

# SERVICE MANUAL

# BX1S CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KV-AZ21M60	RM-GA002	Thailand	SCC-V39E-A				
KV-AZ21M61	RM-GA002	GE	SCC-V44A-A				
KV-AZ21M83	RM-GA002	India	SCC-V06V-A				
KV-AZ21M91	RM-GA002	Russia	SCC-V13R-A				
KV-AZ21N60	RM-GA002	Philippines	SCC-V41D-A				

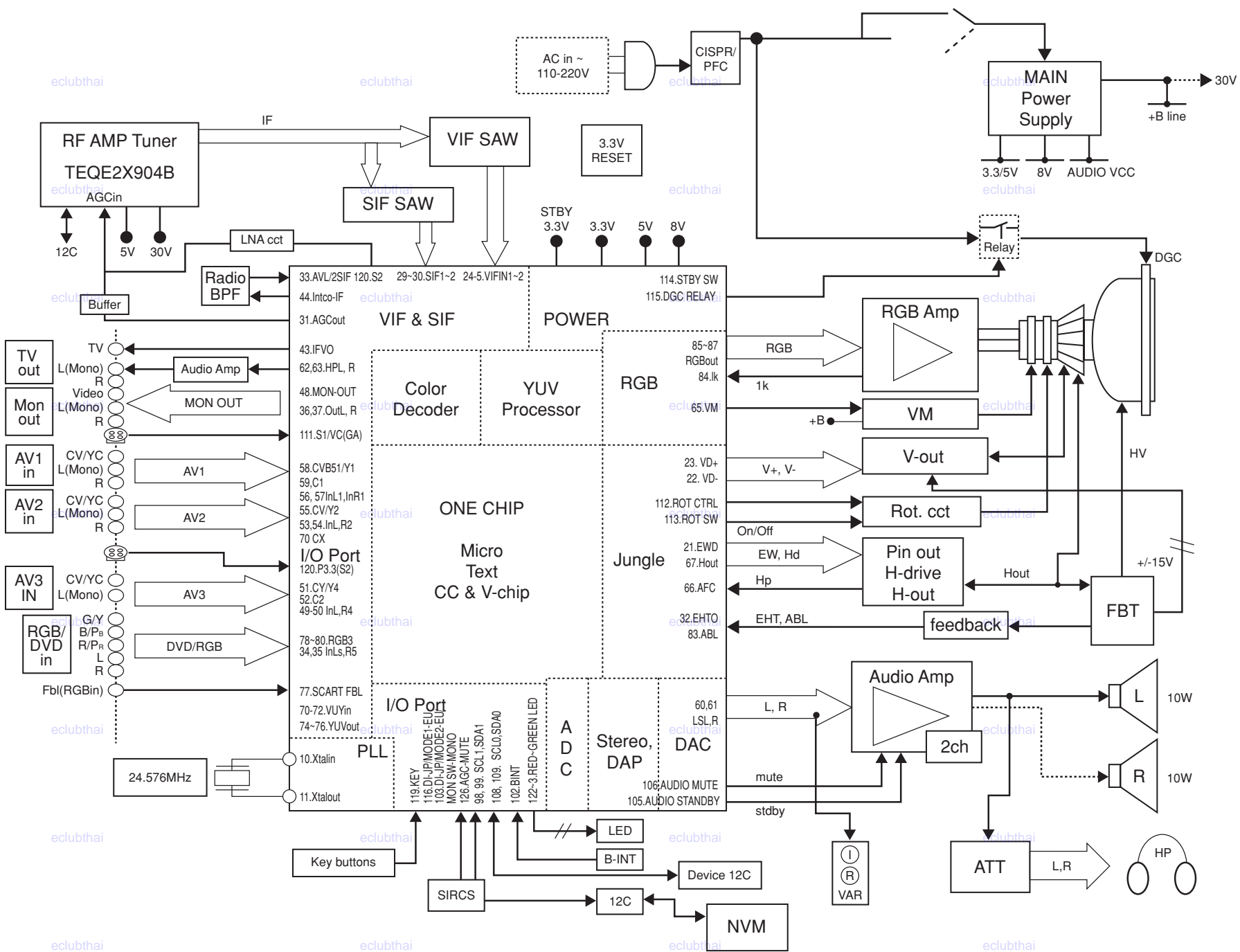


RM-GA002

TRINITRON® COLOR TV  
**SONY®**

# SECTION 4 DIAGRAMS

#### 4-1. BLOCK DIAGRAM



4-2. CIRCUIT BOARDS LOCATION









4-3. SCHEMATIC DIAGRAM INFORMATION

Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.
- All electrolytic capacitors are rated at 50V unless otherwise noted.
- All resistors are in ohms.  
 $\text{k}\Omega = 1000\Omega$ ,  $\text{M}\Omega = 1000\text{k}\Omega$
- Indication of resistance which does not have rating electrical power is as follows.

Pitch: 5 mm  
Rating electrical power 1/4W (CHIP: 1/10W)

-  : nonflammable resistor.
-  : fusible resistor
- $\Delta$  : internal component.
-  : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B unless otherwise noted.
- Readings are taken with a color-bar signal input.  
no mark : Common  
( ) : PAL  
[ ] : NTSC 3.58
- Readings are taken with a 10  $\text{M}\Omega$  digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltage are in Volt.
- \* : Cannot be measured.
- Circled numbers are waveform references.
-  : B +bus.
-  : B -bus.
-  : signal path.

Note: The reference number which starts with Wxxx (eg: W003) indicates a wire to wire connection.

Note: Components marked as XX are not fitted on this model.

Reference information

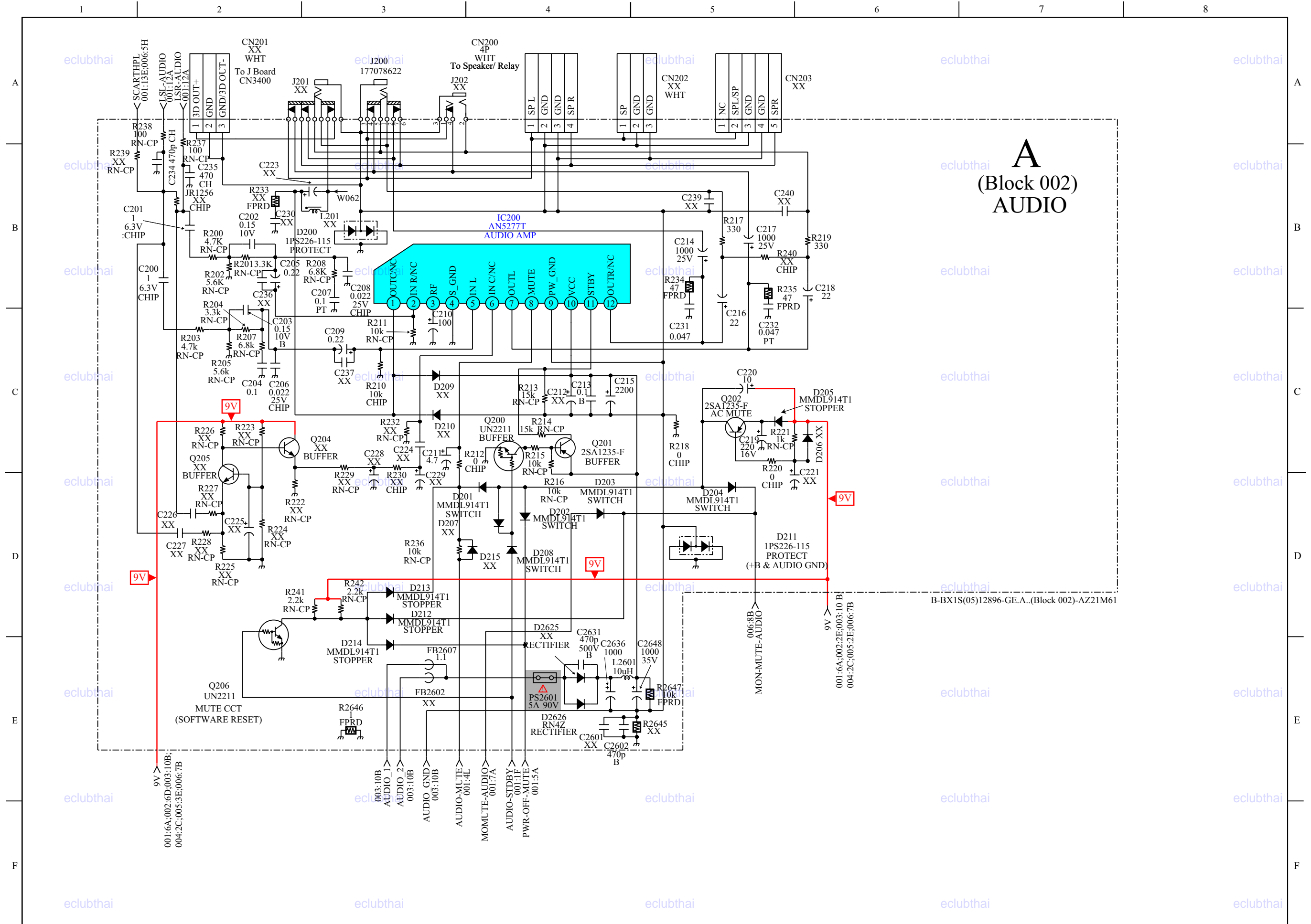
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL
		OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE
		WIREWOUND
	: *	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR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

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

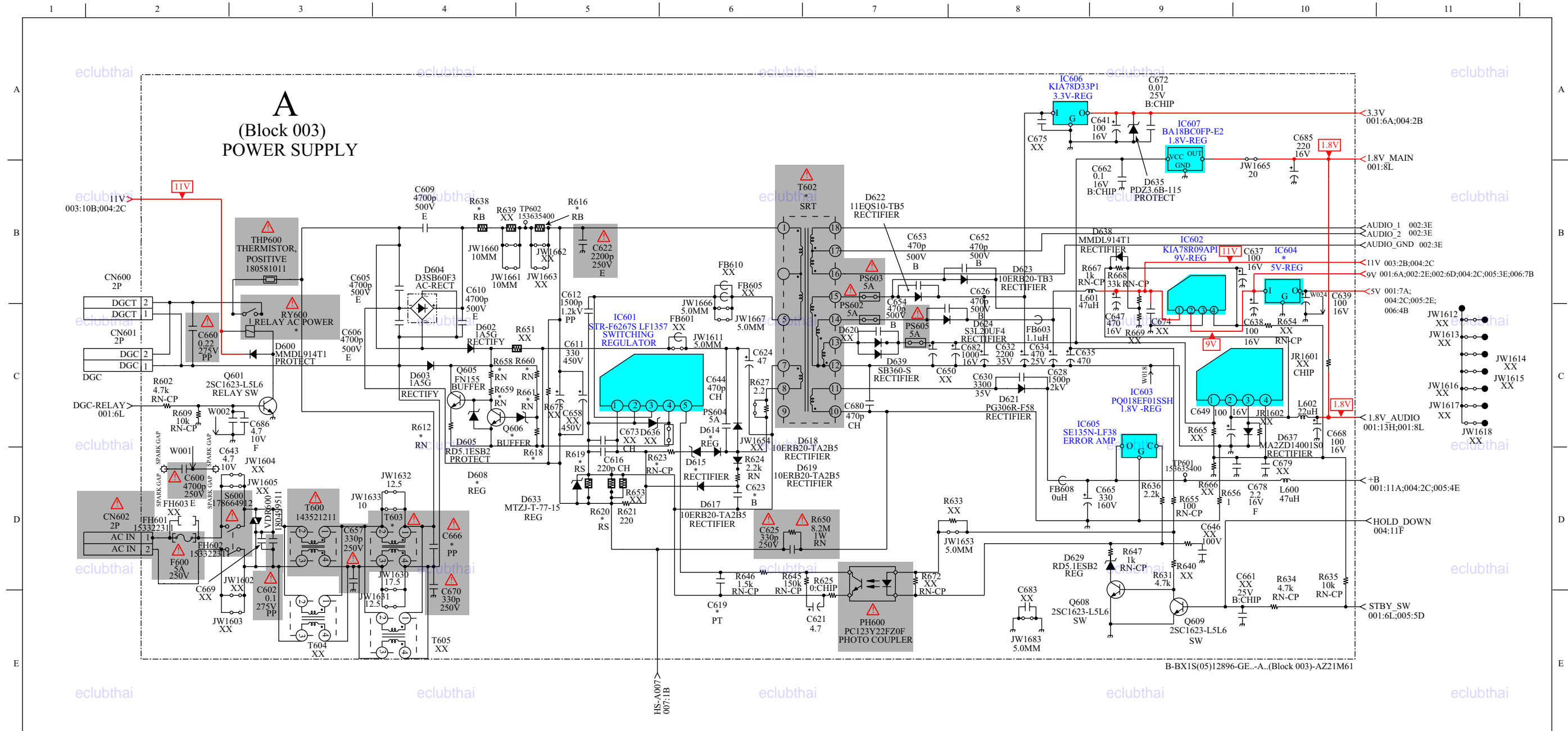
Note: "A" board schematic diagram is divided into 7 blocks. Each block is named by its function and block "number". eg: Processor (Block 001)  
Joint connection between boards can be identified using the block number followed by the grid's guide.  
eg: -<PWR-OFF MUTE  
002 : 4E  
Meaning: Block 001 joint "PWR-OFF MUTE" is connected to Block 002 joint "PWR-OFF MUTE" located at grid 4E.



A  
 (Block 002)  
 AUDIO

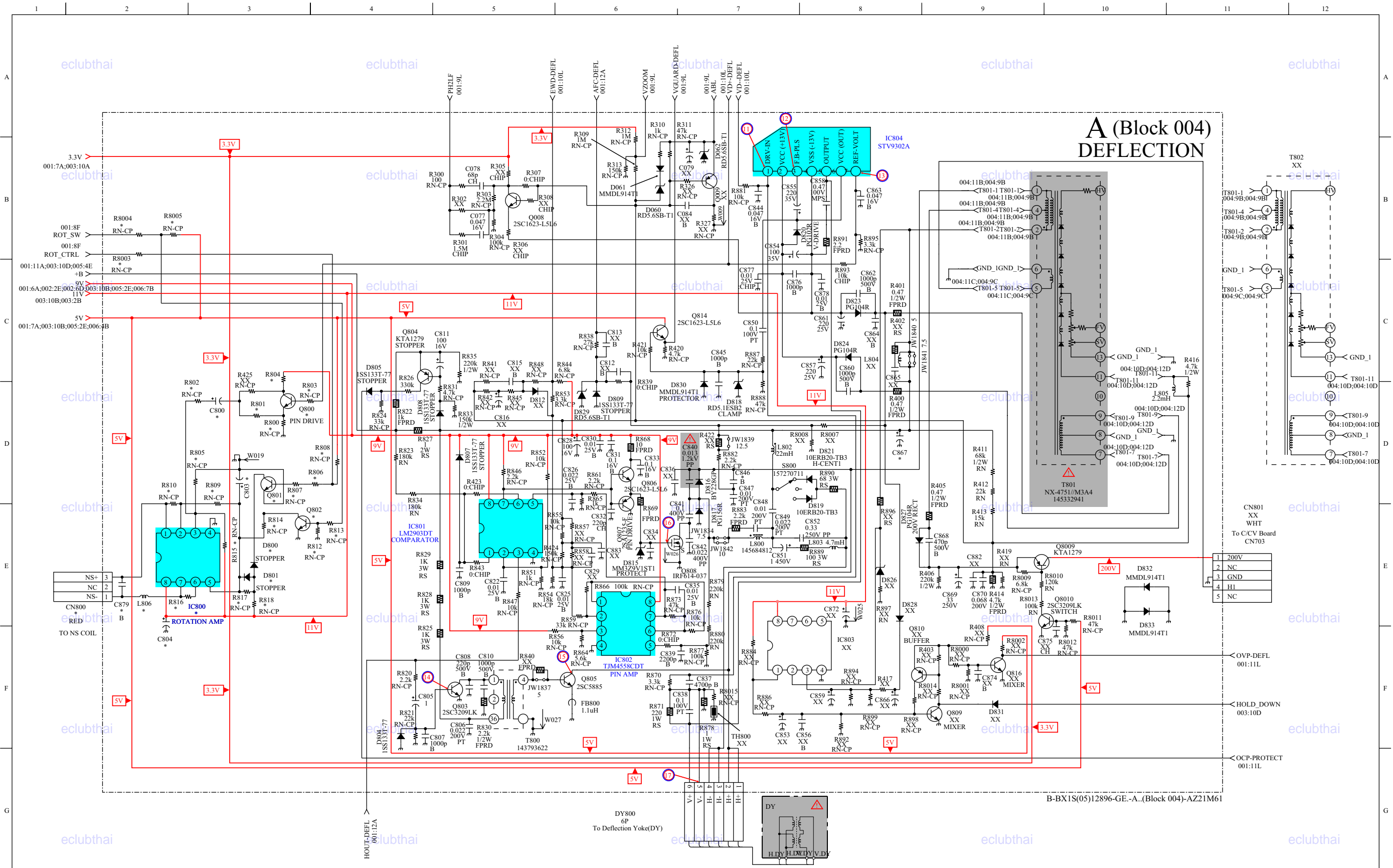


## 4-3-3. A Board — (Block 003)

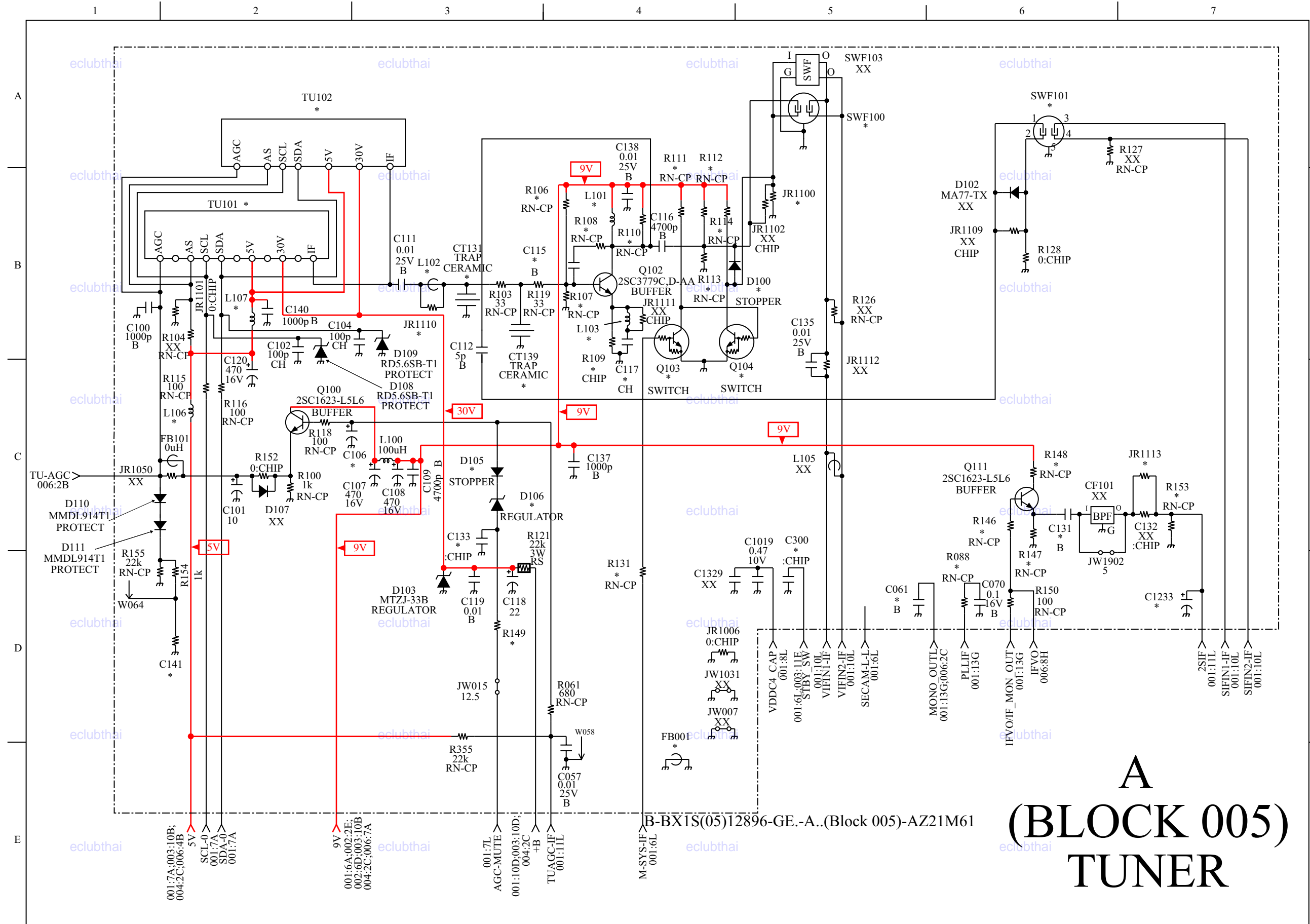




## 4-3-4. A Board — (Block 004)



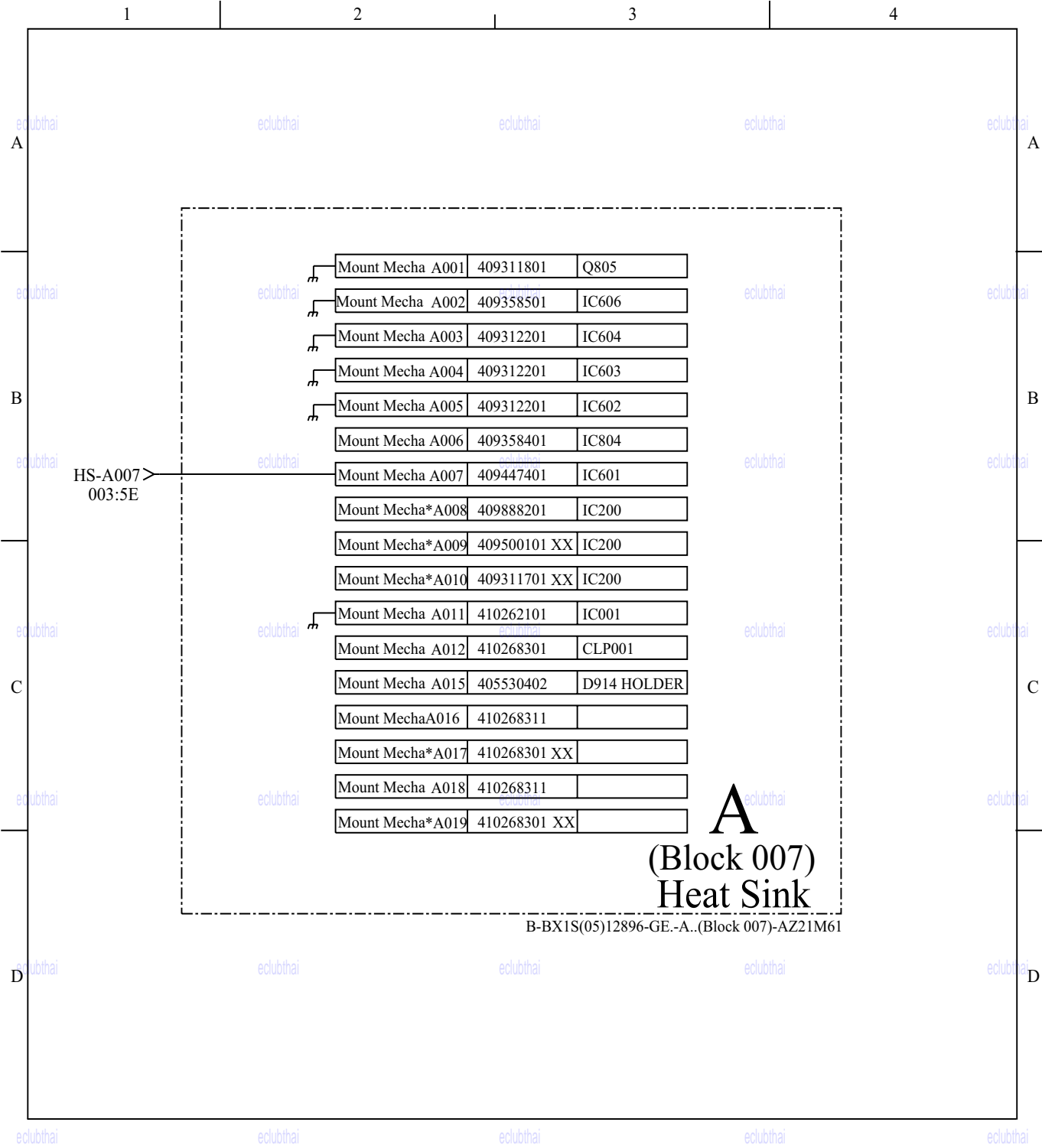
#### 4-3-5. A Board — (Block 005)







4-3-7. A Board — (Block 007)



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