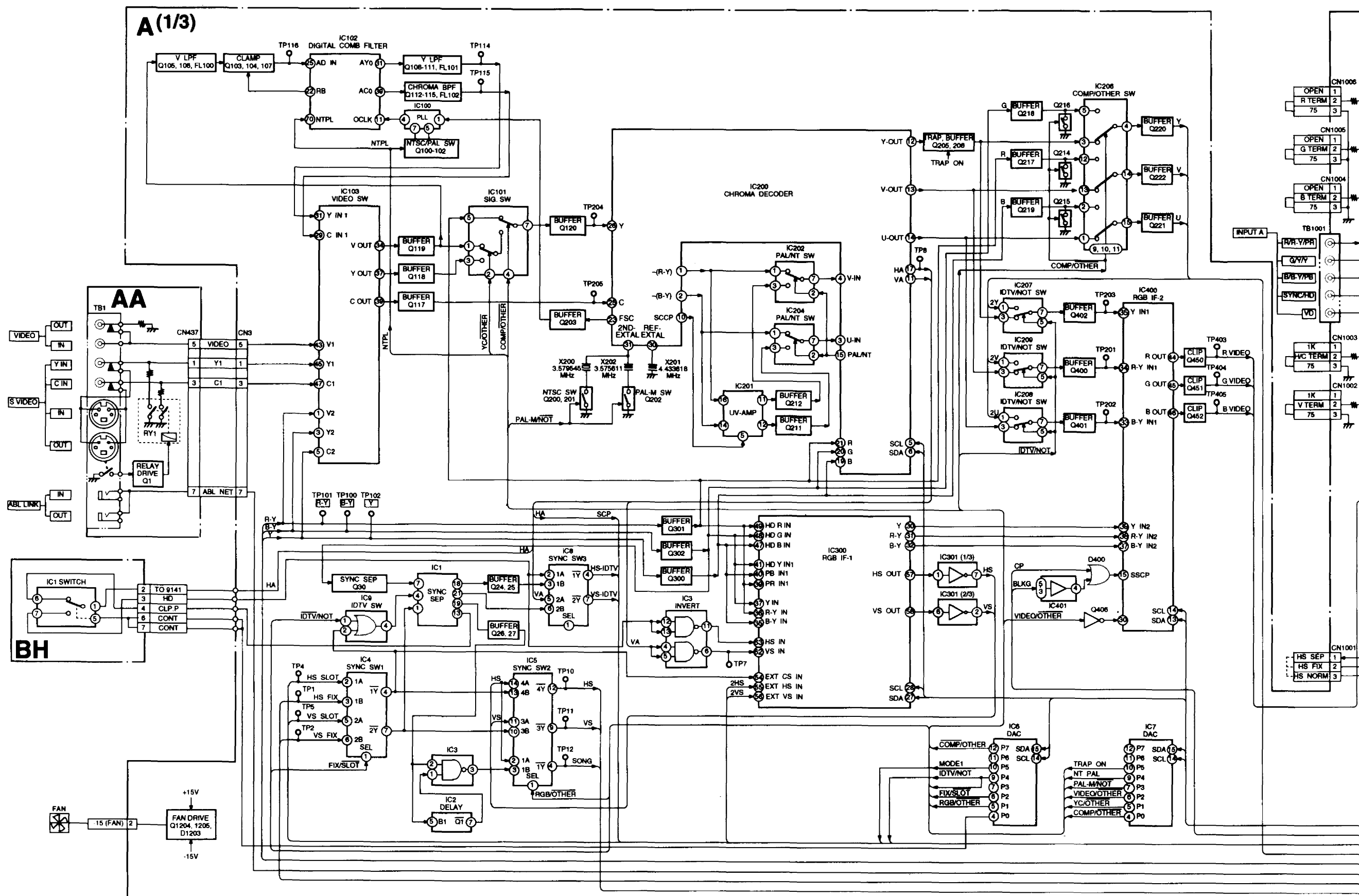


## SECTION 4

### DIAGRAMS

#### 4-1. BLOCK DIAGRAMS

- **A (1/3), AA, AC, AD and BH Board Block Diagrams**

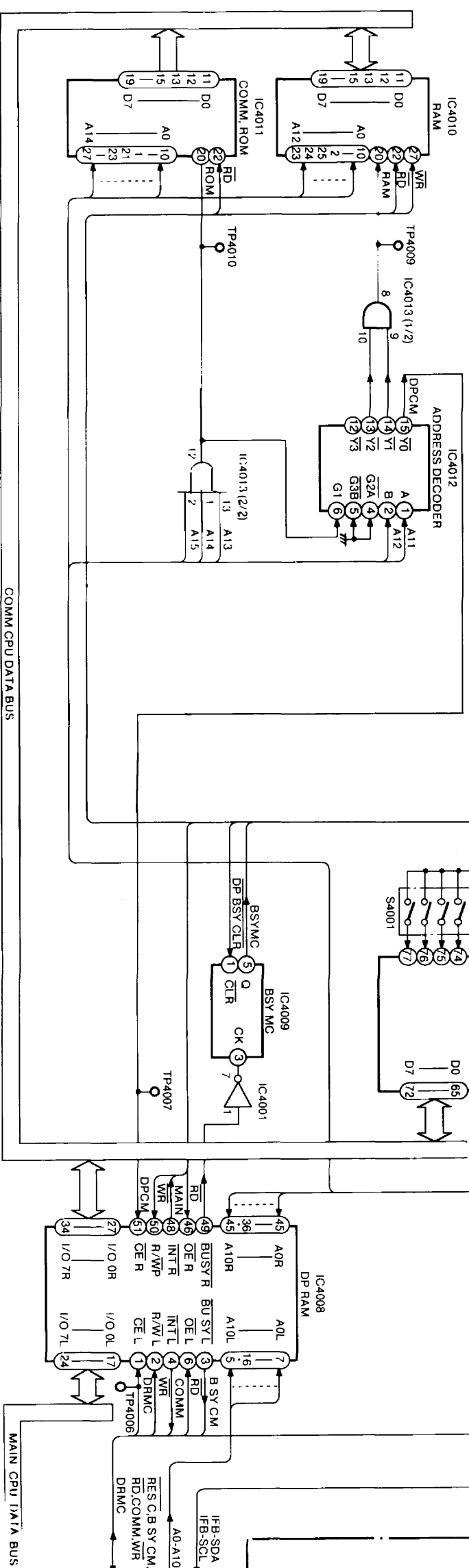
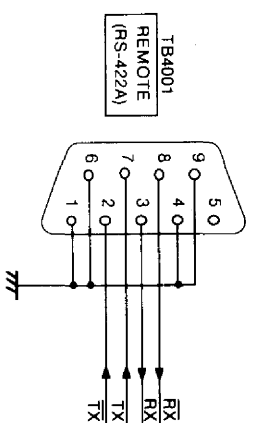
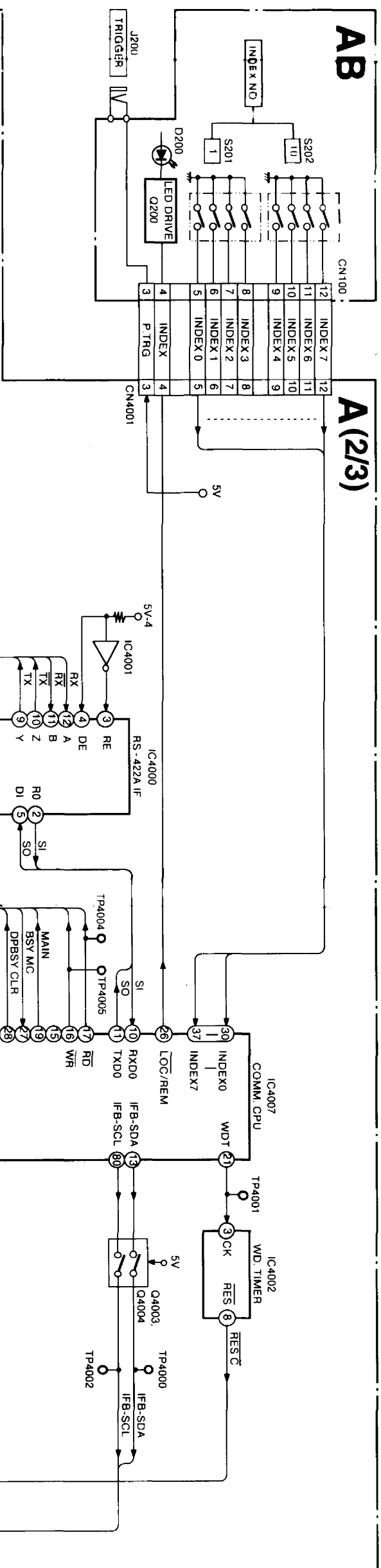






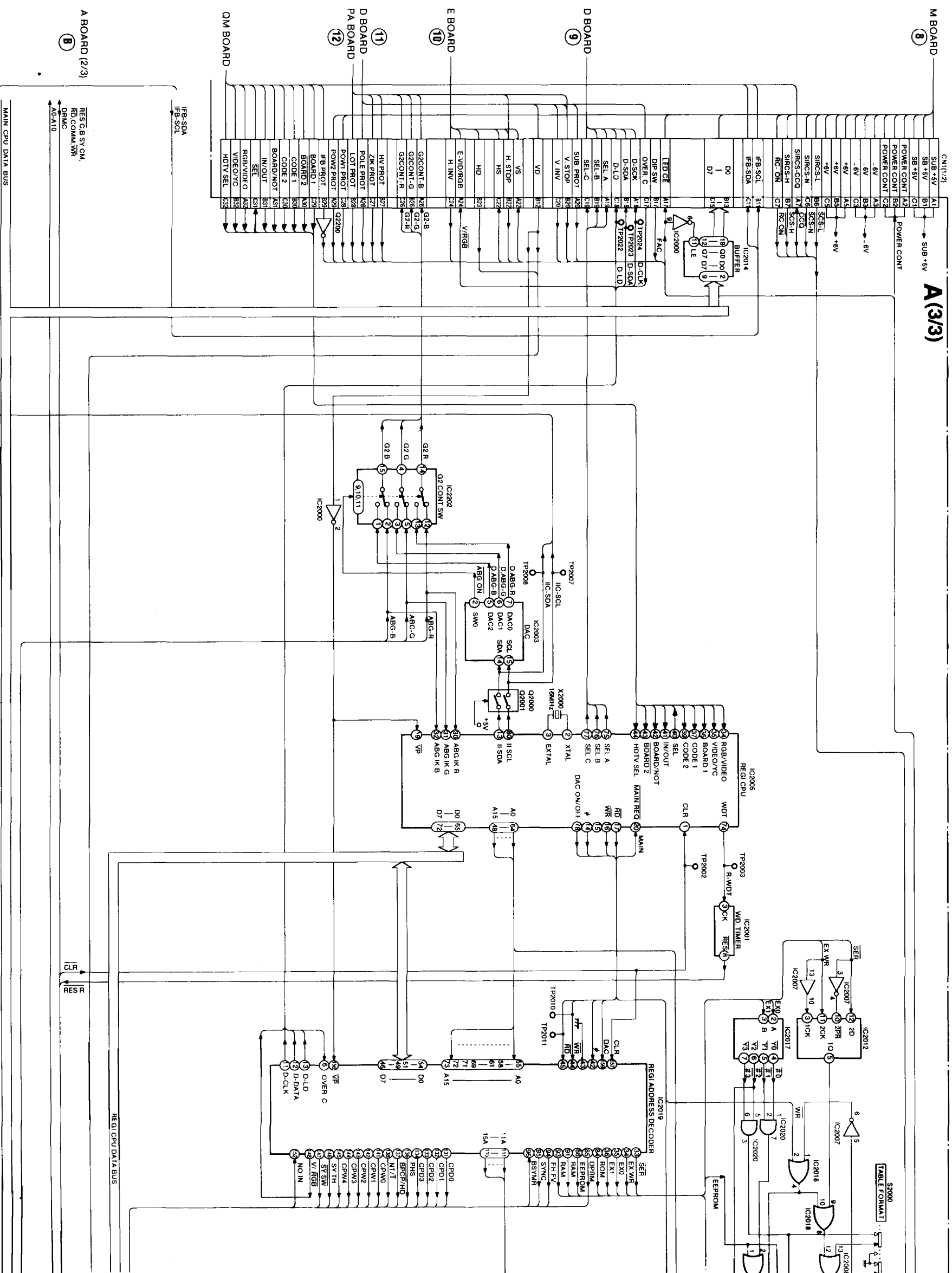
**AB**

**A(2/3)**



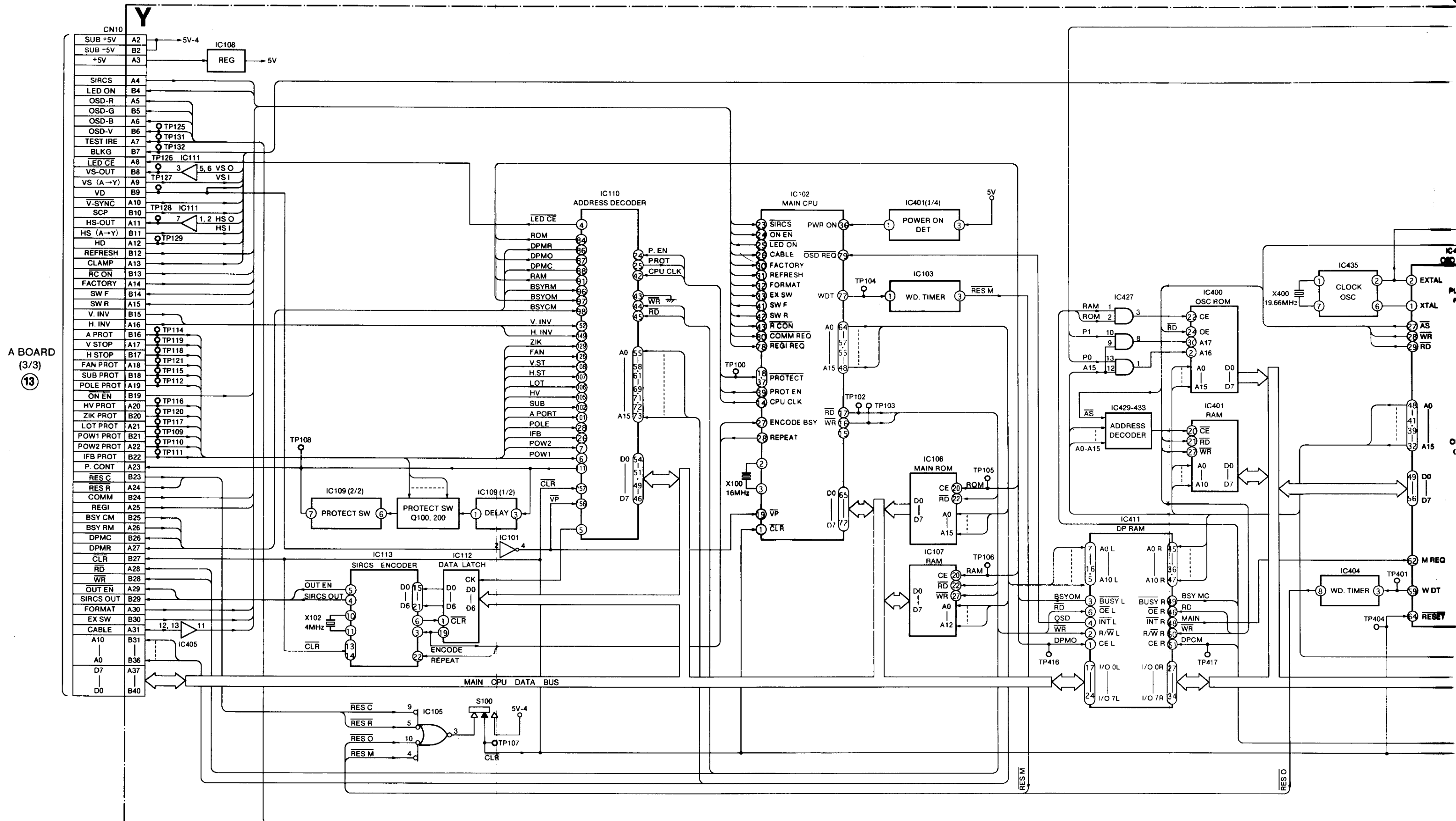
A BOARD (3/3)

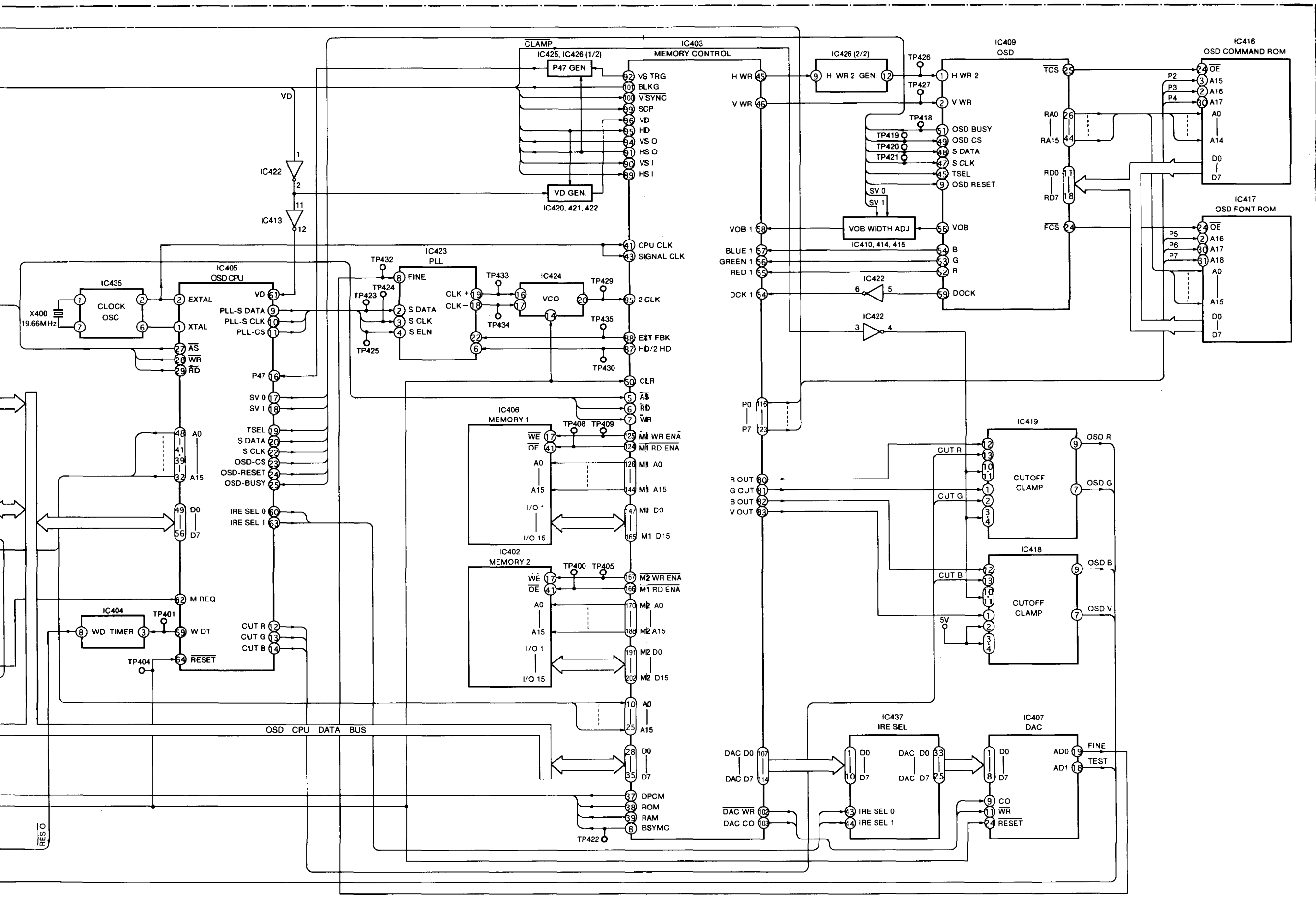
- **A (3/3) Board Block Diagram**





- **Y Board Block Diagram**

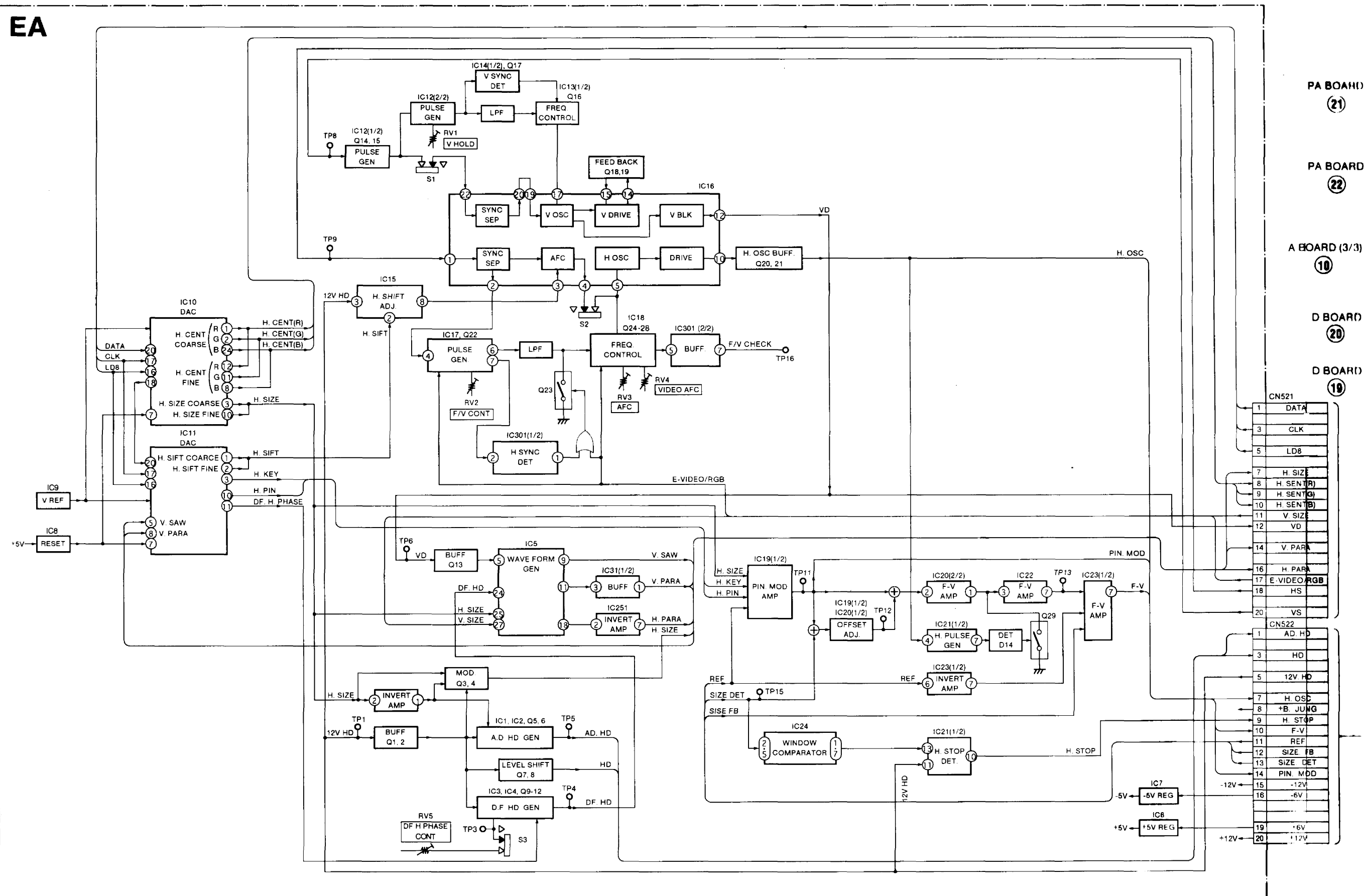


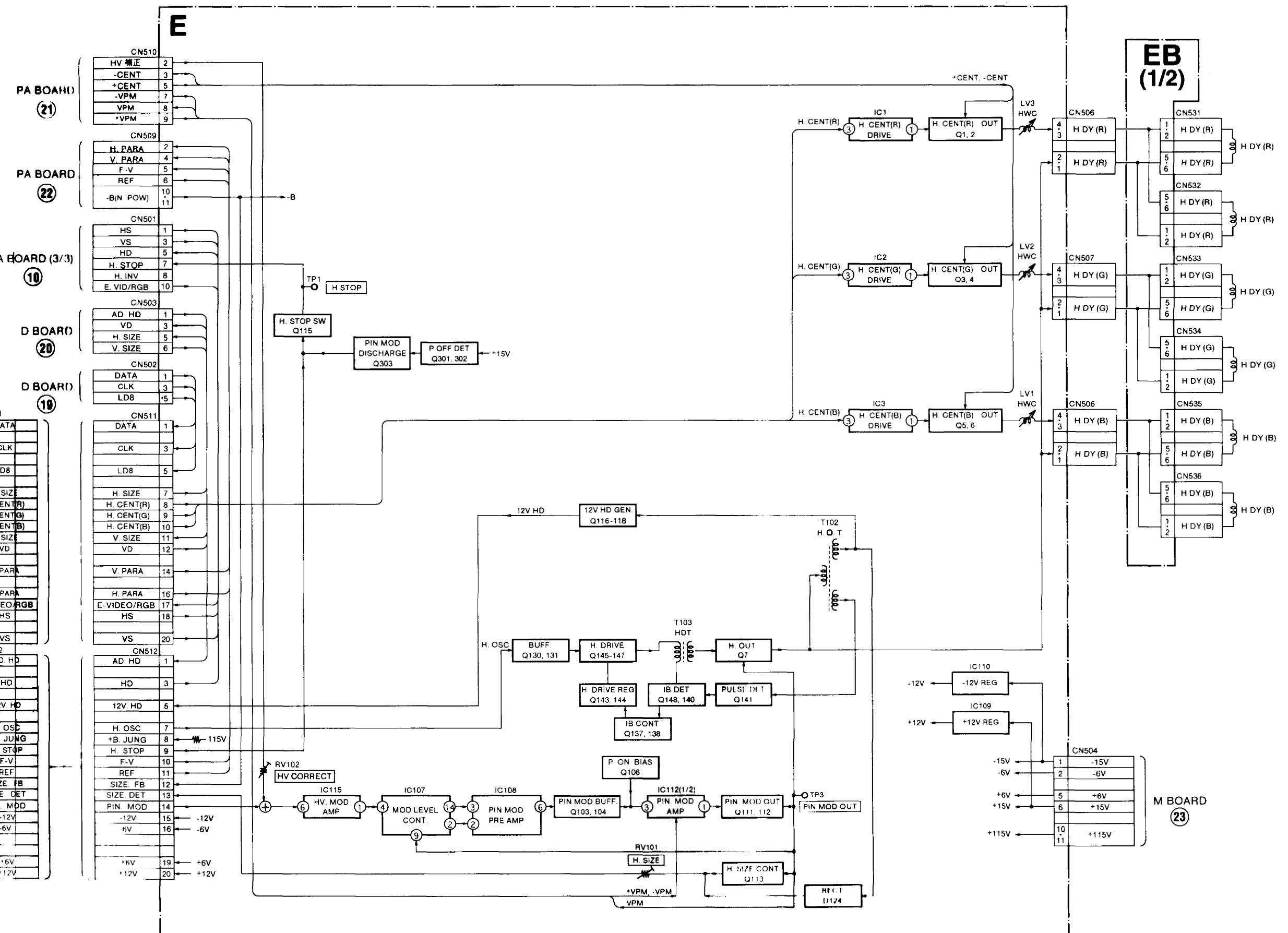


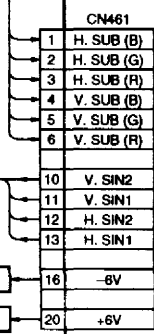


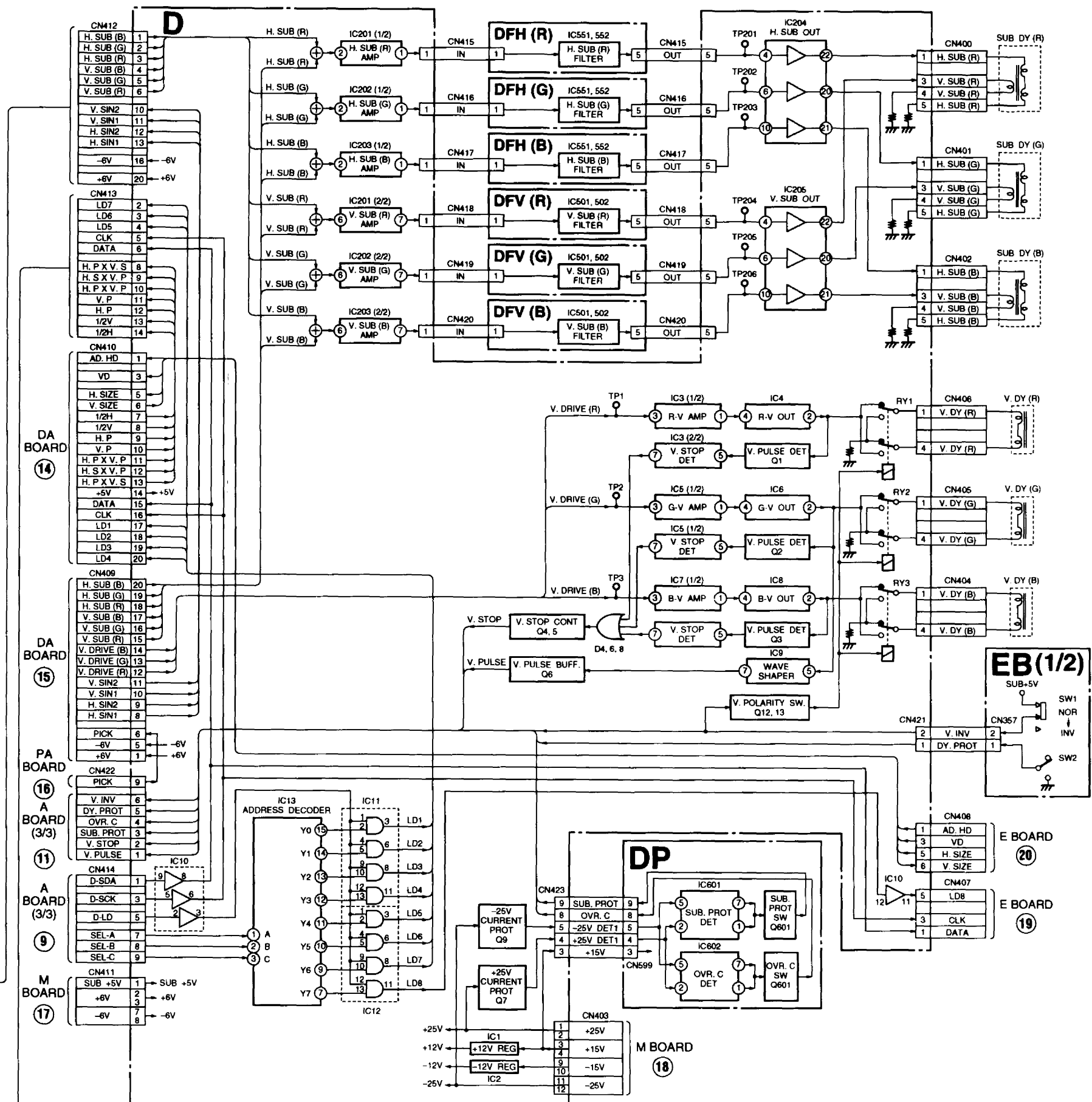
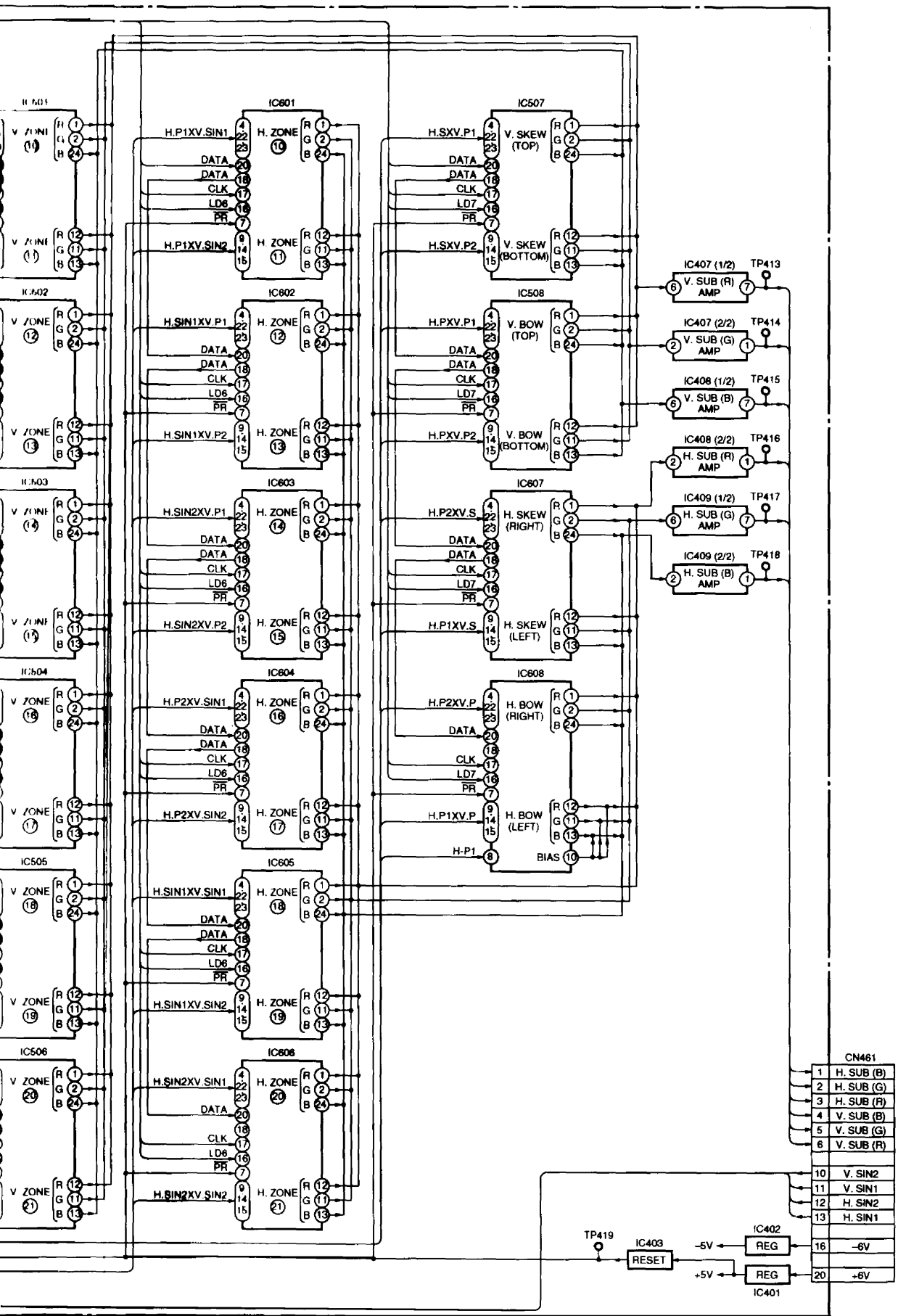
## • E, EA and EB Board Block Diagrams

EA

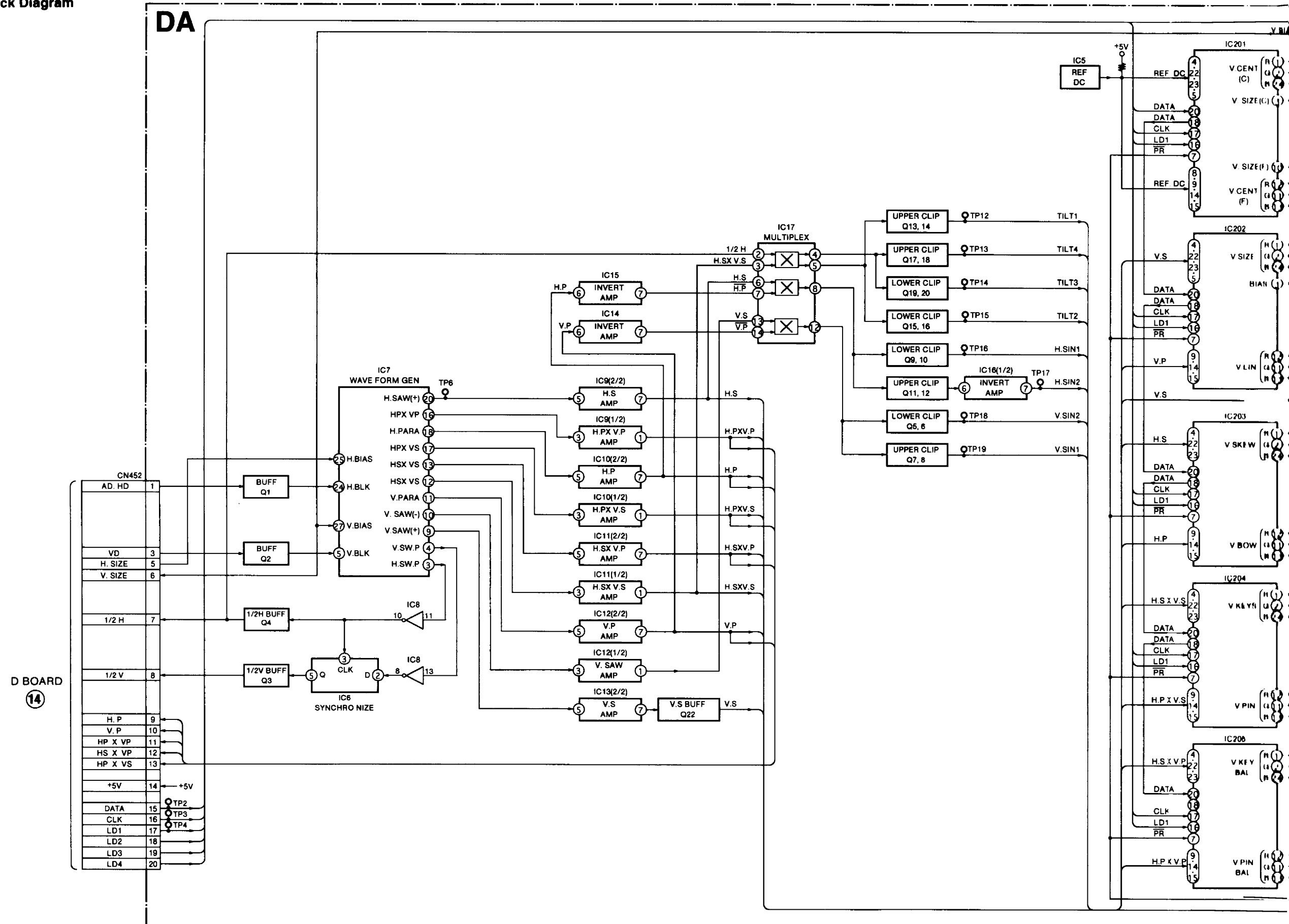


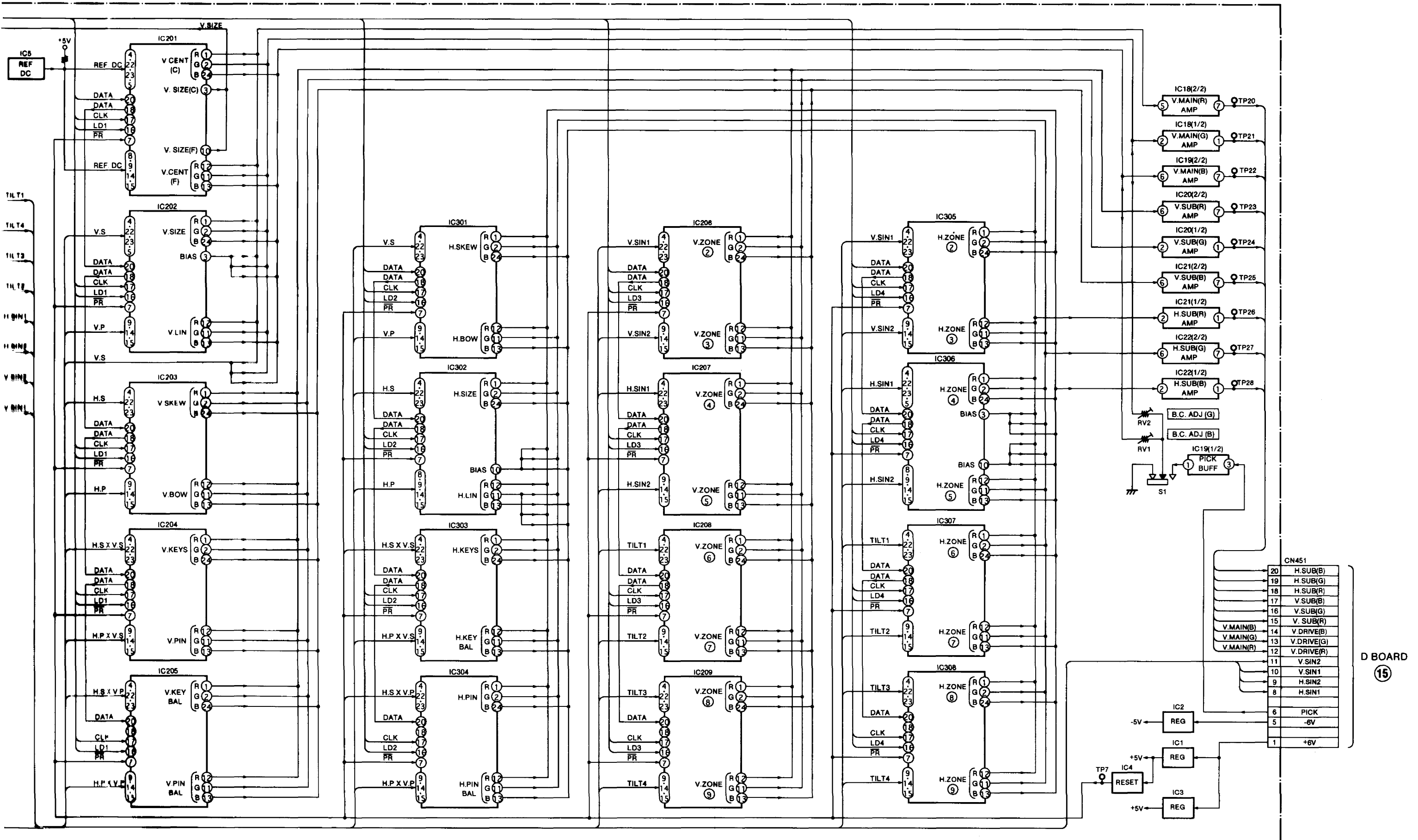




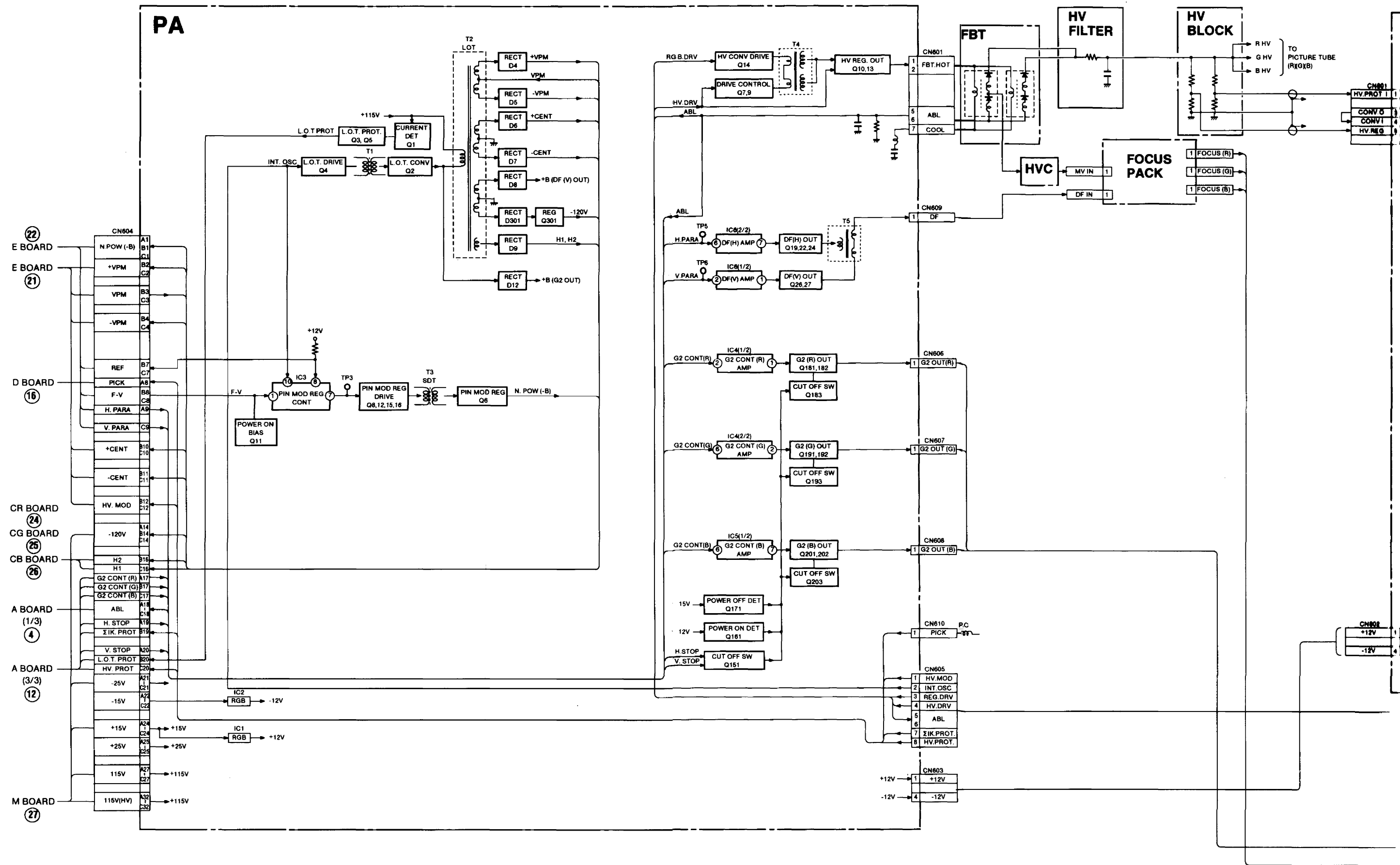


- **DA Board Block Diagram**

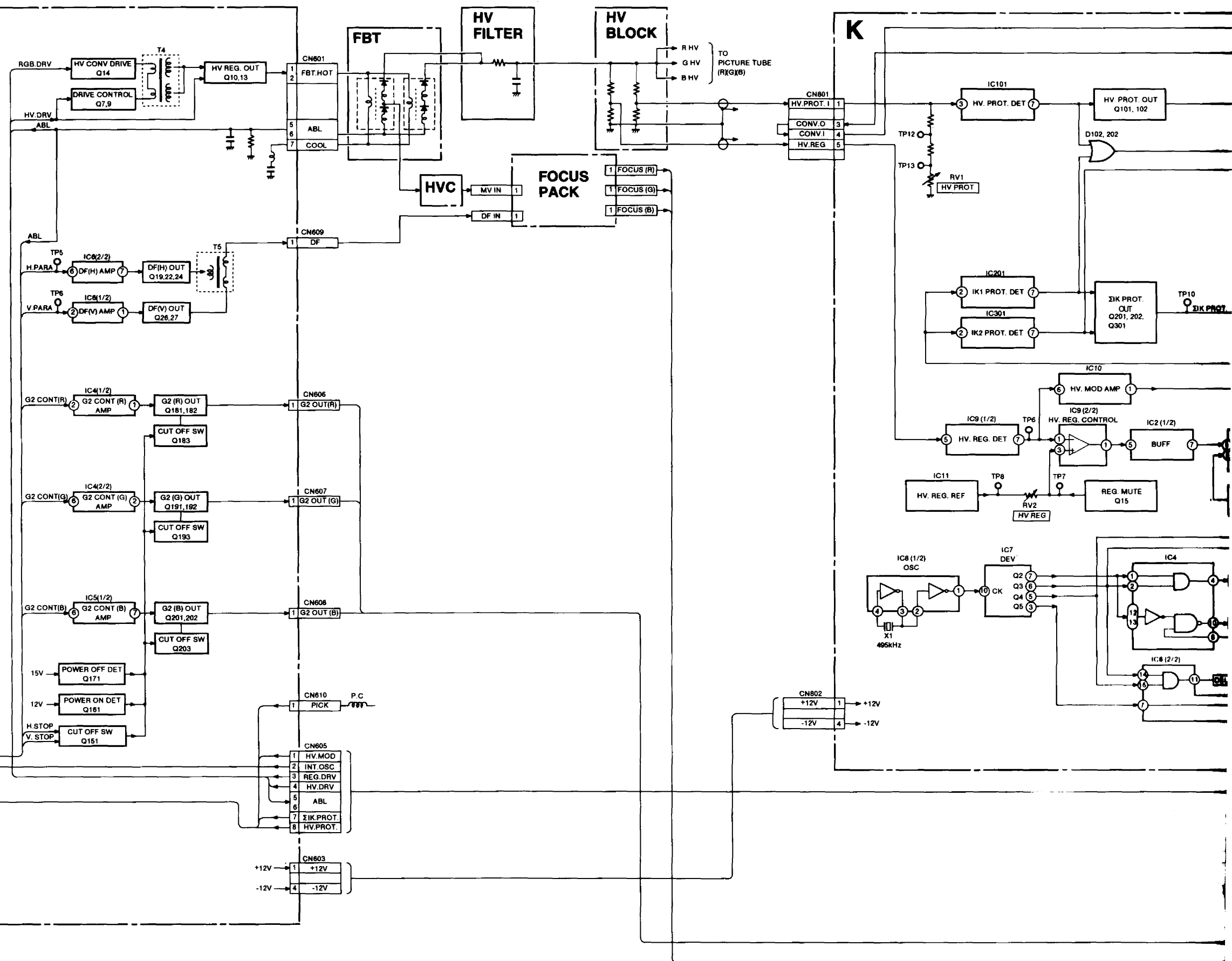
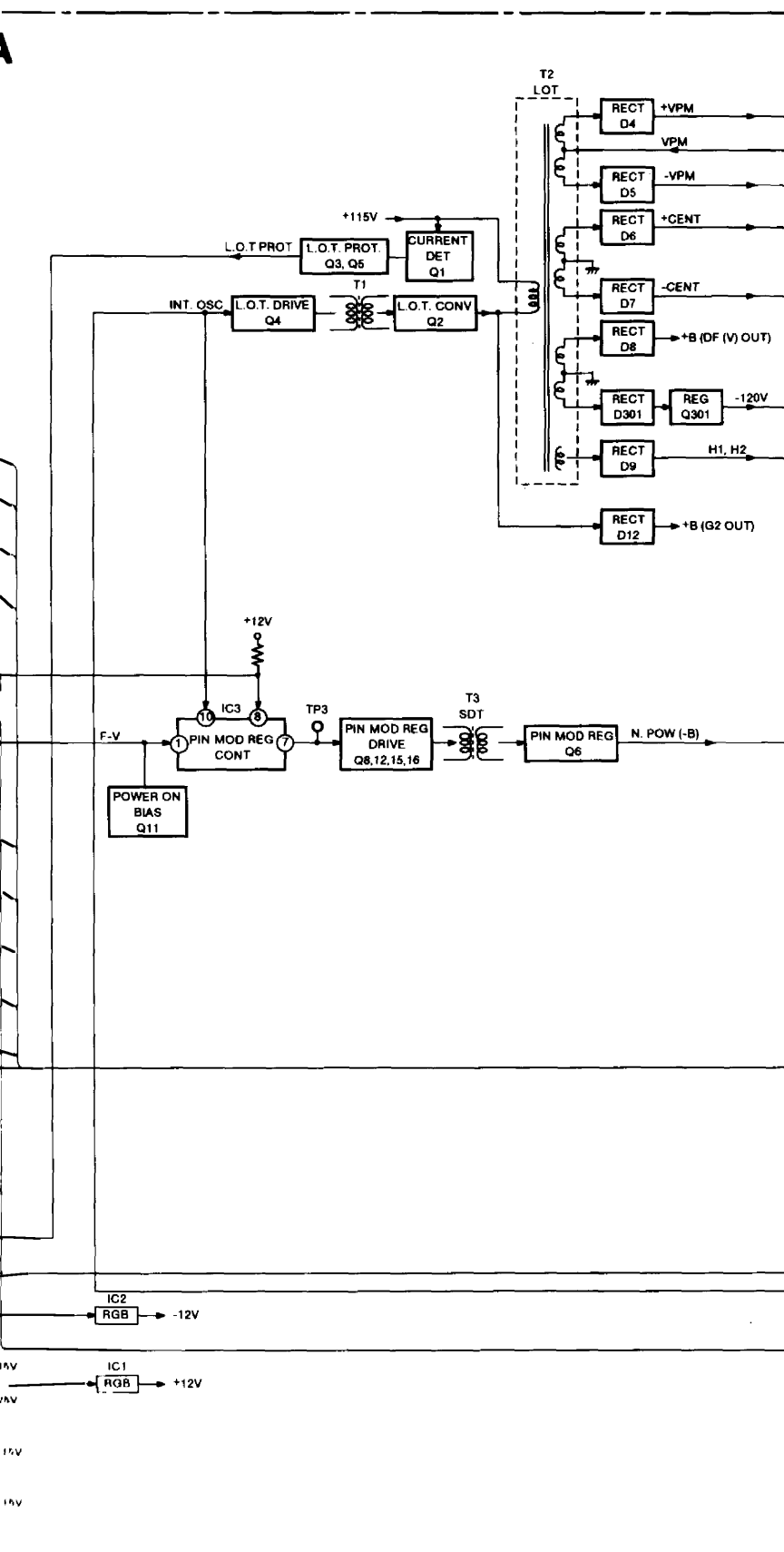




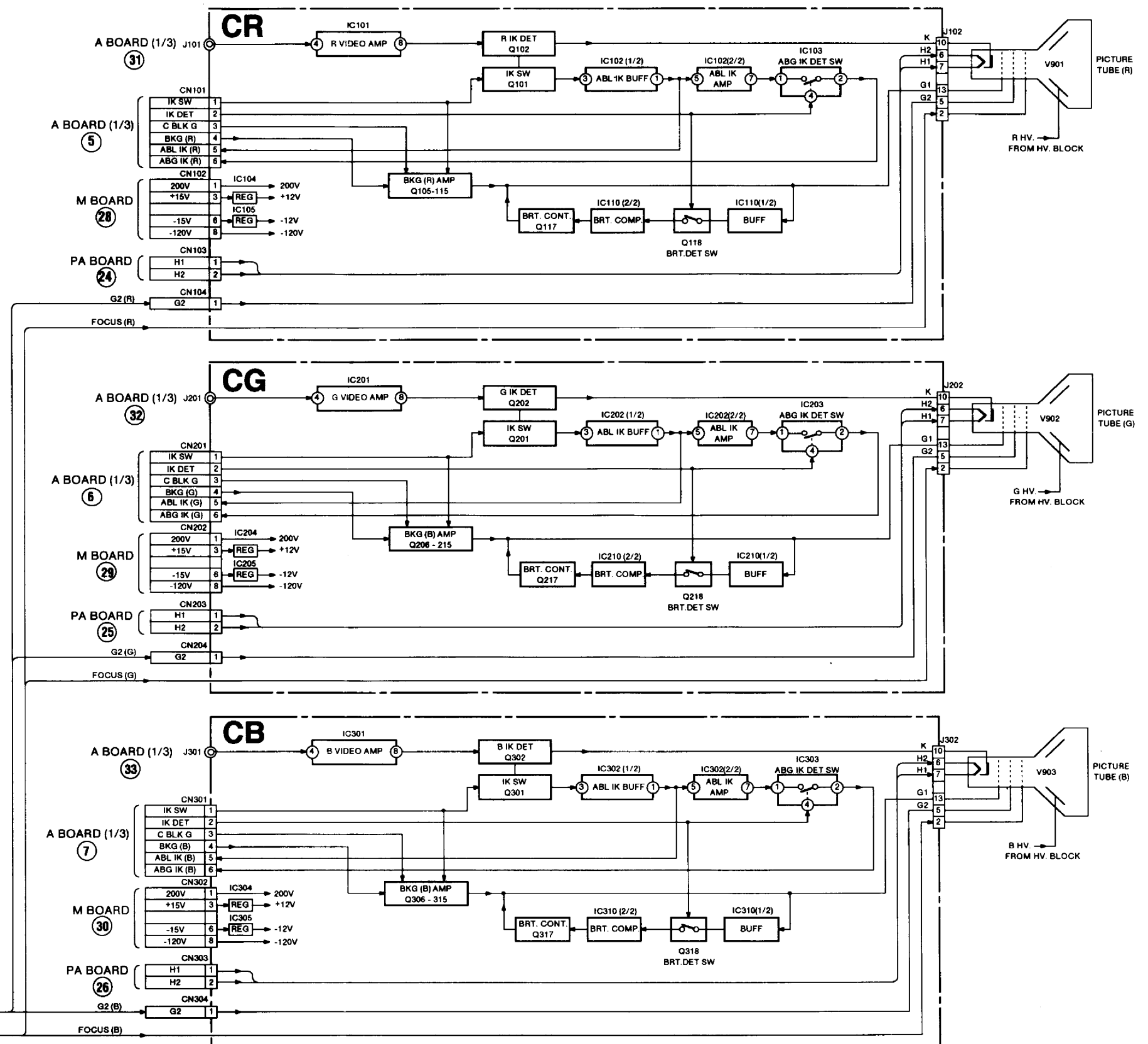
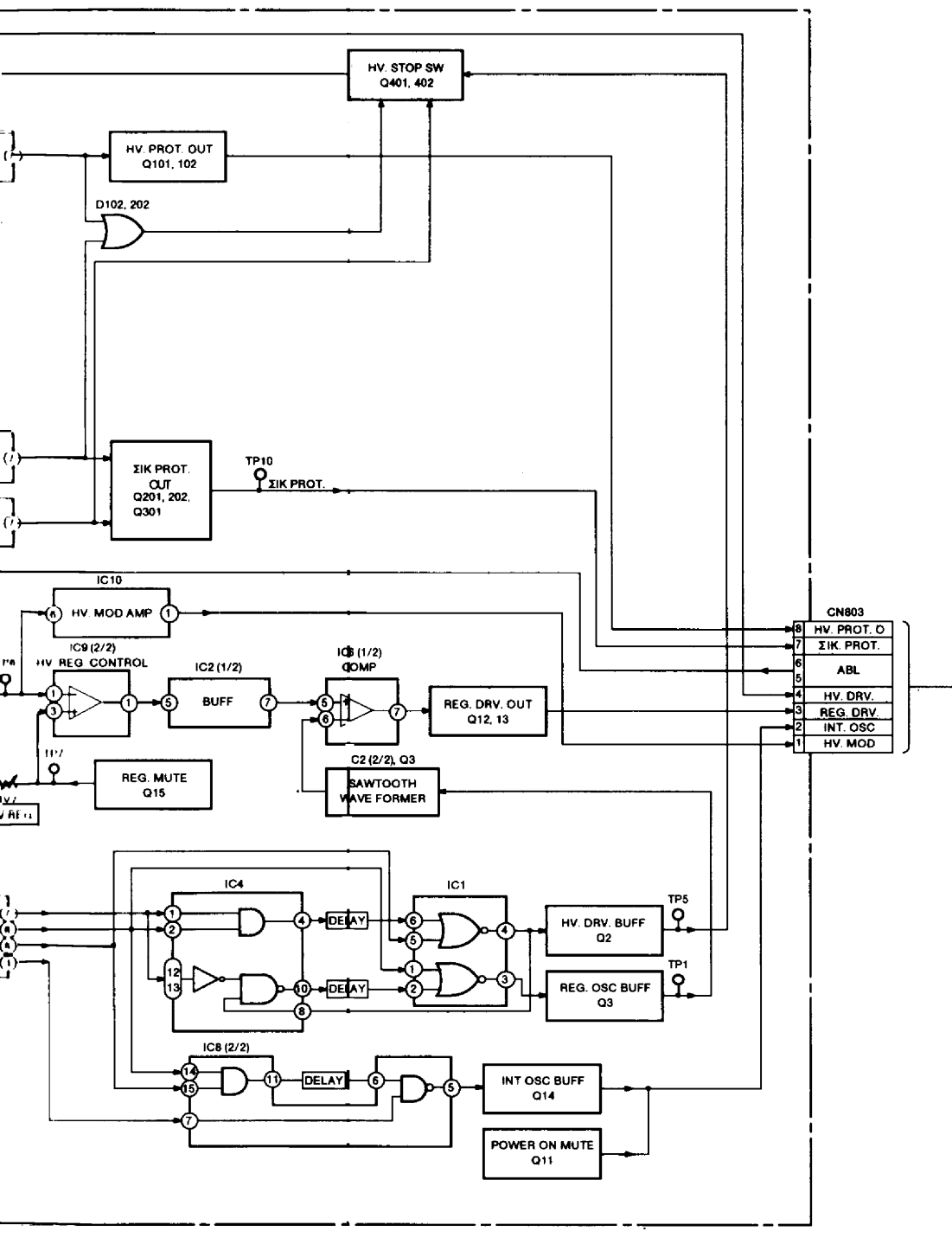
• PA, K, CR, CG and CB Board Block Diagrams



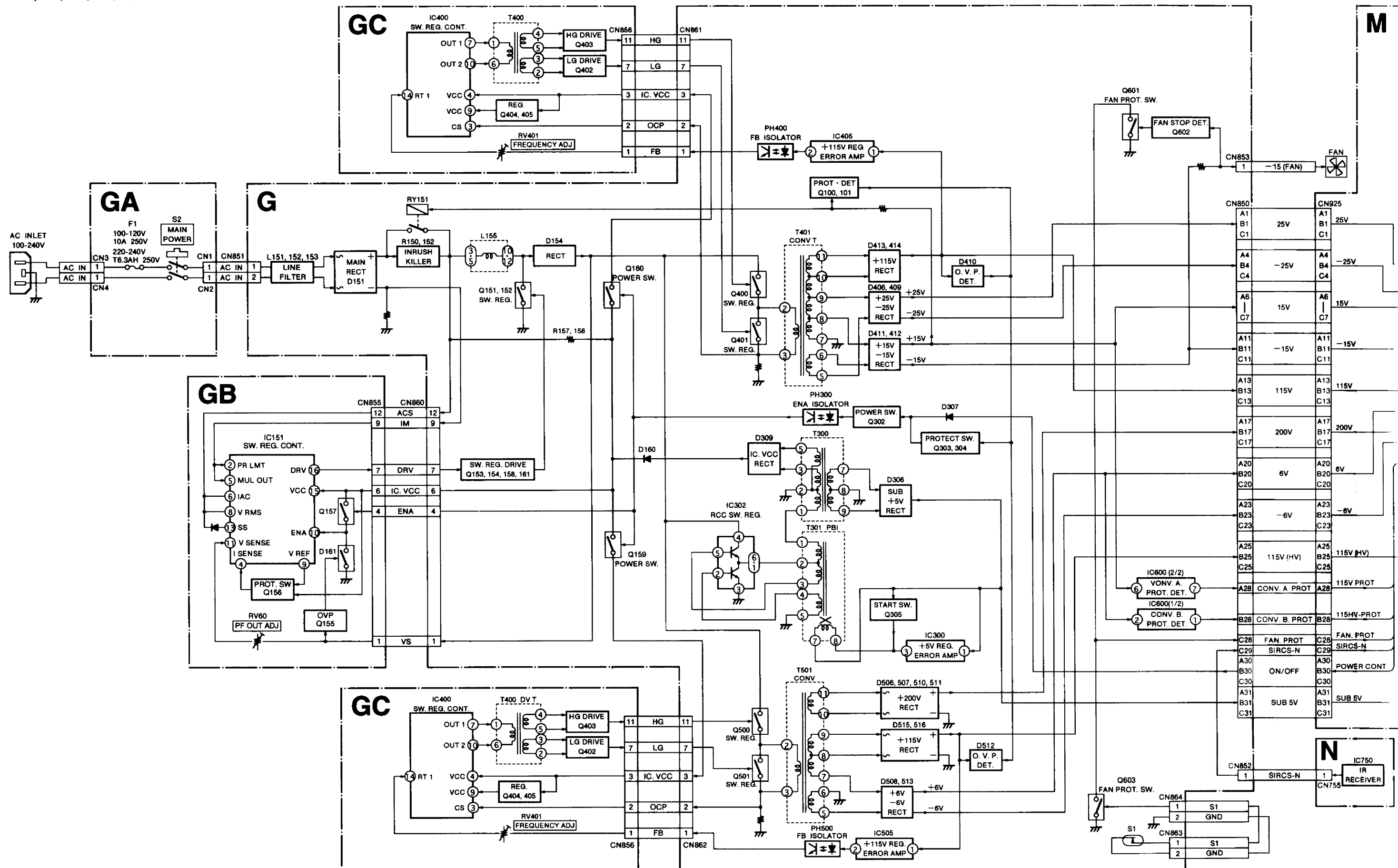
## Diagrams

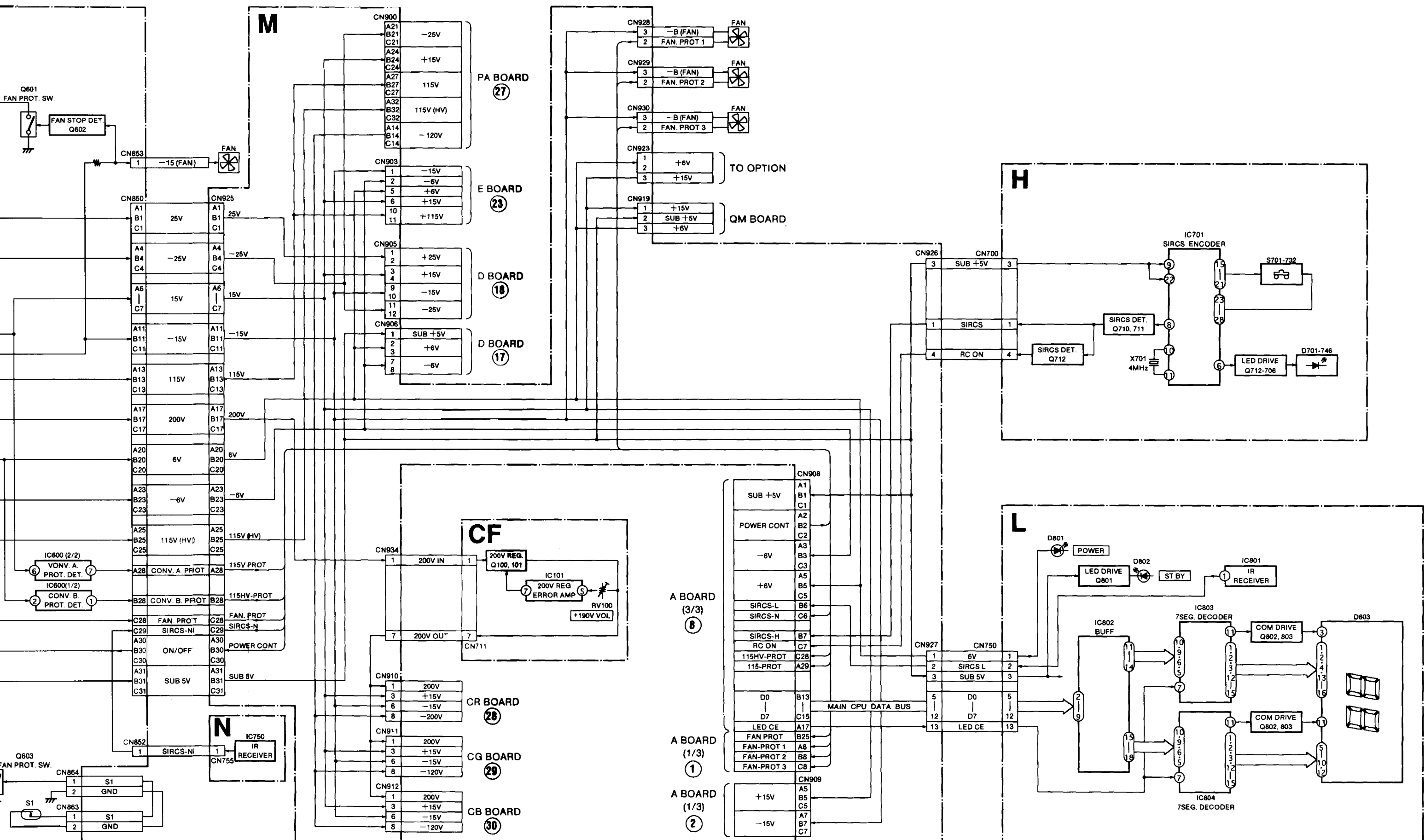




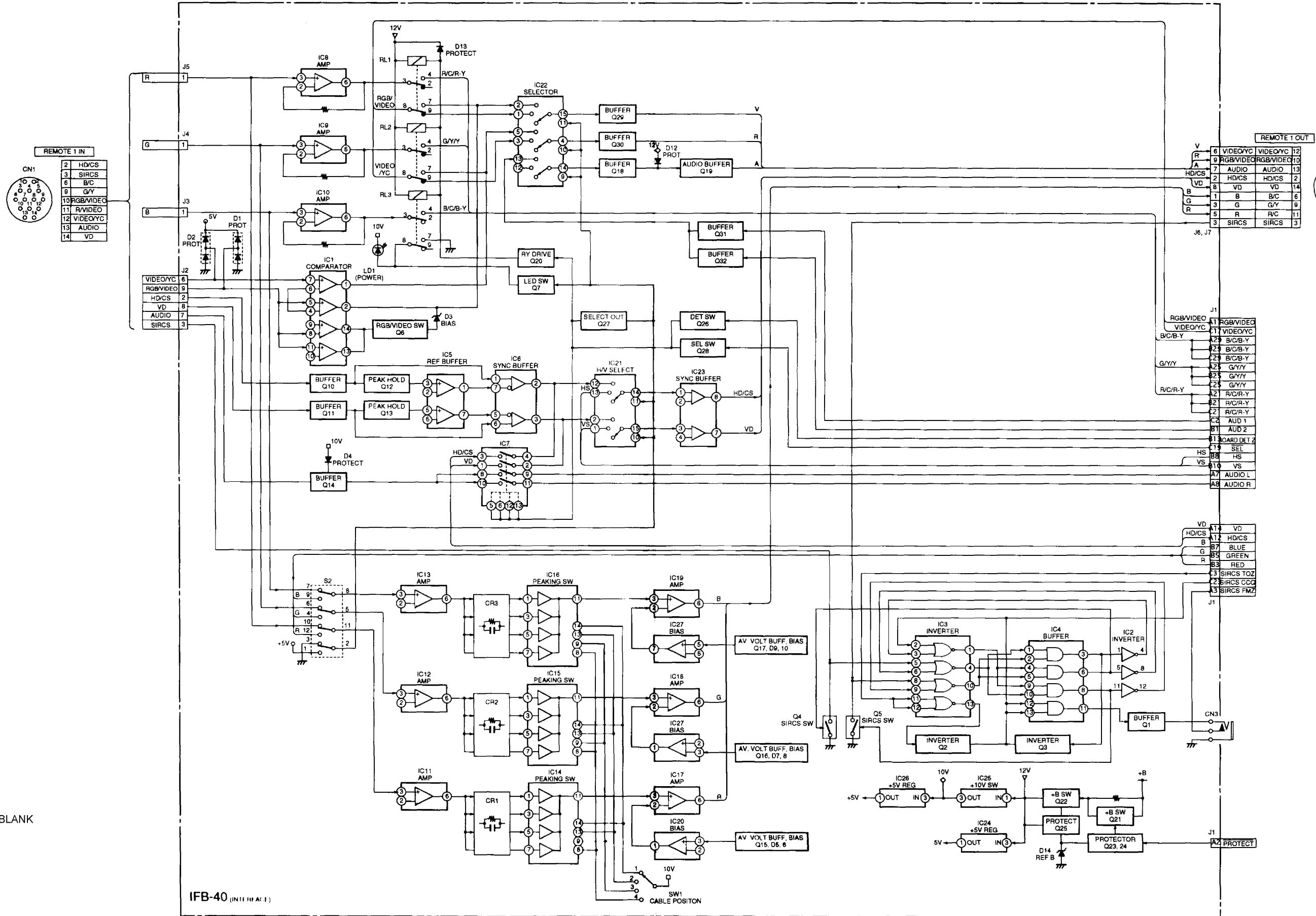


• G, GA, GB, GC, N, CF, H and L Board Block Diagrams





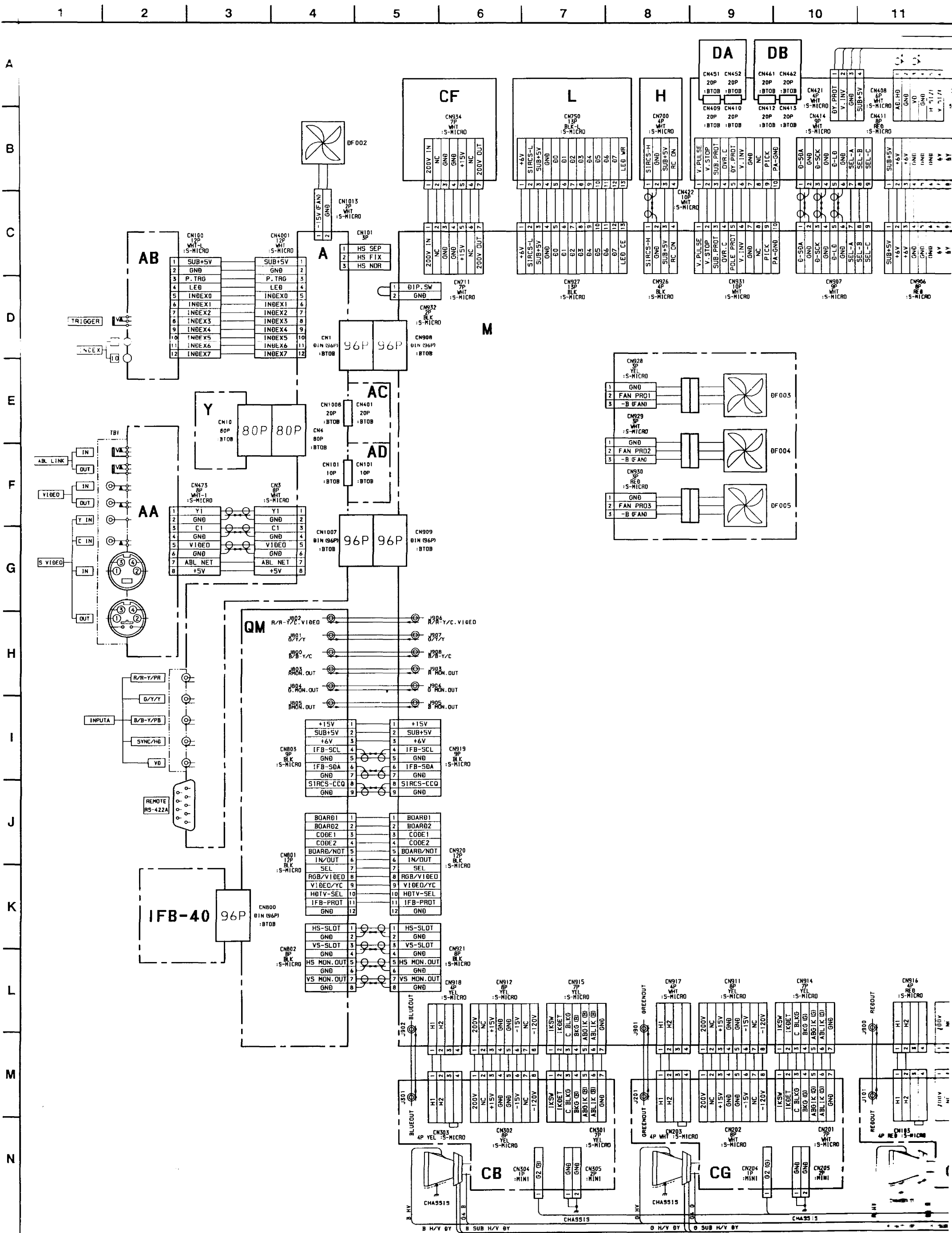
• IFB-40 Board Block Diagram



IFB-40 (INTERNAL)

PAGES 41- 42 BLANK

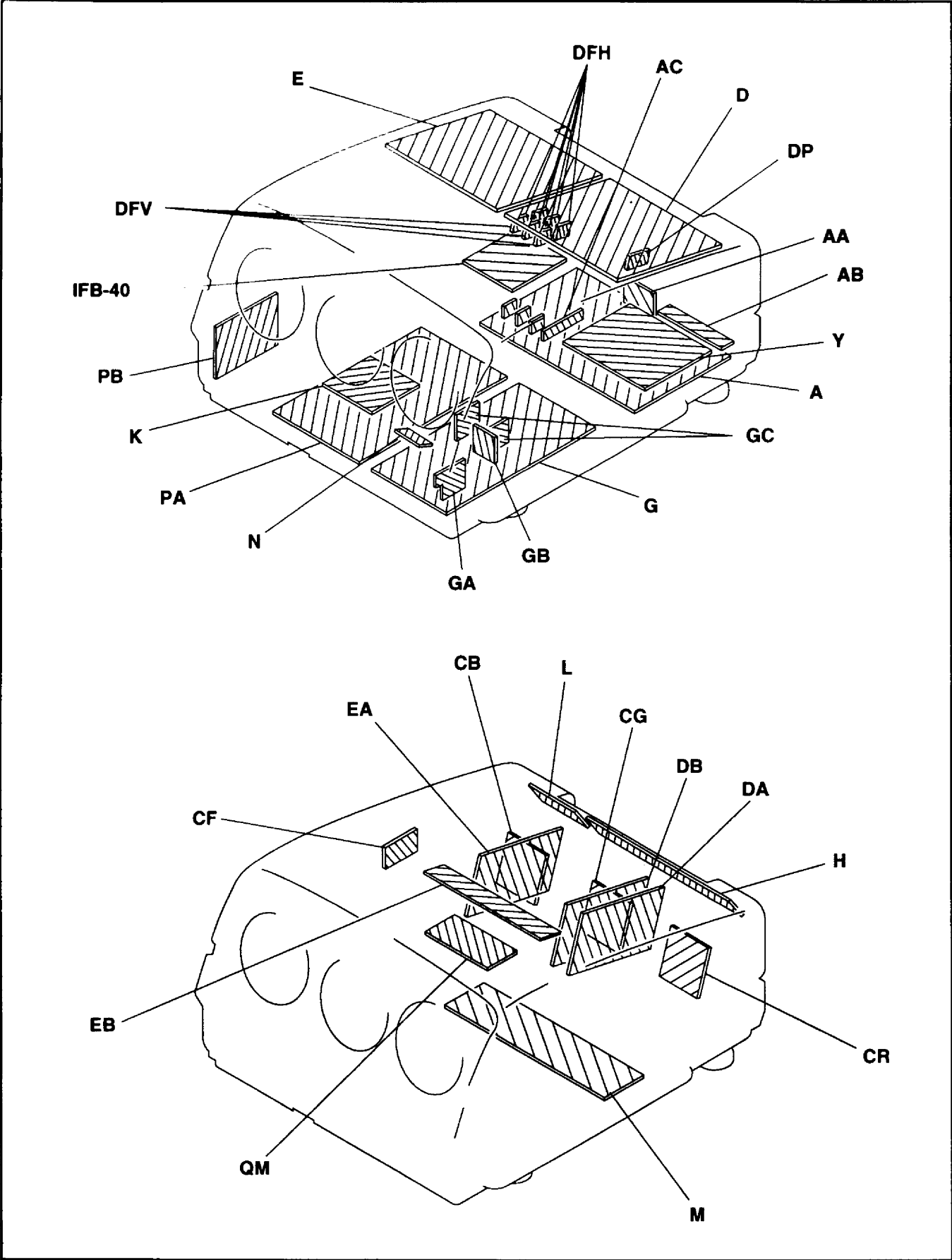
## 4.2. FRAME SCHEMATIC DIAGRAMS







4-3. CIRCUIT BOARDS LOCATION



4-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

- Note:**
- All capacitors are in  $\mu\text{F}$  unless otherwise noted. 50WV or less are not indicated except for electrolytics. pF:  $\mu\mu\text{F}$
  - Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm  
Rating electrical power 1/4W

- All resistors are in ohms.
- Chip resistor are 1/10W unless otherwise noted.
- : nonflammable resistor.
- : fusible resistor.
- $\Delta$  : internal component.
- : panel designation and Adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- METAL FILM (: RN) resistor in 0.5%, 1/4W unless otherwise specified.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved. (Refer to RV1, RV2 on page 3-13.)

Part replaced ()	Adjustment ()
IC101, D5, D101, D102, C101, R101, R102, R103, R104, R105, R106, R107, R108, R109, R110, R112, R113 ..... K board	RV1 (HOLD-DOWN)
IC1, IC2, IC4, IC6, IC7, IC8, IC9, IC11, R54, R55, R56, R57, R63, R64, R65, R72, R73, R74, X1 ..... K board	RV2 (HIGH VOLTAGE)

- All voltages are in V.
- Voltage variations may be noted due to normal production tolerance.
- Reading are taken with Composite Video and Component (R.G.B. HD, VD) signal input from color-bar pattern generator.
- Voltage are dc with respect to ground unless otherwise noted.
- no mark : Composite Video signal and comon
- ( ) : Component (R.G.B. HD, VD) signal
- : B+ line.
- : B- line.
- : signal path.
- Circled numbers are waveforms reference.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

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

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