

JVC

SCHEMATIC DIAGRAMS

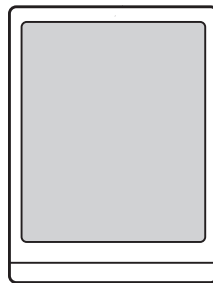
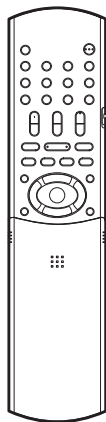
COMPACT COMPONENT SYSTEM

EX-D1

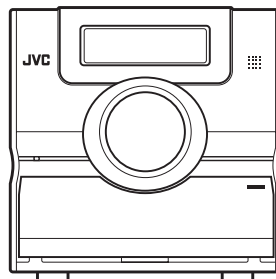
CD-ROM No.SML200506

Area suffix

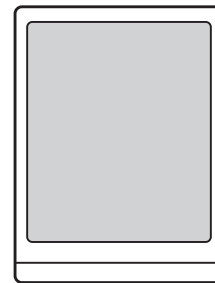
B ----- U.K.
E ----- Continental Europe
EN ----- Northern Europe
EV ----- Eastern Europe
EE ----- Russian Federation



(SP-EXD1)



(CA-EXD1)



(SP-EXD1)



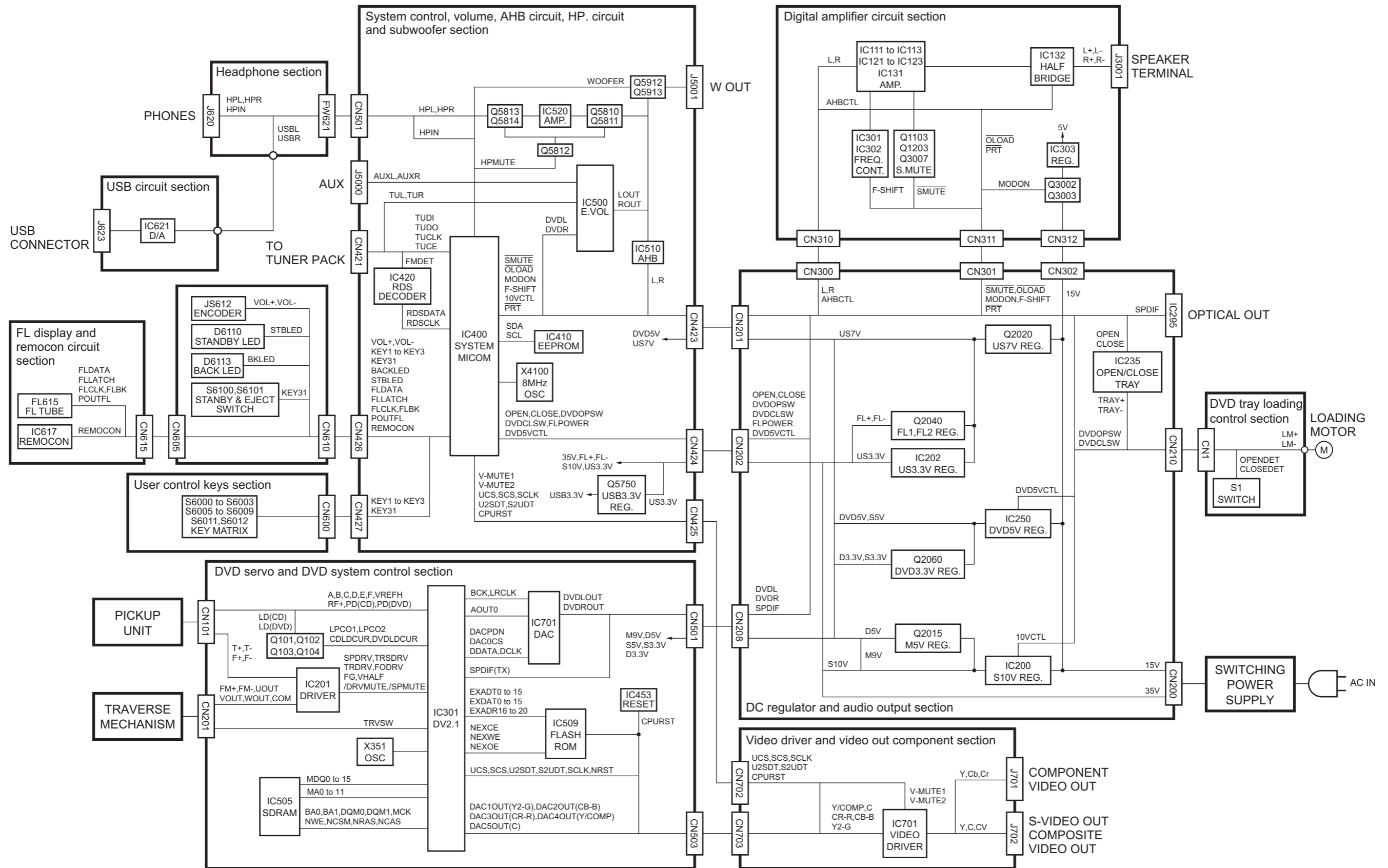
Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)

Contents

Block diagram	2-1
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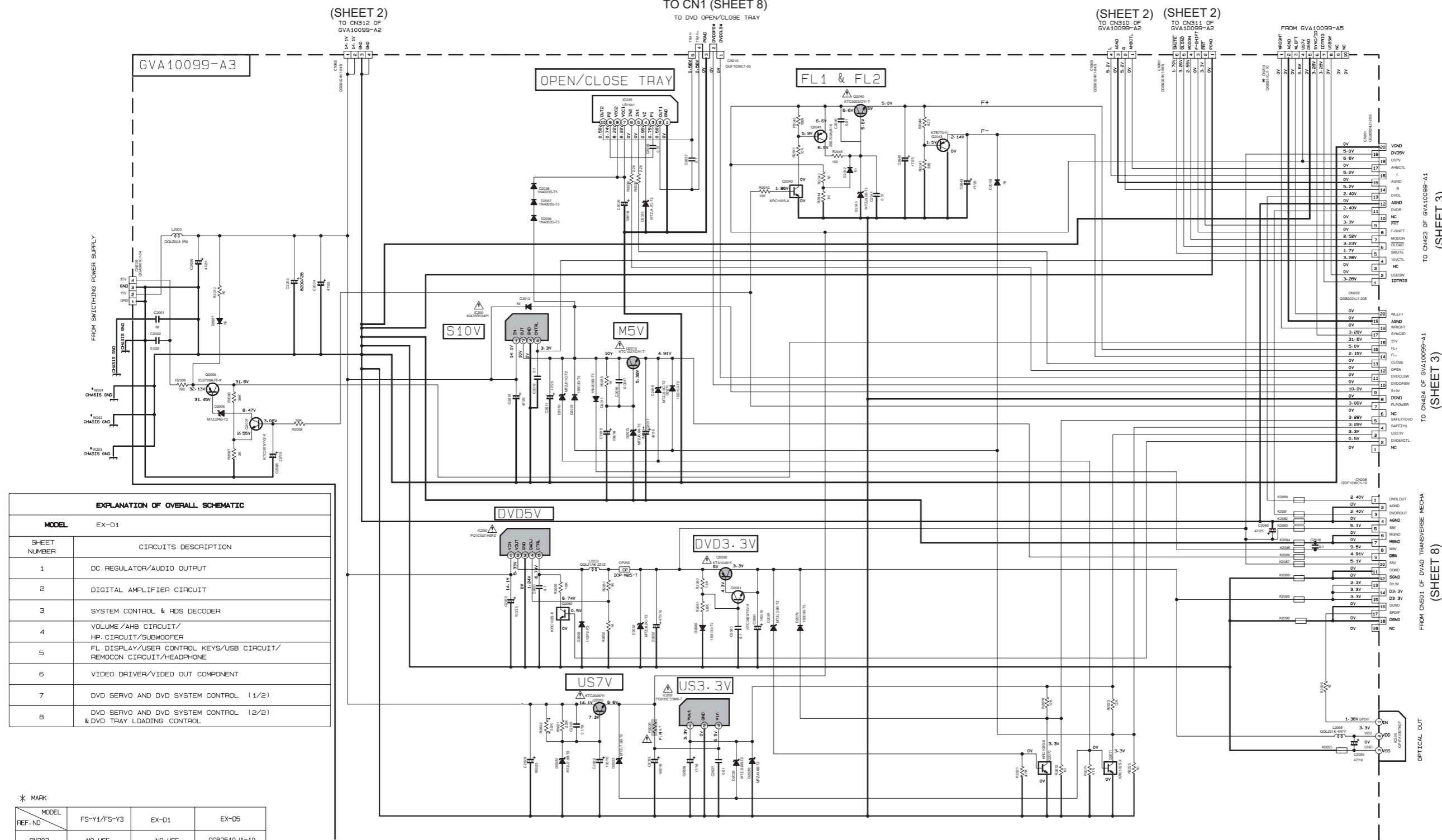
In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (■), diode (▬) and ICP (●) or identified by the "⚠" mark nearby are critical for safety.

Block diagram



Standard schematic diagrams

DC regulator and audio output section



EXPLANATION OF OVERALL SCHEMATIC

MODEL	EX-D1
SHEET NUMBER	CIRCUITS DESCRIPTION
1	DC REGULATOR/AUDIO OUTPUT
2	DIGITAL AMPLIFIER CIRCUIT
3	SYSTEM CONTROL & RDS DECODER
4	VOLUME/AHB CIRCUIT/ HP. CIRCUIT/SUBWOOFER
5	FL DISPLAY/USER CONTROL KEYS/USB CIRCUIT/ REMOCON CIRCUIT/HEADPHONE
6	VIDEO DRIVER/VIDEO OUT COMPONENT
7	DVD SERVO AND DVD SYSTEM CONTROL (1/2)
8	DVD SERVO AND DVD SYSTEM CONTROL (2/2) & DVD TRAY LOADING CONTROL

* MARK

REF. NO	FS-Y1/FS-Y3	EX-D1	EX-D5
CN203	NO USE	NO USE	QGB2510J1-10
W201	QUB030-30FPHM-E	WJZ0160-001A-E	WJZ0160-001A-E
W202	QUB030-31FPQT-E	WJZ0161-001A-E	WJZ0161-001A-E
W203	NO USE	QUB070-18DMDM-E	QUB070-18DMDM-E

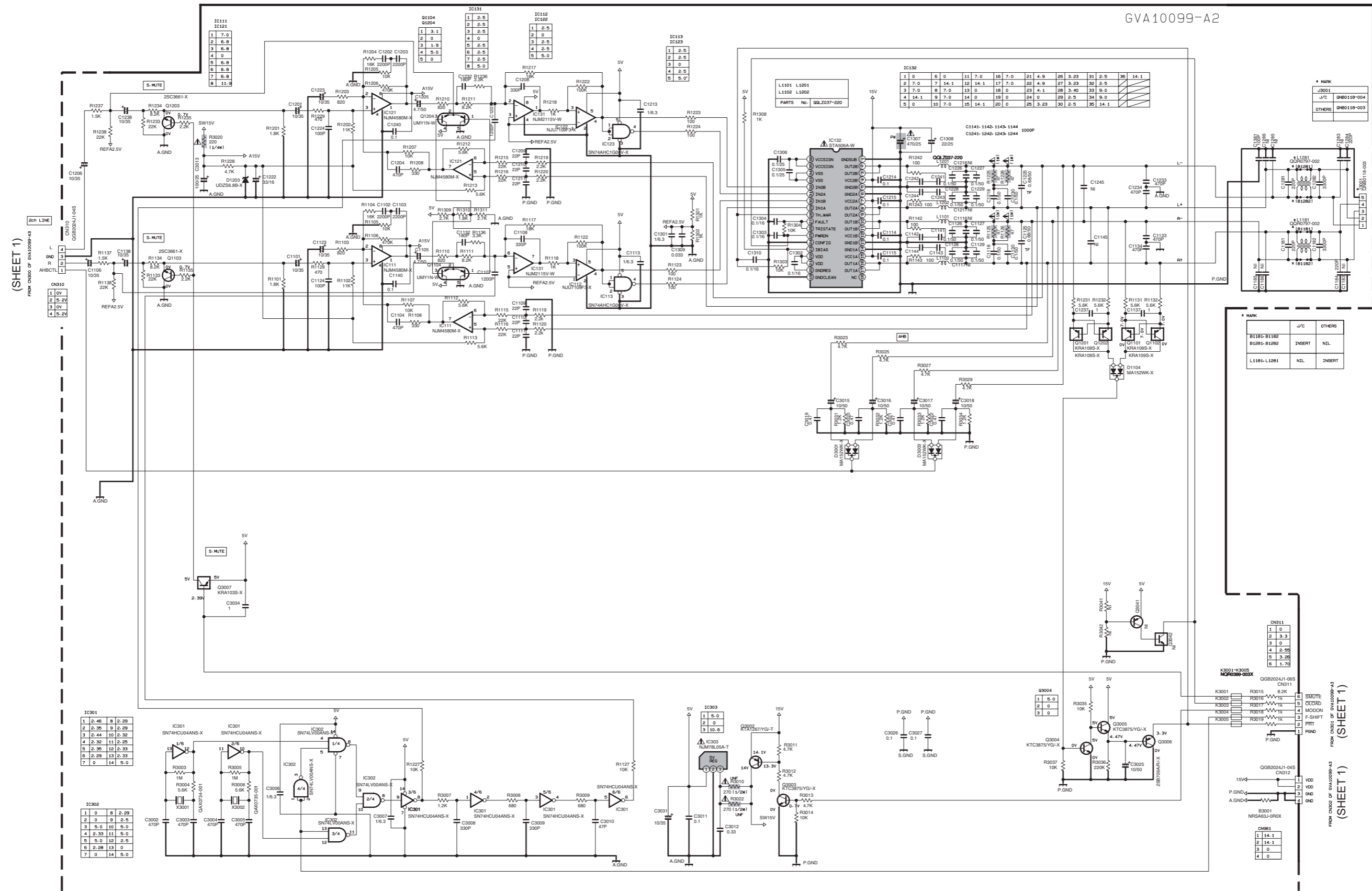
NOTES

- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION-CD STOP MODE.
- UNLESS OTHERWISE SPECIFIED, RESISTORS ARE 1/16W±5% METAL GLAZE RESISTOR. ALL RESISTANCE VALUES ARE IN OHM (Ω). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN pF (pF). ALL INDUCTANCE VALUES ARE IN μH (μH). ALL E-CAPACITORS ARE SHOWN IN THE FORM RESET OF INH CAPACITANCE (μF)/RATED VOLTAGE (V).



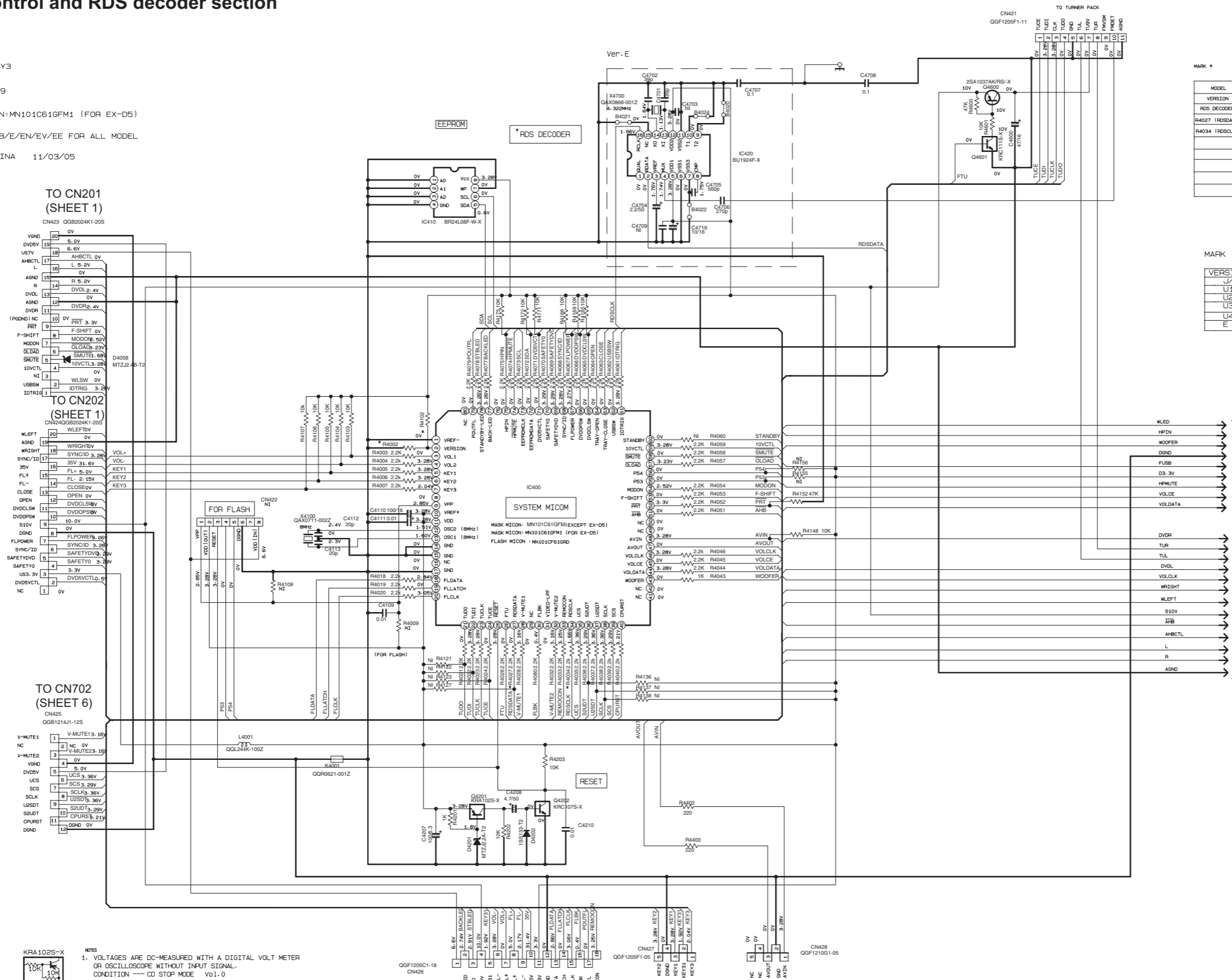
Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

■ Digital amplifier circuit section



System control and RDS decoder section

N-17
ADD MODEL FS-Y3
N-20
TOTAL PAGE : 9
G-9
ADD MASK MICON:MN101C616FM1 (FOR EX-D5)
B-17
ADD VERSION B/E/EN/EE FOR ALL MODEL
RA5355 MASRINA 11/03/05



MARK *

MODEL	EX-D1	EX-D5	FS-Y1/FS-Y3
VERSION	B/E/EN/EE	B/E/EN/EE	B/E/EN/EE
RDS DECODER	USE	USE	USE
R4027 (RDSDATA)	USE	USE	USE
R4034 (RDSCLK)	USE	USE	USE

MARK *

VERSION	R4102	R4002
J/C	10K	3.6K
U1	10K	8.2K
U2	10K	16K
U3	10K	39K
U4	10K	NONE
E	NONE	10K

TO CN201 (SHEET 1)

TO CN202 (SHEET 1)

TO CN702 (SHEET 6)

TO CN610 (SHEET 5)

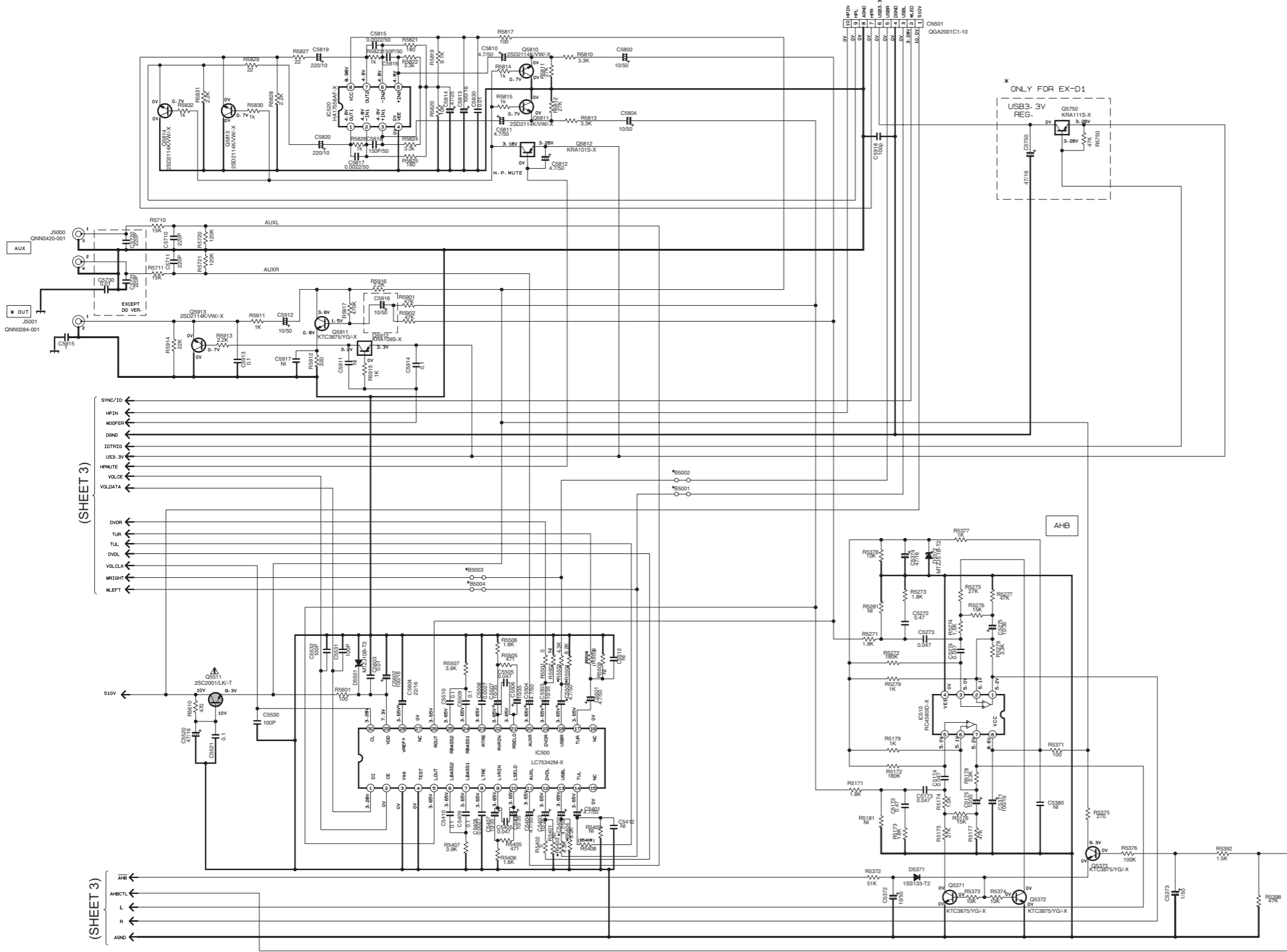
TO CN600 (SHEET 5)

(SHEET 4)

- NOTES
- VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION — CD STOP MODE — VO1-0
 - UNLESS OTHERWISE SPECIFIED RESISTORS ARE 63mW ±5% CARBON RESISTOR. ALL RESISTANCE VALUES ARE IN Ω(M). ALL CAPACITORS ARE CERAMIC CAPACITOR OR MYLAR CAPACITOR. ALL CAPACITANCE VALUES ARE IN #F(P=PF). ALL INDUCTANCE VALUES ARE IN #H(M=MH). ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V). ALL DIODES ARE MA111-X
 - MARK(*) AND #1 IS TO SHOW DEVIATION IN VERSIONS ARE EXPLAINED NEAR MARK.

Volume, AHB circuit, HP. circuit and subwoofer section

TO FW621 (SHEET 5)



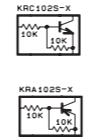
(SHEET 3)

(SHEET 3)

MARK *

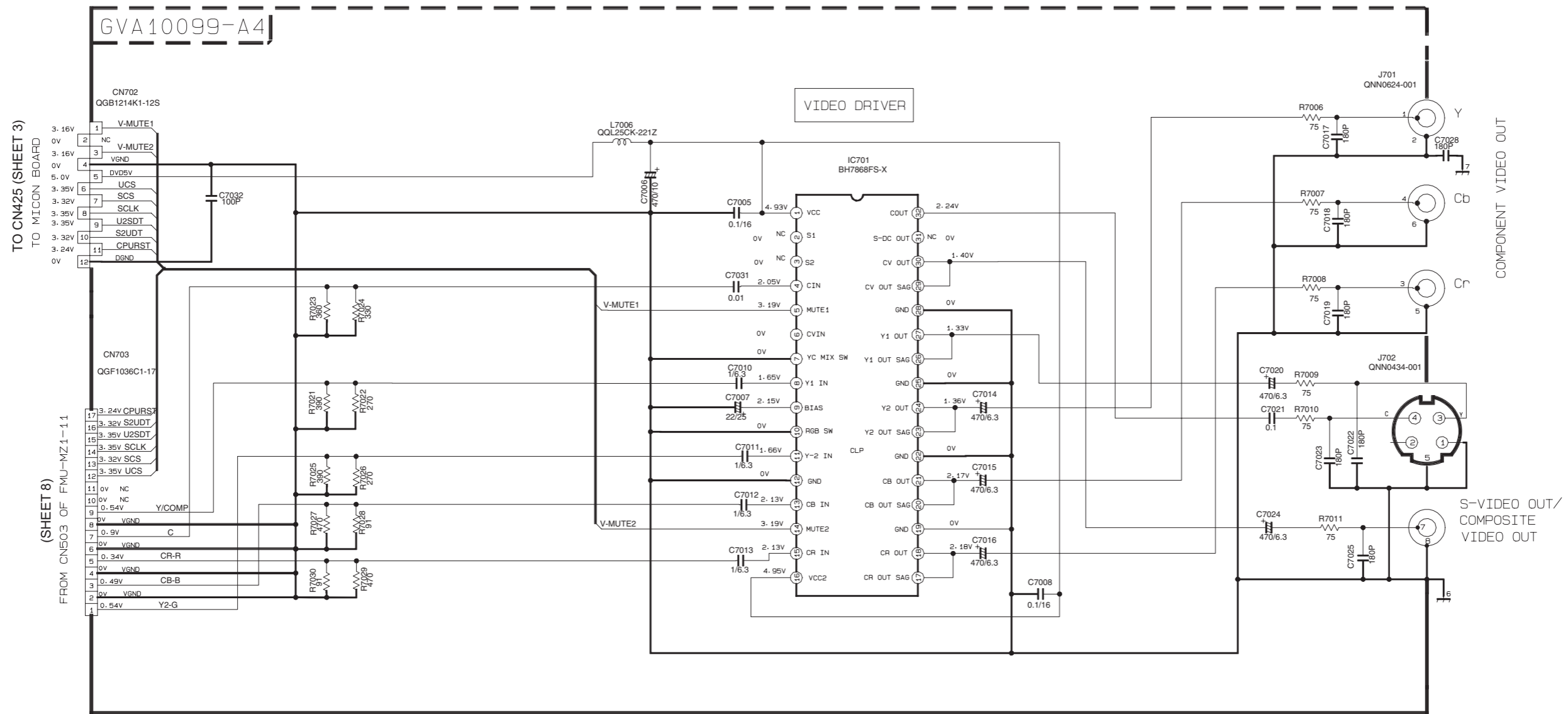
	EX-D1	EX-D5	EX-D7
B5001	USE	NONE	NONE
B5002	USE	NONE	NONE
B5003	NONE	USE	NONE
B5004	NONE	USE	NONE
R5403	4.3K	4.3K	NONE
R5404	8.2K	8.2K	NONE
R5503	4.3K	4.3K	NONE
R5504	8.2K	8.2K	NONE
C5402	4.7/50	4.7/50	NONE
C5502	4.7/50	4.7/50	NONE

NOTES
 1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER OR OSCILLOSCOPE WITHOUT INPUT SIGNAL. CONDITION- CD STOP MODE.
 2. UNLESS OTHERWISE SPECIFIED.
 ALL RESISTANCE VALUES ARE IN OHM(Ω).
 ALL CAPACITANCE VALUES ARE IN μF(μF) OR PICO-FARAD (PF).
 ALL INDUCTANCE VALUES ARE IN μH(μH).
 ALL E-CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE (μF)/RATED VOLTAGE (V).
 ALL DIODES ARE 1SS133-T2



Parts are safety assurance parts. When replacing those parts make sure to use the specified one.

Video driver and video out component section



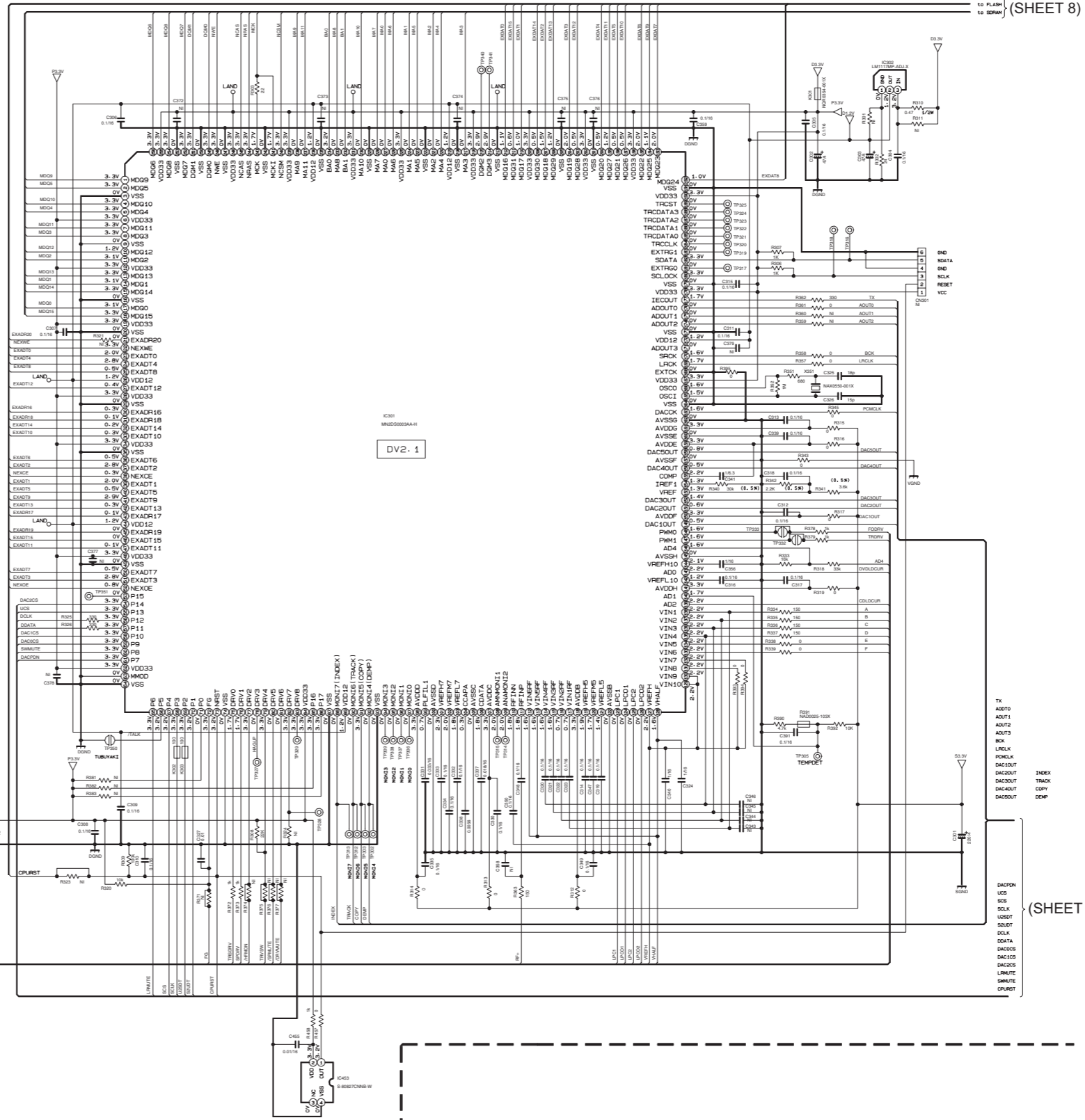
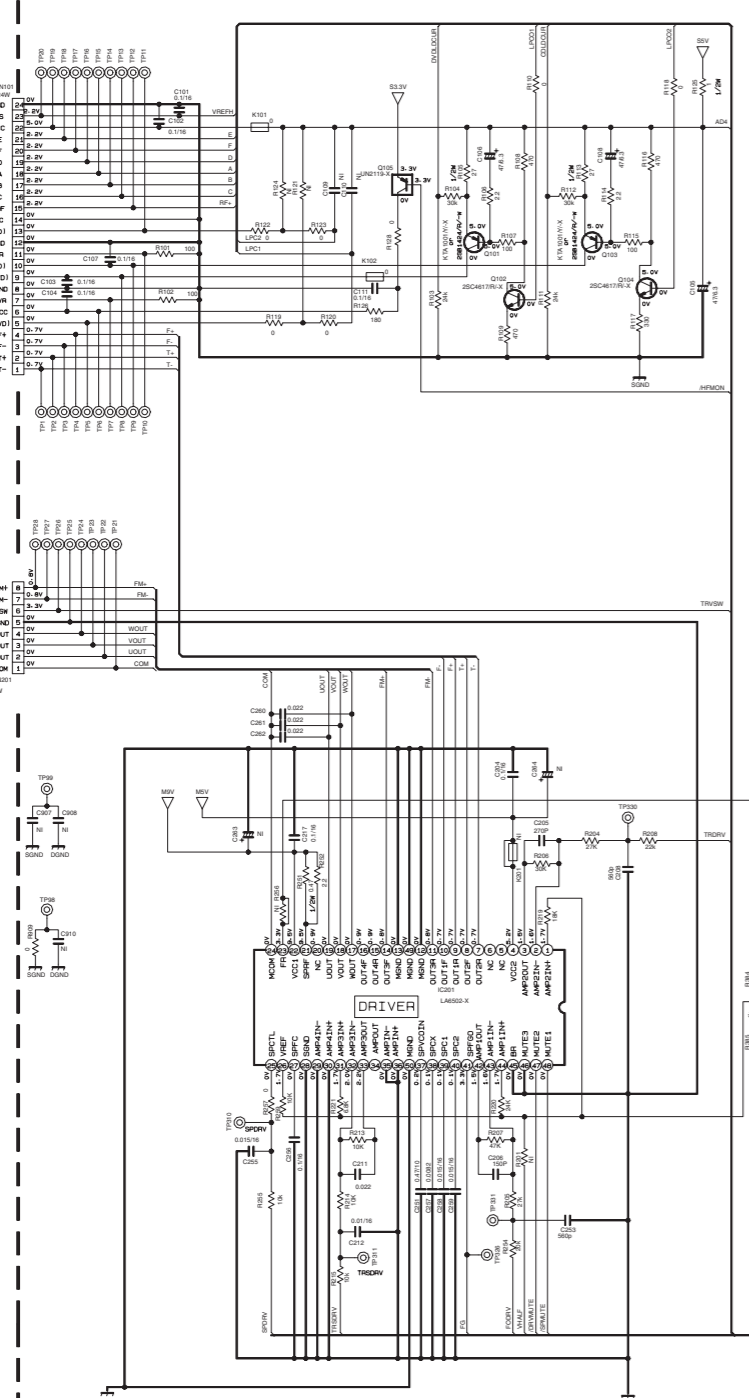
■ DVD servo and DVD system control section (1/2)

TO DVD TRANSVERSE MECHA ELM-V72-1C

TO DVD TRANSVERSE MECHA EXL-V11-1C

TO DVD TRANSVERSE MECHA ELM-V72-1C

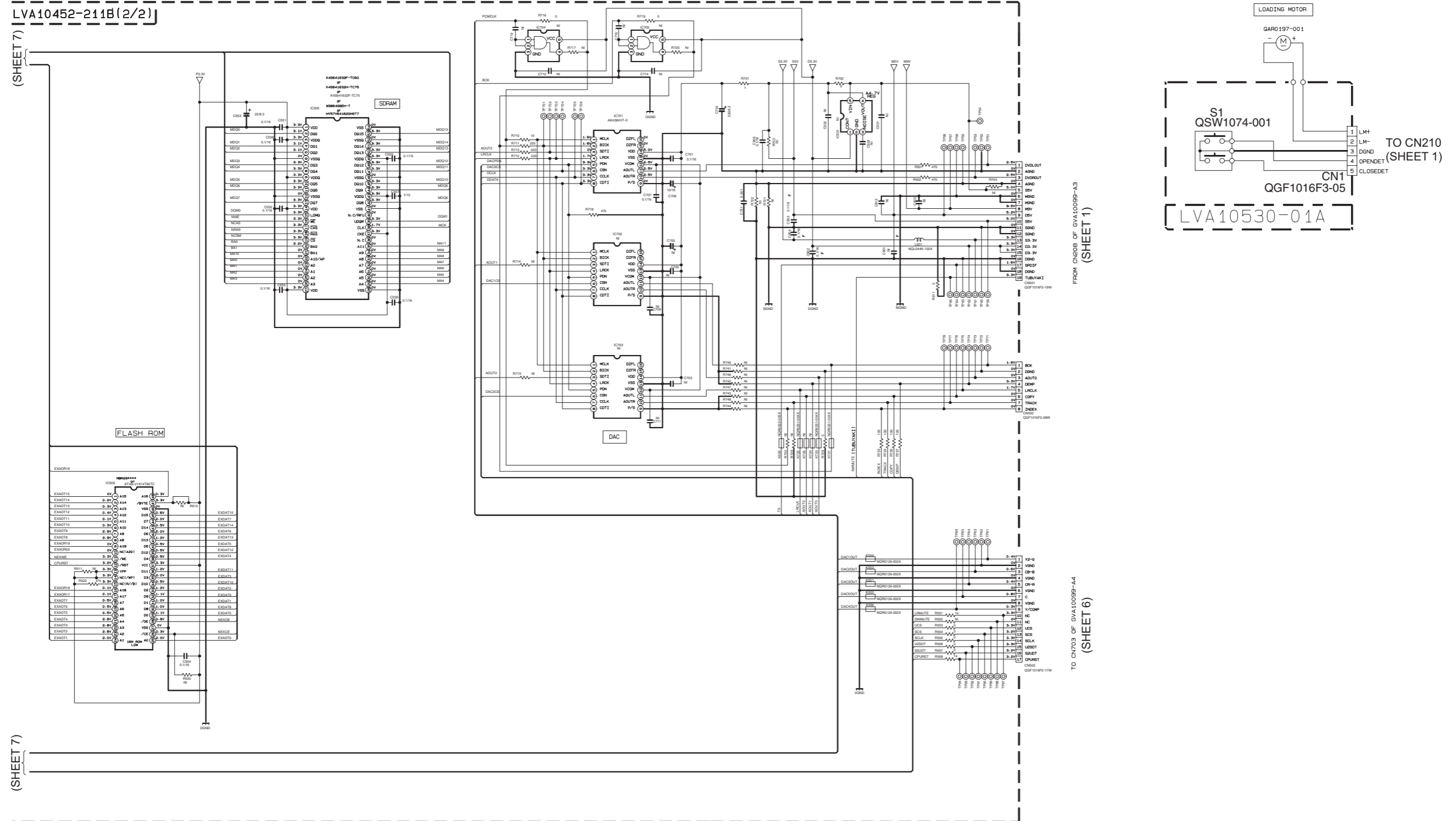
LVA10452-211B (1/2)



TO FLASH TO SPIN (SHEET 8)

(SHEET 8)

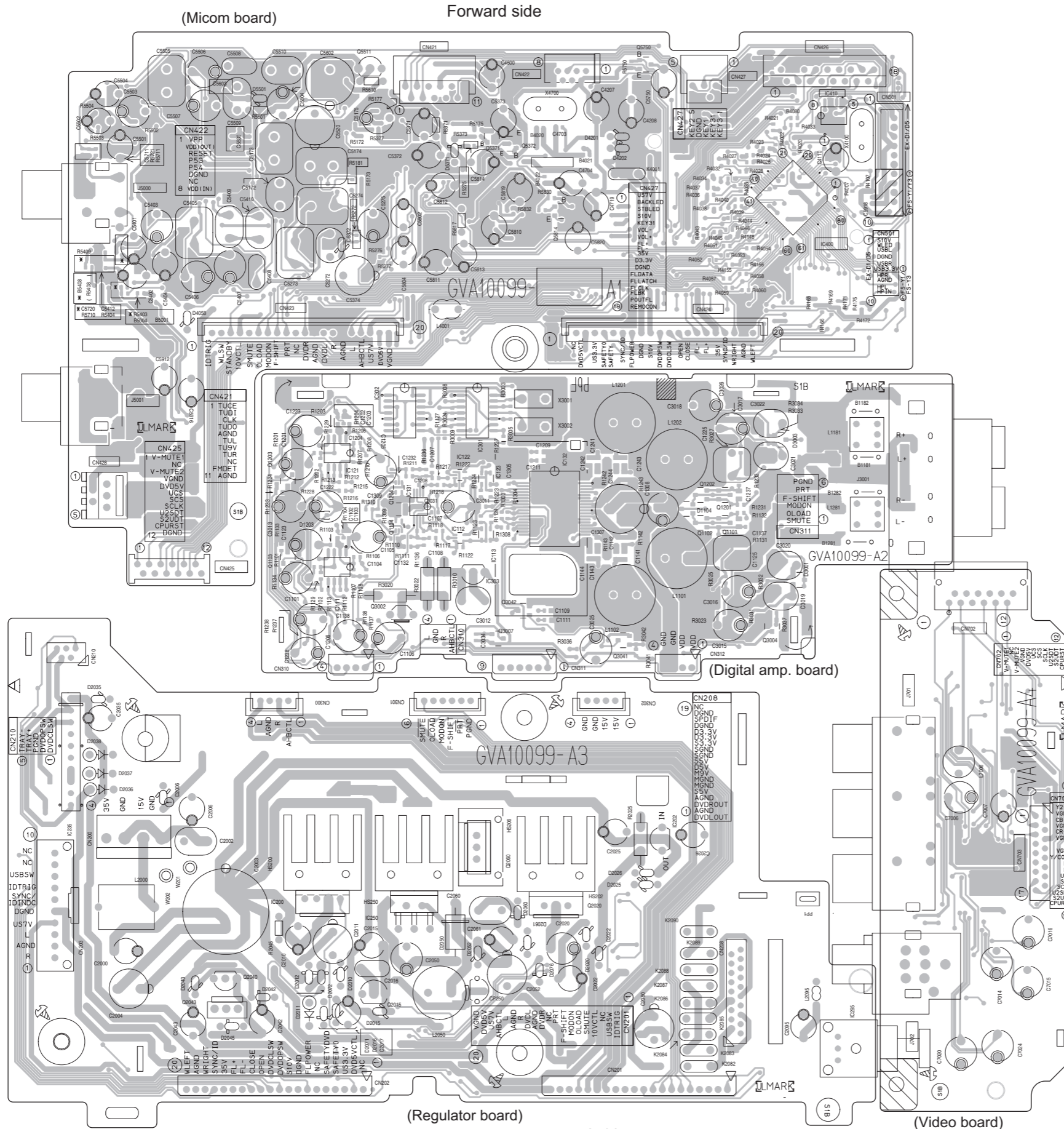
DVD servo and DVD system control section (2/2) / DVD tray loading control section



Printed circuit boards

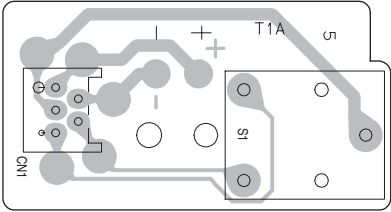
■ Main board (1/2)

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



■ DVD loading switch board

Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade)



JVC

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