

JVC

SCHEMATIC DIAGRAMS

DVD PLAYER

XV-N410B, XV-N412S

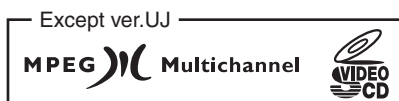
CD-ROM No.SML200407

Area Suffix (XV-N410B)

UJ ----- U.S.A. Military

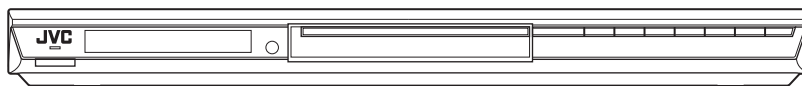
Area Suffix (XV-N412S)

UW ---- Brazil, Mexico, Peru
US ----- Singapore
UG - Turkey, South Africa, Egypt
UX ----- Saudi Arabia
UF ----- China
UT ----- Taiwan
UB ----- Hong Kong
A ----- Australia



AV COMPU LINK

Digital Direct Progressive Scan



XV-N410BUJC, XV-N412SUWC, XV-N412SUSC, XV-N412SUGC, XV-N412SUXC,
XV-N412SUFC, XV-N412SUTC, XV-N412SUBC, XV-N412SAC

This service manual is a service manual of a model in which destination is added to the issued service manual XV-N410B, XV-N412S (issue number: XA018 2004/3).

This service manual consists of only "Parts List," "Standard Schematic Diagrams," "Printed Circuit Boards," "Block Diagram," and "Instruction Book." Regarding service information other than these sections, refer to the service manual XV-N410B, XV-N412S (issue number: XA018 2004/3).

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components indentified by the symbol  are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

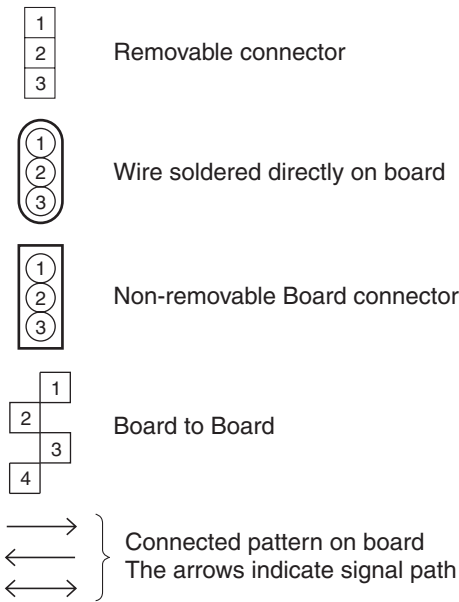
- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: $K\Omega$ (1000 Ω), M: $M\Omega$ (1000 $K\Omega$)
- 2) All capacitance values are in μF , (P: PF).
- 3) All inductance values are in μH , (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only.
When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.
 $\overline{AUX}$ or AUX(L) : Active at low.

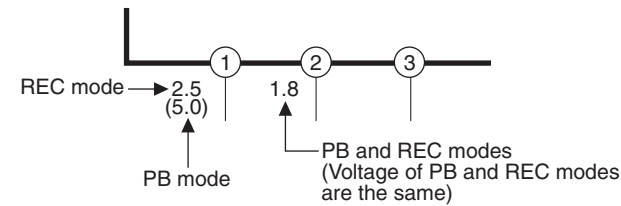
3. Interpreting Connector indications



Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

4. Voltage measurement

- 1) Regulator (DC/DC CONV) circuits
REC : Colour bar signal.
PB : Alignment tape (Colour bar).
— : Unmeasurable or unnecessary to measure.
- 2) Indication on schematic diagram
Voltage indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.

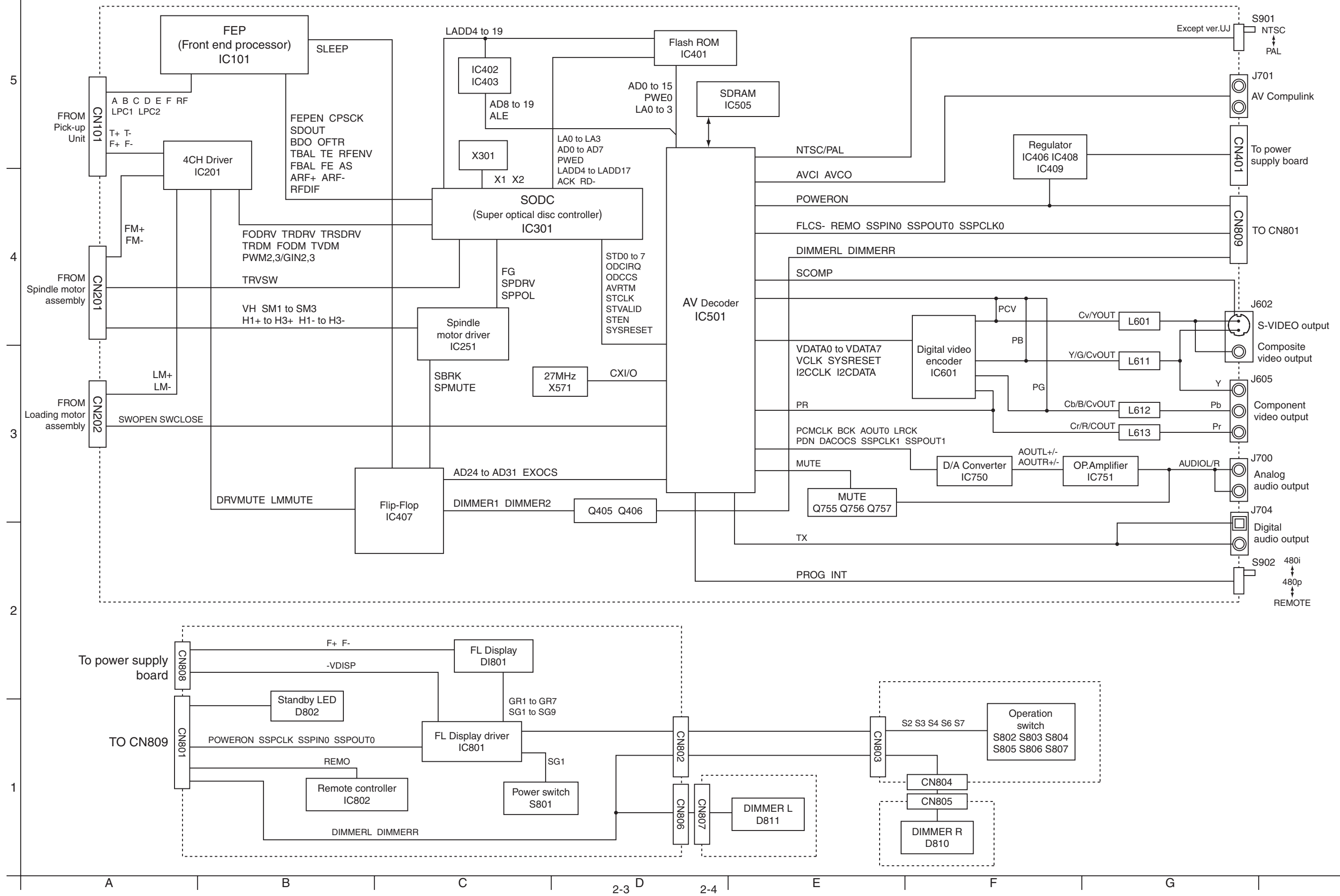


7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



Block diagram



■ Servo control section



AV Decoder section

TO SHEET 1

AVRTM
STCLK
STVALID
STEN
STD0~STD7
ODCIRQ
ODCCS

TO SHEET 4

TO SHEET 1

TO SHEET 3

I2CDATA
INT
POWERON
SWCLOSE
AVCI
AVCO

TO SHEET 3

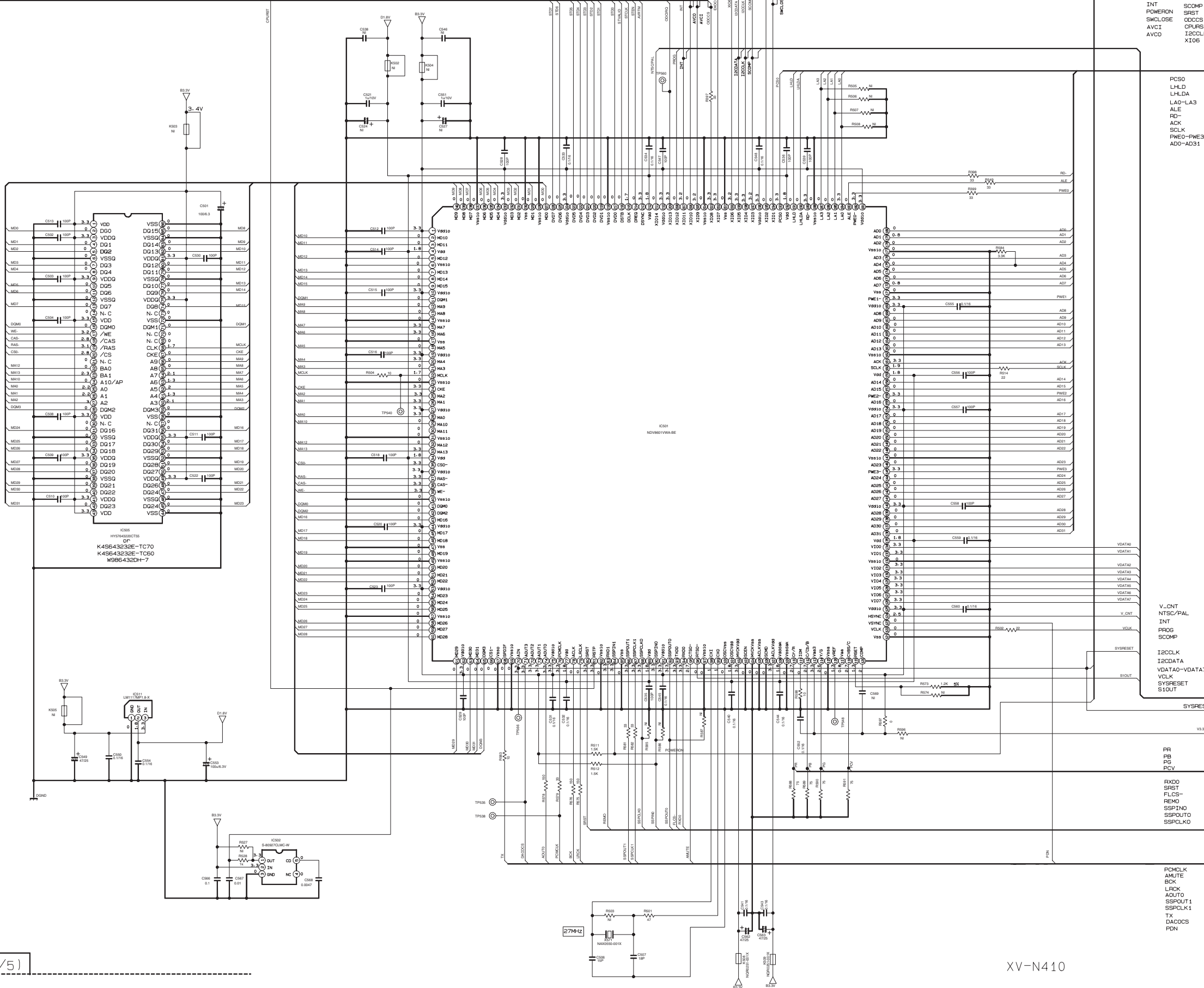
PCSO
LHLD
LHLD A
LA0~LA3
ALE
RD-
ACK
SCLK
PWE0~PWE3
AD0~AD31

GNA10020-A1 (2/5)

gns10022001a2_rev0

SHEET 2

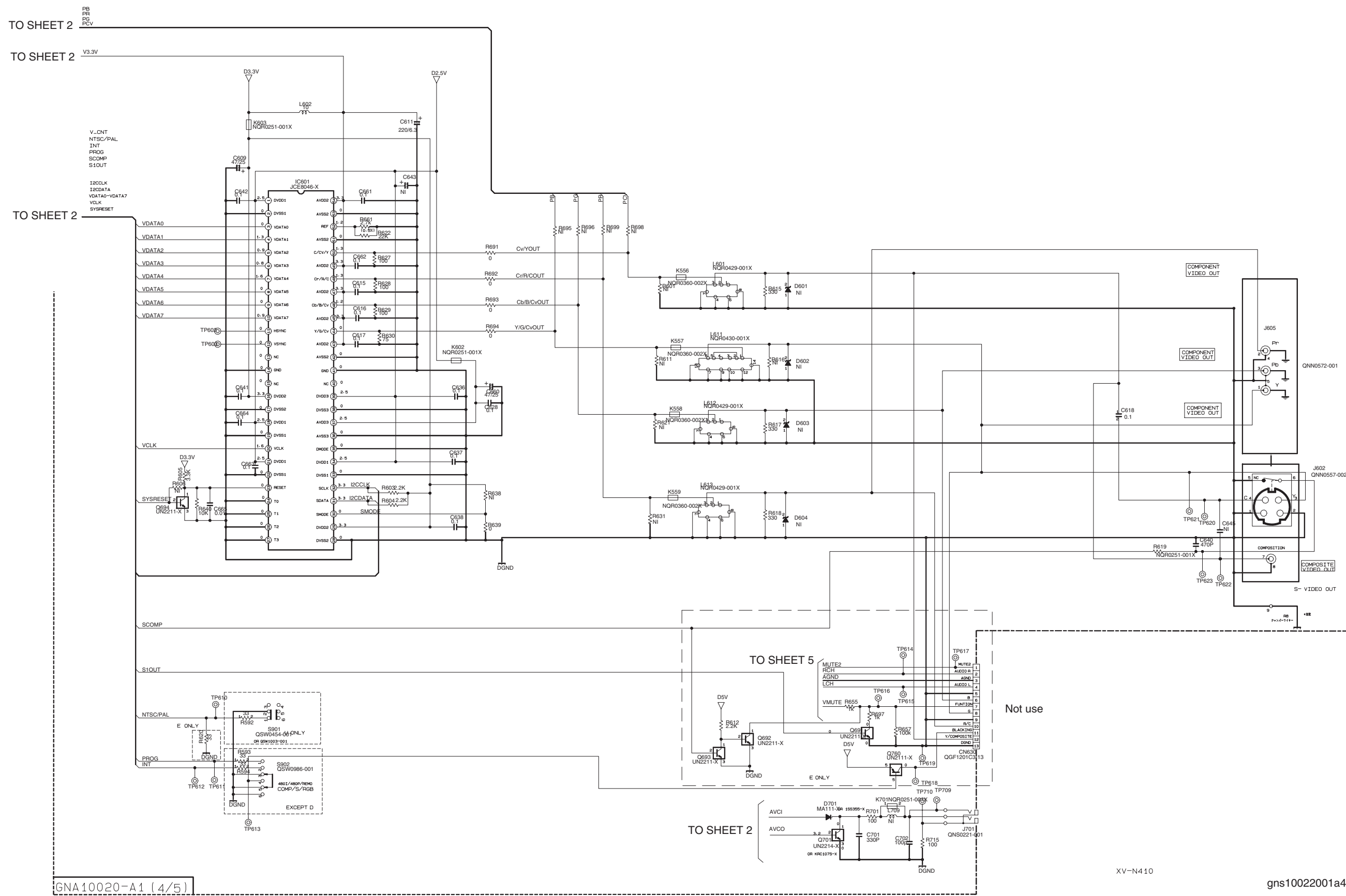
XV-N410



gns10022001a3_rev0

Video signal output terminal section

5
4
3
2
1



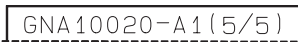
GNA10020-A1 (4/5)

gns10022001a4_rev1

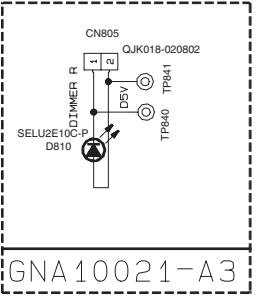
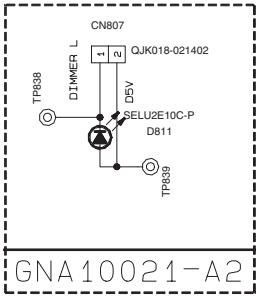
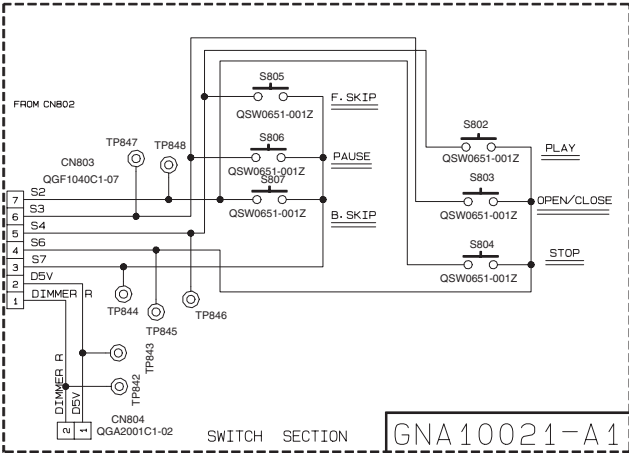
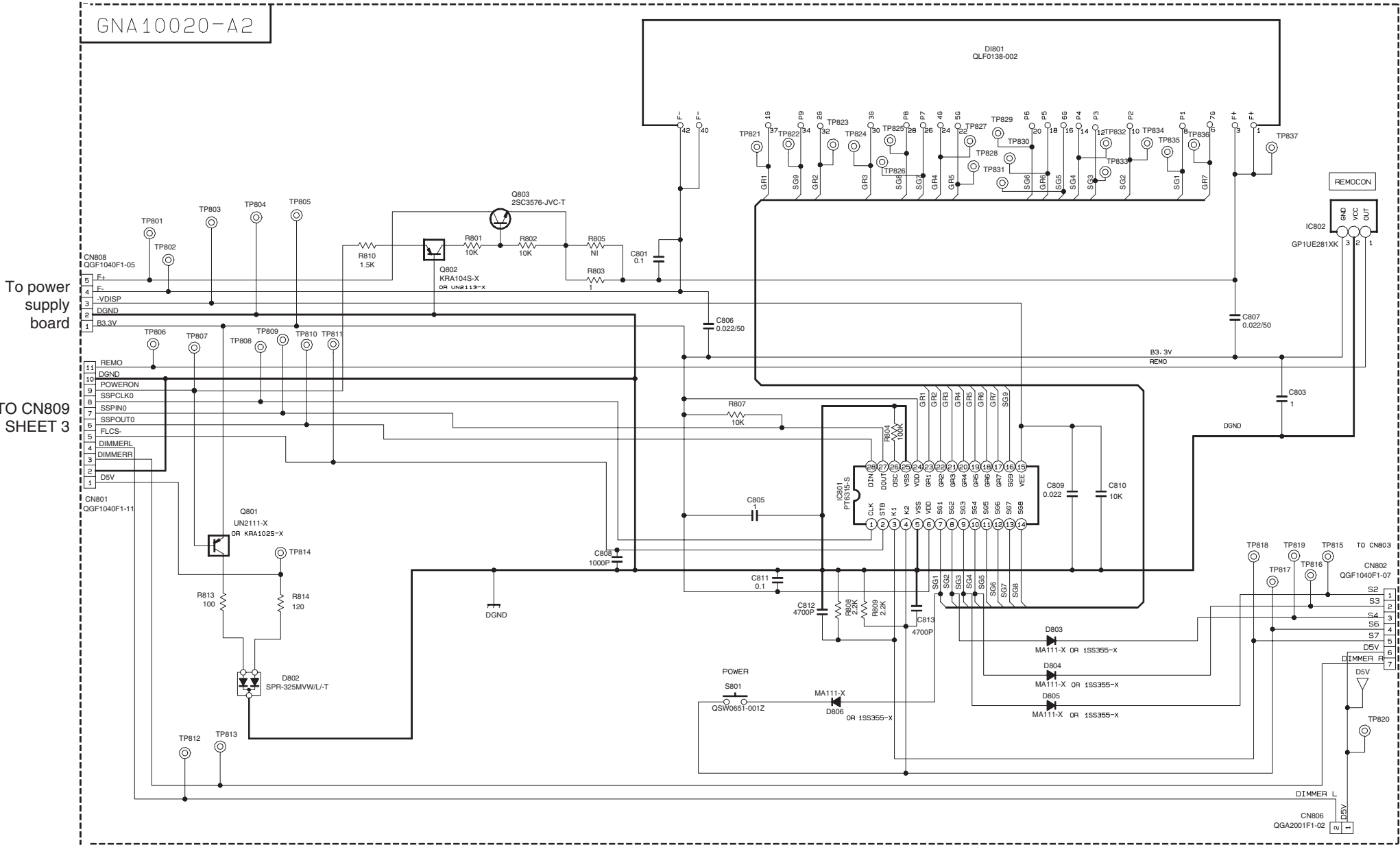
SHEET 4

XV-N410

TO SHEET 2



FL Display and operation switch section



XV-N410

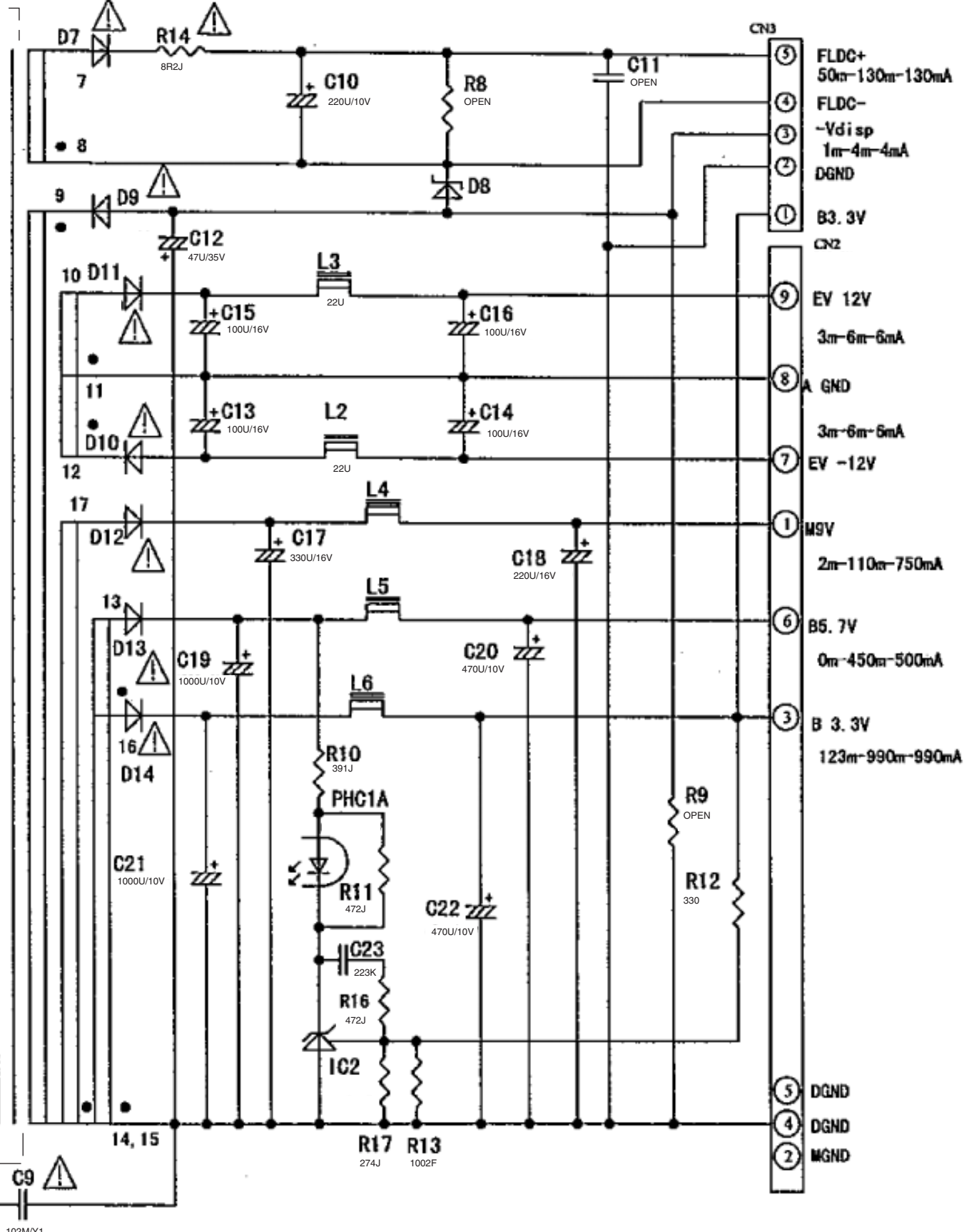
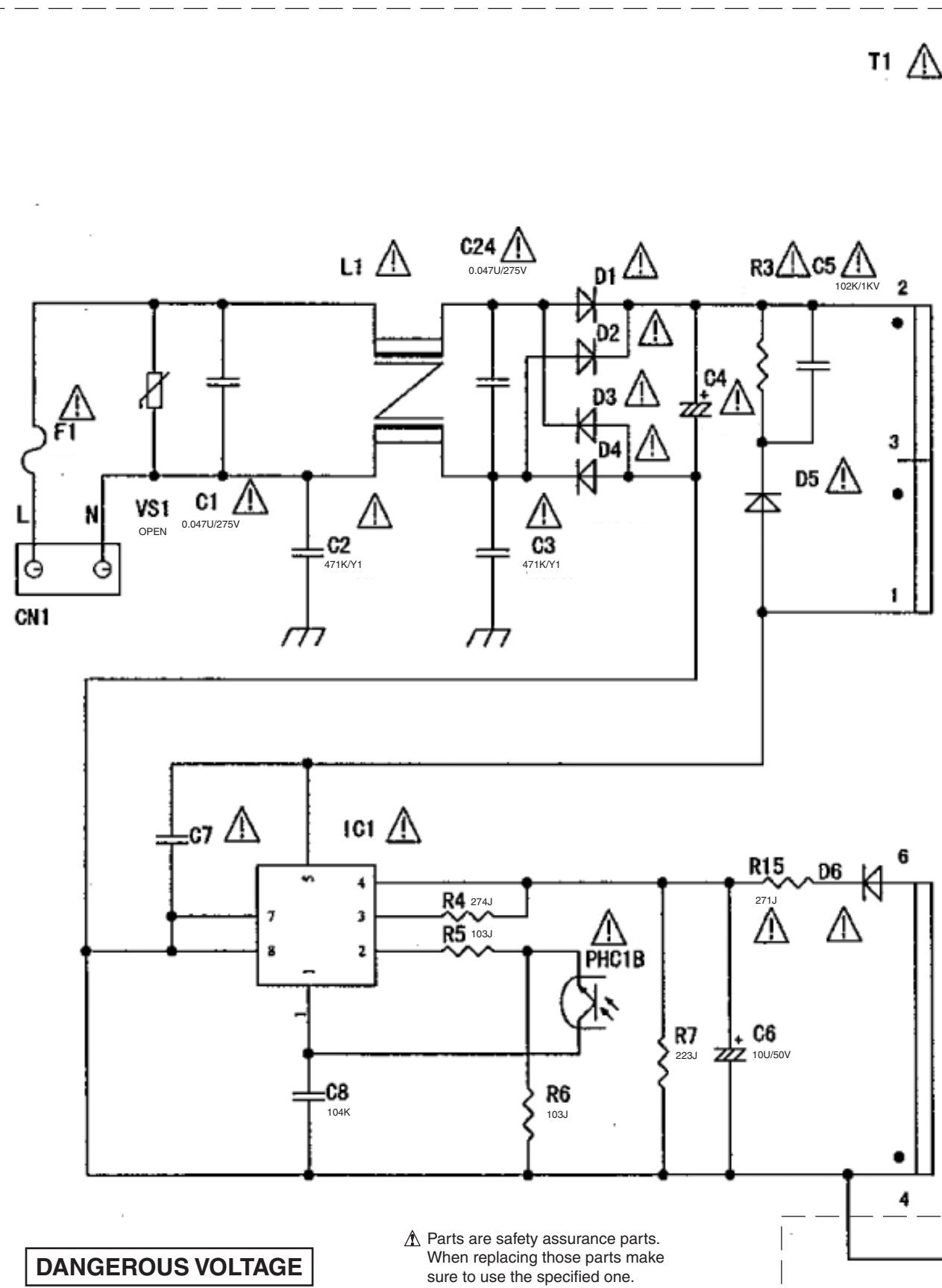
5

4

3

2

1

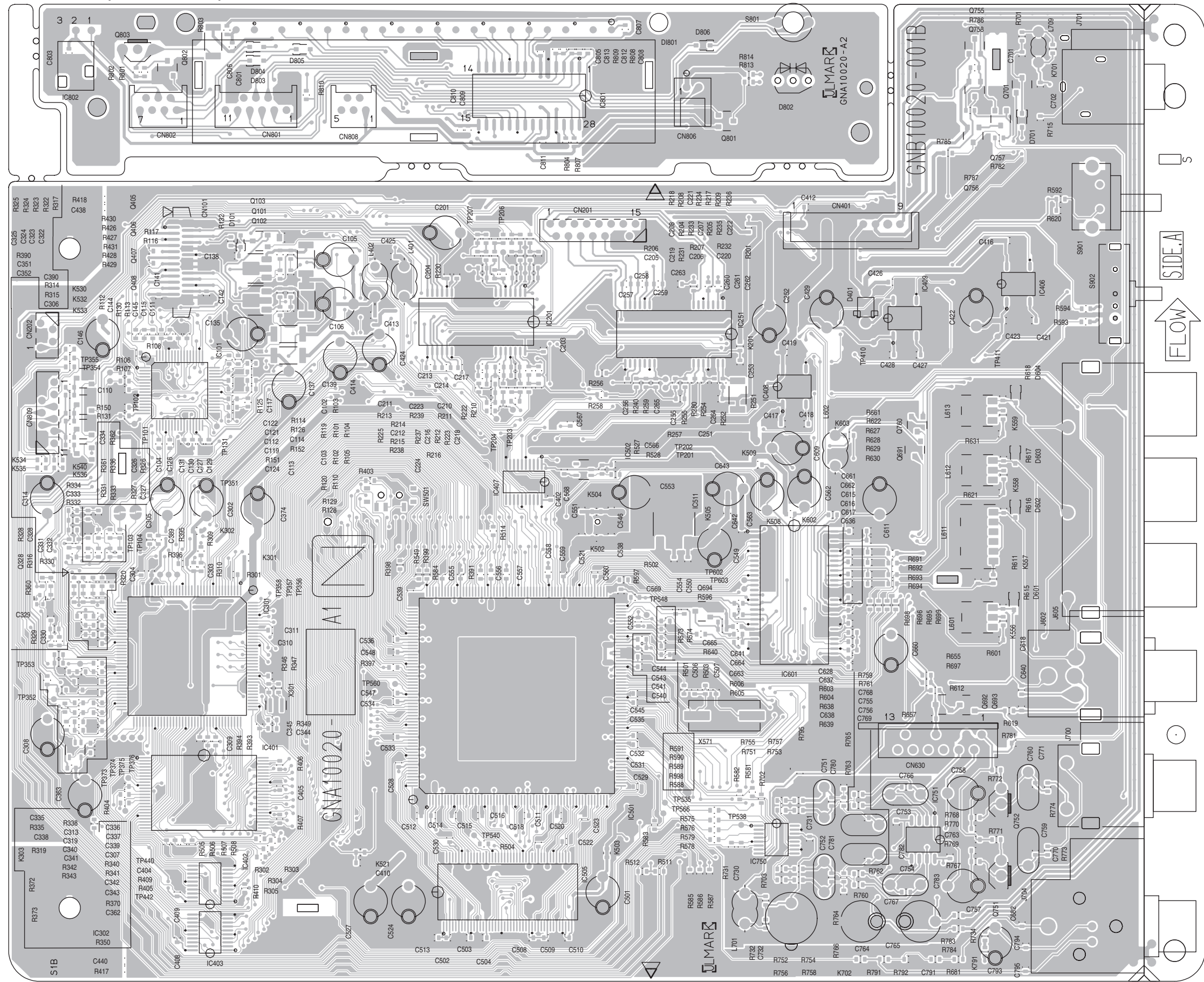


DANGEROUS VOLTAGE

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

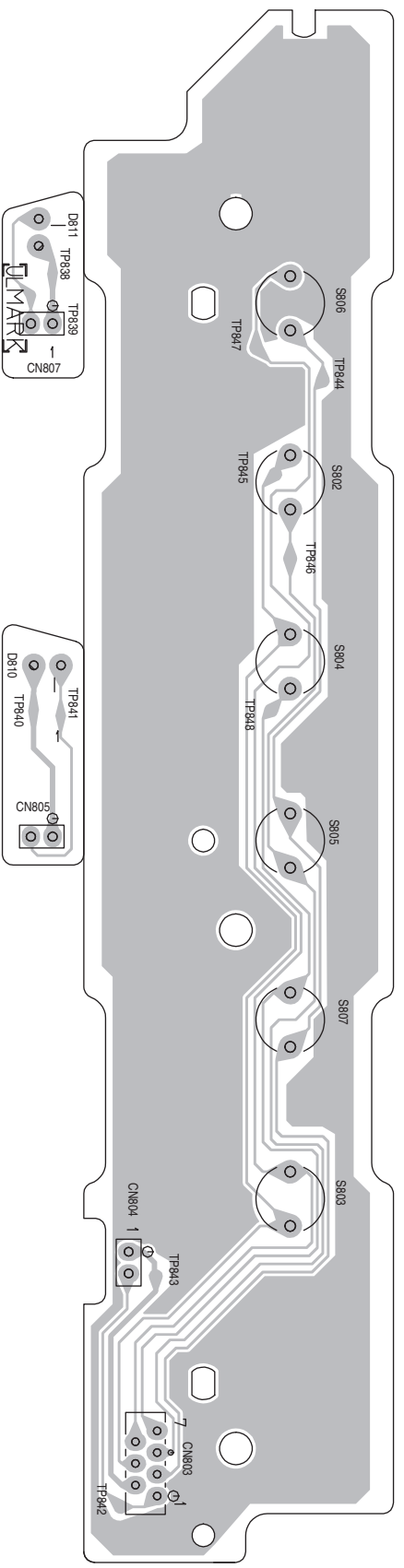
Printed circuit boards

■ Main board (Forward side) <01> GNB10020-001B



■ Operation switch board

<02> GNB10021-001A



5



A

B

C

D

2-21

2-22

E

F

G



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