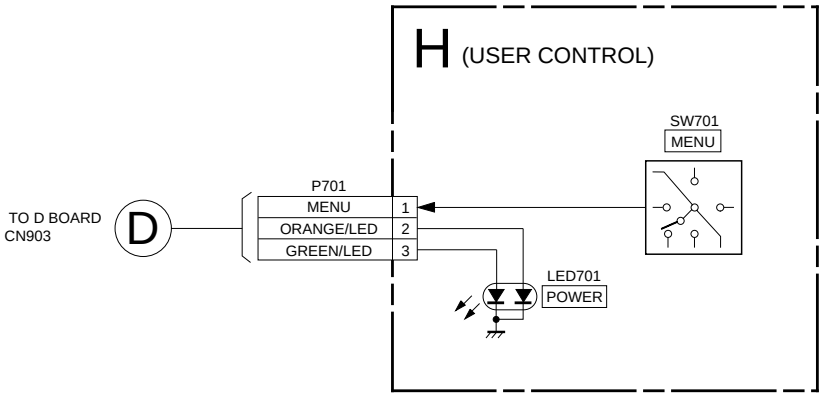
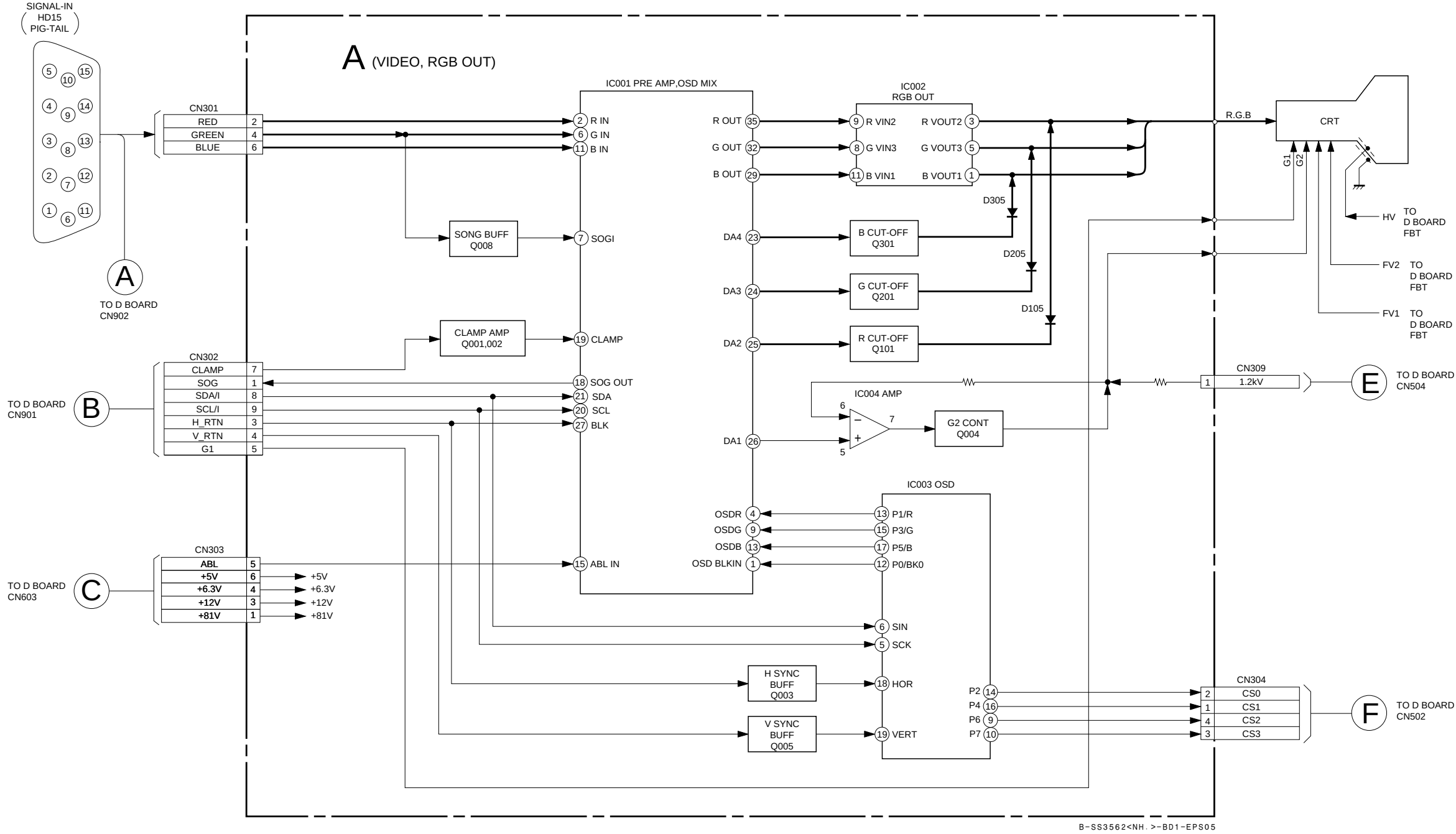
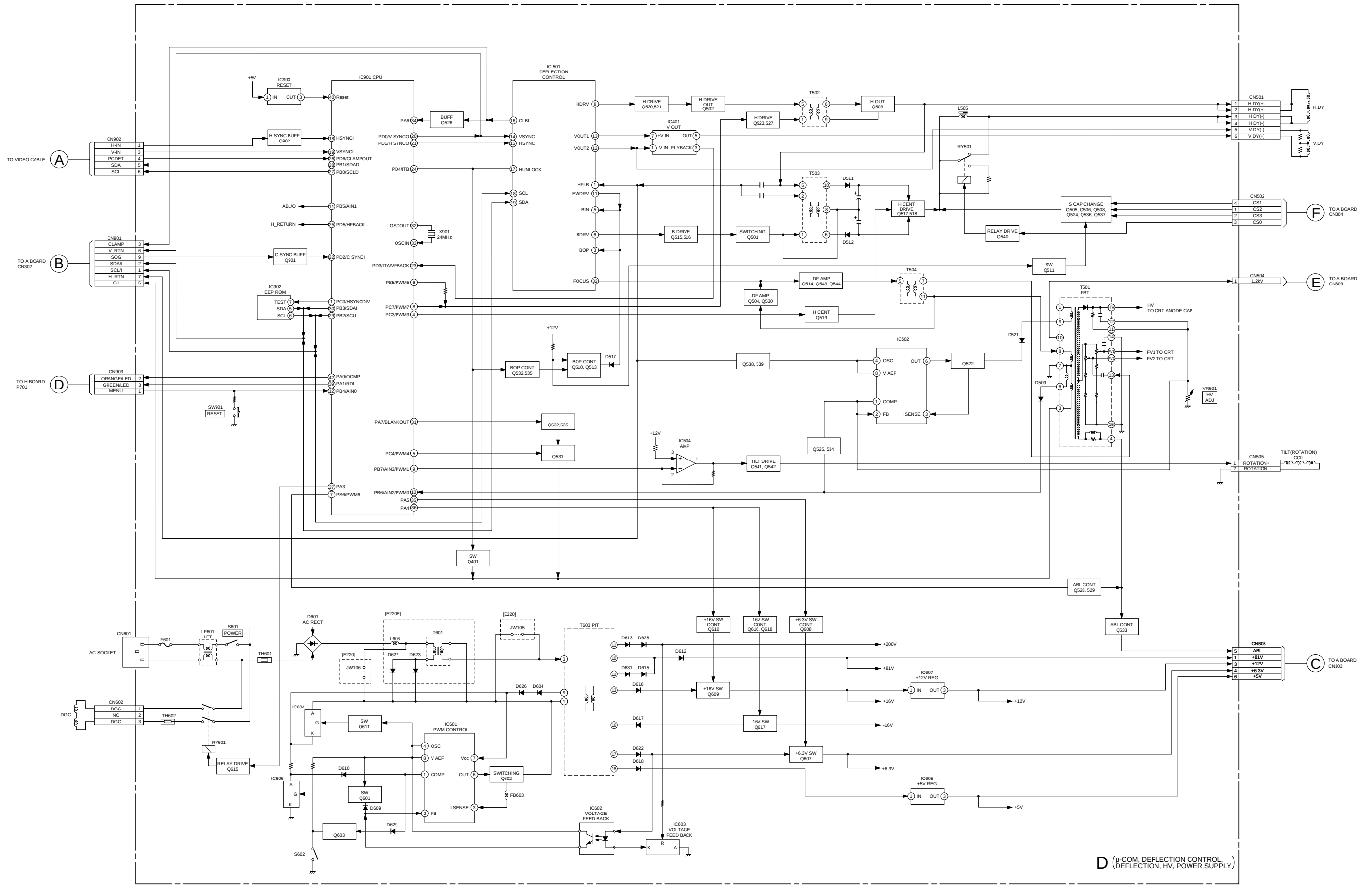


SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAMS

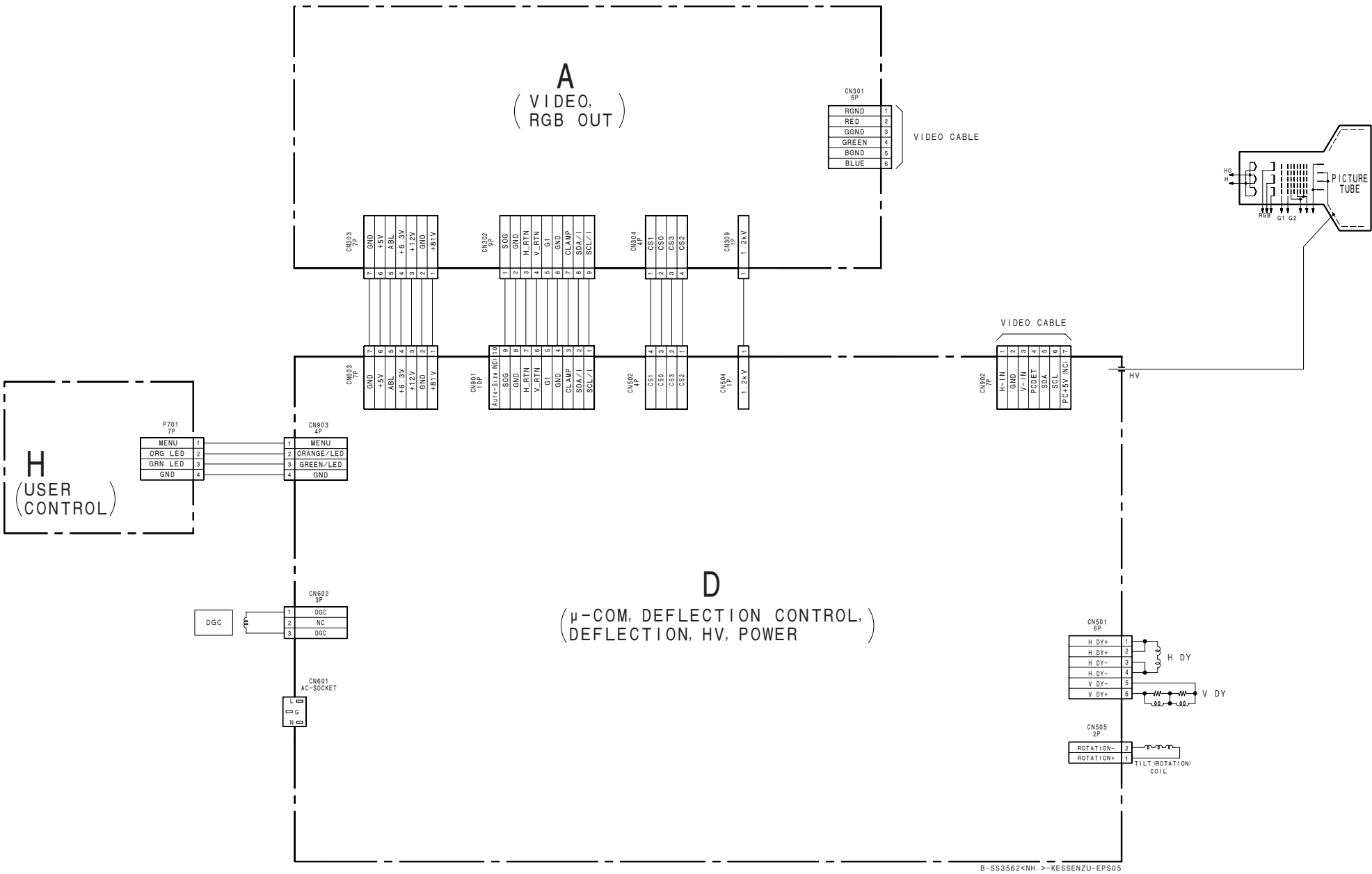




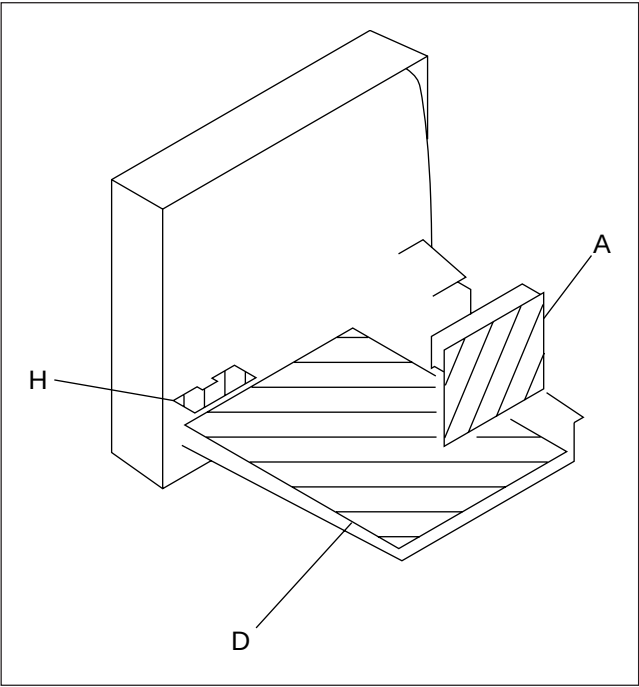
D (u.COM, DEFLECTION CONTROL, DEFLECTION, HV, POWER SUPPLY)

B-883562<NR. 5-952-EP505

5-2. FRAME SCHEMATIC DIAGRAM



5-3. CIRCUIT BOARDS LOCATION



5-4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- Note:**
- All capacitors are in μF unless otherwise noted. (pF: μF) Capacitors without voltage indication are all 50 V.
 - Indication of resistance, which does not have one for rating electrical power, is as follows.
- Pitch: 5 mm

Rating electrical power 1/4 W (CHIP : 1/10 W)
- All resistors are in ohms.
 -  : nonflammable resistor.
 -  : fusible resistor.
 - Δ : internal component.
 -  : panel designation, and adjustment for repair.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
 - $\perp$: earth-ground.
 -  : earth-chassis.
 - All voltages are in V.
 - Readings are taken with a 10 M digital multimeter.
 - Readings are taken with a color-bar signal input.
 - Voltage variations may be noted due to normal production tolerances.
 - * : Can not be measured.
 - Circled numbers are waveform references.
 -  : B + bus.
 -  : B – bus.
 - When replacing components identified by , make the necessary adjustments indicated. (See page 3-1)
 - When replacing the part in below table, be sure to perform the related adjustment.

	Part Replaced (■)
HV Regulator Circuit Check	D board IC502, T501 (FBT)
HV Hold-down Circuit Check	D board D538, R521, T501 (FBT)
Beam Current Protector Circuit Check	D board IC901, R949, T501 (FBT)

- Divided circuit diagram
One sheet of D board circuit diagram is divided into four sheets, each having the code D- to D- . For example, the destination  on the D- sheet is connected to  on the D- sheet.
- a

b

1

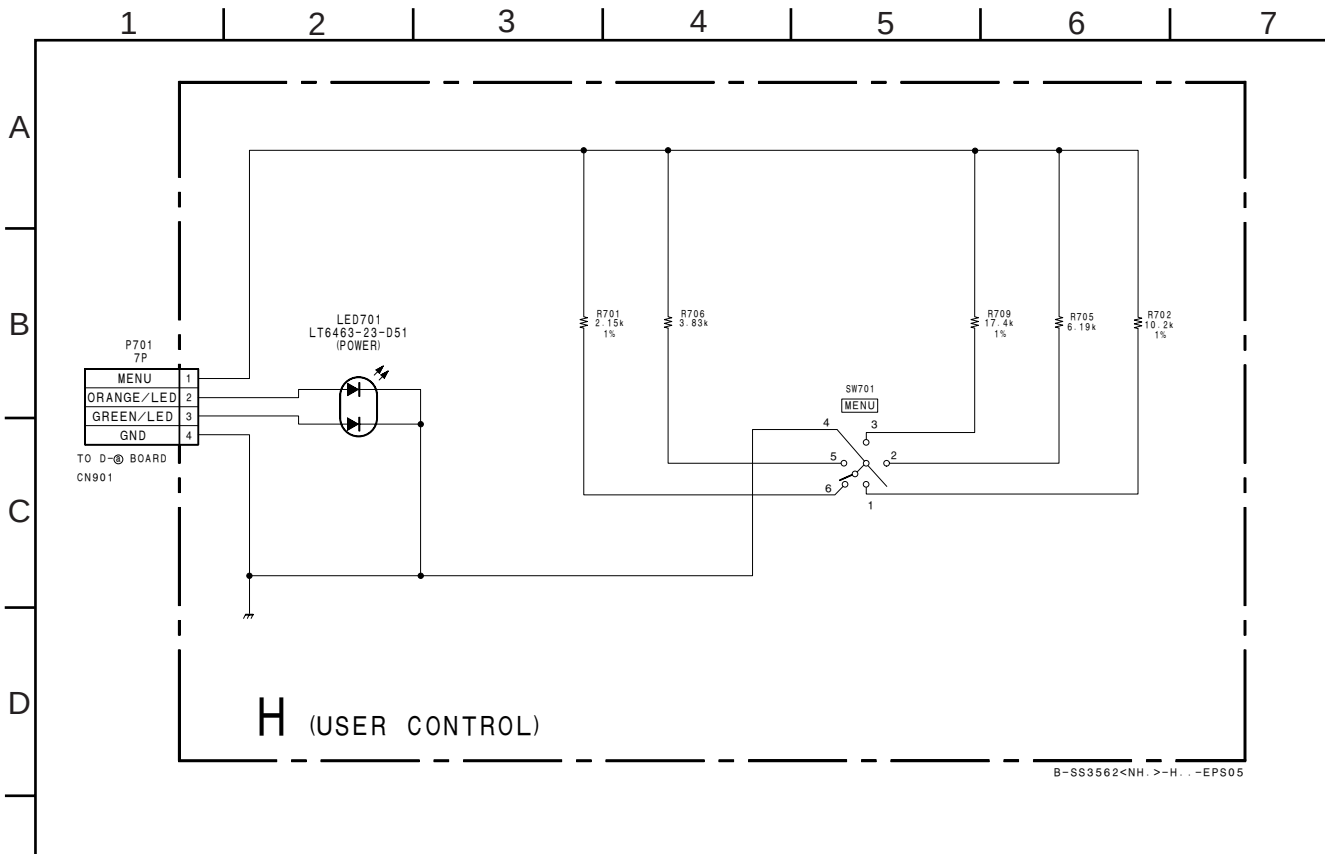
Ref. No.

Circuit diagram division code

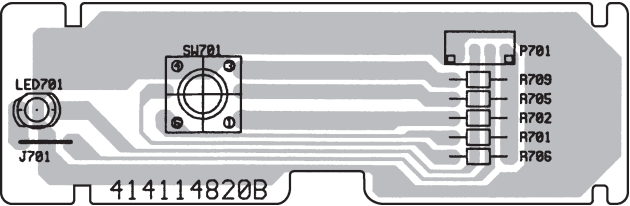
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

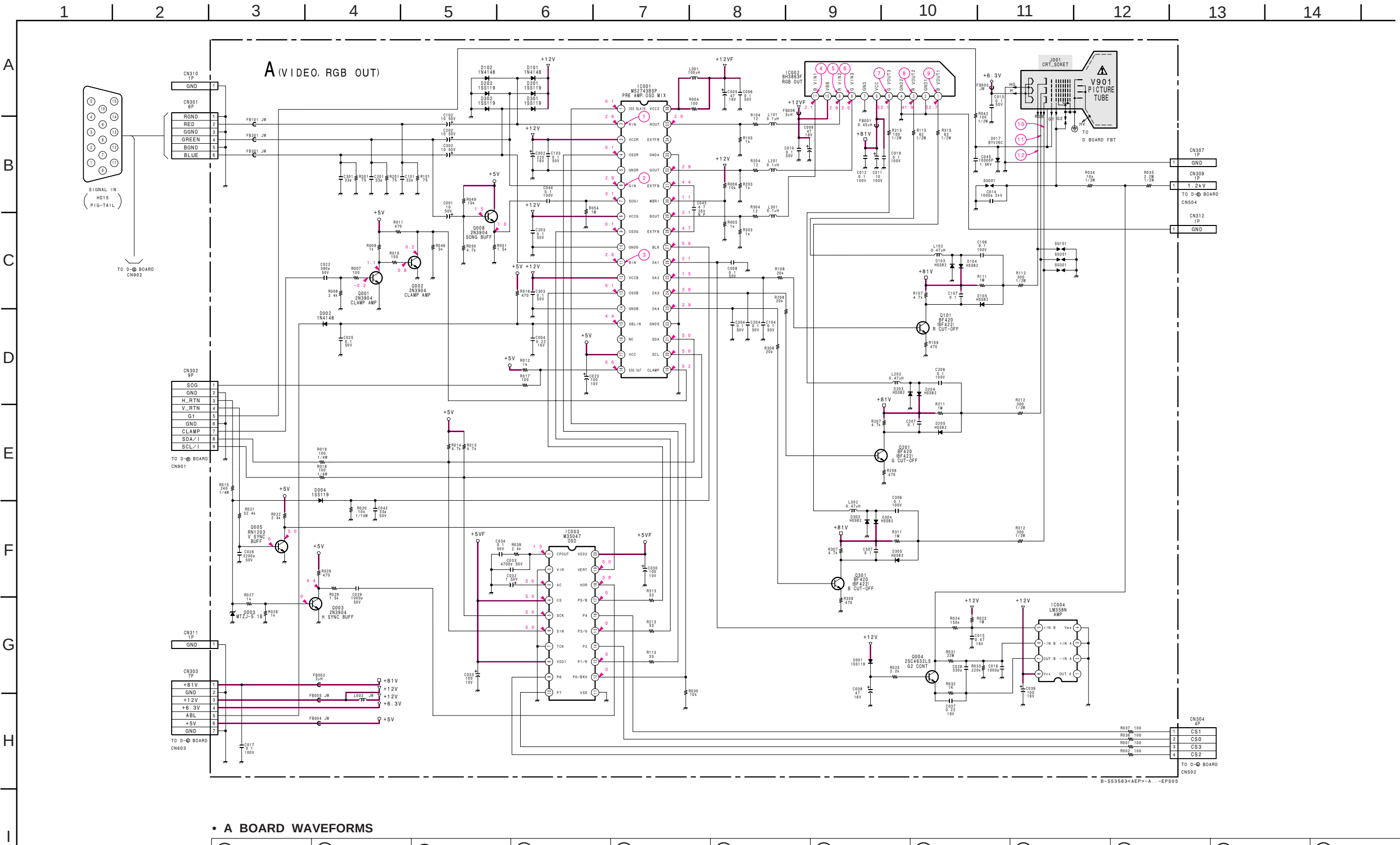
(1) Schematic Diagram of H Board



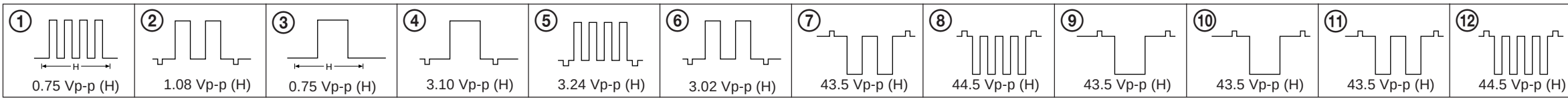
 [USER CONTROL]



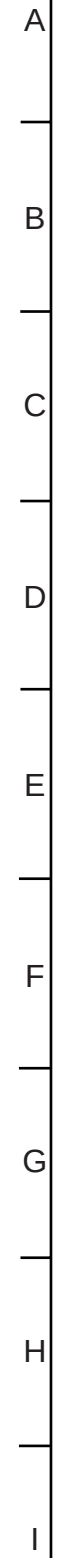
(2) Schematic Diagram of A Board



• A BOARD WAVEFORMS

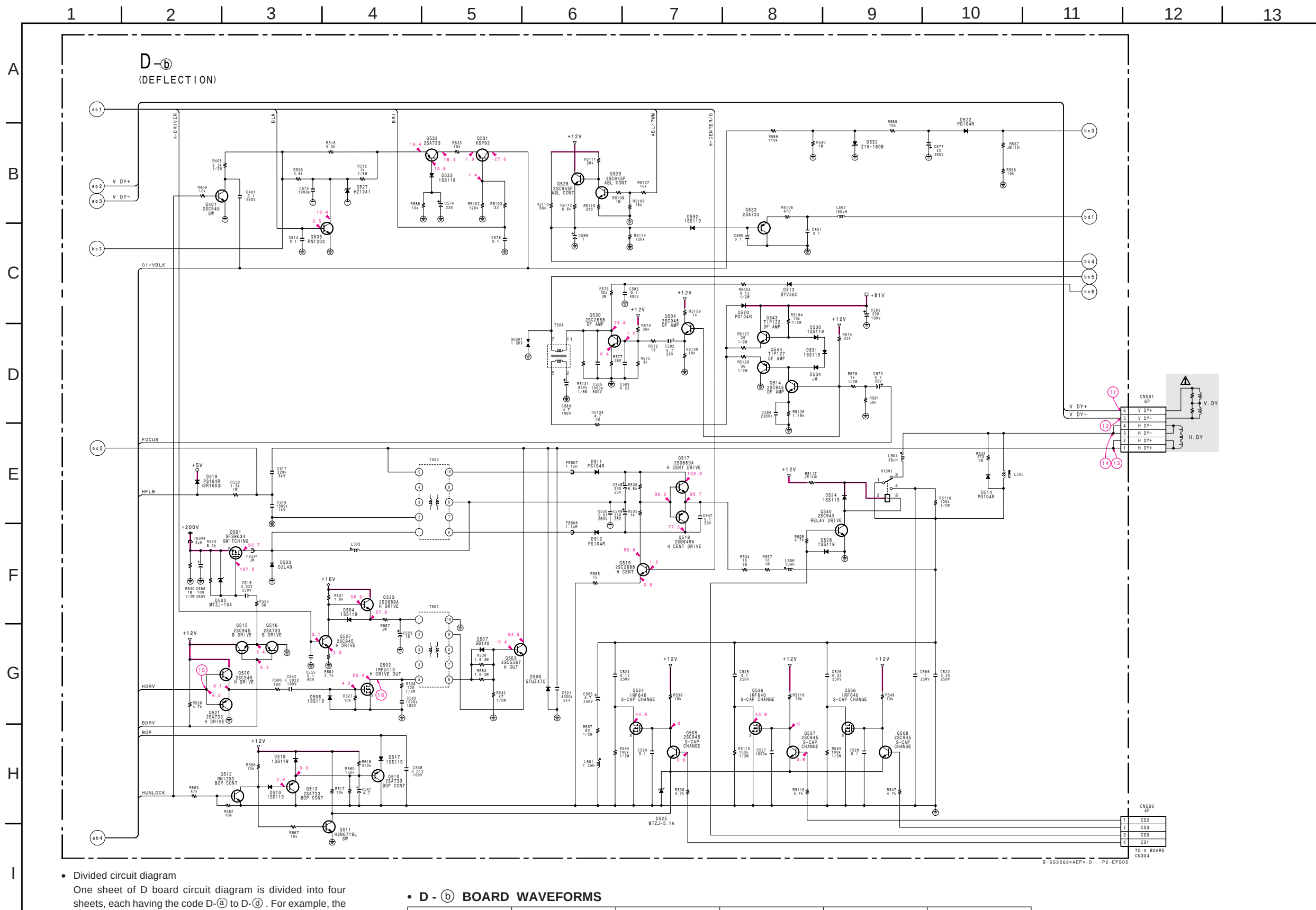


A horizontal timeline with 14 numbered segments from 1 to 14. The segments are separated by vertical lines, and the numbers are centered above each segment.



- a b 1
└─ Ref. No.
└─ Circuit diagram division code

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩
3.2 Vp-p (H)	3.4 Vp-p (H)	5.0 Vp-p (H)	4.0 Vp-p (V)	2.8 Vp-p (24MHz)	5.0 Vp-p (H)	5.0 Vp-p (V)	3.0 Vp-p (V)	2.0 Vp-p (V)	12.0 Vp-p (H)



• **D - ⑥ BOARD WAVEFORMS**

