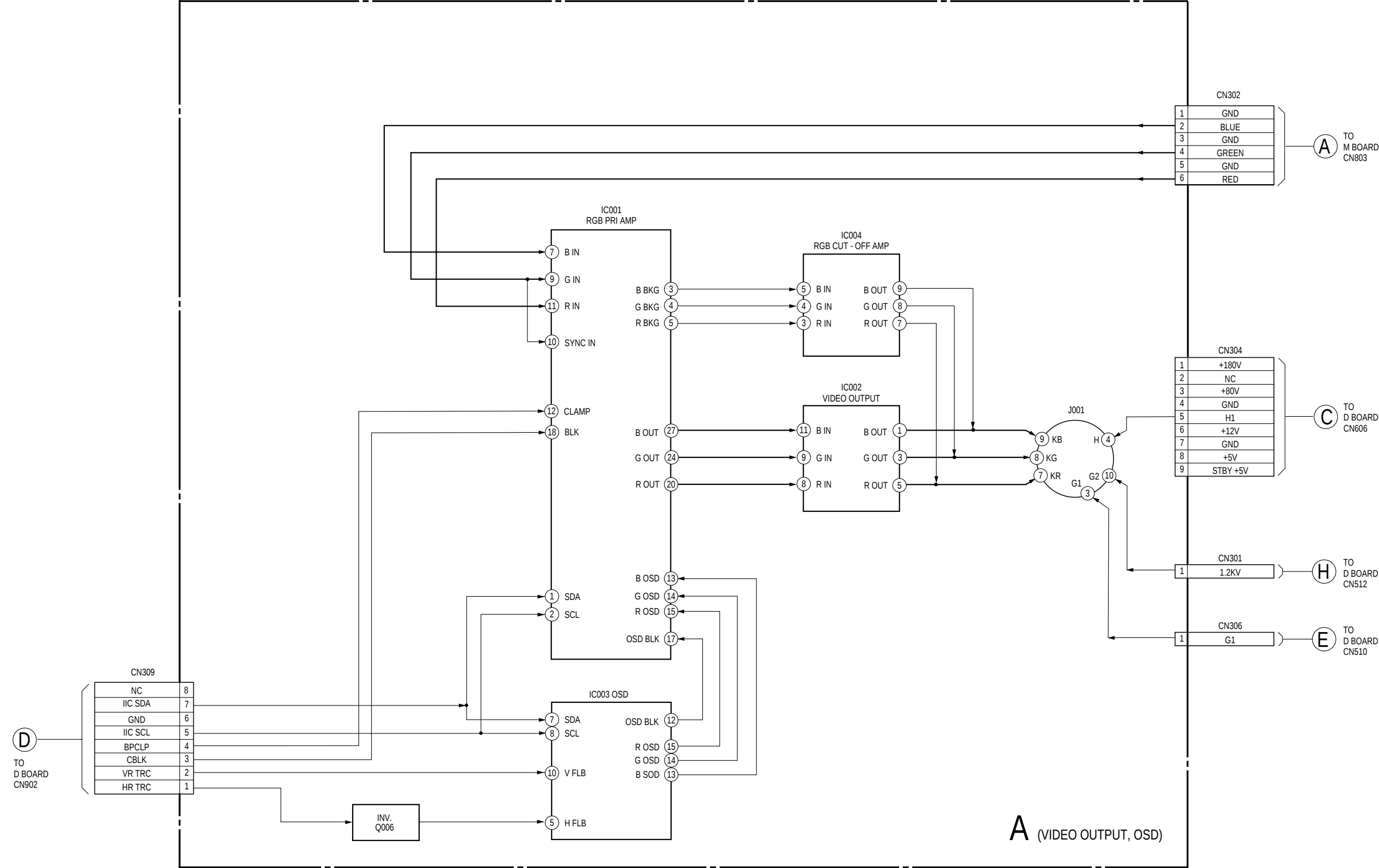
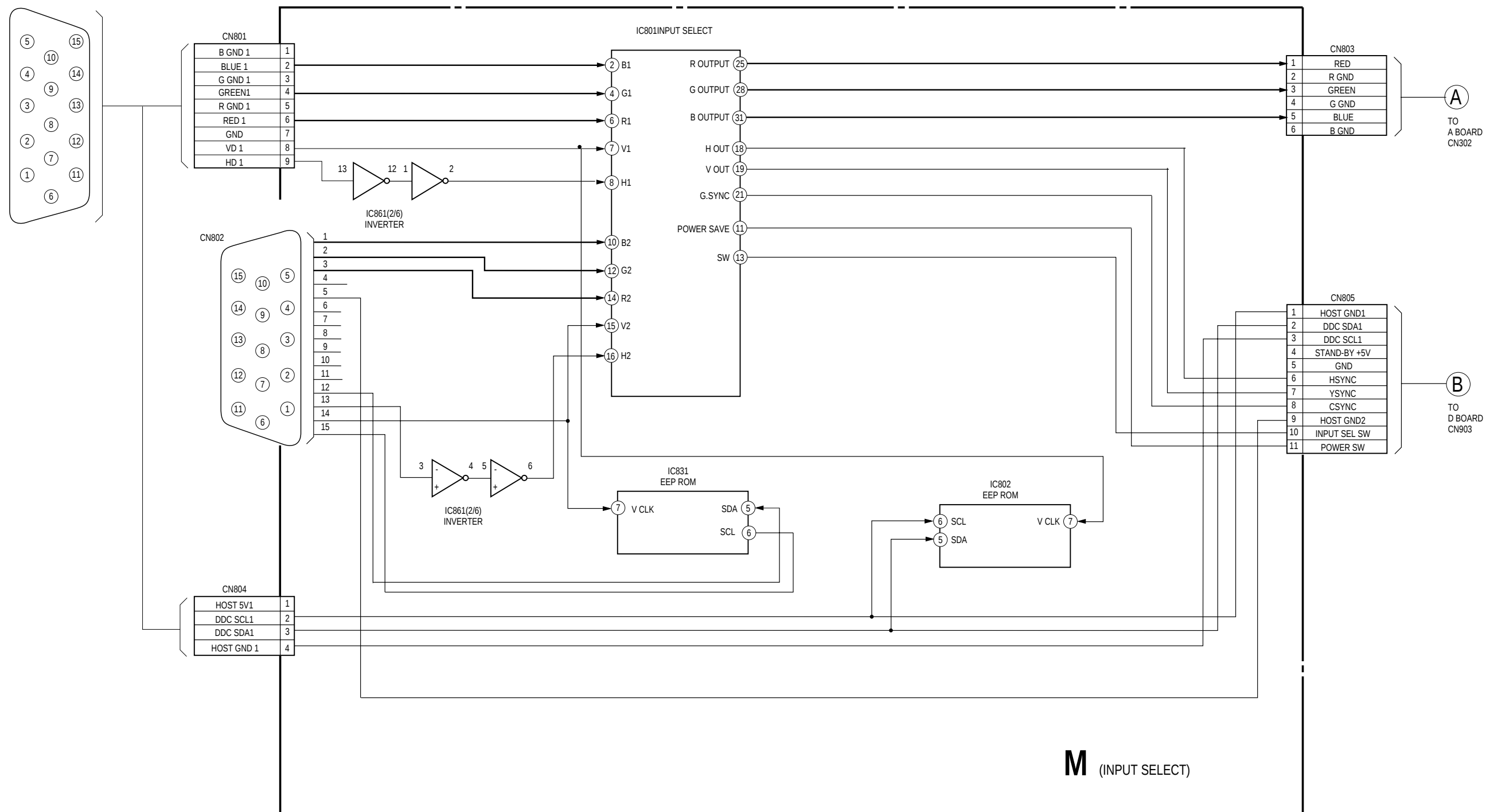


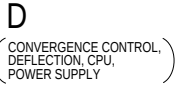
SECTION 4
DIAGRAMS

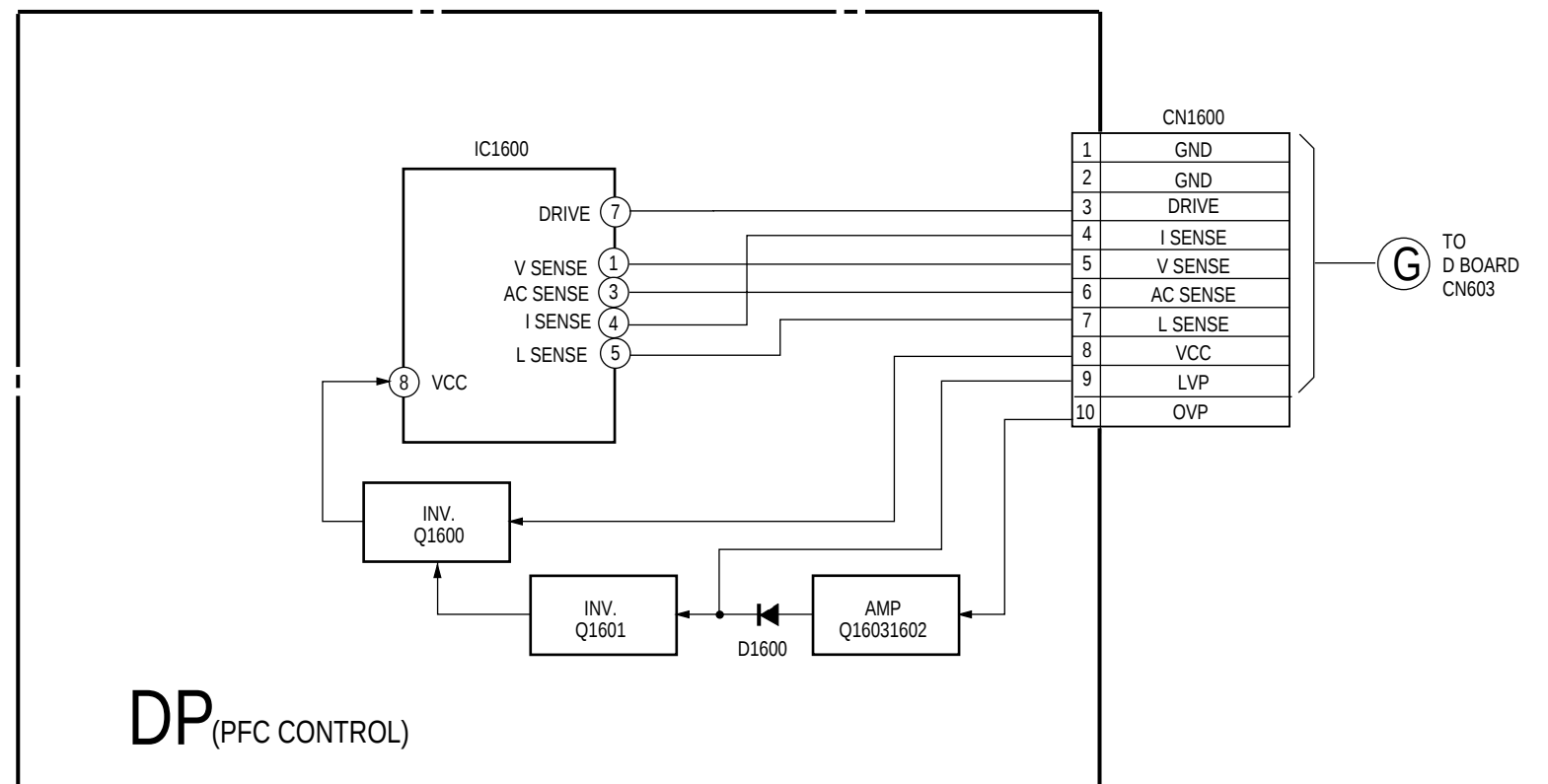
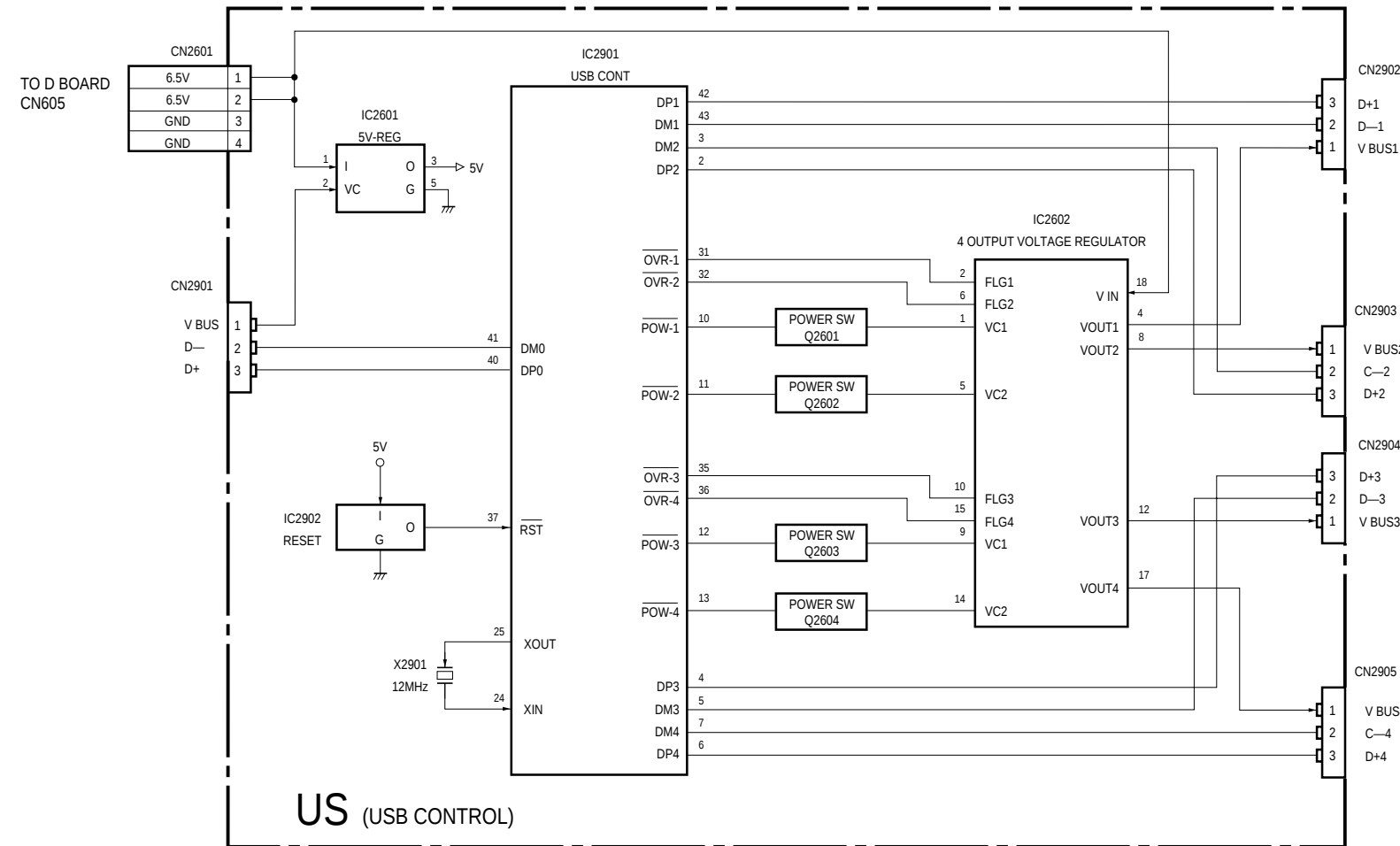
4-1. BLOCK DIAGRAMS



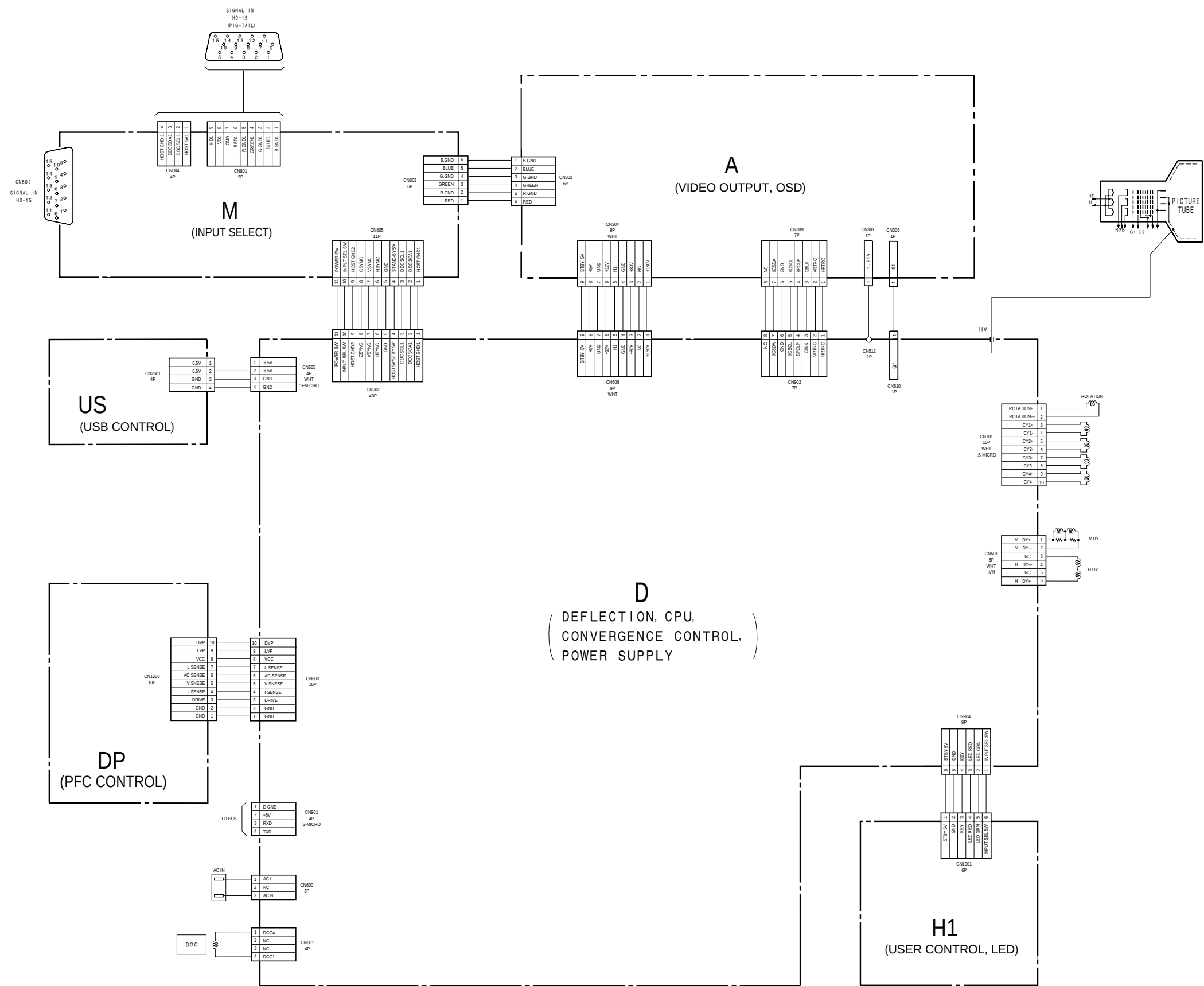
SIGNAL IN
HD15
(PIG-TAIL)







4-2. FRAME SCHEMATIC DIAGRAM



B-SS3572<J...>-KESSENZU

A BOARD (Video output, OSD)

Connectors:

- CN302 (6P):** B. GND, BLUE, G. GND, GREEN, R. GND, RED
- CN309 (7P):** NC, IICSDA, GND, IICSCS, BPCLP, CBCLK, VRTRC, HRTRC
- CN306 (10P):** TO D (C) BOARD CN510, TO D (C) BOARD CN512, TO D (C) BOARD CN512
- CN307 (1P):** 1 2KV
- CN304 (9P):** STBY 5V, +5V, GND, +12V, H1, GND, +80V, NC, +180V

Key Components:

- IC001:** CX2067AS, P&C-AMP
- IC002:** LM2411ST, VIDEO OUTPUT
- IC003:** CX09620P, OSD
- IC004:** H802957, CUT-OFF AMP
- Passive Components:** Resistors (R001-R309), Capacitors (C001-C049), Diodes (D104-D206), Inductors (L001-L007), Transistors (Q001-Q002), and Buffers (U001-U002).

Power Supply Rails:

- STBY+5V
- +5V
- +12V
- +80V
- +180V

Signal Paths:

- Video Output:** IC002 outputs video signals through various protection and clamp circuits (D104, D204, D205, D206) to the video output connector (CN306).
- OSD:** IC003 handles OSD signals, including sync, clamp, and protection circuits (D104, D204, D205, D206) to the video output connector (CN306).
- Protection:** Various protection diodes (D104, D204, D205, D206) and clamping diodes (D304, D306) are used to protect the video output and OSD signals.

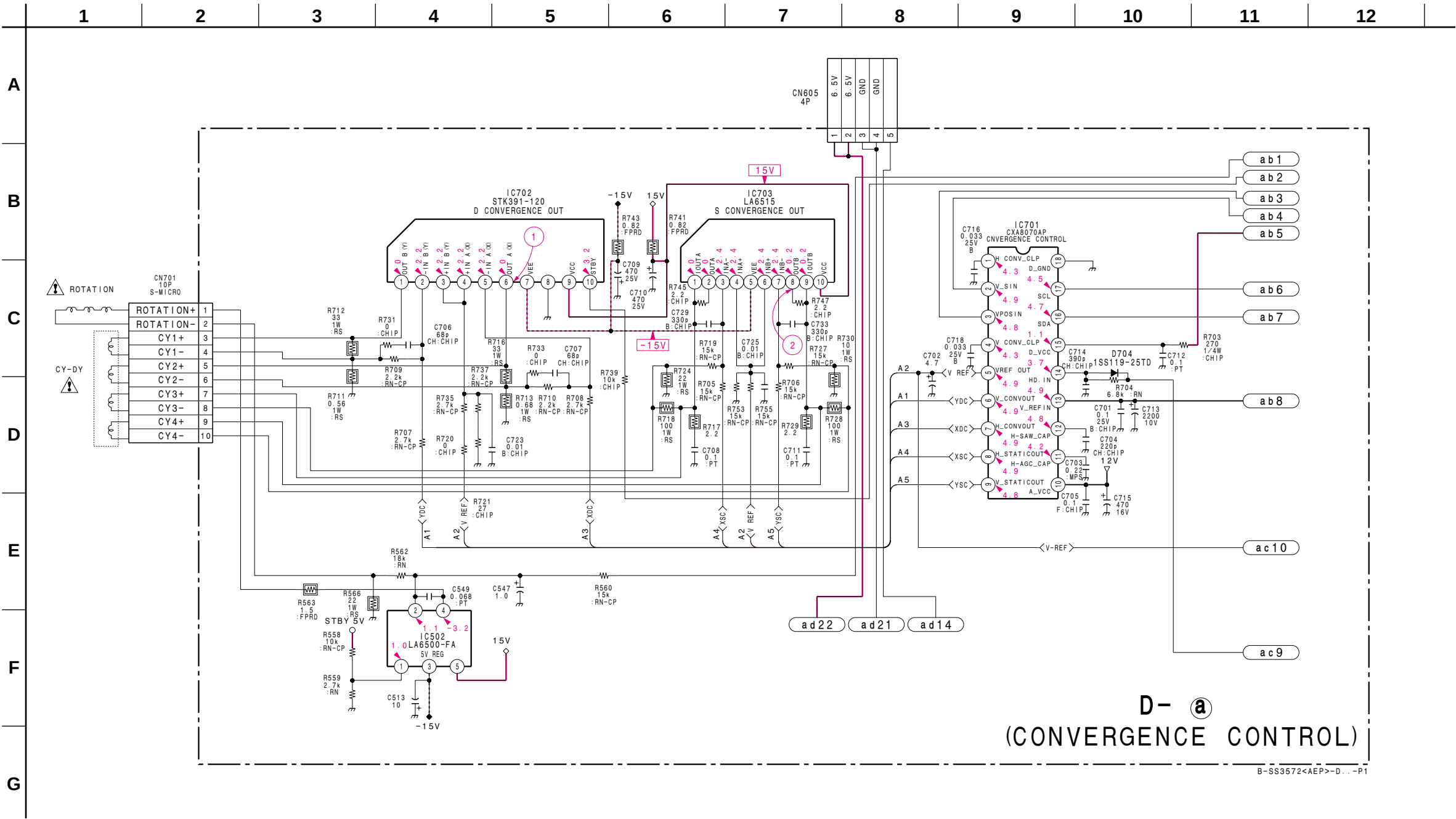
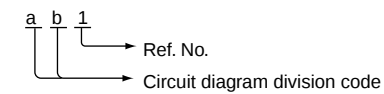
Other Components:

- FB001-FB009:** Various feedback and control components.
- R001-R309:** Resistors for various functions, including pull-up/pull-down, biasing, and signal conditioning.
- C001-C049:** Capacitors for decoupling, timing, and signal conditioning.
- L001-L007:** Inductors for power supply filtering and signal conditioning.
- Q001-Q002:** Transistors for signal amplification and switching.
- U001-U002:** Buffers for signal conditioning and driving.

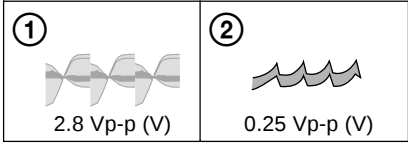
0.9 Vp-p (H)	0.9 Vp-p (H)	0.9 Vp-p (H)	3.8 Vp-p (H)	3.6 Vp-p (H)	3.5 Vp-p (H)	49.8 Vp-p (H)	49.8 Vp-p (H)	49.8 Vp-p (H)
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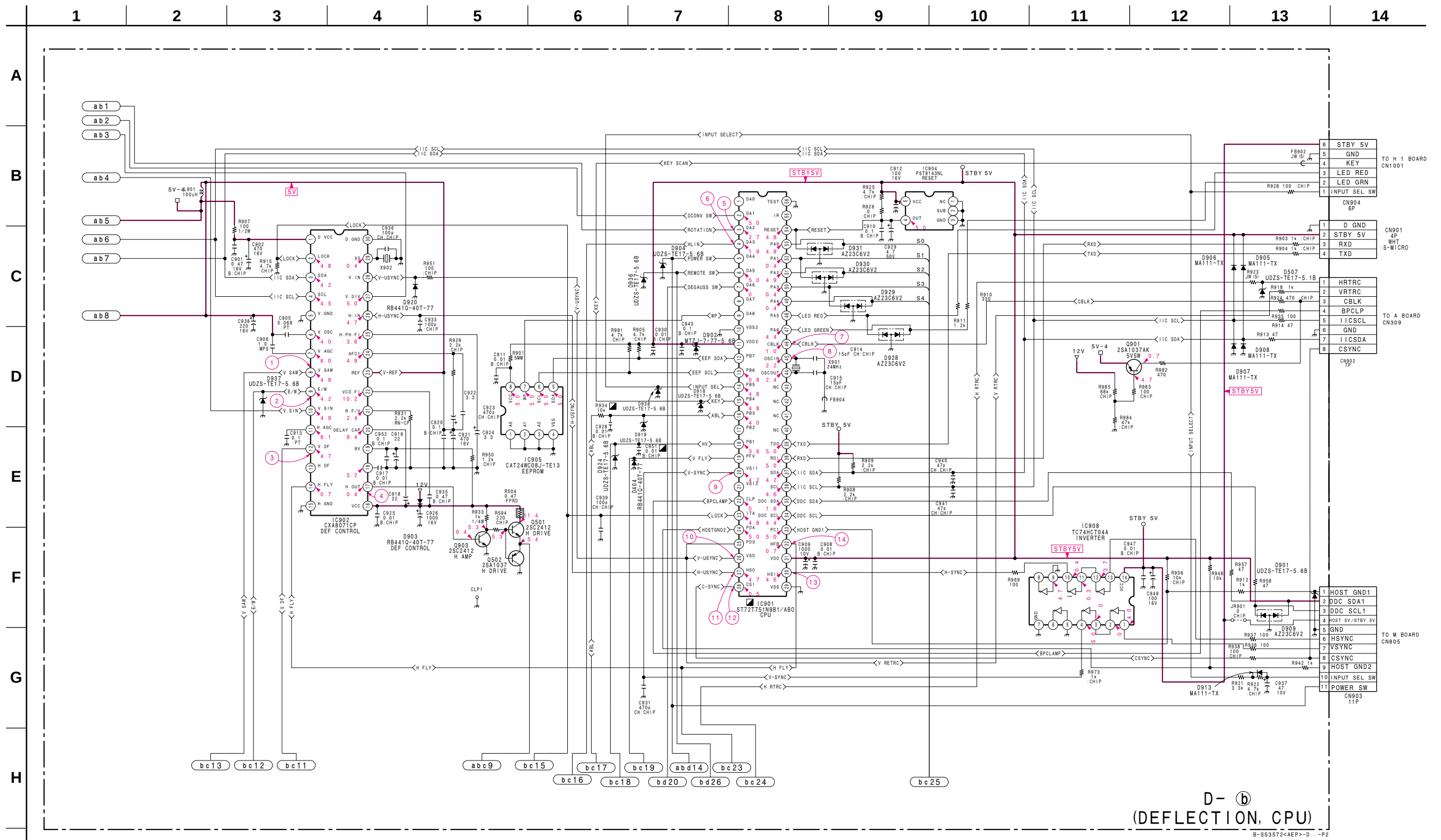
(2) Schematic Diagrams of D (a, b, c, d) Board

- Divided circuit diagram
- One sheet of D board circuit diagram is divided into three sheets, each having the code D-**a** to D-**c**. For example, the destination **ab1** on the code D-**a** sheet is connected to **ab1** on the D-**b** sheet.



D - a BOARD WAVEFORMS



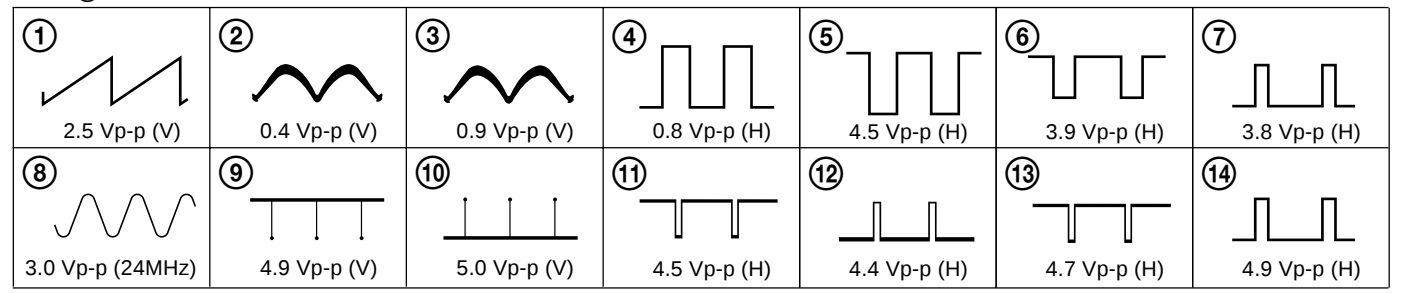


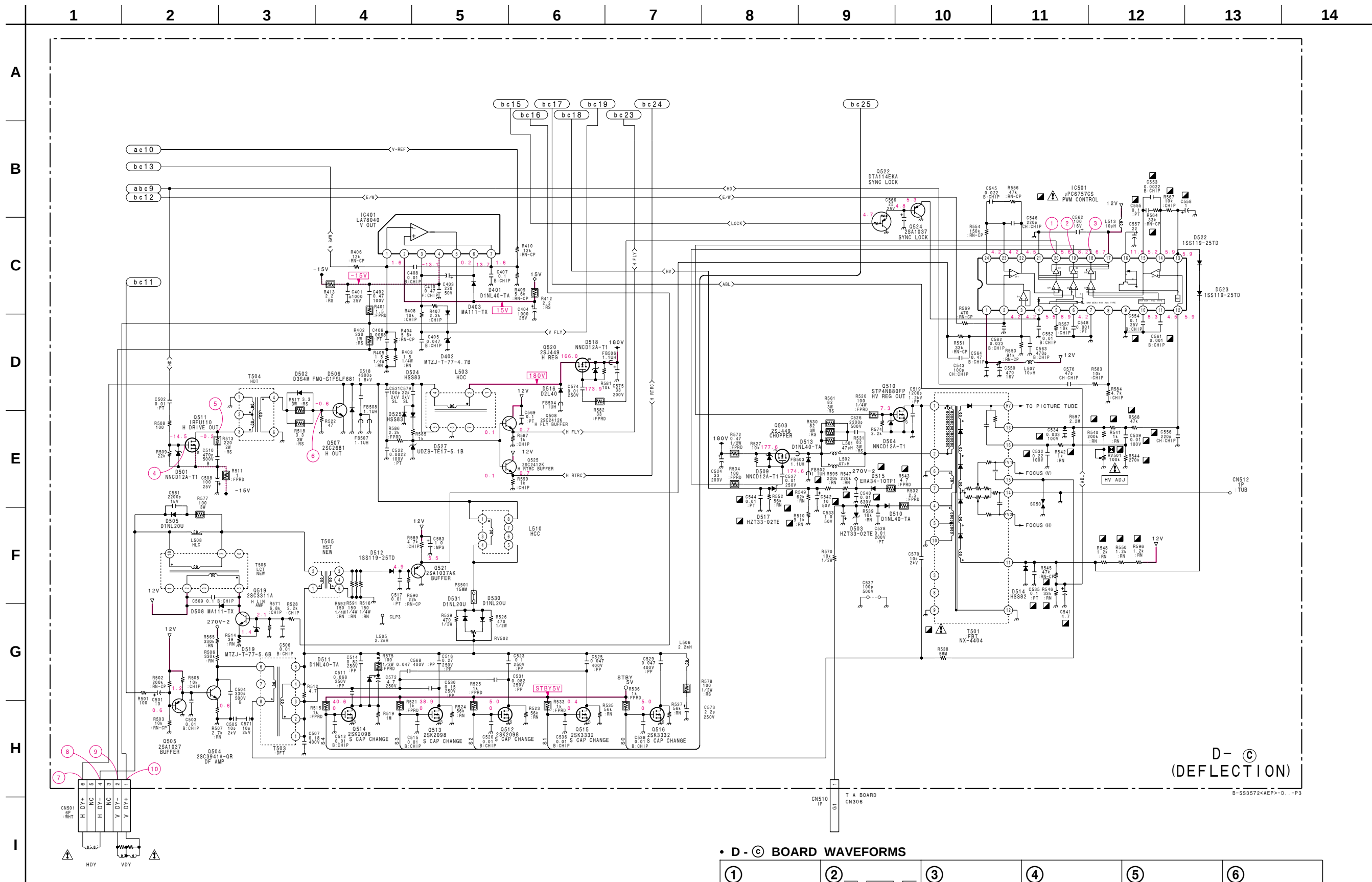
D- (b)
(DEFLECTION, CPU)

B-SS3572<AEP>-D...-P2

- Divided circuit diagram
 - One sheet of D board circuit diagram is divided into three sheets, each having the code D- (a) to D- (c). For example, the destination (ab1) on the code D- (a) sheet is connected to (ab1) on the D- (b) sheet.
- a b 1
Ref. No.
Circuit diagram division code

• D- (b) BOARD WAVEFORMS

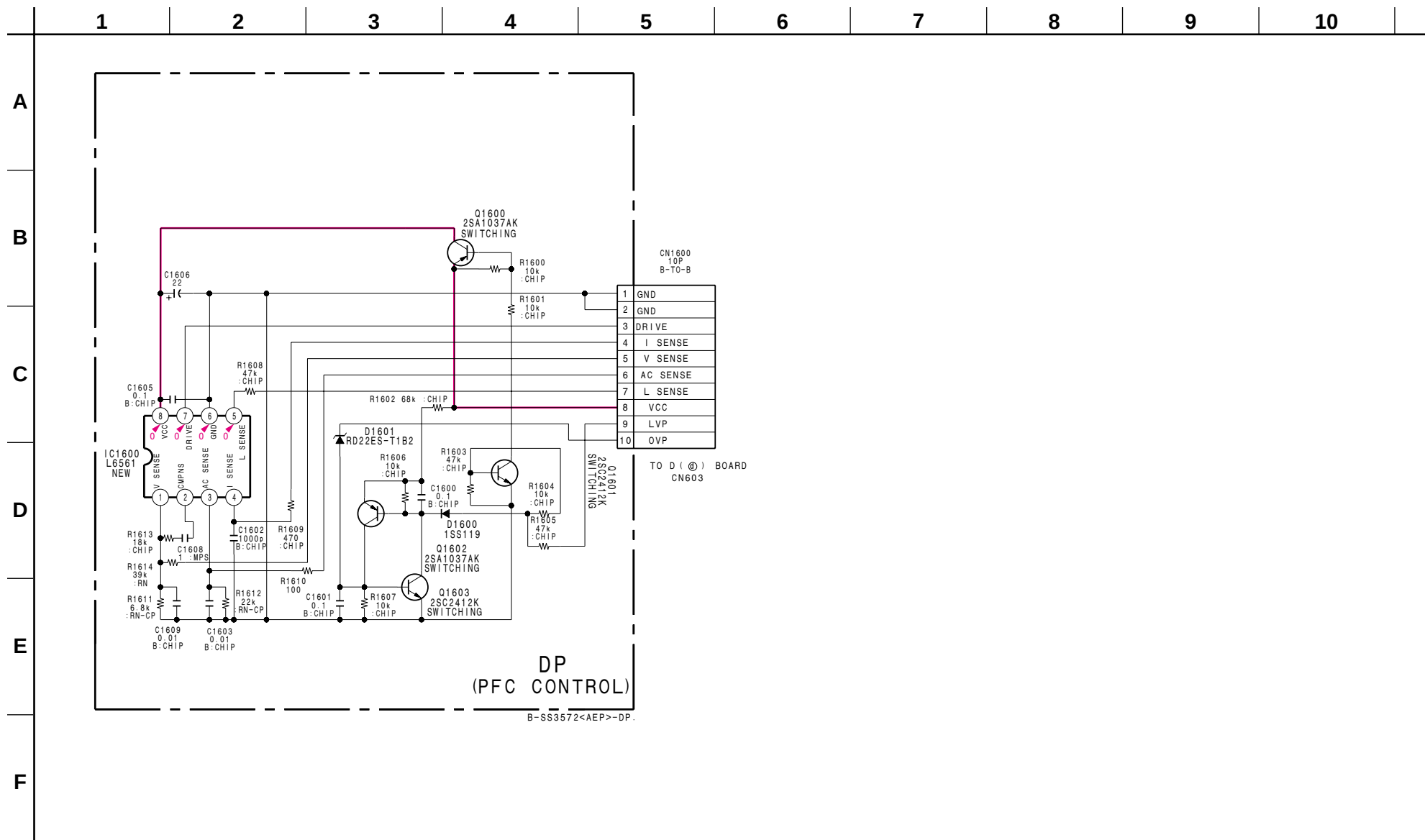




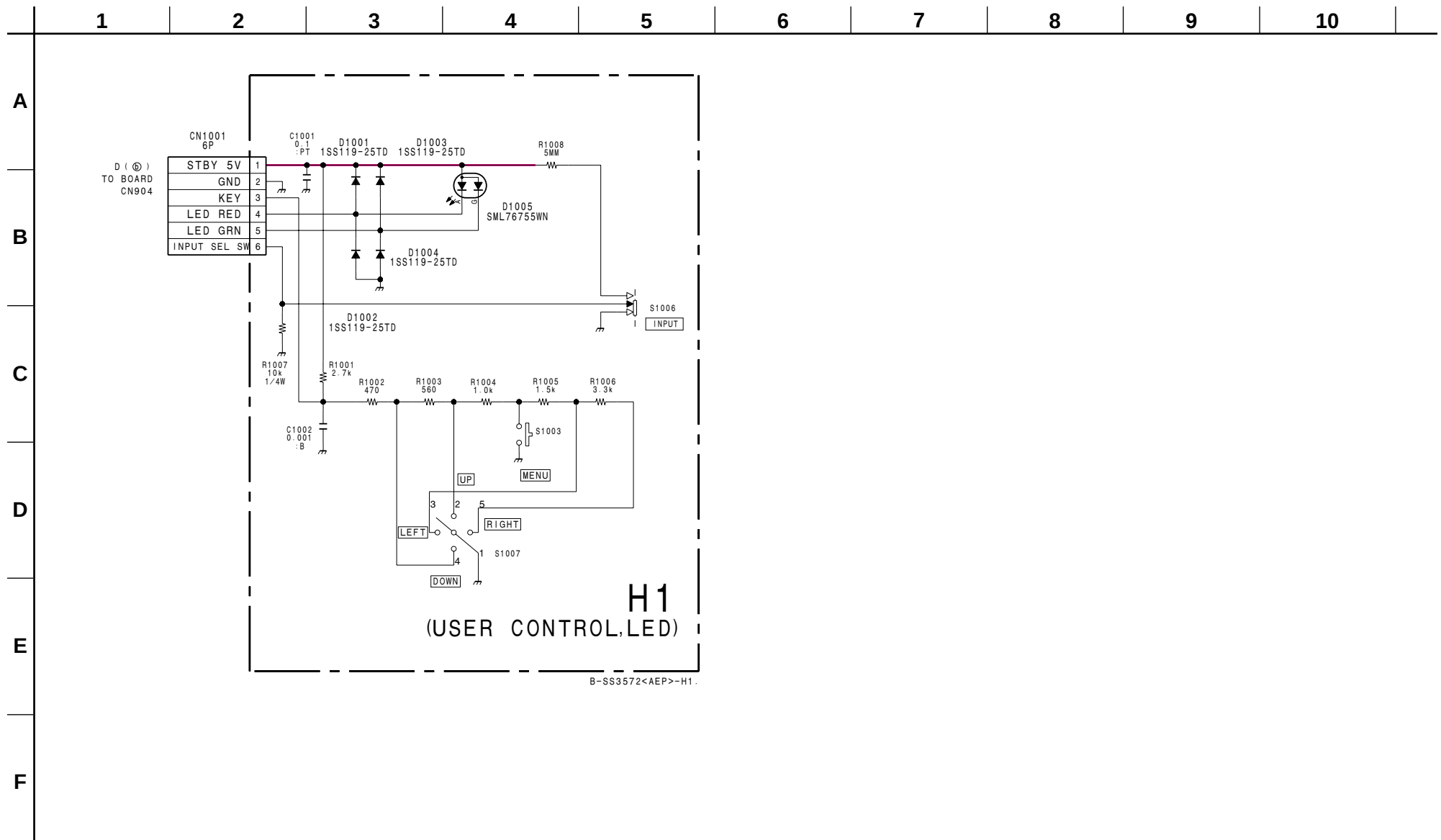
- Divided circuit diagram
- One sheet of D board circuit diagram is divided into three sheets, each having the code D-© to D-©. For example, the destination (ab1) on the code D-© sheet is connected to (ab1) on the D-© sheet.

a b 1
 Ref. No.
 Circuit diagram division code

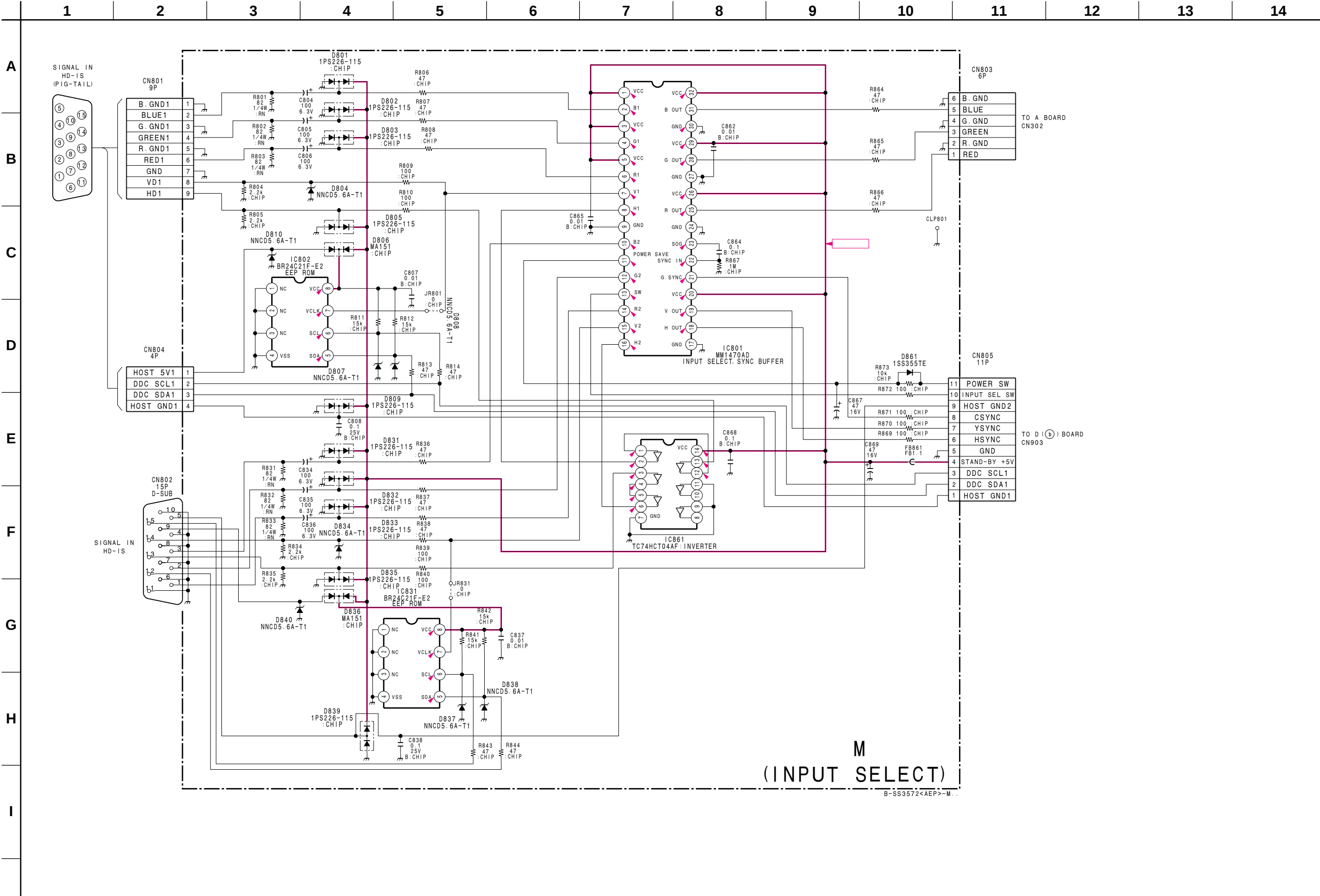
(3) Schematic Diagram of DP Board



(4) Schematic Diagram of H1 Board



(5) Schematic Diagram of M Board



1	2	3	4	5	6	7	8	9	10
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