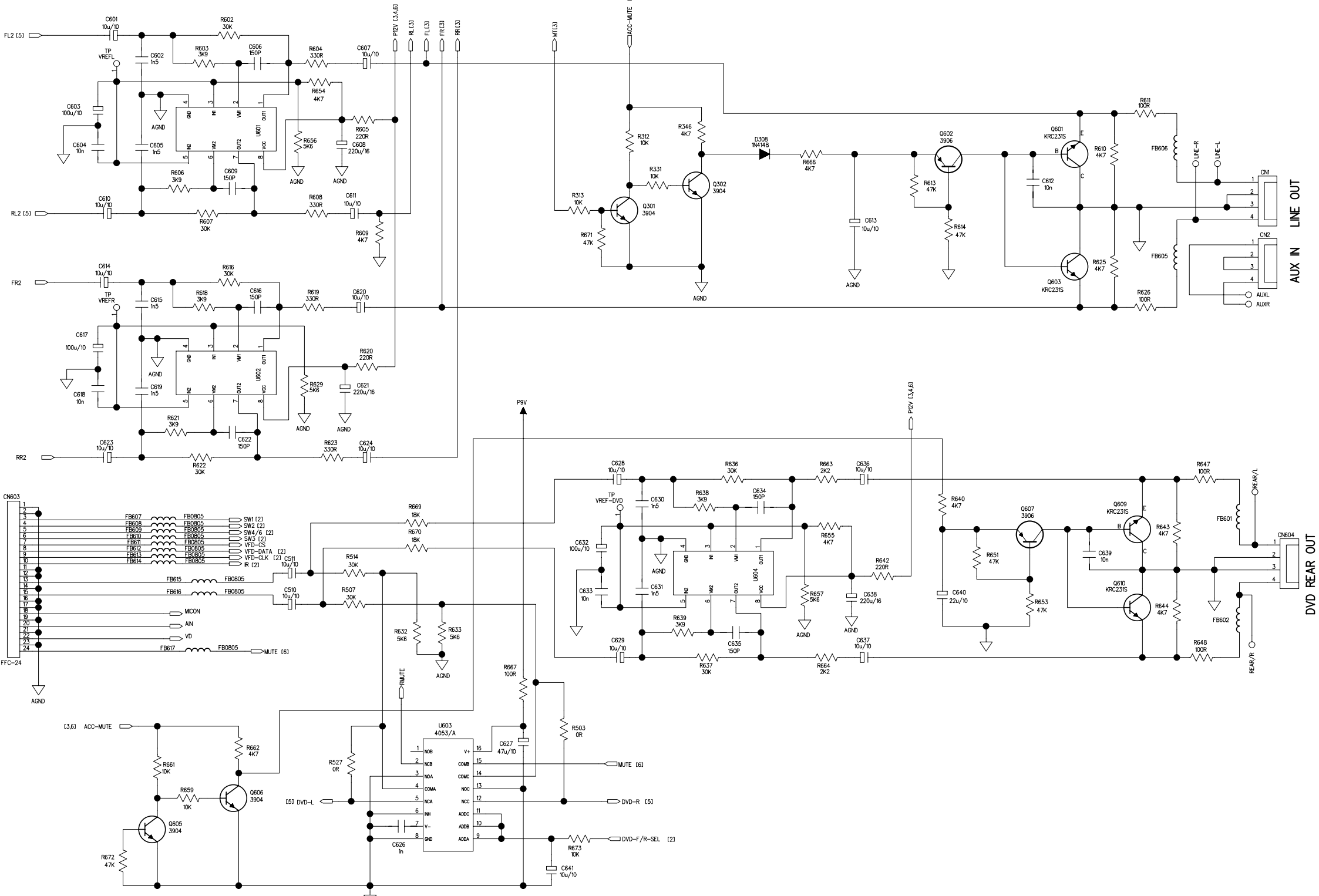
## SUPPLY



# AUDIO



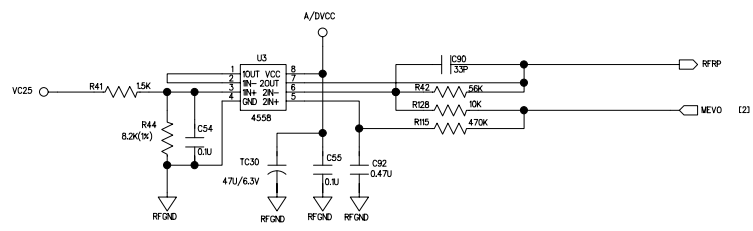
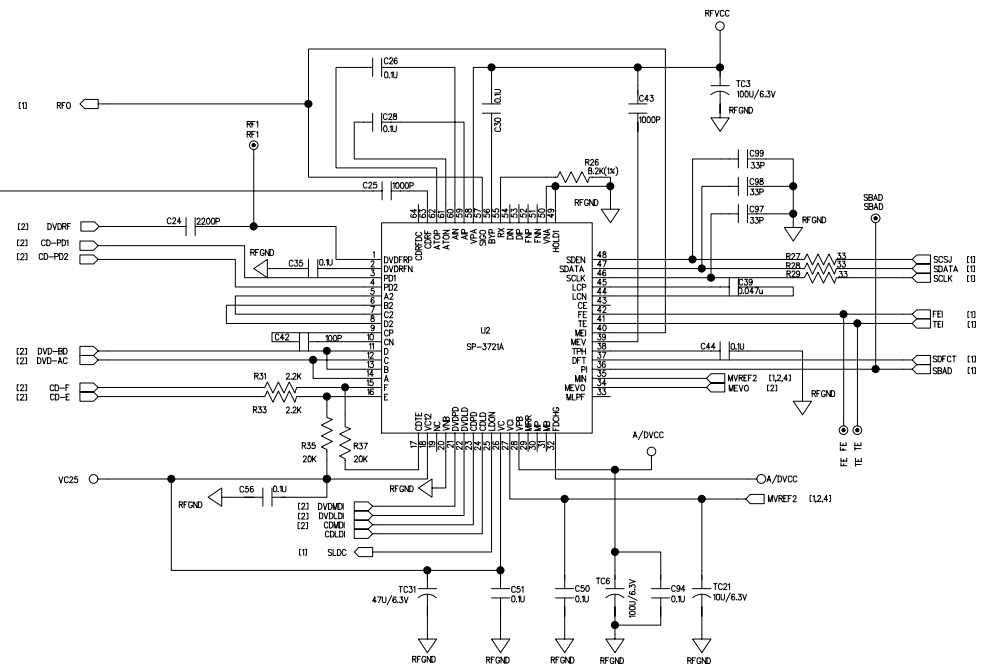
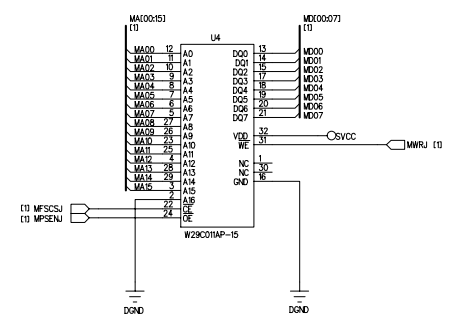
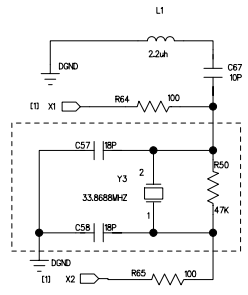
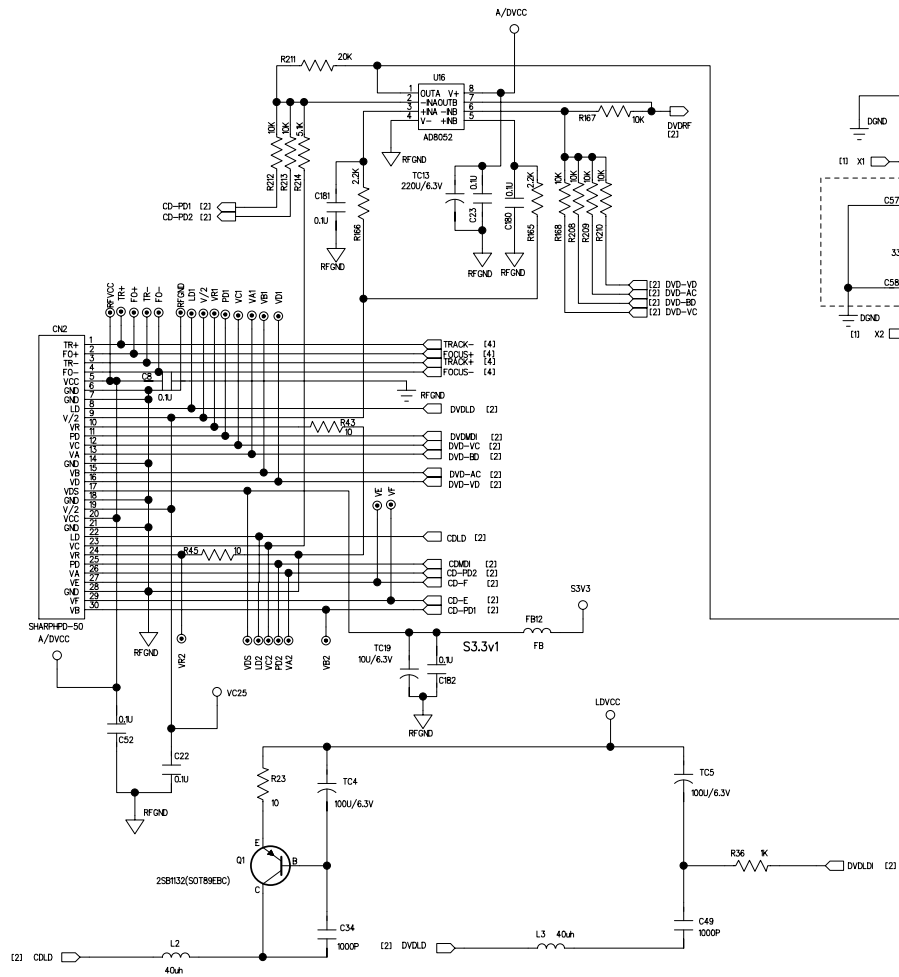
# OUT

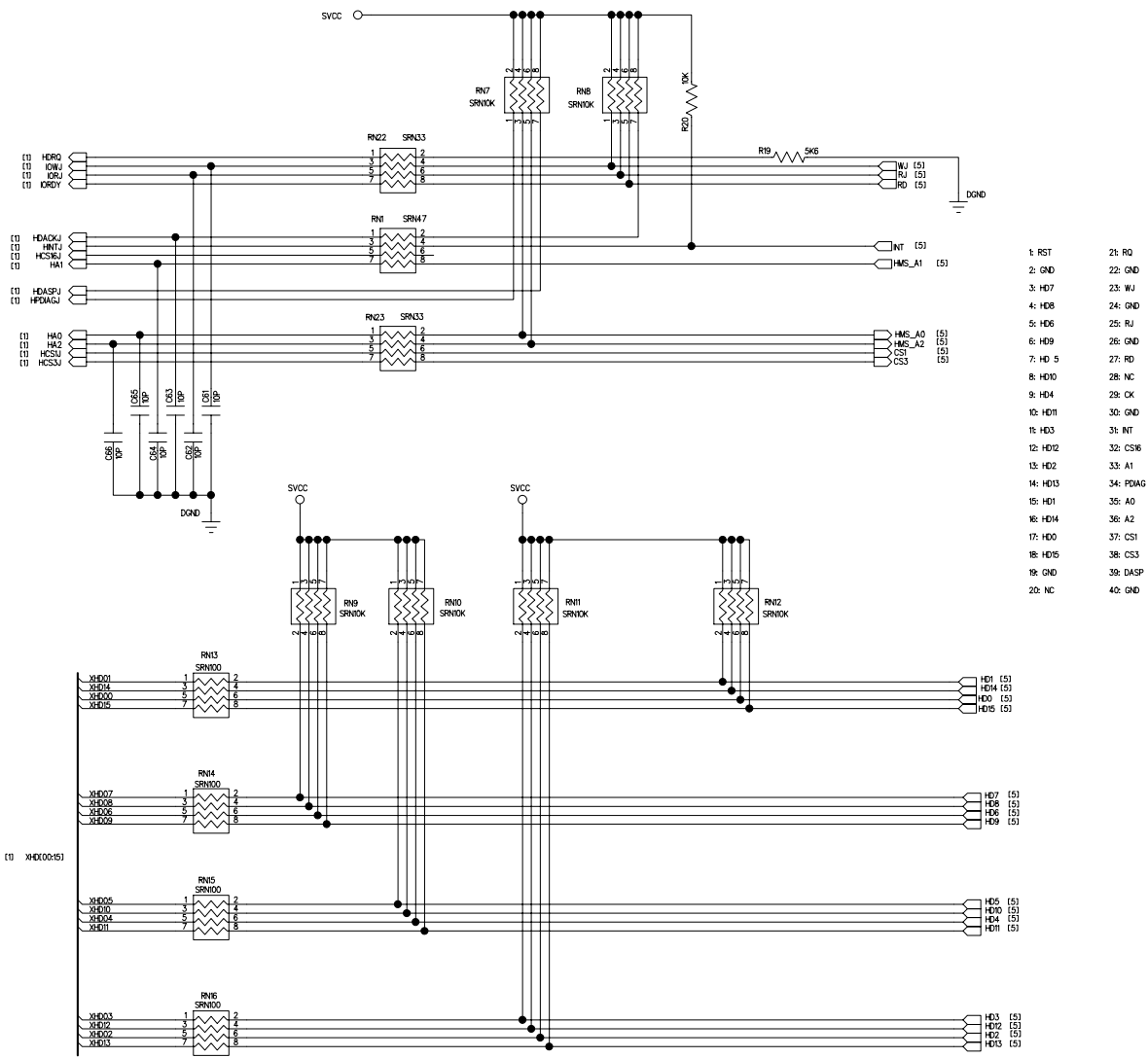


AUX IN LINE OUT

DVD REAR OUT

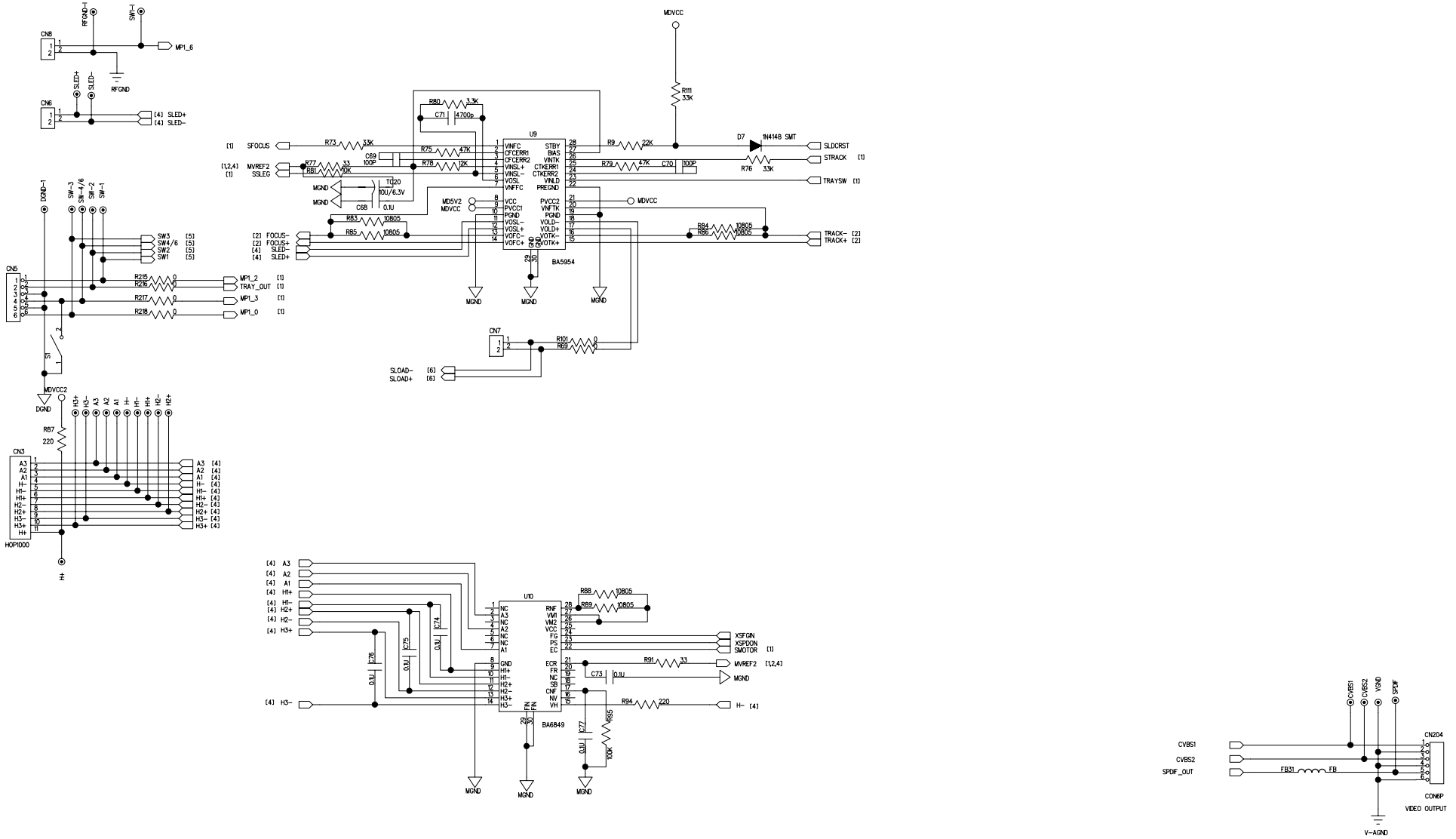


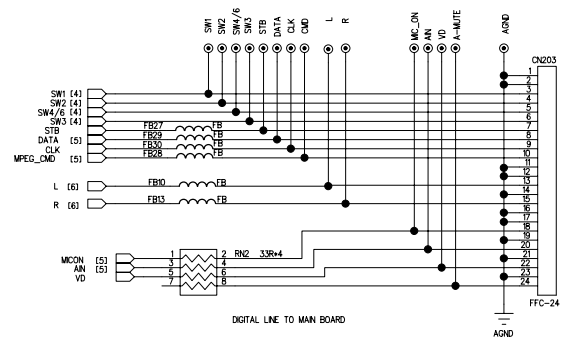
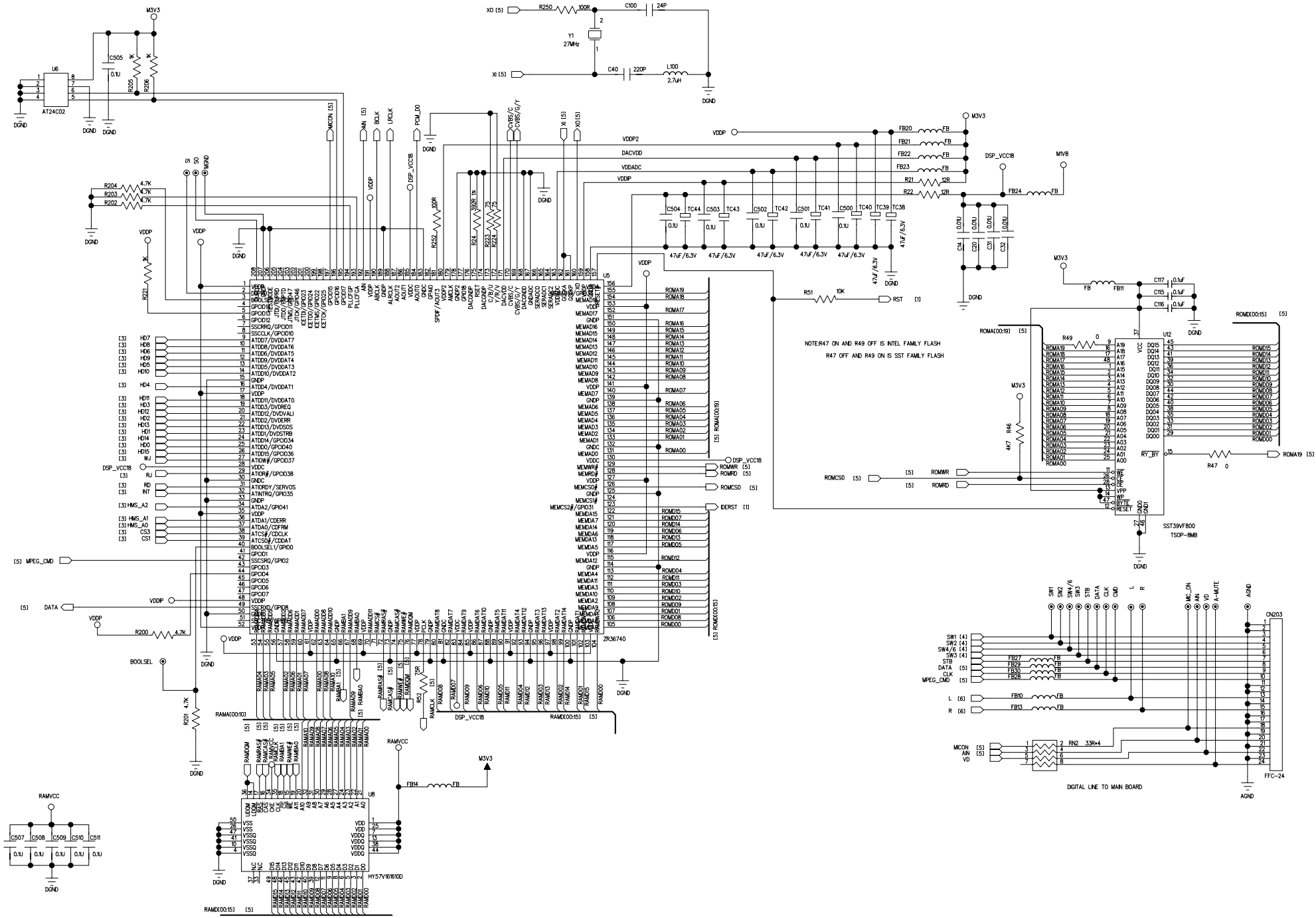




- 1: RST
- 2: GND
- 3: HD7
- 4: HD8
- 5: HD6
- 6: HD9
- 7: HD 5
- 8: HD10
- 9: HD4
- 10: HD11
- 11: HD3
- 12: HD12
- 13: HD2
- 14: HD13
- 15: HD1
- 16: HD14
- 17: HD0
- 18: HD15
- 19: GND
- 20: NC
- 21: RD
- 22: GND
- 23: RW
- 24: GND
- 25: RJ
- 26: GND
- 27: RD
- 28: NC
- 29: CK
- 30: GND
- 31: NT
- 32: CS16
- 33: A1
- 34: PDAG
- 35: A0
- 36: A2
- 37: CS1
- 38: CS3
- 39: DASP
- 40: GND

# MOTOR DRIVER:

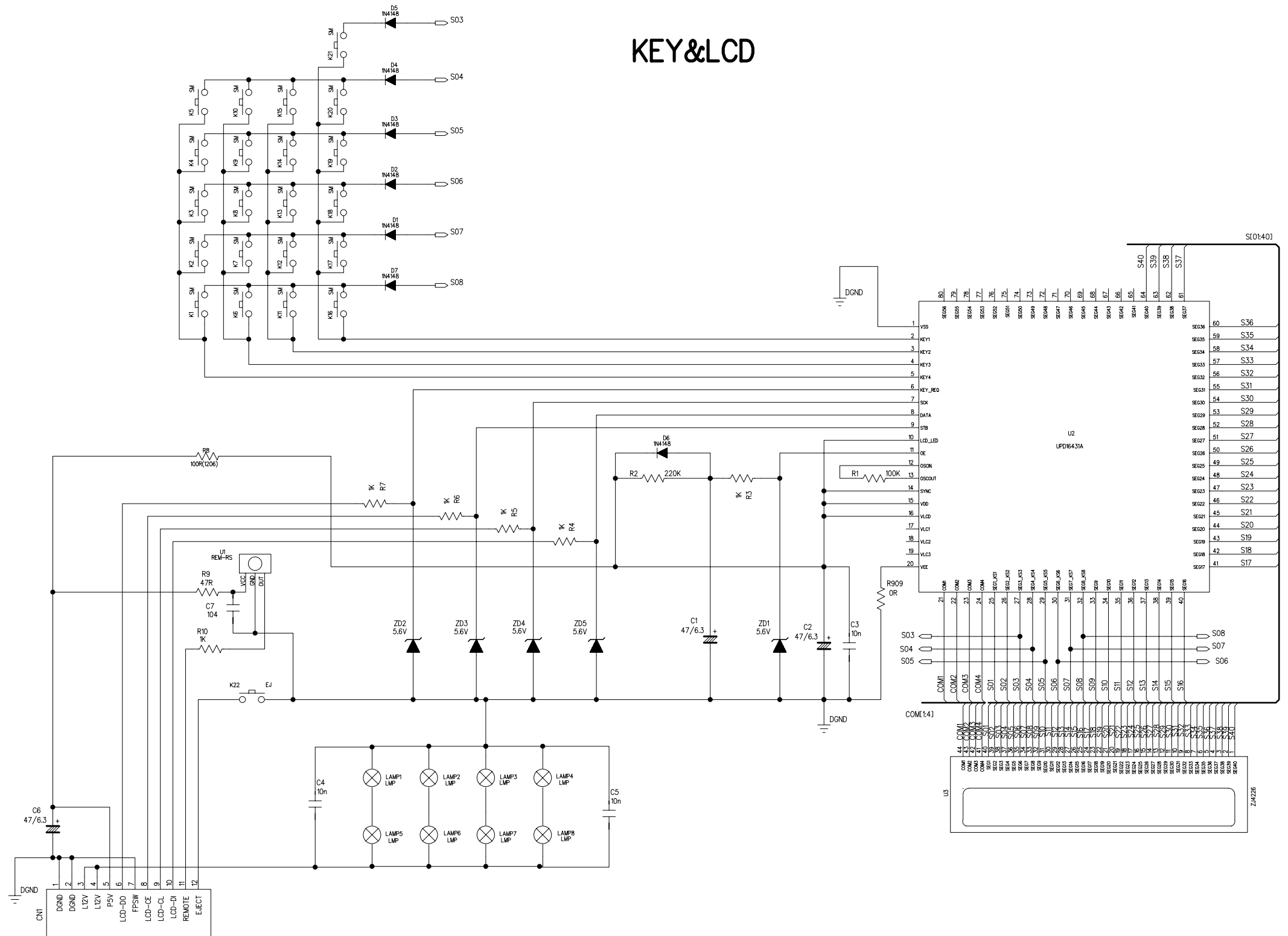






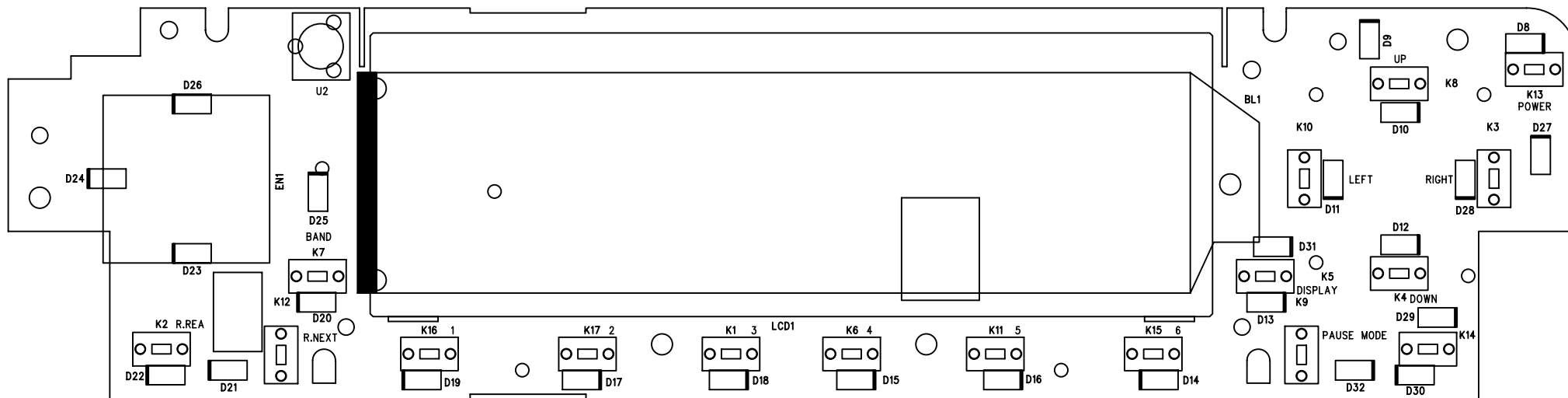


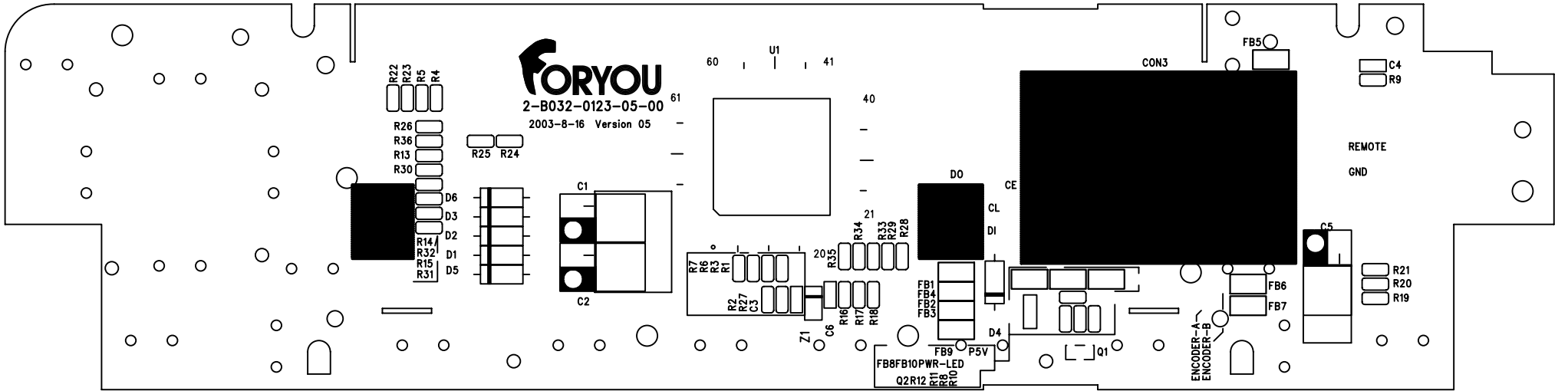
# KEY&LCD



S101401

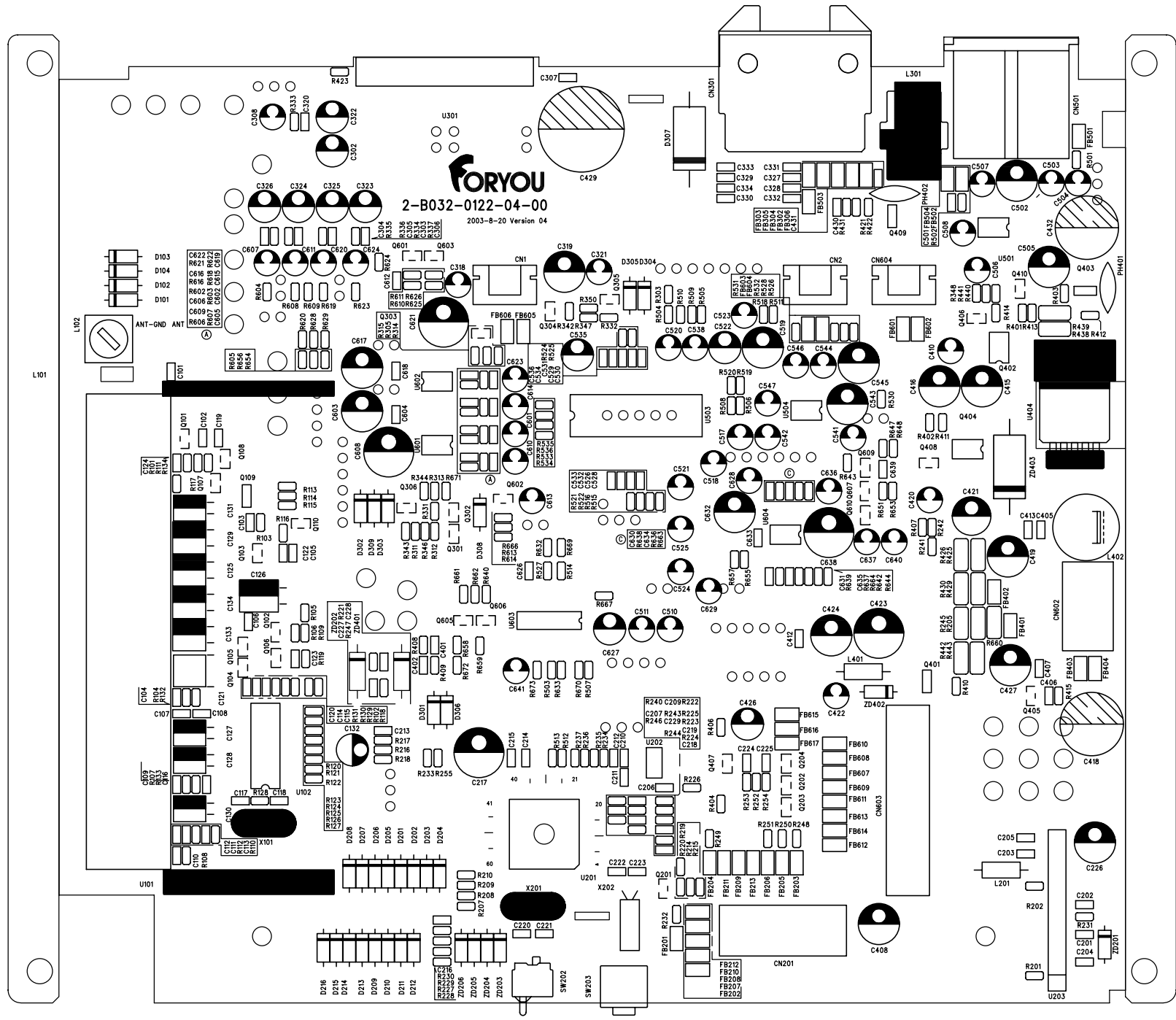
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**FOR YOU**

2-B032-0122-04-00

2003-8-20 Version 04

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PART NUMBER	PART NAME	PART TYPE	REF NO.
2-J111-0001-00-04	FFC CON.	11PIN, 1.0mm,	CN3
2-J130-00R5-00-03	FFC CON.	30PIN, 0.5mm, SO,	CN2
2-J102-1R25-00-05	Socket	2PIN, 1.25mm, SO,	CN6-8
2-J110-0001-02-03	Socket	10Pin, SMT)FFC-10	CN202
2-J124-0001-02-03	Socket	24Pin,	CN203
2-C29H-0105-M0-0A	SMT E-CAP	1uF/50V, SMT, 4(D)x5.3(L), ±20%	C88,C89
2-C25H-0106-M0-0A	SMT E-CAP	10uF/6.3V, SMT, 4(D)x5.3(L), ±20%	TC18,TC19-21,C81,C82,TC721
2-C25J-0476-M0-0A	SMT E-CAP	47uF/6.3V, SMT, 6.3(D)x5.3(L), ±20%	C46,TC30-33,TC37-44,C185
2-C22J-0107-M0-0A	SMT E-CAP	100uF/6.3V, SMT, 6.3(D)x5.3(L), ±20%	TC3-TC8,C45,C53,C84,C194,TC36
2-C25J-0107-M0-0A	SMT E-CAP	100uF/16V, SMT, 6.3(D)x5.3(L), ±20%	TC9
2-C22J-0227-M0-0A	SMT E-CAP	220uF/6.3V, SMT, 6.3(D)x5.3(L), ±20%	TC12-14
2-R41B-0000-J0-FA	CHIP RES.	0603, 0Ω, ±5%, 1/16W	R49,R66,R215-R218,R106,R57
2-R41B-0100-J0-FA	CHIP RES.	0603, 10Ω, ±5%, 1/16W	R23,R34,R43,R45,R97,R21-22
2-R41B-0330-J0-FA	CHIP RES.	0603, 33Ω, ±5%, 1/16W	R15,R27-29,R77,R135,R91,R54
2-R41B-0750-J0-FA	CHIP RES.	0603, 75Ω, ±5%, 1/16W	R48,R52,R99,R223-224
2-R41B-0101-J0-FA	CHIP RES.	0603, 100Ω, ±5%, 1/16W	R55,R64,R65,R250,R252
2-R41B-0221-J0-FA	CHIP RES.	0603, 220Ω, ±5%, 1/16W	R87,R94
2-R41B-0331-J0-FA	CHIP RES.	0603, 330Ω, ±5%, 1/16W	R107
2-R41B-0391-J0-FA	CHIP RES.	0603, 390Ω, ±5%, 1/16W	R24
2-R41B-0102-J0-FA	CHIP RES.	0603, 1KΩ, ±5%, 1/16W	R36, R205-206,R221,R742
2-R41B-0122-J0-FA	CHIP RES.	0603, 1K2Ω, ±5%, 1/16W	R3
2-R41B-0152-J0-FA	CHIP RES.	0603, 1K5Ω, ±5%, 1/16W	R41
2-R41B-0222-J0-FA	CHIP RES.	0603, 2K2Ω, ±5%, 1/16W	R31,R33,R103,R165,R166
2-R41B-0332-J0-FA	CHIP RES.	0603, 3K3Ω, ±5%, 1/16W	R10~12,R17,R80
2-R41B-0472-J0-FA	CHIP RES.	0603, 4K7Ω, ±5%, 1/16W	R6,R18,R46,R104-105, R200-204
2-R41B-0512-J0-FA	CHIP RES.	0603, 5K1Ω, ±5%, 1/16W	R25,R214,R5
2-R41B-0562-J0-FA	CHIP RES.	0603, 5K6Ω, ±5%, 1/16W	R19
2-R41B-0822-F0-FA	CHIP RES.	0603, 8K2Ω, ±1%, 1/16W	R26,R44
2-R41B-0103-J0-FA	CHIP RES.	0603, 10KΩ, ±5%, 1/16W	R4,R13,R20,R51,R68,R72,R74,R81,R82,R108,R128,R167,R168,R208~210,R212,R213,R133-134
2-R41B-0123-J0-FA	CHIP RES.	0603, 12KΩ, ±5%, 1/16W	R78
2-R41B-0203-J0-FA	CHIP RES.	0603, 20KΩ, ±5%, 1/16W	R7,R35,R37,R70,R211
2-R41B-0223-J0-FA	CHIP RES.	0603, 22KΩ, ±5%, 1/16W	R9
2-R41B-0333-F0-FA	CHIP RES.	0603, 33KΩ, ±1%, 1/16W,	R73,R76,R111
2-R41B-0473-J0-FA	CHIP RES.	0603, 47KΩ, ±5%, 1/16W	R14,R50,R75,R79
2-R41B-0513-J0-FA	CHIP RES.	0603, 51KΩ, ±5%, 1/16W	R8
2-R41B-0563-J0-FA	CHIP RES.	0603, 56KΩ, ±5%, 1/16W	R2,R42
2-R41B-0104-F0-FA	CHIP RES.	0603, 100KΩ, ±1%, 1/16W	R1,R67,R95,R62,R747,R748
2-R41B-0474-J0-FA	CHIP RES.	0603, 470KΩ, ±5%, 1/16W	R115,R16,R53
2-R42C-0010-J0-FA	CHIP RES.	0805, 1Ω, ±5%, 1/10W	R83~86,R88,R89
2-R42C-0100-J0-FA	CHIP RES.	0805, 10Ω, ±5%, 1/10W	R96
2-C15B-0100-J0-NA	Chip. Cap	0603, 10p/16V, NPO, ±5%	C61~66
2-C15B-0180-J0-NA	Chip. Cap	0603, 18p/16V, NPO, ±5%	C57,C58
2-C15B-0220-J0-NA	Chip. Cap	0603, 22p/16V, NPO, ±5%	C118,C159
2-C15B-0240-J0-NA	Chip. Cap	0603, 24p/16V, NPO, ±5%	C100-101
2-C15B-0330-J0-NA	Chip. Cap	0603, 33p/16V, NPO, ±5%	C90,C97-99
2-C15B-0470-J0-NA	Chip. Cap	0603, 47p/16V, NPO, ±5%	C4
2-C15B-0101-J0-NA	Chip. Cap	0603, 100p/16V, NPO, ±5%	C69,C70,C42
2-C15B-0271-J0-NA	Chip. Cap	0603, 270p/16V, NPO, ±5%	C119,C161
2-C15B-0331-J0-NA	Chip. Cap	0603, 330p/16V, NPO, ±5%	C120,C160
2-C15B-0471-K0-WA	Chip. Cap	0603, 470p/16V, X7R, ±10%	C12,C13
2-C15B-0561-K0-WA	Chip. Cap	0603, 560p/16V, X7R, ±10%	C2
2-C15B-0681-K0-WA	Chip. Cap	0603, 680p/16V, X7R, ±10%	C37,C41
2-C15B-0102-K0-WA	Chip. Cap	0603, 1n/16V, X7R, ±10%	C7,C17,C18,C25,C34, C49,C43
2-C15B-0222-K0-WA	Chip. Cap	0603, 2n2/16V, X7R, ±10%	C24
2-C15B-0472-K0-WA	Chip. Cap	0603, 4n7/16V, X7R, ±10%	C71
2-C15B-0682-K0-WA	Chip. Cap	0603, 6n8/16V, X7R, ±10%	C9
2-C15B-0103-K0-WA	Chip. Cap	0603, 10n/16V, X7R, ±10%	C14,C20,C31-32



2-C15B-0473-K0-WA	Chip. Cap	0603, 47n/16V, X7R, ±10%	C1,C11,C39,C136
2-C15B-0104-K0-WA	Chip. Cap	0603, 0. 1u/16V, X7R, ±10%	BC1-5,BC10-21,BC23,BC24,C3,C5,C6,C8,C15,C16,C19,C21-23,C26-30,C35,C38,C44,C47-48,C50-52,C54-56,C59,C68,C72-77,C79,C80,C83,C85,C86,C87,C91,C93,C94,C115-117,C180-183,C197,C500-505,C507-
2-C15B-0224-N0-YA	Chip. Cap	0603, 0. 22u/16V, Y5V, +80%-20%	C60
2-C13B-0474-N0-YA	Chip. Cap	0603, 0. 47u/10V, Y5V, +80%-20%	C10,C92
2-R81B-0330-J0-FA	CHIP NETWORK. RES.	0603, 33 Ω x4, ±5% , 1/16W	RN2,RN20-23
2-R81B-0470-J0-FA	CHIP NETWORK. RES.	0603, 47 Ω x4, ±5% , 1/16W	RN1
2-R81B-0101-J0-FA	CHIP NETWORK. RES.	0603, 100 Ω x4, ±5% , 1/16W	RN13~16
2-R81B-0103-J0-FA	CHIP NETWORK. RES.	0603, 10K Ω x4, ±5% , 1/16W	RN7~12
2-L26E-0400-K0-0A	chip inductor	1206, 40uH	L2,L3
2-L25E-0001-K0-0A	chip inductor	1206, 1uH	L10
2-L2EC-01R8-M0-0A	chip inductor	0805, 1. 8uH	L7,L20
2-L25E-04R7-K0-0A	chip inductor	1206, 4. 7uH	L22-25
2-L60C-0600-KC-BA	Chip bead	0805, 600	FB15-16
2-L60C-0601-KC-BA	Chip bead	0805, 601	FB27-31FB10-11FB13-14FB20-24
2-L66E-FB01-00-1A	Chip bead	1206, 121	FB1-9FB12FB19FB701
2-T20C-3904-00-0A	Transistor	PMBT3904, SOT-23	Q5,Q9,Q707
2-T20D-4376-00-0A	Transistor	KTC4376, SOT-89, BCE, NPN	Q3
2-T10D-1132-00-0A	Transistor	2SB1132, SOT-89, BCE, PNP	Q1,Q2
2-D10B-4148-00-0A	DIODE	1N4148	D4,D10
2-D10M-4148-00-0A	DIODE	1N4148, LLDS-35,	D1-D3,D5-D9
2-UA0G-4558-00-0A	DUAL AMP	NJM4558 SOP-8	U3
2-UA0G-8052-00-00	OP AMP	AD8052 SOIC8	U16
2-UM0H-5706-00-C0	DVD-ROM Controller	M5706 QFP176D	U1
2-UA0G-24C0-02-00	EEPROM	AT24C02, SOP8	U6
2-UA0G-5954-00-0A	DRIVER IC	BA5954FP, HSOP-28	U9
2-UA0G-6849-00-0A	DRIVER IC	BA6849FM, HSOP-28	U10
2-UA0G-M393-00-00	OP AMP	LM393, SOP8	U11
2-UA00-9164-00-0A	VOL. REG. 3. 3V	RT9164, SOT-223	U13-U14
2-UM0H-3721-00-C0	RF FRONT END	SP3721 (宽温) QFP64D	U2
2-UD0G-1M16-00-0A	SDRAM	HY57V161610D (16M)	U7,U8
2-UA00-4340-00-00	Audio D/A	CS4340-kS, SOIC16	U502
2-UA0N-4911-00-00	EEPROM	W29C011AP, PLCC32D	U4
2-UM00-6748-00-00	MPEG CHIP	ZR36748, PQFP208	U5
2-UA0Q-VF80-00-00	8M FLASH	MBM29LV800, TSOP-48	U12
2-X450-0000-27-ME	Crystal	27M,CL=24pF, ±10ppm	Y1
2-X450-33M8-68-8E	Crystal	33. 8688M, CL=14. 7pF,	Y3
2-J106-1R25-01-00	Socket	6PIN, 1. 25mm,	CN5
2-J105-0002-00-01	Socket	5PIN, 2. 0mm,	CN204
2-Q312-1037-00-0A	SWITCH	MPU10371MLB0	S1
2-B032-0115-06-00	PCB	FR-4, , 1. 0mm	
2-A410-7121-R5-00	SPONGE MAT	7X12X1. 5	
2-A410-7075-R5-00	SPONGE MAT	7*7*5.0	
2-A410-6241-R5-00	PVC MAT	6*2.4*1.0	
1-1005-5003-00-00	XP SCREW	M2*4	
X-2506-0001-00-00	DVD LOADER	DVD-C01	

Part Number	Part Name	Part type	REF NO.
2-UD0K-21DF-01-00	8-BIT MCU	TMP87CM21DF	U201
2-UD0G-6320-00-00	ASP IC	TEA6320T	U503
2-UA0G-3121-00-00	DUAL AMP	BA3121F	U501,U504
2-UD0G-9257-01-00	PLL	TC9257F	U102
2-UA00-7029-00-0A	RESET REGULATOR	KIA7029AF	U202
2-UA0G-4558-00-0A	DUAL AMP	NJM4558N,	U601,U602,U604
2-UA0G-4053-00-00	3CH SW	HEF 4053BT ,	U603
2-UA0B-7809-00-00	VOLTAGE REGULATOR	78D09,	U402
2-T20D-4375-00-0A	Transistor	NPN,KTC4375Y,	Q401
2-T10J-1663-00-0A	Transistor	PNP,KTA1663,	Q109,Q403,Q409
2-T201-231S-00-00	Transistor	KRC231S,	Q601,Q603,Q609,Q610
2-T20C-3904-00-0A	Transistor	2N3904S,	Q103~Q108,Q110,Q301~Q303,Q305, Q306,Q406~Q408,Q410,Q605,Q606
2-T20C-3882-00-0A	Transistor	KTC3882,	Q202,Q203,Q204
2-T10C-3906-00-0A	Transistor	2N3906S,	Q101,Q102,Q201,Q304,Q602,Q607
2-E200-7205-00-00	MOS	IRF7205	Q402,Q404
2-E200-6402-00-00	MOS	ML6402,	Q405
2-L26E-0100-K0-0A	LEAD	10uH	L101
2-L65C-FB01-00-1A	BEAD COIL	FERB/0805/1A	FB302~FB305,FB306,FB601~FB606, FB201~FB213,FB401~FB404,FB501 ~FB504,FB607~FB617
2-R43E-0010-J0-FA	Chip Resistor	1Ω±5%,1/8W	R205,R245,R425,R426,R429,R430,R 438,R439
2-R43E-0680-J0-FA	Chip Resistor	68Ω±5%,1/8W	R442,R443
2-R41B-0000-J0-FA	Chip Resistor	0Ω±5%, 1/16W	R113,R350,(R503,R527,R532)
2-R41B-0101-J0-FA	Chip Resistor	100Ω±5%, 1/16W	R102,R112,R348,R530,R611,R626,R 647,R648,R667
2-R41B-0331-J0-FA	Chip Resistor	330Ω±5%, 1/16W	R232,R604,R608,R619,R623
2-R41B-0221-J0-FA	Chip Resistor	220Ω±5%, 1/16W	R605,R620,R642
2-R41B-0681-J0-FA	Chip Resistor	680Ω±5%, 1/16W	R130
2-R41B-0102-J0-FA	Chip Resistor	1KΩ ±5%, 1/16W	R105,R106,R109,R115,R121,R125~R 127,R129,R131,R201,R202,R244,R24 8~R254,R334~R337,R403,R512,R51 3,R421
2-R41B-0222-J0-FA	Chip Resistor	2.2KΩ±5%, 1/16W	R103,R104,R108,R110,R117,R132,R 207~R210,R246,R522,R524,R663,R6
2-R41B-0332-J0-FA	Chip Resistor	3.3KΩ ±5%, 1/16W	R303,R231
2-R41B-0392-J0-FA	Chip Resistor	3.9KΩ ±5%, 1/16W	R603,R606,R618,R621,R638,R639
2-R41B-0472-J0-FA	Chip Resistor	4.7KΩ±5%, 1/16W	R118,R214~R218,R255,R346,R404,R 401,R402,R521,R525,R609,R610,R62 4,R625,R628,R640,R643,R644,R654, R655,R662,R666
2-R41B-0562-J0-FA	Chip Resistor	5.6KΩ±5%, 1/16W	R101,R111,R133,R629,R632,R633,R 656,R657
2-R41B-0682-J0-FA	Chip Resistor	6.8KΩ ±5%, 1/16W	R128,R410,R508,R509,R518,R520,R 533~R536,R510,R516
2-R41B-0103-J0-FA	Chip Resistor	10KΩ±5%, 1/16W	R119,R123,R124,R134,R219~R221,R 247,R311~R313,R315,R331,R347,R4 08,R409,R501,R502,R504,R515,R658 ,R659,R661,R673,R528
2-R41B-0153-J0-FA	Chip Resistor	15KΩ±5%, 1/16W	R116,R406,R407,R505,R511
2-R41B-0183-J0-FA	Chip Resistor	18KΩ±5%, 1/16W	R669,R670
2-R41B-0273-J0-FA	Chip Resistor	27KΩ±5%, 1/16W	R332,R414,R441

2-R41B-0303-J0-FA	Chip Resistor	30K $\Omega$ $\pm$ 5%, 1/16W	R507,R514,R602,R607,R616,R622,R636,R637
2-R41B-0333-J0-FA	Chip Resistor	33K $\Omega$ , $\pm$ 5%, 1/16W	R242,R506,R519
2-R41B-0473-J0-FA	Chip Resistor	47K $\Omega$ $\pm$ 5%, 1/16W	R107,R114,R120,R122,R222~R230,R314,R333,R343,R344,R412,R613,R614,R651,R653,R671,R672,R422
2-R41B-0104-J0-FA	Chip Resistor	100K $\Omega$ $\pm$ 5%, 1/16W	R233~R237,R240,R241,R243,R305,R342,R431
2-R41B-0184-J0-FA	Chip Resistor	180K $\Omega$ $\pm$ 5%, 1/16W	R411,R413,R415
2-C15B-0200-J0-NA	Chip Capacitor	20p/16V, NPO, $\pm$ 5%	C222,C223
2-C15B-0270-J0-NA	Chip Capacitor	27p/16V, NPO, $\pm$ 5%	C220,C221
2-C15B-0330-J0-NA	Chip Capacitor	33p/16V, NPO, $\pm$ 5%	C117,C118
2-C15B-0151-K0-WA	Chip Capacitor	150p/16V,X7R, $\pm$ 10%	C606,C609,C616,C622,C634,C635
2-C15B-0471-K0-WA	Chip Capacitor	470p/16V,X7R, $\pm$ 10%	C406
2-C15B-0102-K0-WA	Chip Capacitor	102/16V, X7R, $\pm$ 10%	C115,C218,C219,C229,C303~C306,C626
2-C15B-0152-K0-WA	Chip Capacitor	152/16V, X7R, $\pm$ 10%	C602,C605,C615,C619,C630,C631
2-C15B-0562-K0-WA	Chip Capacitor	562/16V, X7R, $\pm$ 10%	C533,C534
2-C15B-0822-K0-WA	Chip Capacitor	822/16V, X7R, $\pm$ 10%	C526,C529
2-C15B-0103-K0-WA	Chip Capacitor	103/16V,X7R, $\pm$ 10%	C101~C103,C105,C106,C109~C114,C116,C119,C120,C122~C124,C201~C207,C209,C210,C212~C216,C224,C225,C227,C228,C320,C327~C334,C401,C402,C405,C412,C413,C430,C431,C536,C604,C612,C618,C633,C639,R526
2-C15B-0153-K0-WA	Chip Capacitor	153/16V,X7R, $\pm$ 10%	C107,C108
2-C15B-0223-K0-WA	Chip Capacitor	223/16V,X7R, $\pm$ 10%	C104
2-C15B-0333-M0-YA	Chip Capacitor	333/16V,Y5V, $\pm$ 20%	C531,C532
2-C15B-0104-N0-YA	Chip Capacitor	104/16V, Y5V, + 80/-20%	C211,C307,C407
2-C15B-0224-N0-YA	Chip Capacitor	224/16V, Y5V, + 80/-20%	C528,C530
2-B032-0122-04-00	MAIN PCB		
2-UA0C-1641-01-40	MOTOR DRIVER	LB1641,	U203
2-UM0B-2576-00-00	REG	CM2576S-5, TO-220	U404
2-L150-0101-00-00	LEAD		L201
2-L010-0222-00-00	LEAD	AX445-27692.2MH/15A	L301
2-D100-5401-00-00	CHIP DIODE		D307
2-D101-4148-00-1B	SWITCHING DIODE		D101~D104,D202~D204,206,D207,D209~D214,D216,D301~D306,D308,D309,(D205,D201,D208,D215)
2-Q312-1120-00-00		DS-1120B	SW202
2-Q212-1102-00-30	SWICHING	T1102VA	SW203
2-Z001-E347-0U-S1	TUNER	FAE347-A29	U101
2-L400-0332-K0-00	Inductance		L102
2-L560-0101-K0-00	LEAD	100uH/D10*14/1A	L402
2-L150-0471-00-00	LEAD		L401
2-DZ00-04R7-00-00	ZENER DIODE		ZD201
2-DZ00-05R1-00-00	ZENER DIODE		ZD202,ZD401
2-DZ00-05R6-00-00	ZENER DIODE		ZD402,ZD203~ZD206
2-D100-5822-00-00	ZENER DIODE	IN5822	ZD403
2-X070-032K-76-8B	XTAL		X202
2-X450-0000-7M-2E	XTAL	7.2MHz $\pm$ 10PPM	X101
2-X450-0000-08-ME	XTAL	8.00MHz $\pm$ 10PPM	X201

2-R600-6003-00-00		KT60-0300B	PH401,RH402
2-C570-0015-J0-00	Chip Capacitor	103M/16V,±10%	C121
2-C292-0474-M0-00	Alu. Cap. Elect.	CD11C-0.47uF/50V ±20%	C323~C326
2-C292-0105-M0-00	Alu. Cap. Elect.	CD11C-1uF/50V ±20%	C308,C322,C613,C318,C640
2-C292-0225-M0-00	Alu. Cap. Elect.	CD11C-2.2uF/50V ±20%	C133,C134
2-C252-0106-M0-0D	Alu. Cap. Elect.	10uF/16V, ±20%	C127,C128,C131,C321,C410,C420,C422,C503,C504,C506~C508,C510,C511,C517,C518,C520,C521,C523~C525,C538,C541,C542,C544,C546,C547,C601,C607,C610,C611,C614,C620,C623,C624,C628,C629,C636,C637,C641
2-C252-0226-M0-0D	Alu. Cap. Elect.	22uF/16V, ±20%	C125,C126
2-C253-0476-M0-0D	Alu. Cap. Elect.	47uF/16V, ±20%	C129,C302,C130,C132,C426,C535,C522,C627
2-C234-0107-M0-00	Alu. Cap. Elect.	100uF/10V, ±20%	C408,C416,C424,C427,C519,C603,C617,C632,C502,C505,C543,C545
2-C254-0107-M0-0D	Alu. Cap. Elect.	100uF/16V, ±20%	C226,C319,C415,C419,C421
2-C225-0227-M0-00	Alu. Cap. Elect.	220uF/6.3V, ±20%	C217,C423
2-C255-0227-M0-0D	Alu. Cap. Elect.	220uF/16V, ±20%	C608,C621,C638
2-C25Z-0108-M0-00	Alu. Cap. Elect.	1000uF/16V,±20%	C432
2-C22F-0228-M0-0D	Alu. Cap. Elect.	2200uF/6.3V±20%	C418
2-C25G-0338-00-00	Alu. Cap. Elect.	3300uF/16V, ±20%	C429
2-W000-2100-03-00			
2-W614-FP01-00-00	FUSE	15A	
2-J110-0CDC-00-00	CDCHANGE		CN501
2-J104-0002-01-01	4 PIN CABLE CONNECTOR		CN604CN1CN2
2-J110-0001-02-06	10PIN CABLE CONNECTOR		CN602
2-J124-0001-02-01	24 PIN CABLE CONNECTOR		CN603
2-J116-0001-01-01	16-PINCONNECTOR		CN201
2-J116-02R5-MO-01	16-PIN CONNECTOR		CN301
2-UA00-7381-00-00	POWER AMP	TDA7381	U301
2-W110-0070-00-15	10PINFFC		
2-W116-0080-00-15	16PINFFC		
2-W124-0090-00-15	24PINFFC		
2-W000-2100-07-01			
2-W000-2100-01-00			
2-2100-REMT-01-00			
2-W000-2100-02-00			
Part Number	Part Name	Part type	REF NO.
2-R41B-0000-J0-FA	CHIP RESISTER	0Ω±5% 1/16W	R24
2-R41B-0470-J0-FA	CHIP RESISTER	47Ω±5% 1/16W	R9
2-R41B-0121-J0-FA	CHIP RESISTER	120Ω,±5% , 1/16W	R13~R21,R30~R32,R4,R5,R22,R23
2-R41B-0101-J0-FA	CHIP RESISTER	100Ω,±5% , 1/16W	R28
2-R41B-0102-J0-FA	CHIP RESISTER	1KΩ±5% 1/16W	R3,R36
2-R41B-0472-J0-FA	CHIP RESISTER	4.7KΩ±5% 1/16W	R33,R34
2-R41B-0222-J0-FA	CHIP RESISTER	2.2KΩ±5% 1/16W	R8,R11
2-R41B-0103-J0-FA	CHIP RESISTER	10KΩ±5% 1/16W	R6,R10,R27,R29,R35

2-R41B-0473-J0-FA	CHIP RESISTER	47K $\Omega$ $\pm$ 5%, 1/16W	R2,R7,R12
2-R41B-0104-J0-FA	CHIP RESISTER	100K $\Omega$ $\pm$ 5% 1/16W	R1
2-C15B-0103-K0-WA	CHIP CAPACITOR	103/16V,X7R, $\pm$ 10%	C4
2-DZ00-03R9-00-0A	Zener	3V9	Z1
2-Y23X-1721-40-00	SMD LED	RED	D8~D32
2-Q212-3MBS-00-00	TACT SWITCH	6.0x3.5x5.0	K1~K17
2-L65C-FB01-00-1A	BEAD COIL	FERB/0805/1A	FB1~FB10
2-UA0H-6431-00-00	LCD驱动片	UPD16431A	U1
2-T10J-1663-00-0A	Transistor	PNP,KTA1663	Q2
2-T20C-3904-00-0A	Transistor	2N3904S	Q1
2-J216-0001-MI-08	16-PINCONNECTOR(公)	CAM-C73	CON3
2-C236-0476-M0-0D	Alu. Cap. Elect.	47uF/10V, $\pm$ 20%	C1,C5
2-D101-4148-00-1B	SWITCHING DIODE	RLS4148(ISS133)	D1~D6
2-UM00-3809-00-00	Remote Rec	RPM6938	U2
2-Q935-ENCO-00-0B	ENCODER	13.4L*14.5W*14.5H	EN1
2-Y502-5908-20-41	液晶显示屏		LCD1
2-Y76X-3021-00-05	LED		BL1
2-B032-0123-05-00	KEY BOARD		
2-R41B-0102-J0-FA	CHIP RESISTER	1K $\Omega$ $\pm$ 5% 1/16W	R37
2-J116-0001-02-06	FFC CONNECTOR		CON2
2-Y23X-1721-40-00	SMD LED		D33~D34
2-Q212-1523-00-00	TACT SWITCH	HCT-11523	K18
2-J116-0001-MI-08	16-PIN CONNECTOR(母)	CAM-C74	CON1
2-B032-0127-03-00	EO BOARD		
2-J111-0001-00-04	FFC CON.		CN3
2-J130-00R5-00-03	FFC CON.		CN2
2-J102-1R25-00-05	Socket		CN6-8
2-J110-0001-02-03	Socket		CN202
2-J124-0001-02-03	Socket		CN203
2-C29H-0105-M0-0A	SMT E-CAP	1uF/50V,SMT,4(D)x5.3(L), $\pm$	C88,C89
2-C25H-0106-M0-0A	SMT E-CAP	10uF/6.3V,SMT,4(D)x5.3(L), $\pm$ 20%	TC18,TC19-21,C81,C82,TC721
2-C25J-0476-M0-0A	SMT E-CAP	47uF/6.3V,SMT,6.3(D)x5.3(L), $\pm$ 20%	C46,TC30-33,TC37-44,C185
2-C22J-0107-M0-0A	SMT E-CAP	100uF/6.3V,SMT,6.3(D)x5.3(L), $\pm$ 20%	TC3-TC8,C45,C53,C84,C194,TC36
2-C25J-0107-M0-0A	SMT E-CAP	100uF/16V,SMT,6.3(D)x5.3(L), $\pm$ 20%	TC9
2-C22J-0227-M0-0A	SMT E-CAP	220uF/6.3V,SMT,6.3(D)x5.3(L), $\pm$ 20%	TC12-14
2-R41B-0000-J0-FA	CHIP RES.	0603,0 $\Omega$ , $\pm$ 5%,1/16W	R49,R66,R215-R218,R106,R57
2-R41B-0100-J0-FA	CHIP RES.	0603,10 $\Omega$ , $\pm$ 5% , 1/16W	R23,R34,R43,R45,R97,R21-22
2-R41B-0330-J0-FA	CHIP RES.	0603,33 $\Omega$ , $\pm$ 5% , 1/16W	R15,R27-29,R77,R135,R91,R54
2-R41B-0750-J0-FA	CHIP RES.	0603,75 $\Omega$ , $\pm$ 5% , 1/16W	R48,R52,R99,R223-224
2-R41B-0101-J0-FA	CHIP RES.	0603,100 $\Omega$ , $\pm$ 5% , 1/16W	R55,R64,R65,R250,R252
2-R41B-0221-J0-FA	CHIP RES.	0603,220 $\Omega$ , $\pm$ 5% , 1/16W	R87,R94
2-R41B-0331-J0-FA	CHIP RES.	0603,330 $\Omega$ , $\pm$ 5% , 1/16W	R107
2-R41B-0391-J0-FA	CHIP RES.	0603,390 $\Omega$ , $\pm$ 5% , 1/16W	R24
2-R41B-0102-J0-FA	CHIP RES.	0603,1K $\Omega$ , $\pm$ 5% , 1/16W	R36, R205-206.R221,R742
2-R41B-0122-J0-FA	CHIP RES.	0603,1K2 $\Omega$ , $\pm$ 5% , 1/16W	R3
2-R41B-0152-J0-FA	CHIP RES.	0603,1K5 $\Omega$ , $\pm$ 5% , 1/16W	R41
2-R41B-0222-J0-FA	CHIP RES.	0603,2K2 $\Omega$ , $\pm$ 5% , 1/16W	R31,R33,R103,R165,R166
2-R41B-0332-J0-FA	CHIP RES.	0603,3K3 $\Omega$ , $\pm$ 5% , 1/16W	R10~12,R17,R80
2-R41B-0472-J0-FA	CHIP RES.	0603,4K7 $\Omega$ , $\pm$ 5% , 1/16W	R6,R18,R46,R104-105, R200-204
2-R41B-0512-J0-FA	CHIP RES.	0603,5K1 $\Omega$ , $\pm$ 5% , 1/16W	R25,R214,R5
2-R41B-0562-J0-FA	CHIP RES.	0603,5K6 $\Omega$ , $\pm$ 5% , 1/16W	R19

2-R41B-0822-F0-FA	CHIP RES.	0603,8K2Ω,±1% , 1/16W	R26,R44
2-R41B-0103-J0-FA	CHIP RES.	0603,10KΩ,±5% , 1/16W	R4,R13,R20,R51,R68,R72,R74,R81,R82,R108,R128,R167,R168,R208 ~ 210,R212,R213,R133-134
2-R41B-0123-J0-FA	CHIP RES.	0603,12KΩ,±5% , 1/16W	R78
2-R41B-0203-J0-FA	CHIP RES.	0603,20KΩ,±5% , 1/16W	R7,R35,R37,R70,R211
2-R41B-0223-J0-FA	CHIP RES.	0603,22KΩ,±5% , 1/16W	R9
2-R41B-0333-F0-FA	CHIP RES.	0603,33KΩ,±1%,1/16W ,	R73,R76,R111
2-R41B-0473-J0-FA	CHIP RES.	0603,47KΩ,±5% , 1/16W	R14,R50,R75,R79
2-R41B-0513-J0-FA	CHIP RES.	0603,51kΩ,±5% , 1/16W	R8
2-R41B-0563-J0-FA	CHIP RES.	0603,56KΩ,±5% , 1/16W	R2,R42
2-R41B-0104-F0-FA	CHIP RES.	0603,100KΩ,±1% , 1/16W	R1,R67,R95,R62,R747,R748
2-R41B-0474-J0-FA	CHIP RES.	0603,470KΩ,±5% , 1/16W	R115,R16,R53
2-R42C-0010-J0-FA	CHIP RES.	0805,1Ω,±5% , 1/10W	R83 ~ 86,R88,R89
2-R42C-0100-J0-FA	CHIP RES.	0805,10Ω,±5% , 1/10W	R96
2-C15B-0100-J0-NA	Chip.Cap	0603,10p/16V,NPO,±5%	C61 ~ 66
2-C15B-0180-J0-NA	Chip.Cap	0603,18p/16V,NPO,±5%	C57,C58
2-C15B-0220-J0-NA	Chip.Cap	0603,22p/16V,NPO,±5%	C118,C159
2-C15B-0240-J0-NA	Chip.Cap	0603,24p/16V,NPO,±5%	C100-101
2-C15B-0330-J0-NA	Chip.Cap	0603,33p/16V,NPO,±5%	C90,C97-99
2-C15B-0470-J0-NA	Chip.Cap	0603,47p/16V,NPO,±5%	C4
2-C15B-0101-J0-NA	Chip.Cap	0603,100p/16V,NPO,±5%	C69,C70,C42
2-C15B-0271-J0-NA	Chip.Cap	0603,270p/16V,NPO,±5%	C119,C161
2-C15B-0331-J0-NA	Chip.Cap	0603,330p/16V,NPO,±5%	C120,C160
2-C15B-0471-K0-WA	Chip.Cap	0603,470p/16V,X7R,±10%	C12,C13
2-C15B-0561-K0-WA	Chip.Cap	0603,560p/16V,X7R,±10%	C2
2-C15B-0681-K0-WA	Chip.Cap	0603,680p/16V,X7R,±10%	C37,C41
2-C15B-0102-K0-WA	Chip.Cap	0603,1n/16V,X7R,±10%	C7,C17,C18,C25,C34, C49,C43
2-C15B-0222-K0-WA	Chip.Cap	0603,2n2/16V,X7R,±10%	C24
2-C15B-0472-K0-WA	Chip.Cap	0603,4n7/16V,X7R,±10%	C71
2-C15B-0682-K0-WA	Chip.Cap	0603,6n8/16V,X7R,±10%	C9
2-C15B-0103-K0-WA	Chip.Cap	0603,10n/16V,X7R,±10%	C14,C20,C31-32
2-C15B-0473-K0-WA	Chip.Cap	0603,47n/16V,X7R,±10%	C1,C11,C39,C136
2-C15B-0104-K0-WA	Chip.Cap	0603,0.1u/16V,X7R,±10%	BC1-5,BC10-21,BC23,BC24,C3,C5,C6,C8,C15,C16,C19,C21-23,C26-30,C35,C38,C44,C47-48,C50-52,C54-56,C59,C68,C72-77,C79,C80,C83,C85,C86,C87,C91,C93,C94,C115-117,C180-183,C197,C500-505,C507-C511,C516-531,C722
2-C15B-0224-N0-YA	Chip.Cap	0603,0.22u/16V,Y5V,+80%-	C60
2-C13B-0474-N0-YA	Chip.Cap	0603,0.47u/10V,Y5V,+80%-	C10,C92
2-R81B-0330-J0-FA	CHIP NETWORK.	0603,33Ωx4,±5% , 1/16W	RN2,RN20-23
2-R81B-0470-J0-FA	CHIP NETWORK.	0603,47Ωx4,±5% , 1/16W	RN1
2-R81B-0101-J0-FA	CHIP NETWORK.	0603,100Ωx4,±5% , 1/16W	RN13 ~ 16
2-R81B-0103-J0-FA	CHIP NETWORK.	0603,10KΩx4,±5% , 1/16W	RN7 ~ 12
2-L26E-0400-K0-0A	chip inductor	1206,40uH	L2,L3
2-L25E-0001-K0-0A	chip inductor	1206,1uH	L10
2-L2EC-01R8-M0-0A	chip inductor	0805,1.8uH	L7,L20
2-L25E-04R7-K0-0A	chip inductor	1206,4.7uH	L22-25
2-L60C-0600-KC-BA	Chip bead	0805,600	FB15-16
2-L60C-0601-KC-BA	Chip bead	0805,601	FB27-31FB10-11FB13-14FB20-24
2-L66E-FB01-00-1A	Chip bead	1206,121	FB1-9FB12FB19FB701
2-T20C-3904-00-0A	Transistor	PMBT3904,SOT-23	Q5,Q9,Q707
2-T20D-4376-00-0A	Transistor	KTC4376, SOT-89,BCE,NPN	Q3
2-T10D-1132-00-0A	Transistor	2SB1132, SOT-89,BCE,PNP	Q1,Q2
2-D10B-4148-00-0A	DIODE	1N4148	D4,D10

2-D10M-4148-00-0A	DIODE		D1-D3,D5-D9
2-UA0G-4558-00-0A	DUAL AMP	NJM4558 SOP-8	U3
2-UA0G-8052-00-00	OP AMP	AD8052 SOIC8	U16
2-UM0H-5706-00-C0	DVD-ROM Controller		U1
2-UA0G-24C0-02-00	EEPROM	AT24C02, SOP8	U6
2-UA0G-5954-00-0A	DRIVER IC	BA5954FP,HSOP-28	U9
2-UA0G-6849-00-0A	DRIVER IC	BA6849FM,HSOP-28	U10
2-UA0G-M393-00-00	OP AMP	LM393,SOP8	U11
2-UA00-9164-00-0A	VOL. REG.3.3V	RT9164,SOT-223	U13-U14
2-UM0H-3721-00-C0	RF FRONT END		U2
2-UD0G-1M16-00-0A	SDRAM	HY57V161610D (16M)	U7,U8
2-UA00-4340-00-00	Audio D/A	CS4340-kS, SOIC16	U502
2-UA0N-4911-00-00	EEPROM	W29C011AP, PLCC32D	U4
2-UM00-6748-00-00	MPEG CHIP	ZR36748,PQFP208	U5
2-UA0Q-VF80-00-00	8M FLASH	MBM29LV800, TSOP-48	U12
2-X450-0000-27-ME	Crystal		Y1
2-X450-33M8-68-8E	Crystal		Y3
2-J106-1R25-01-00	Socket		CN5
2-J105-0002-00-01	Socket		CN204
2-Q312-1037-00-0A	SWITCH	MPU10371MLB0	S1
2-B032-0115-06-00	PCB		
2-A410-7121-R5-00	SPONGE MAT	7X12X1.5	
2-A410-7075-R5-00	SPONGE MAT	7*7*5.0	
2-A410-6241-R5-00	PVC MAT	6*2.4*1.0	
1-1005-5003-00-00	XP SCREW	M2*4	
X-2506-0001-00-00	DVD LOADER	DVD-C01	
2-R41B-0101-J0-FA	CHIP RESISTOR	100Ω,±5% , 1/16W	R28
2-R41B-0102-J0-FA	CHIP RESISTOR	1KΩ±5% 1/16W	R3,R36
2-R41B-0472-J0-FA	CHIP RESISTOR	4.7KΩ±5% 1/16W	R33,R34
2-R41B-0222-J0-FA	CHIP RESISTOR	2.2KΩ±5% 1/16W	R8,R11
2-R41B-0103-J0-FA	CHIP RESISTOR	10KΩ±5% 1/16W	R6,R10,R27,R29,R35
2-R41B-0473-J0-FA	CHIP RESISTOR	47KΩ±5%, 1/16W	R2,R7,R12
2-R41B-0104-J0-FA	CHIP RESISTOR	100KΩ±5% 1/16W	R1
2-C15B-0103-K0-	CHIP CAPACITOR	103/16V,X7R,±10%	C4
2-DZ00-03R9-00-0A	Zener	3V9	Z1
2-Y23X-1721-40-00	SMD LED	RED	D8~D32
2-Q212-3MBS-00-00	TACT SWITCH	6.0x3.5x5.0	K1~K17
2-L65C-FB01-00-1A	BEAD COIL	FERB/0805/1A	FB1~FB10
2-UA0H-6431-00-00	LCD驱动片	UPD16431A	U1
2-T10J-1663-00-0A	Transistor	PNP,KTA1663	Q2
2-T20C-3904-00-0A	Transistor	2N3904S	Q1
2-J216-0001-MI-08	16-PINCONNECTOR(公)	CAM-C73	CON3
2-C236-0476-M0-0D	Alu. Cap. Elect.	47uF/10V, ±20%	C1,C5
2-D101-4148-00-1B	SWITCHING DIODE	RLS4148(ISS133)	D1~D6
2-UM00-3809-00-00	Remote Rec	RPM6938	U2
2-Q935-ENCO-00-0B	ENCODER	13.4L*14.5W*14.5H	EN1
2-Y502-5908-20-41		NSTN5908FPNT/T,	LCD1
2-Y76X-3021-00-05	LED		BL1
2-B032-0123-05-00	KEY BOARD		
2-R41B-0102-J0-FA	CHIP RESISTOR	1KΩ±5% 1/16W	R37
2-J116-0001-02-06	FFC CONNECTOR	16PIN,	CON2
2-Y23X-1721-40-00	SMD LED	RED	D33~D34
2-Q212-1523-00-00	TACT SWITCH	HCT-11523	K18
2-J116-0001-MI-08	16-PIN CONNECTOR	CAM-C74	CON1
2-B032-0127-03-00	EO BOARD		