11 Schematic Diagrams

11.1. Schematic Diagram Notice

Important Safety Notice

Components identified by ⚠ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

Notes:

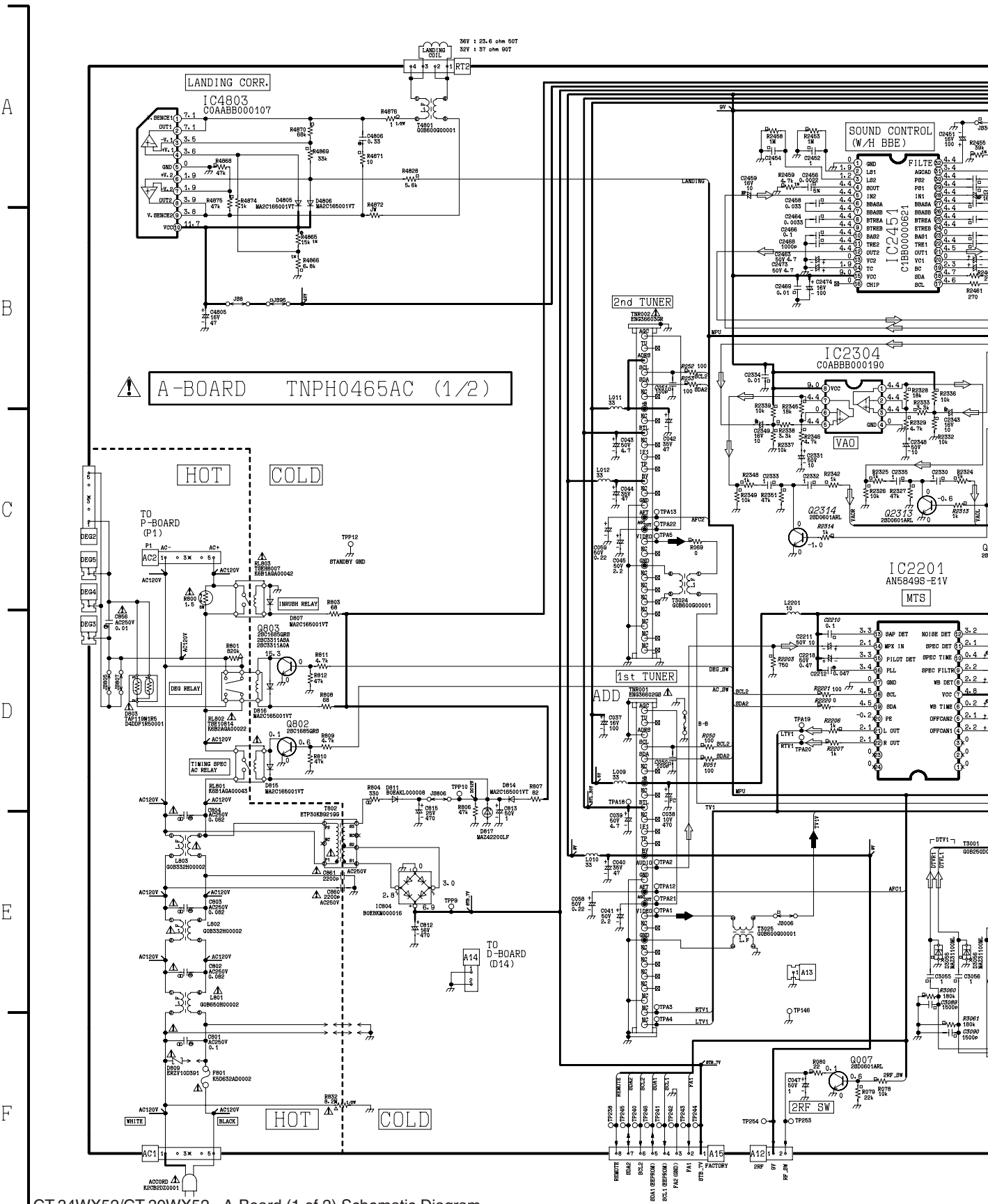
1. **Resistor**
   All resistors are cabon 1/4W resistor, unless marked as follows:
   Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
   - ◯ : Nonflammable
   - △ : Solid
   - ▨ : Wire Wound
   - ⊠ : Metal Oxide
   - ◎ : Metal Film
   - ⊗ : Fuse:
2. **Capacitor**
   All capacitors are ceramic 50V capacitor, unless marked as follows:
   Unit of capacitance is μF, unless otherwise noted.
   - ⊗ : Temperature Compensation
   - Ⓜ : Polyester
   - ⓜ : Metalized Polyester
   - ⊠ : Polypropylene
   -  : Electrolytic
   -  : Bipolar
   - Ⓣ : Dipped Tantalum
   - Ⓩ : Z-Type
3. Coil
   Unit of inductance is μF, unless otherwise noted.
4. Test Point
   - ⚲ : Test Point position
5. Earth Symbol
   - ⏚ : Chassis Earth (Cold)
   - ⏚ : Line Earth (Hot)
6. Voltage Measurement
   Voltage is measured by a DC voltmeter.
   Conditions of the measurement are the following:
   - Power Source ..... AC 120V, 60Hz
   - Receiving Signal ..... Colour Bar signal (RF)
   - All customer's controls ..... Maximum positions
7. Number in red circle indicates waveform nember.
   (See waveform pattern table.)
8. When arrow mark (↗) is found, connection is easily found from the direction of arrow
9. Indicates the major signal flow. : Video ➡ Audio ⇨
10. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remote Control Transmitter

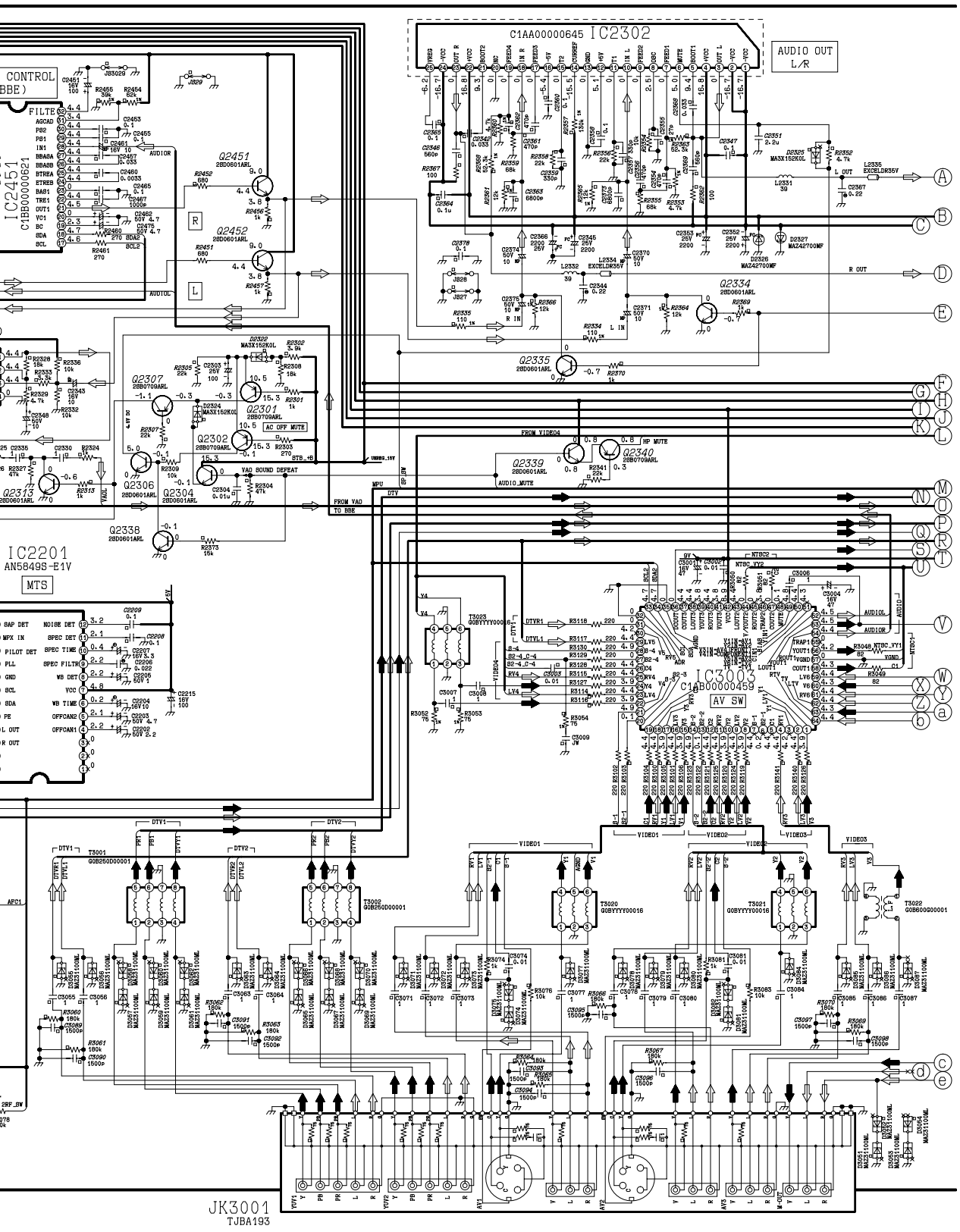
Remarks:

1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the follwing precautions.
   All circuits, except the Power Circuit, are cold.
   Precautions
   a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
   b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
   c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
   Connect the earth of instruments to the earth connection of the circuit being measured.
   d. Make sure to disconnect the power plug before removing the chassis.
2. Following diodes are interchangeable.
   MA150- MA162 (Replacement part)

11.2. A-Board (1 of 2) Schematic Diagram



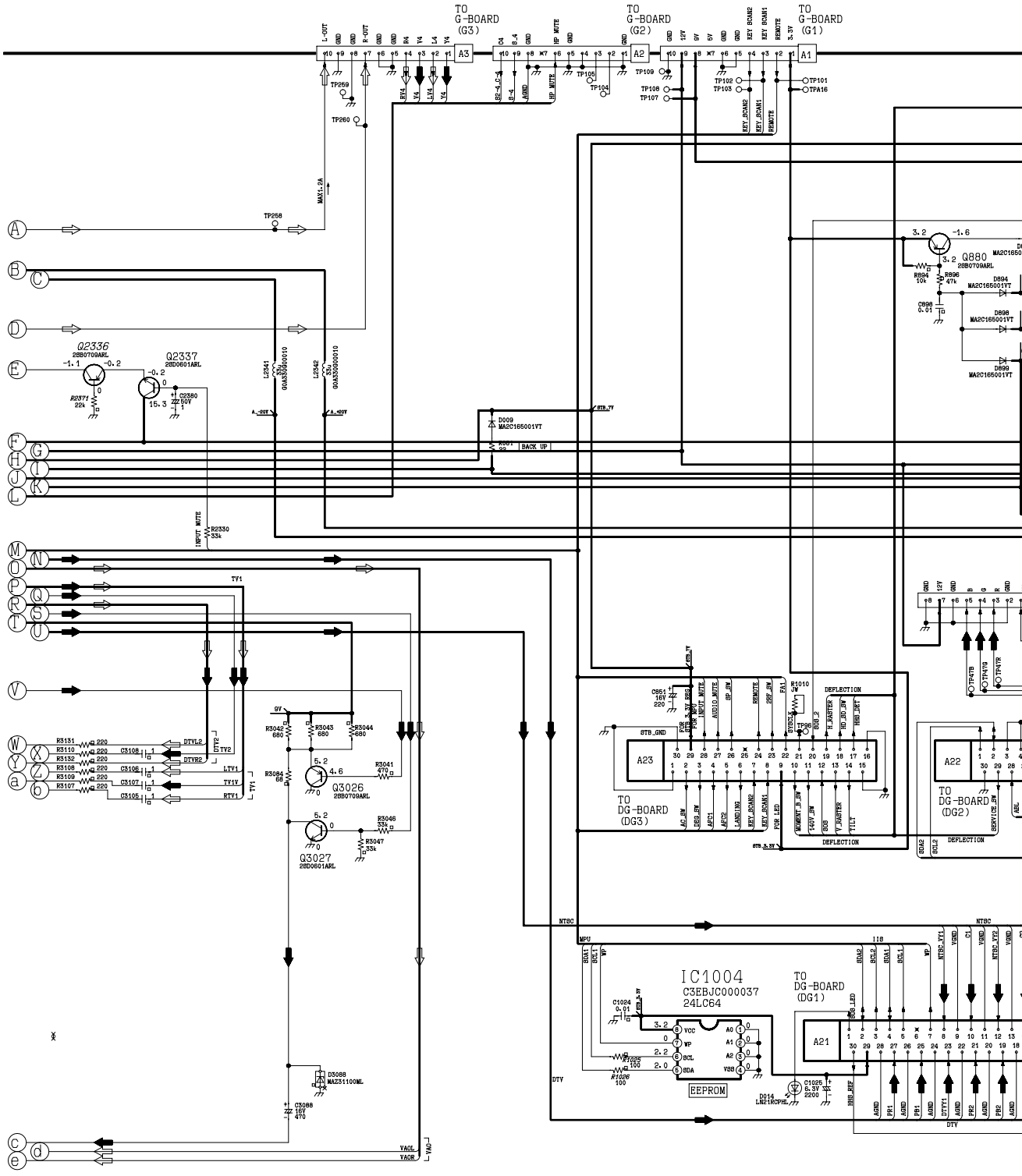
CT-34WX52/CT-30WX52 A-Board (1 of 2) Schematic Diagram

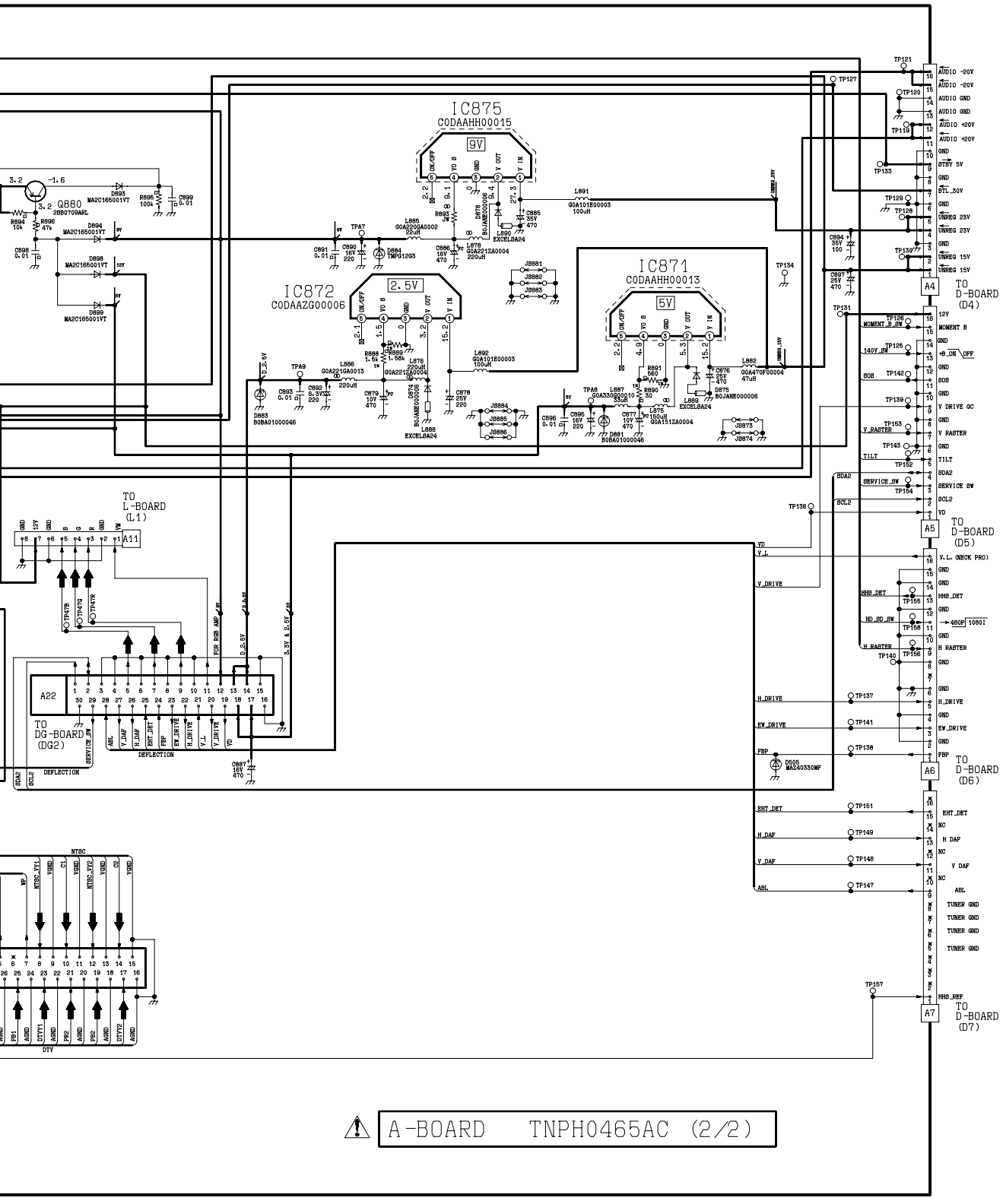


CT-34WX52/CT-30WX52 A-Board (1 of 2) Schematic Diagram

5 6 7 8 9

11.3. A-Board (2 of 2) Schematic Diagram



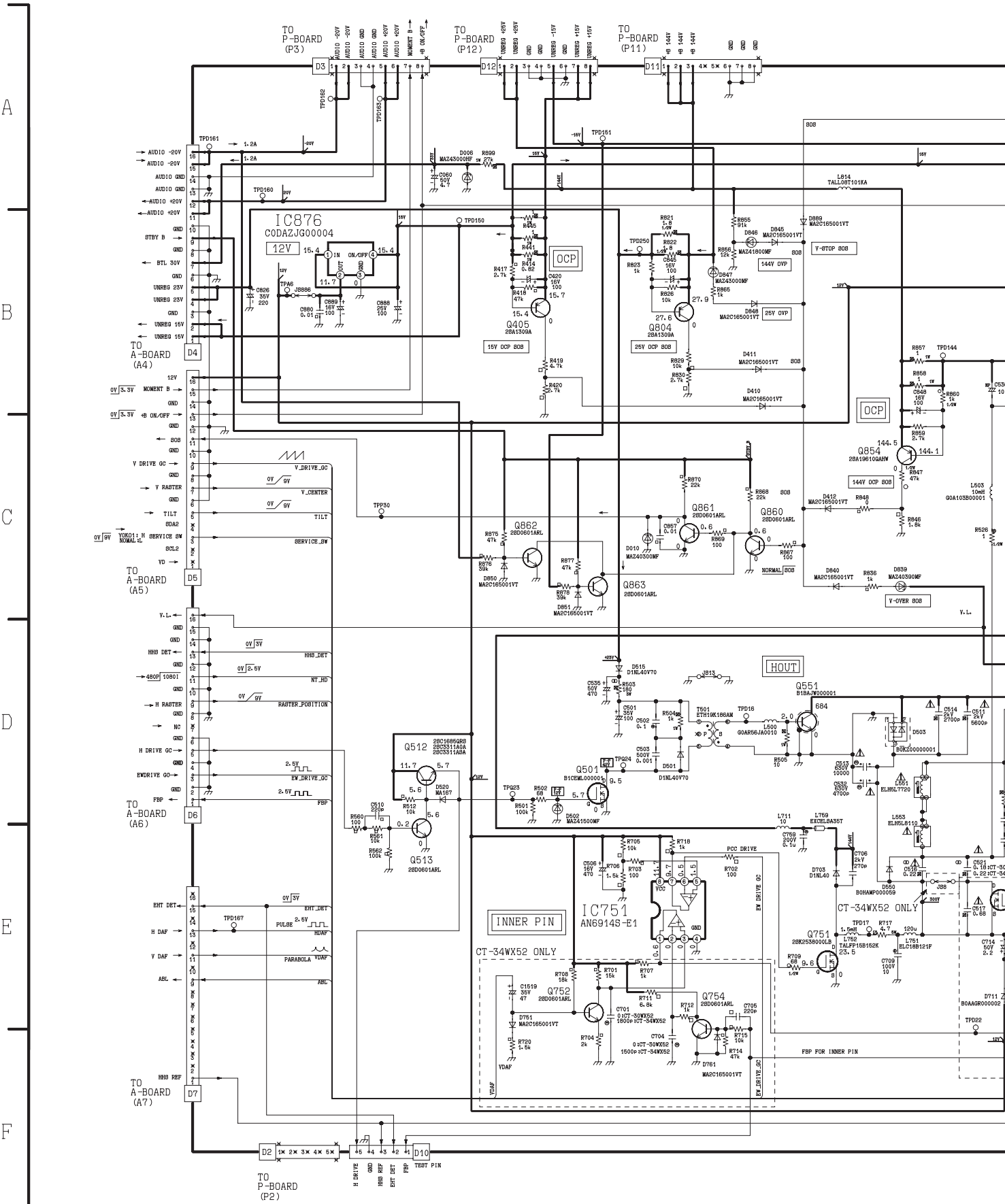


⚠ A-BOARD TNPH0465AC (2/2)

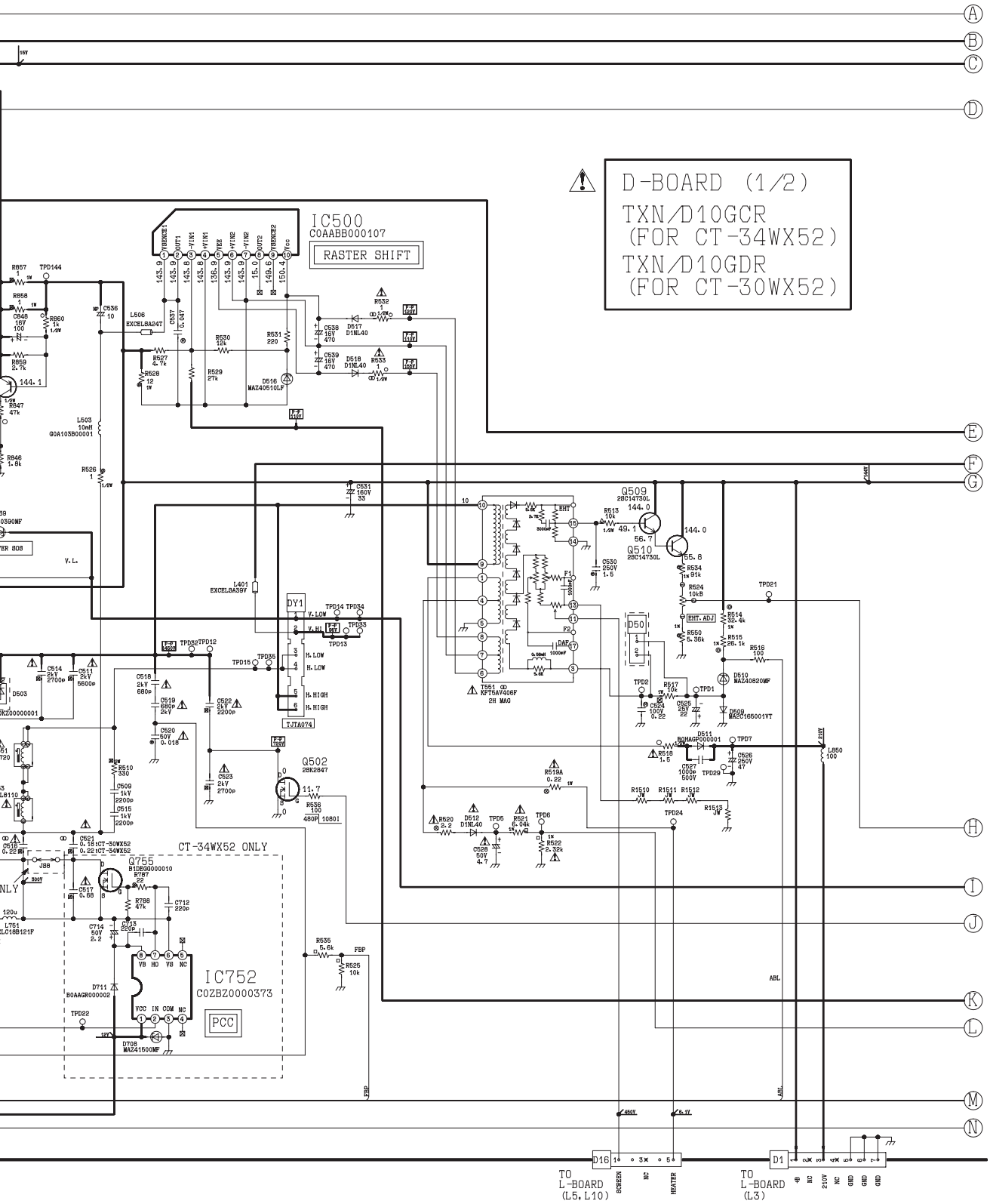
CT-34WX52/CT-30WX52
A-Board (2 of 2) Schematic Diagram

13 14 15 16 17

11.4. D-Board (1 of 2)Schematic Diagram

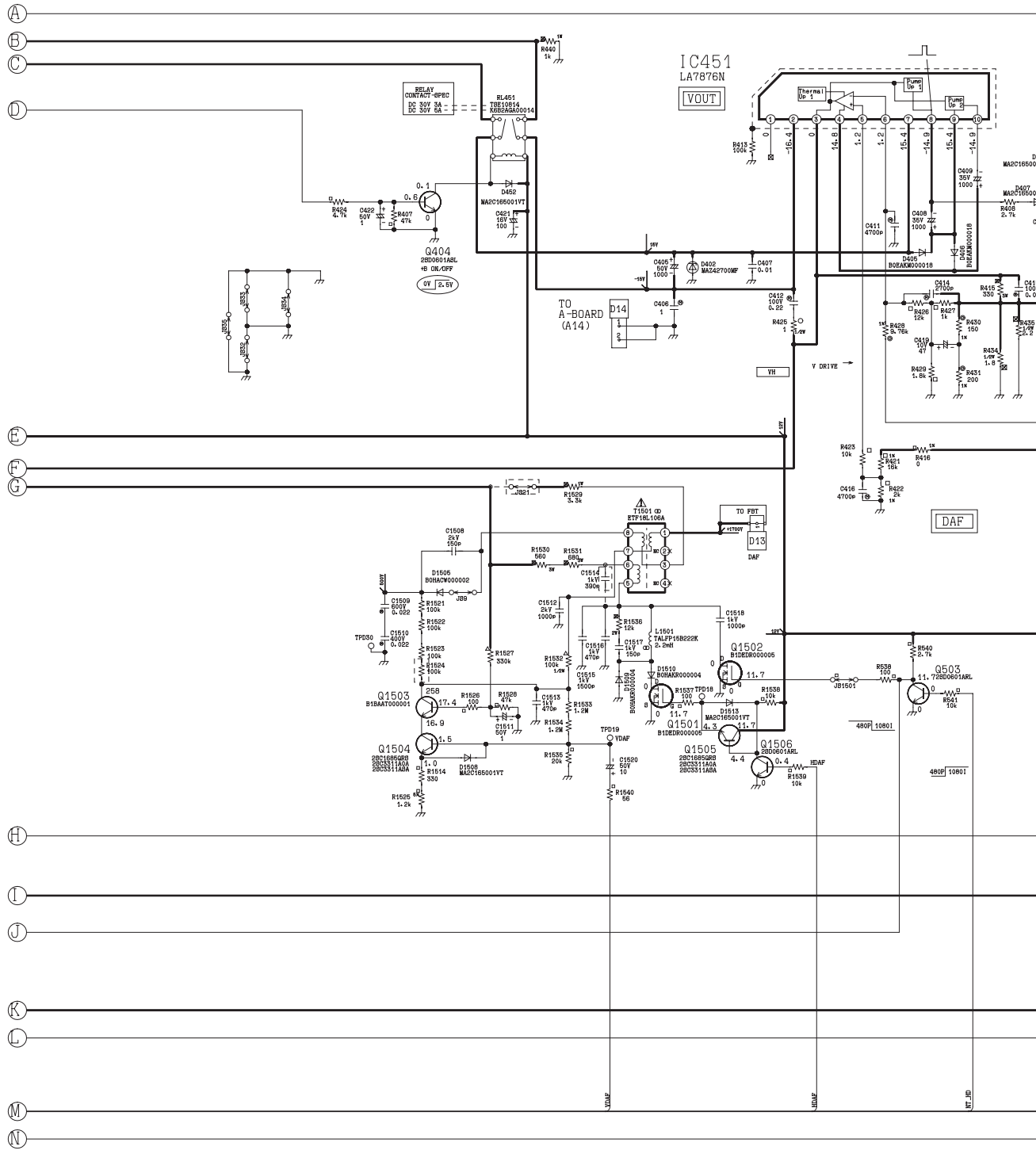


CT-34WX52/CT-30WX52 D-Board (1 of 2) Schematic Diagram



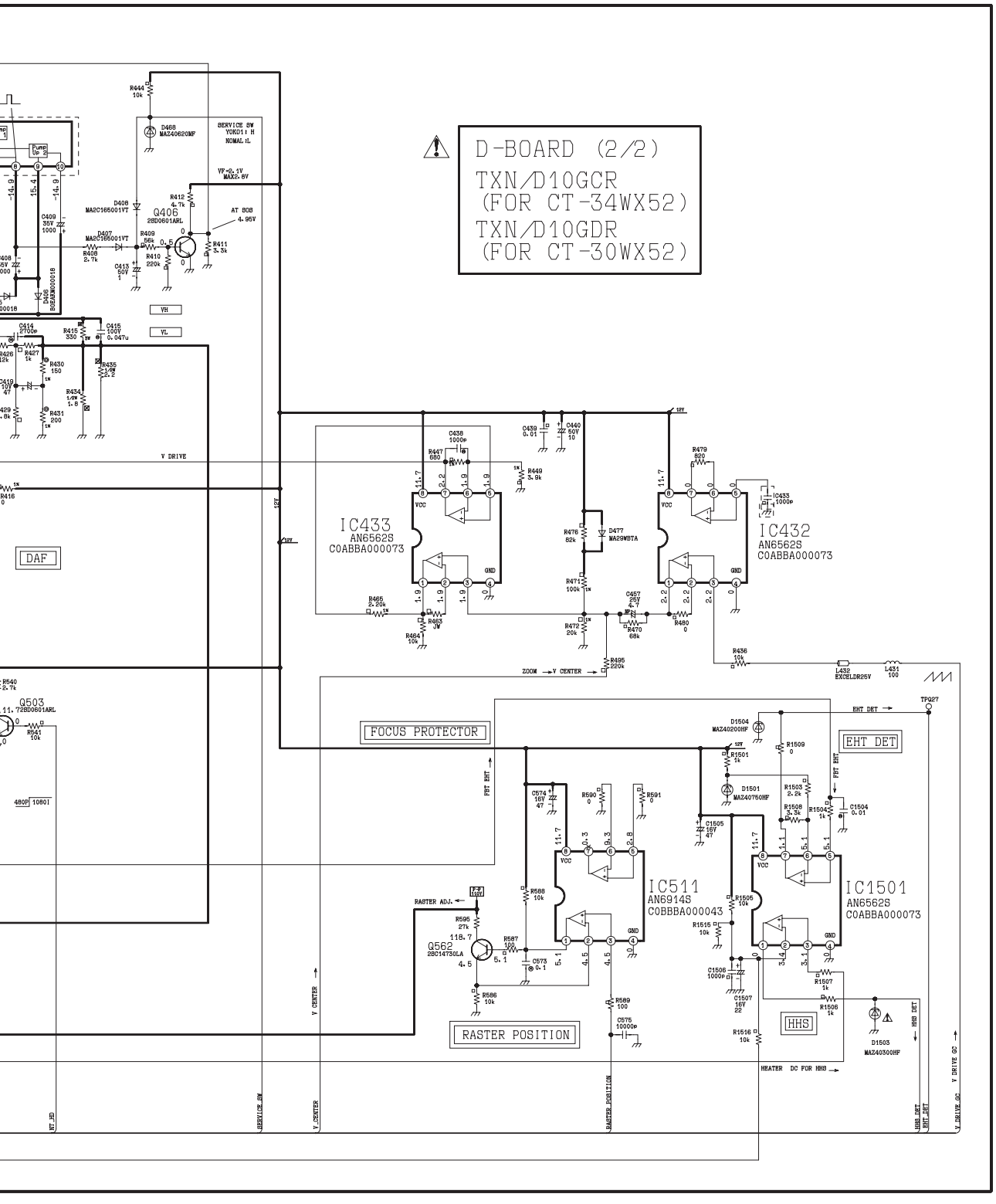
CT-34WX52/CT-30WX52 D-Board (1 of 2) Schematic Diagram

11.5. D-Board (2 of 2)Schematic Diagram



CT-34WX52/CT-30WX52
D-Board (2 of 2) Schematic Diagram

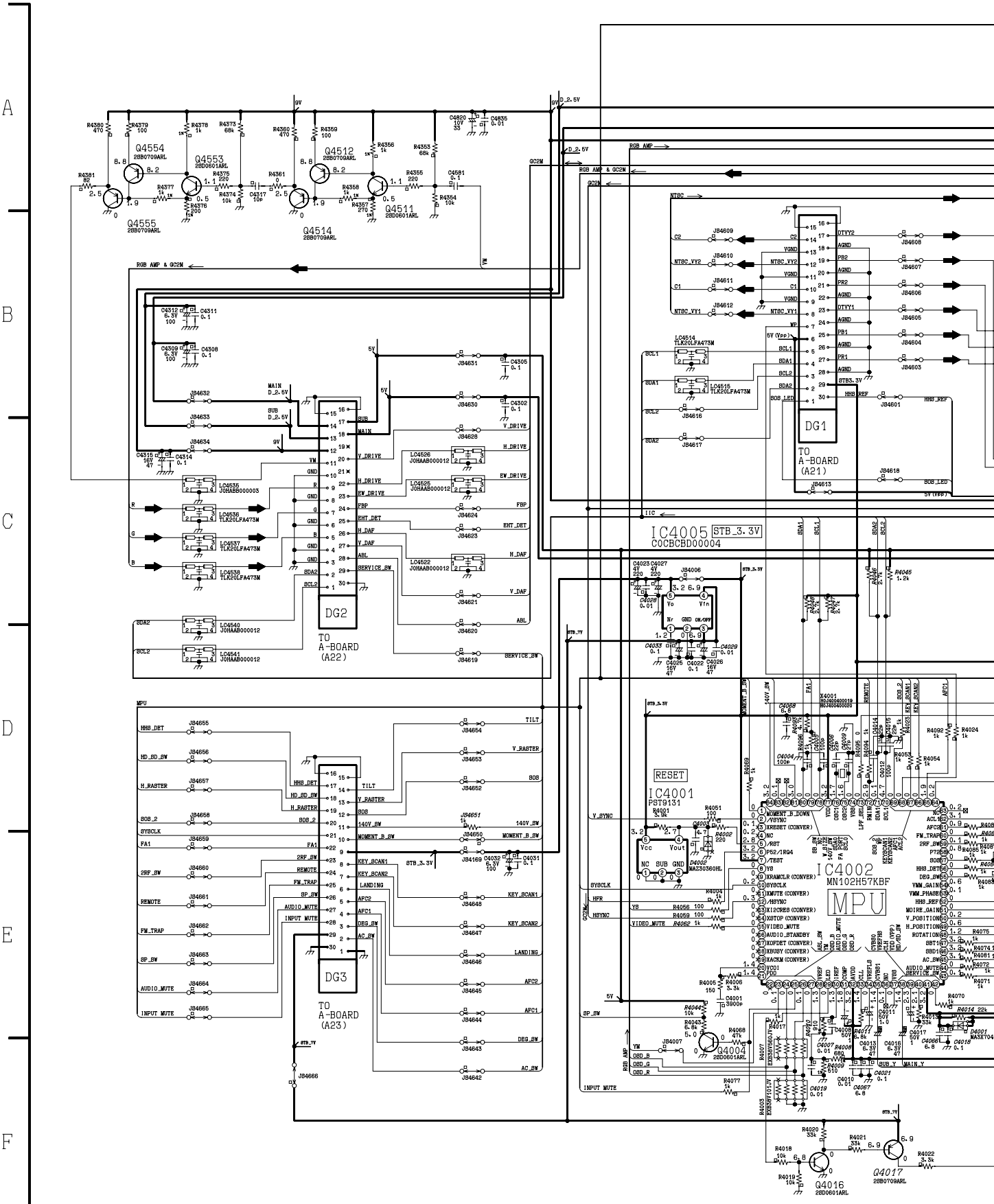
9 | 10 | 11 | 12 | 13



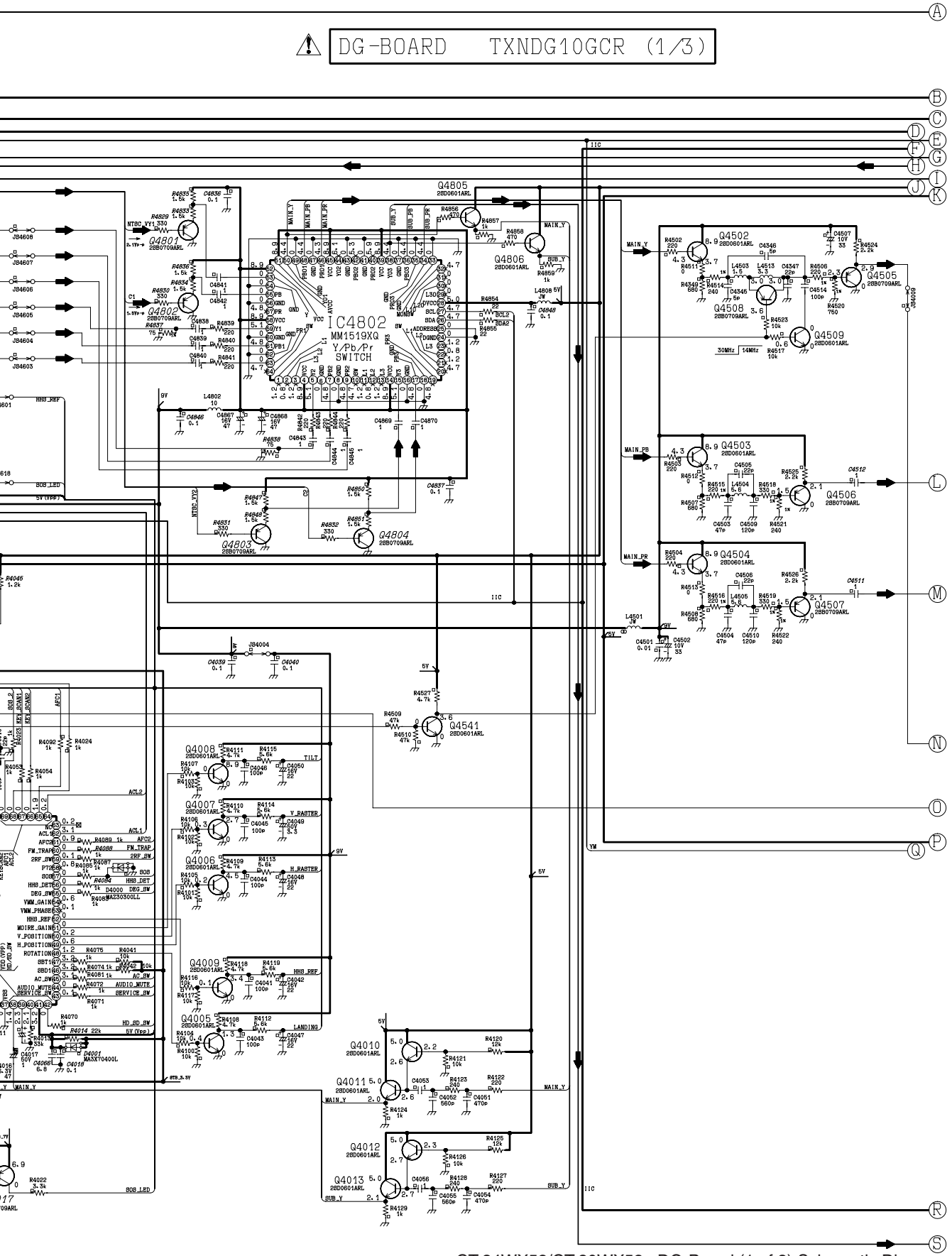
CT-34WX52/CT-30WX52
D-Board (2 of 2) Schematic Diagram

13 14 15 16 17

11.6. DG-Board (1 of 3) Schematic Diagram

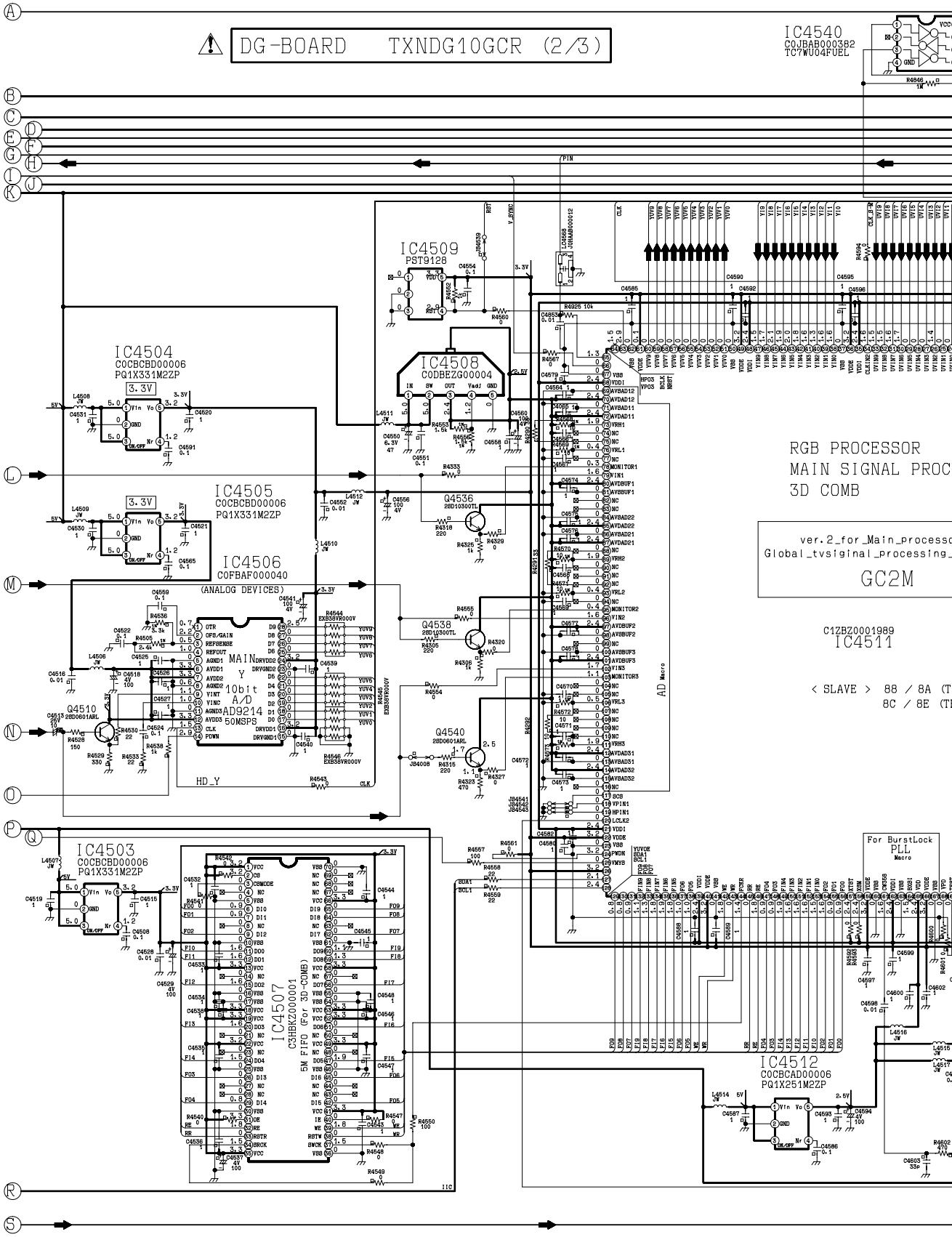


CT-34WX52/CT-30WX52
DG-Board (1 of 3) Schematic Diagram



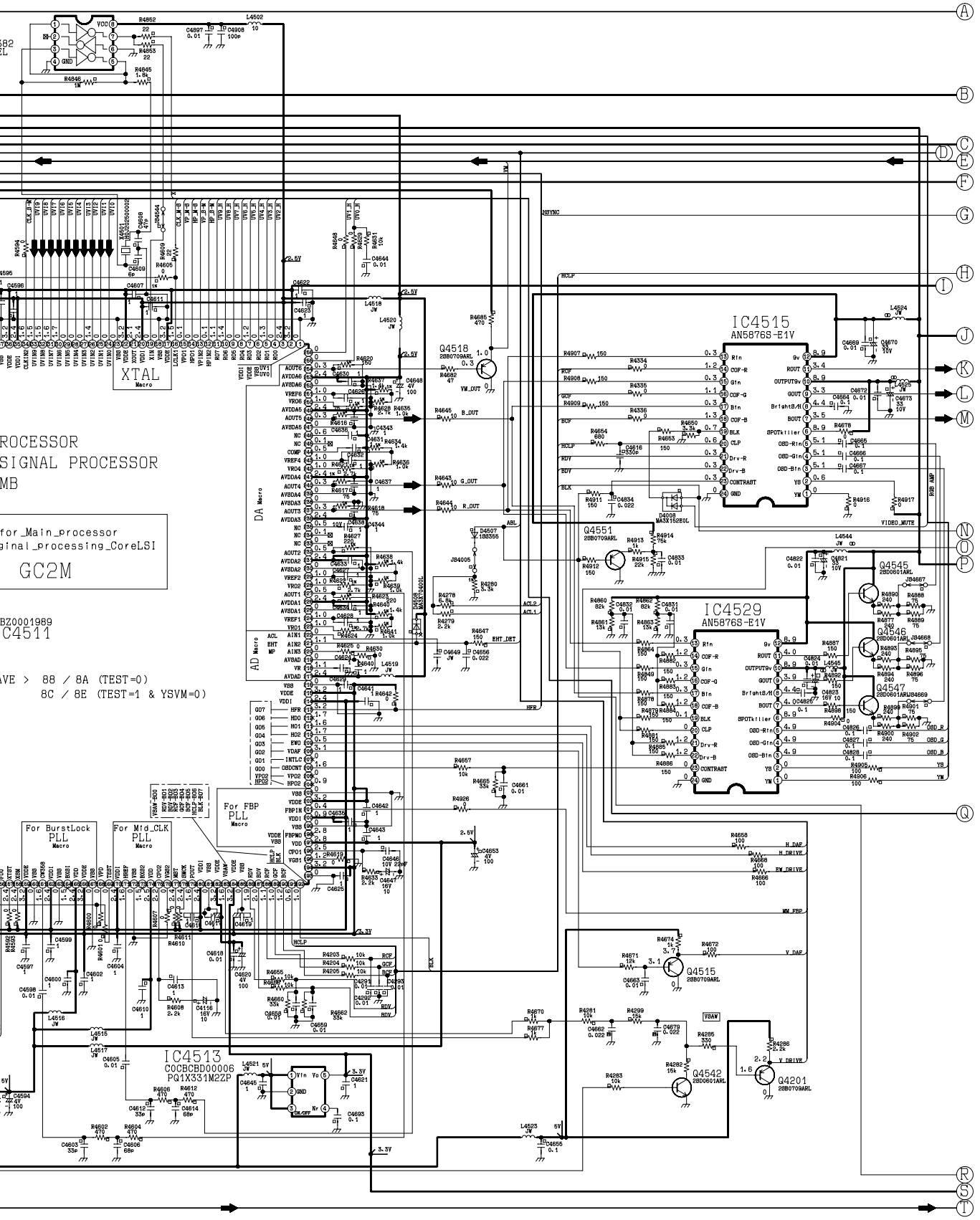
CT-34WX52/CT-30WX52 DG-Board (1 of 3) Schematic Diagram

11.7. DG-Board (2 of 3) Schematic Diagram



CT-34WX52/CT-30WX52 DG-Board (2 of 3) Schematic Diagram

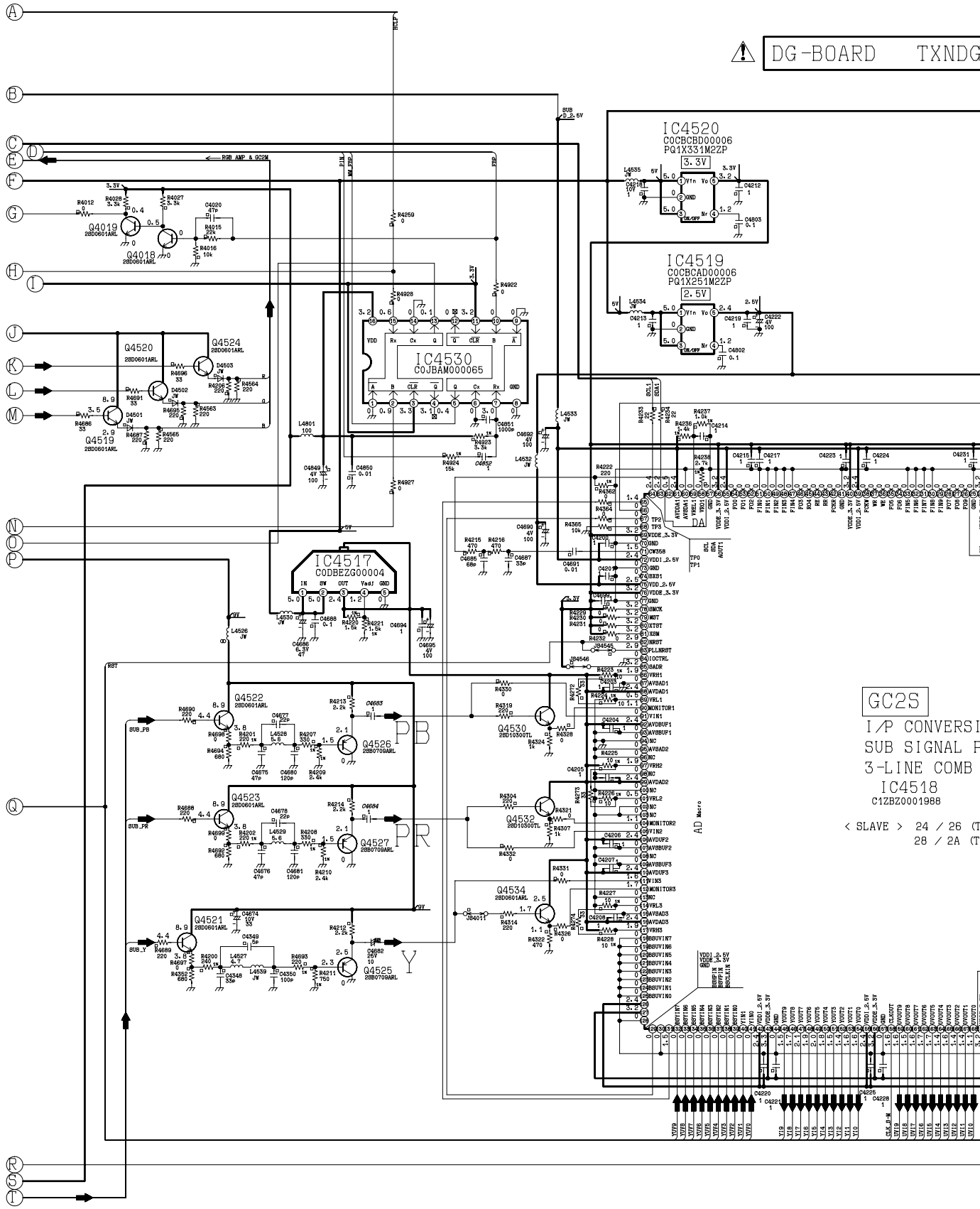
9 10 11 12 13



CT-34WX52/CT-30WX52 DG-Board (2 of 3) Schematic Diagram

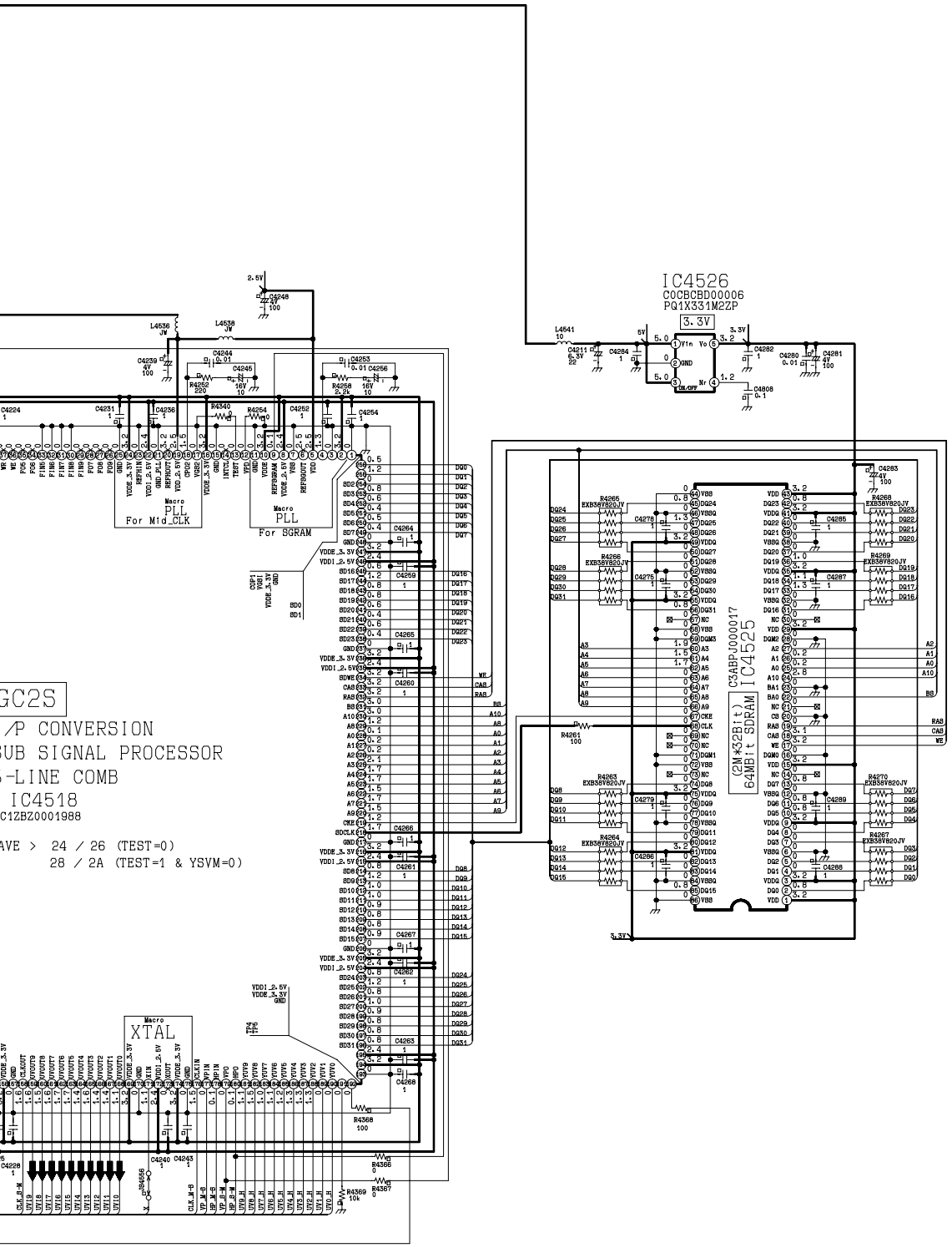
13 14 15 16 17

11.8. DG-Board (3 of 3) Schematic Diagram

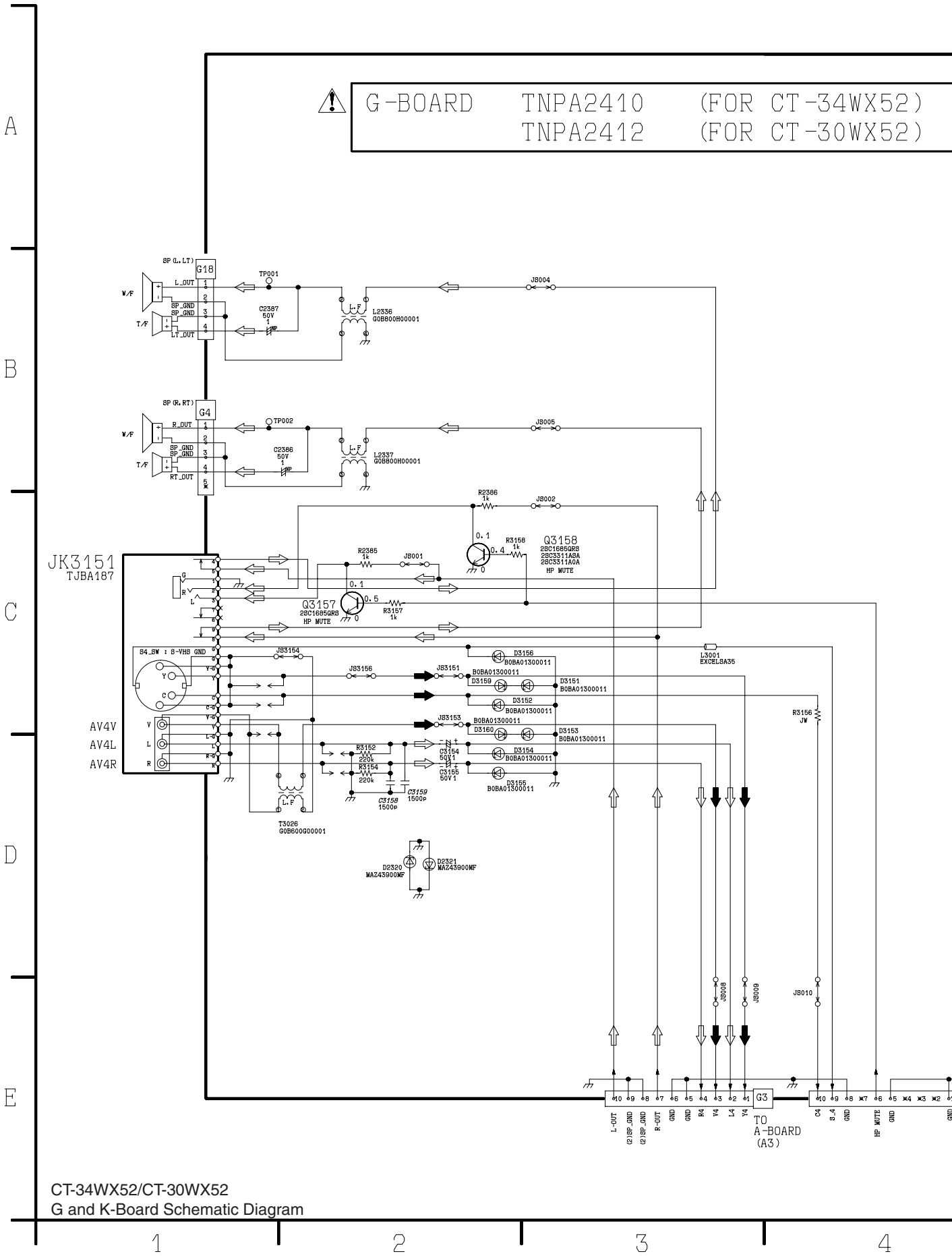


CT-34WX52/CT-30WX52 DG-Board (3 of 3) Schematic Diagram

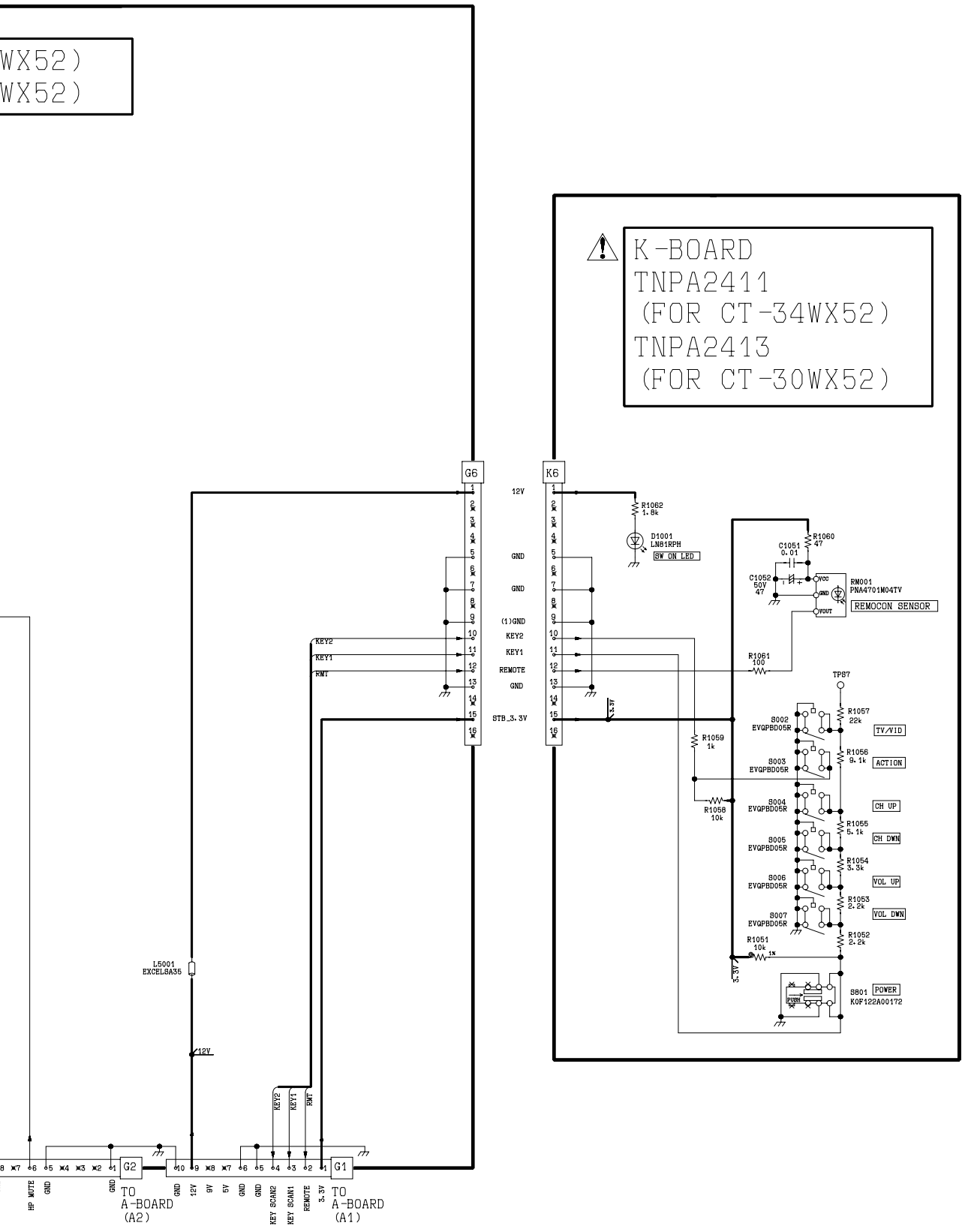
TXNDG10GCR (3/3)



11.9. G and K-Board Schematic Diagram



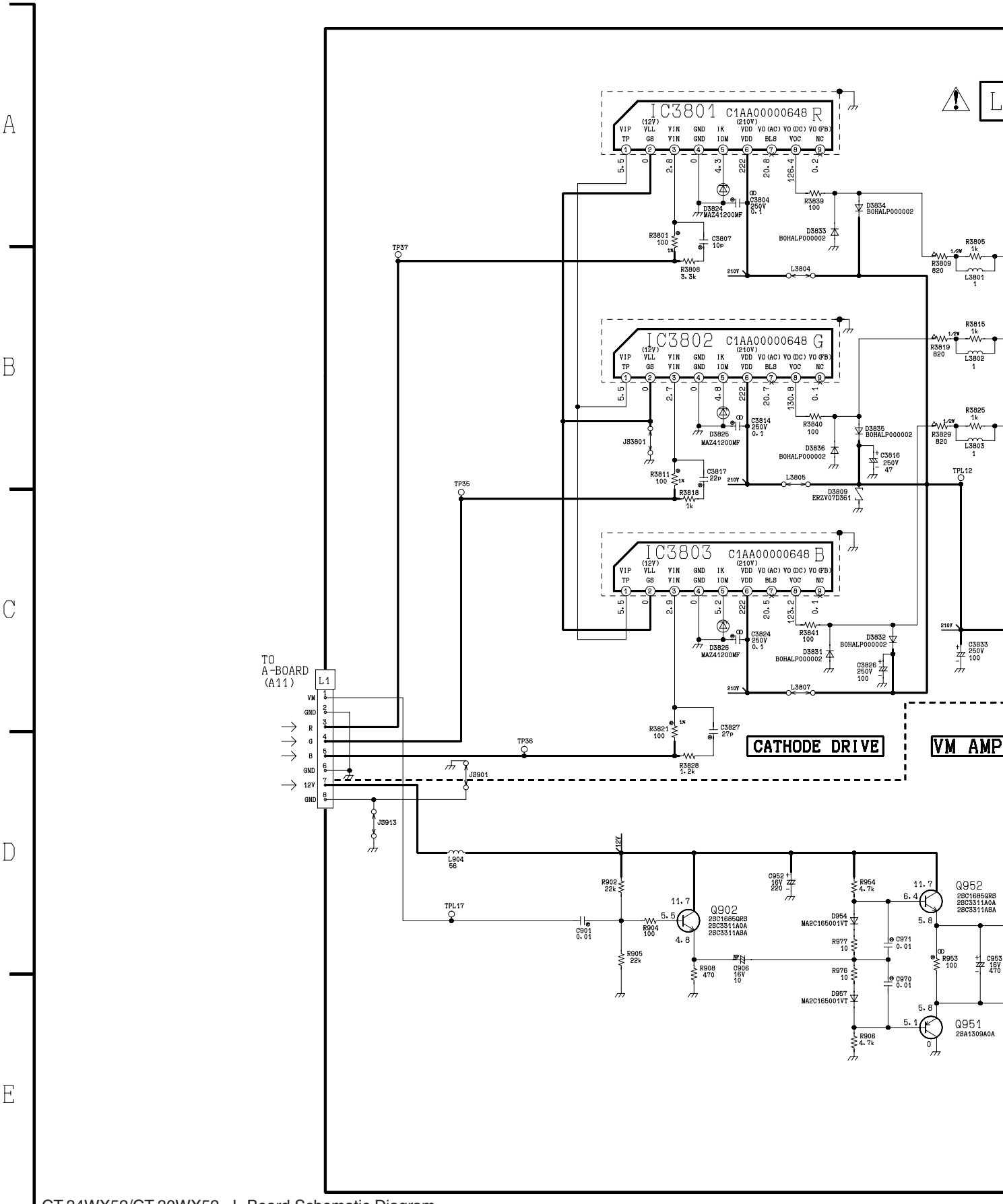
CT-34WX52/CT-30WX52
G and K-Board Schematic Diagram



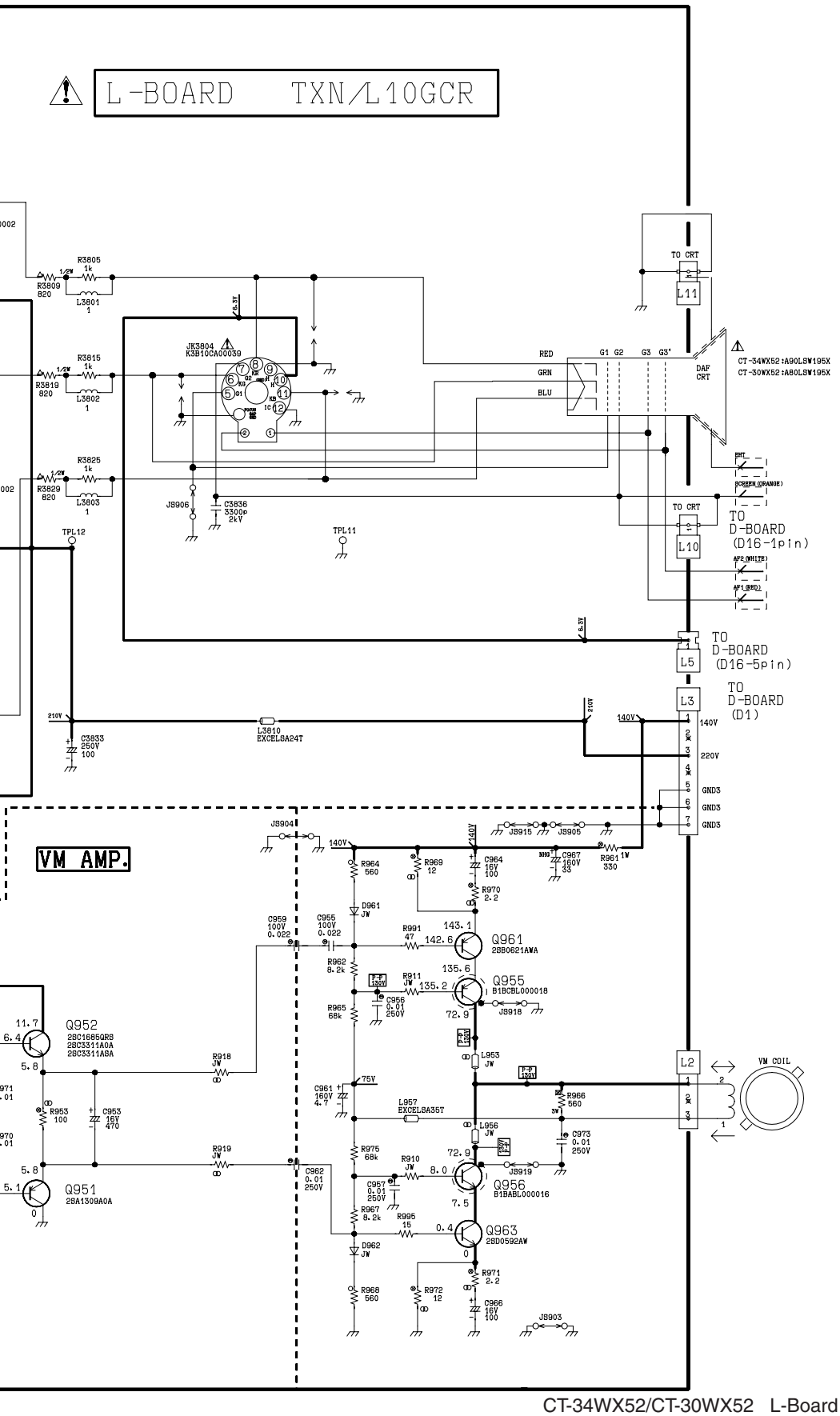
CT-34WX52/CT-30WX52
G and K-Board Schematic Diagram

4 5 6 7

11.10. L-Board Schematic Diagram



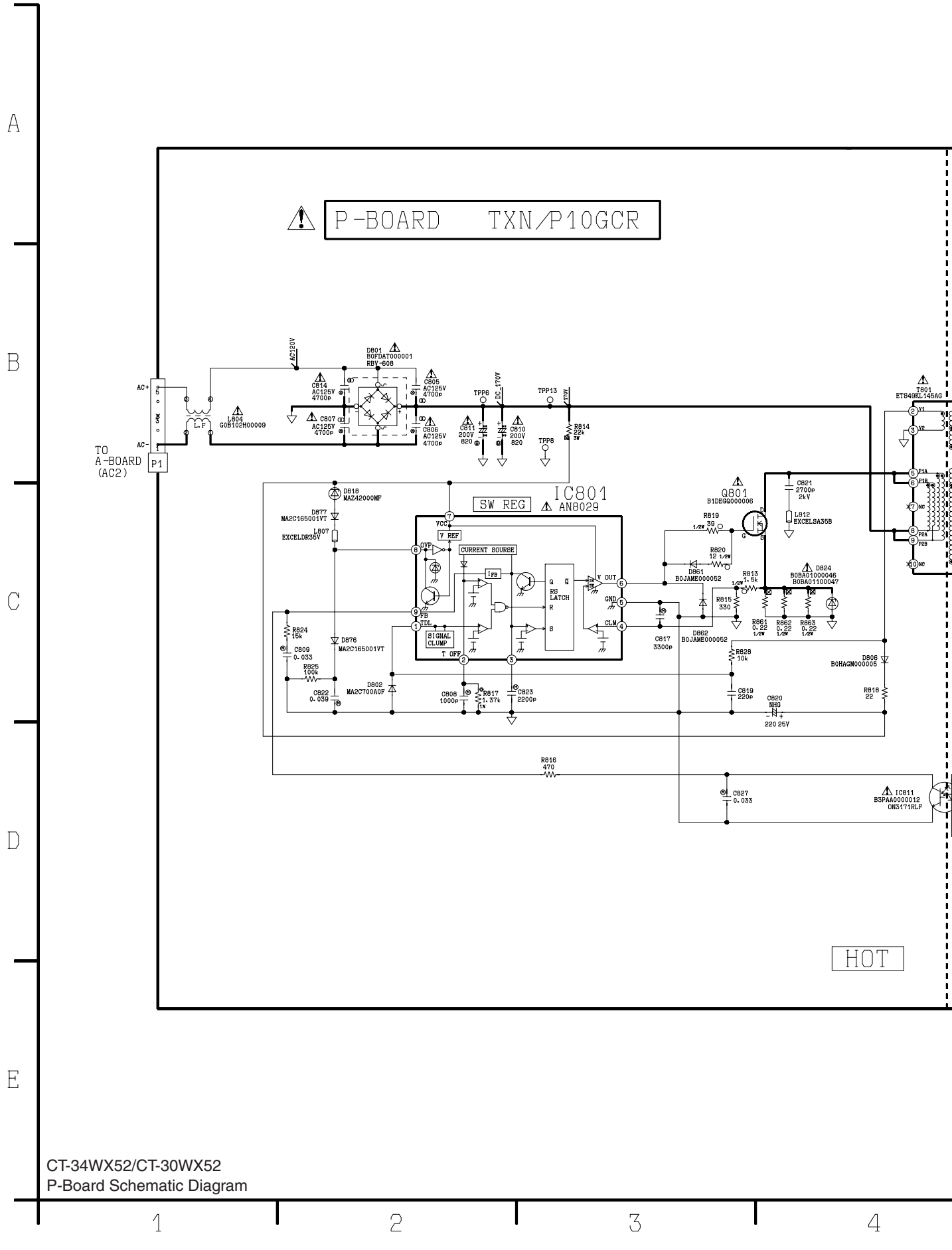
CT-34WX52/CT-30WX52 L-Board Schematic Diagram



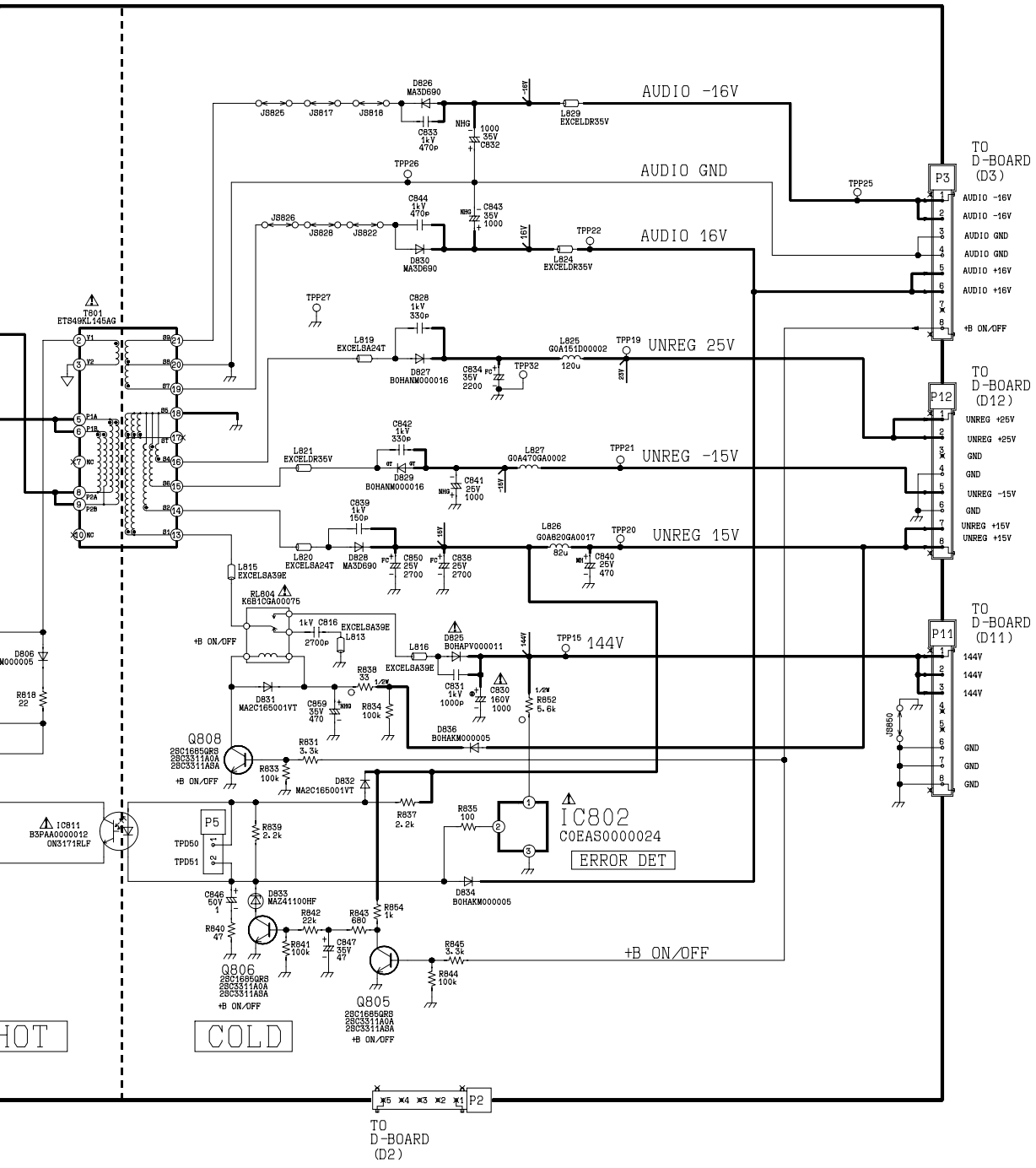
CT-34WX52/CT-30WX52 L-Board Schematic Diagram

5 6 7

11.11. P-Board Schematic Diagram



CT-34WX52/CT-30WX52
P-Board Schematic Diagram



CT-34WX52/CT-30WX52
P-Board Schematic Diagram

4 5 6 7