

SCHEMATIC DIAGRAM

**MODEL : 21A3E / 21A3TR
21A3M / 21A3MJ**

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols " $\triangle$ " in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon composition of 1/2 watt
1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
K = $\pm 10\%$ G = $\pm 2\%$ F = $\pm 1\%$
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF , and the values more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted as the following marks.
 Electrolytic capacitor  Mylar capacitor
3. The parts indicated with " $\triangle$ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassis ground, using a color bar signal with all controls at normal, line voltage 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary $\pm 20\%$ except H.V.

SCHEMATIC DIAGRAM

MODEL : 21A3E / 21A3TR
21A3M / 21A3MJ

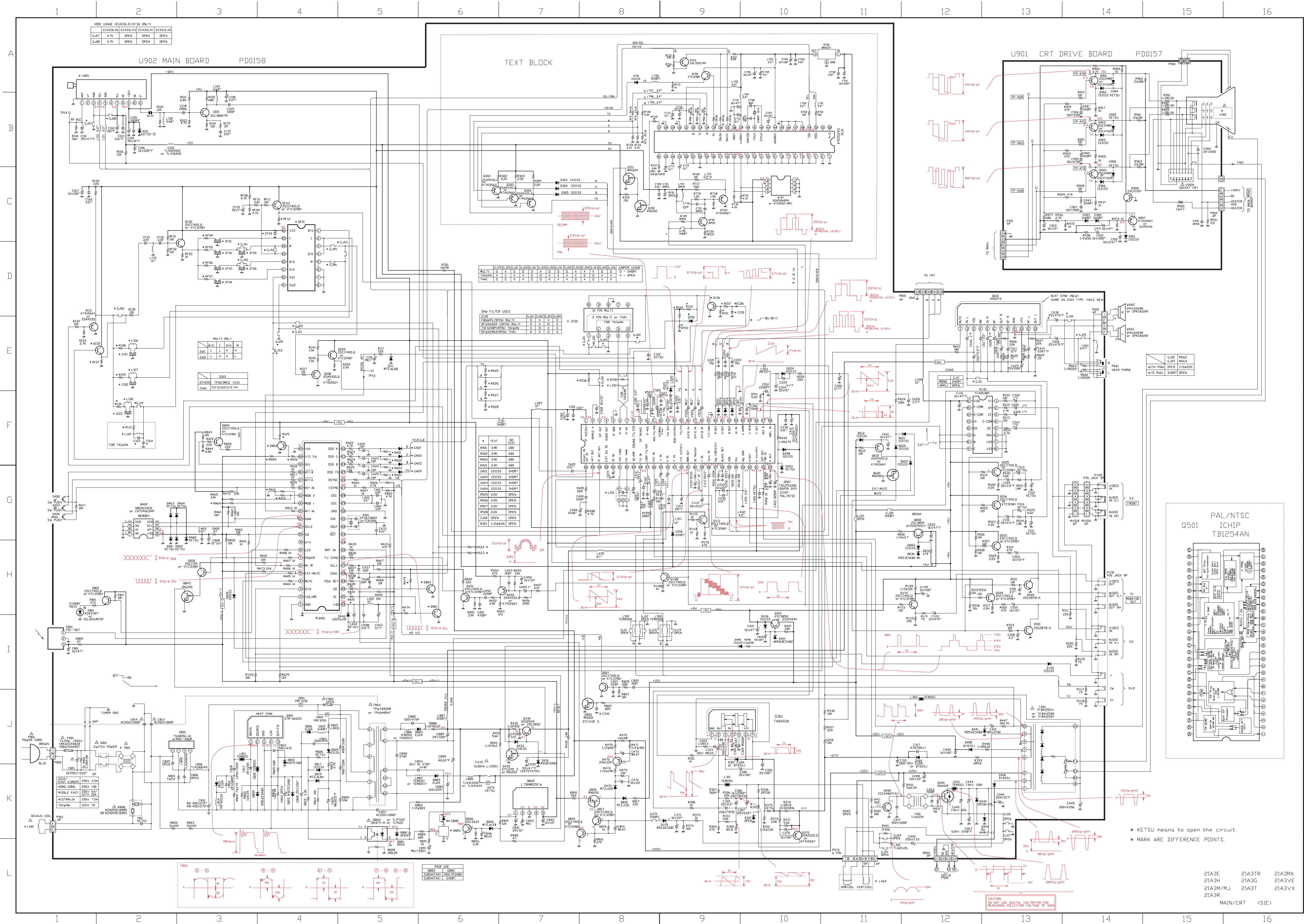
WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "△" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

NOTE:

- RESISTOR**
Resistance is shown in ohm [K = 1,000, M = 1,000,000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
1/2R = Metal or Metal oxide of 1/2 watt
1RF = Fuse resistor of 1 watt
K = ±10% G = ±2% F = ±1%
Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in pF, and the values more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted as the following marks.
—|— Electrolytic capacitor
—|— Mylar capacitor
- CAPACITOR**
The parts indicated with "△" have special characteristics, and should be replaced with identical parts only.

- Voltages read with DIGITAL MULTI-METER from point indicated to chassis ground, using a color bar signal with all controls at normal, line voltage 220 volts.
- Waveforms are taken receiving color bar signal with enough sensitivity.
- Voltage reading shown are nominal values and may vary ±20% except H.V.



1

2

3

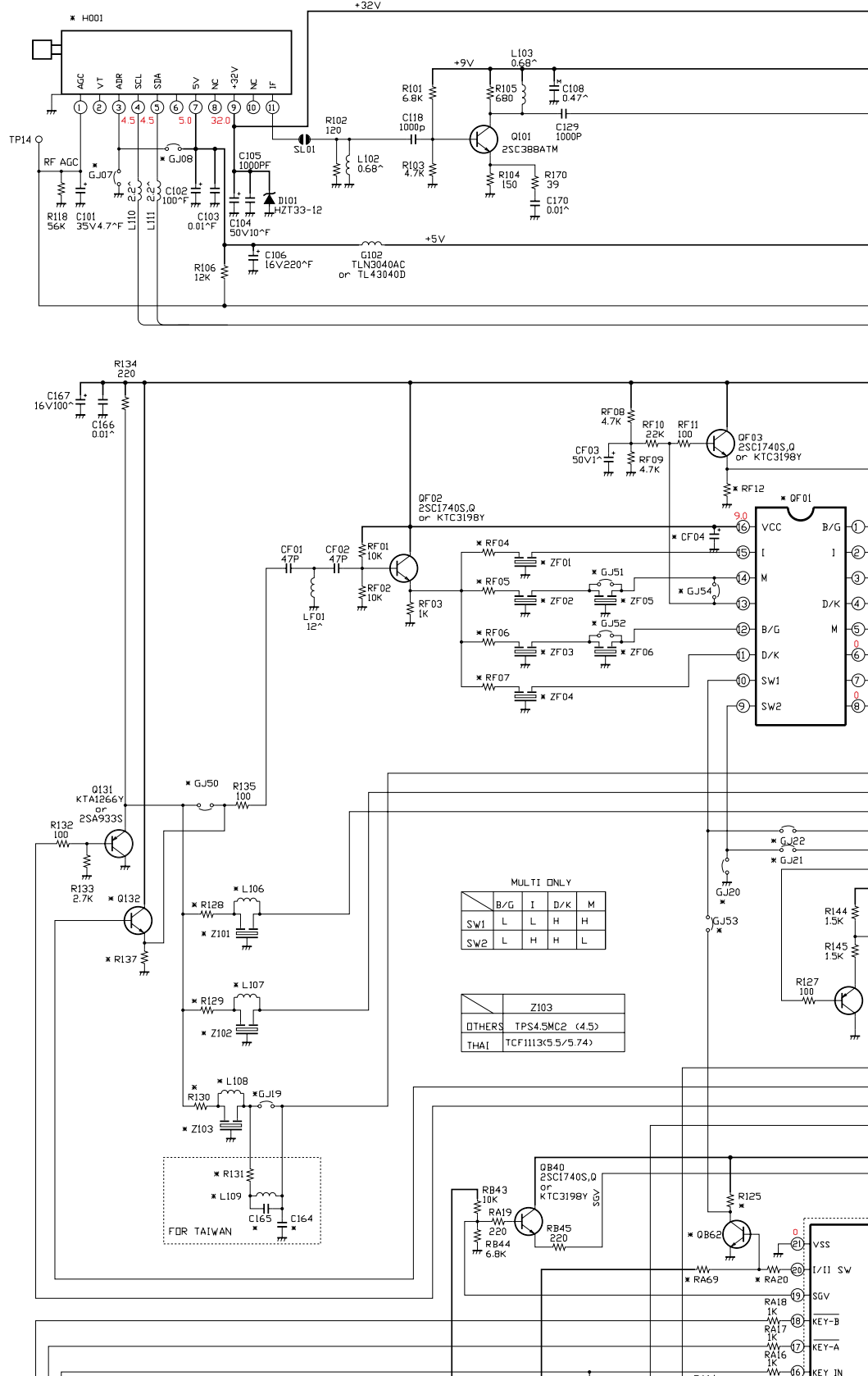
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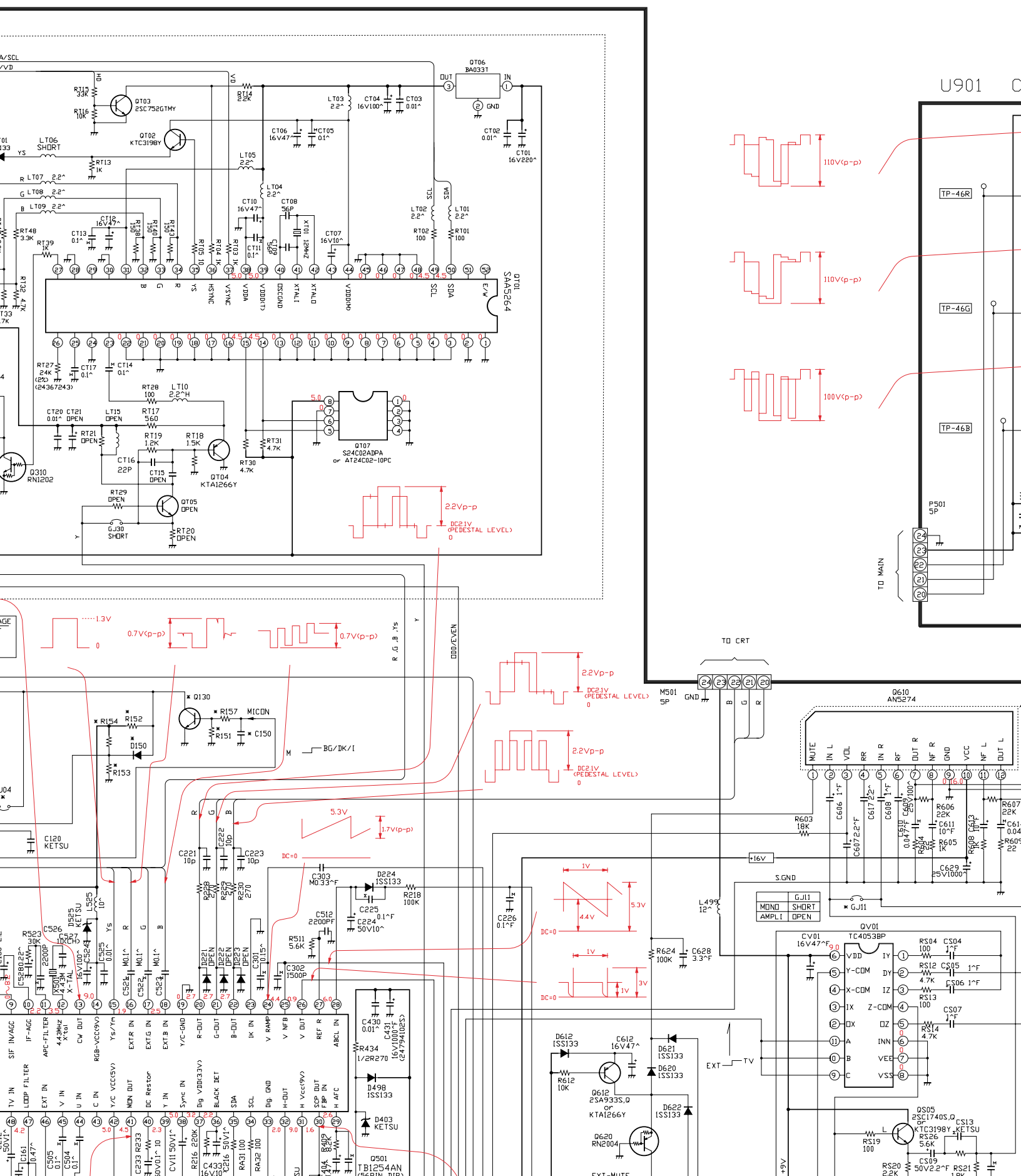
H001 USAGE (ECA33LX1/2/36 ONLY)

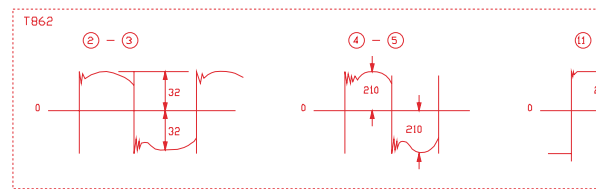
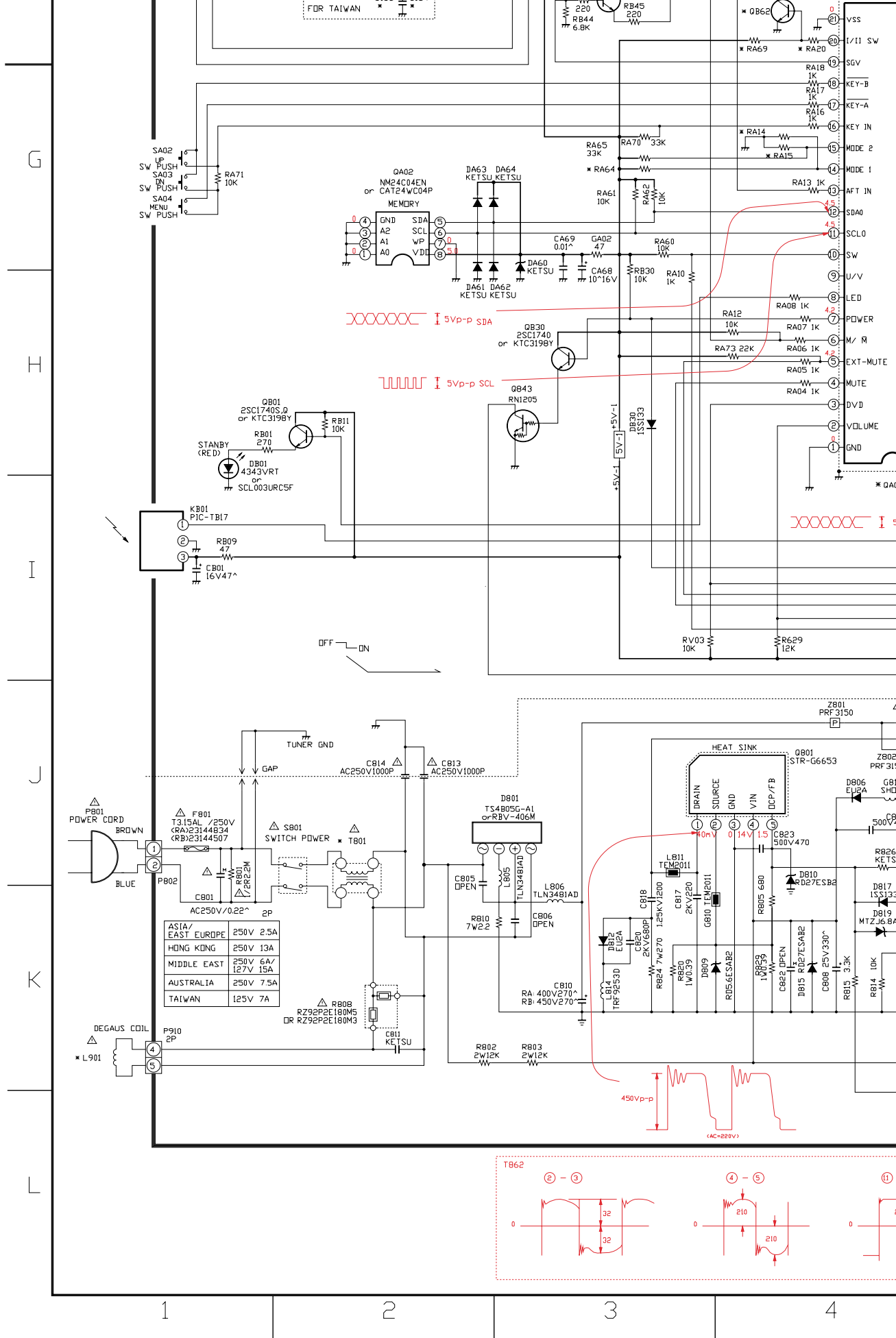
	ECA33LX6	ECA33LX3	ECA33LX1	ECA33LX2
GJ07	4.7K	OPEN	OPEN	OPEN
GJ08	4.7K	OPEN	OPEN	OPEN

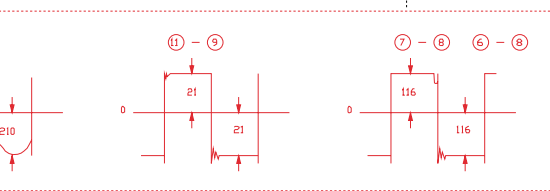
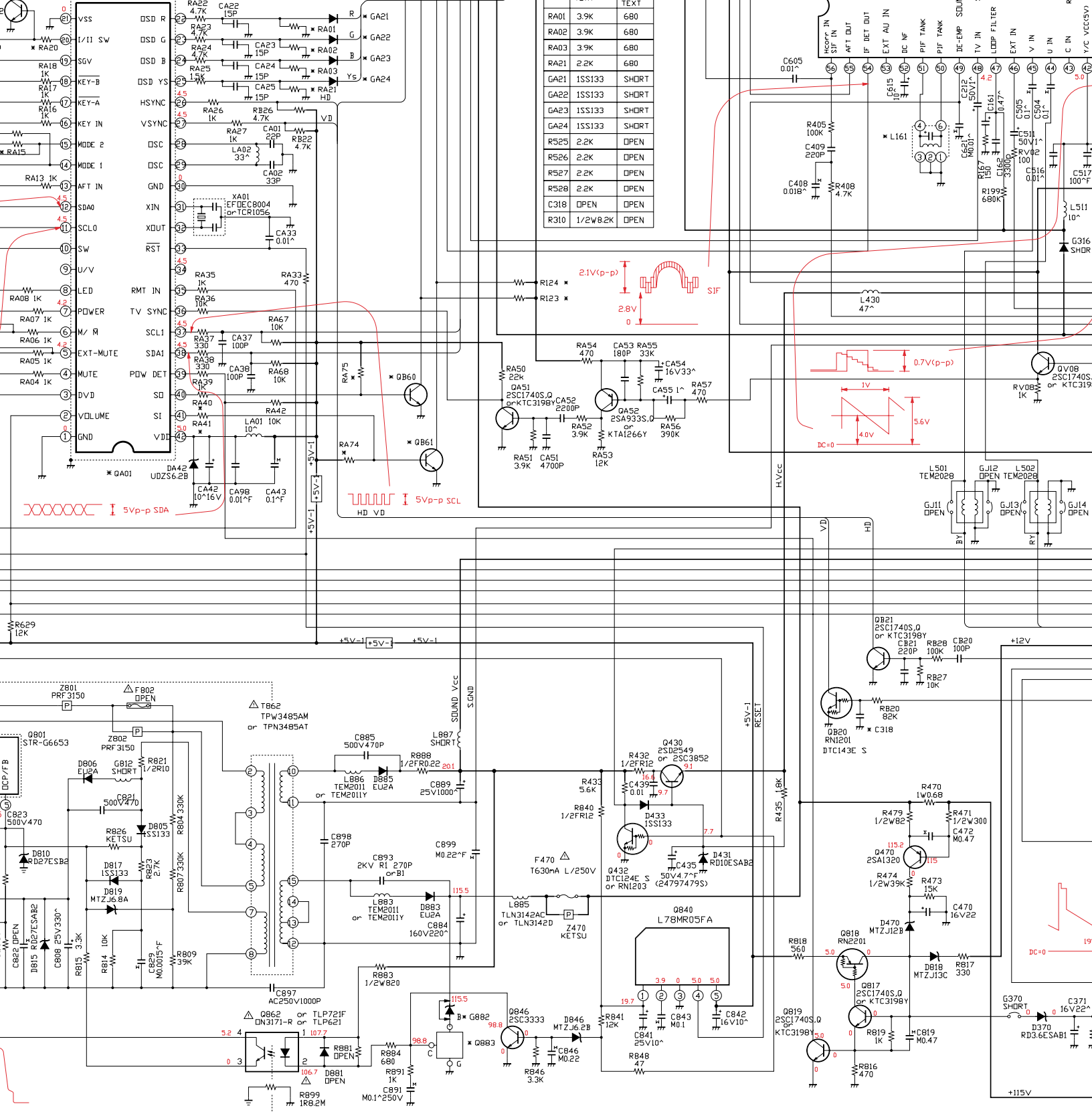
U902 MAIN BOARD

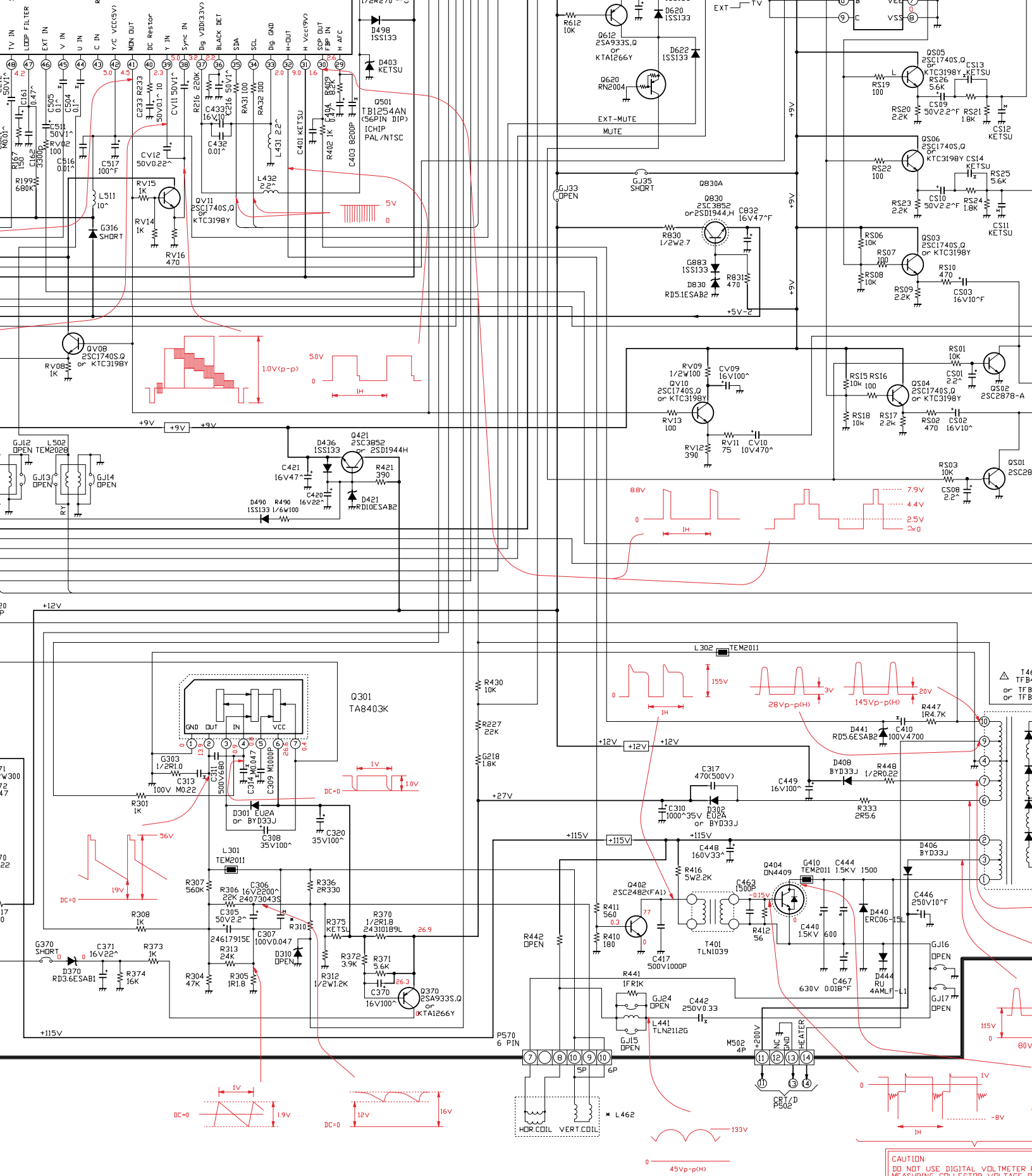
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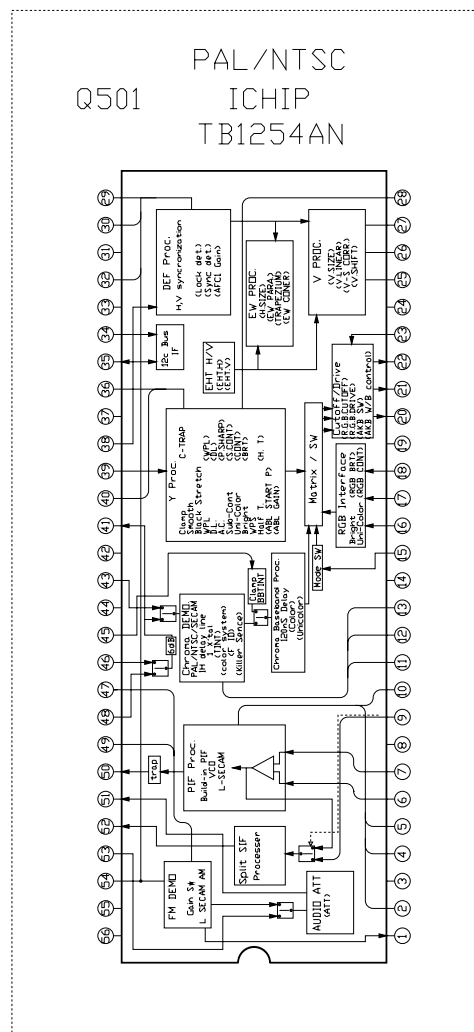












- * MARK ARE DIFFERENCE POINTS.

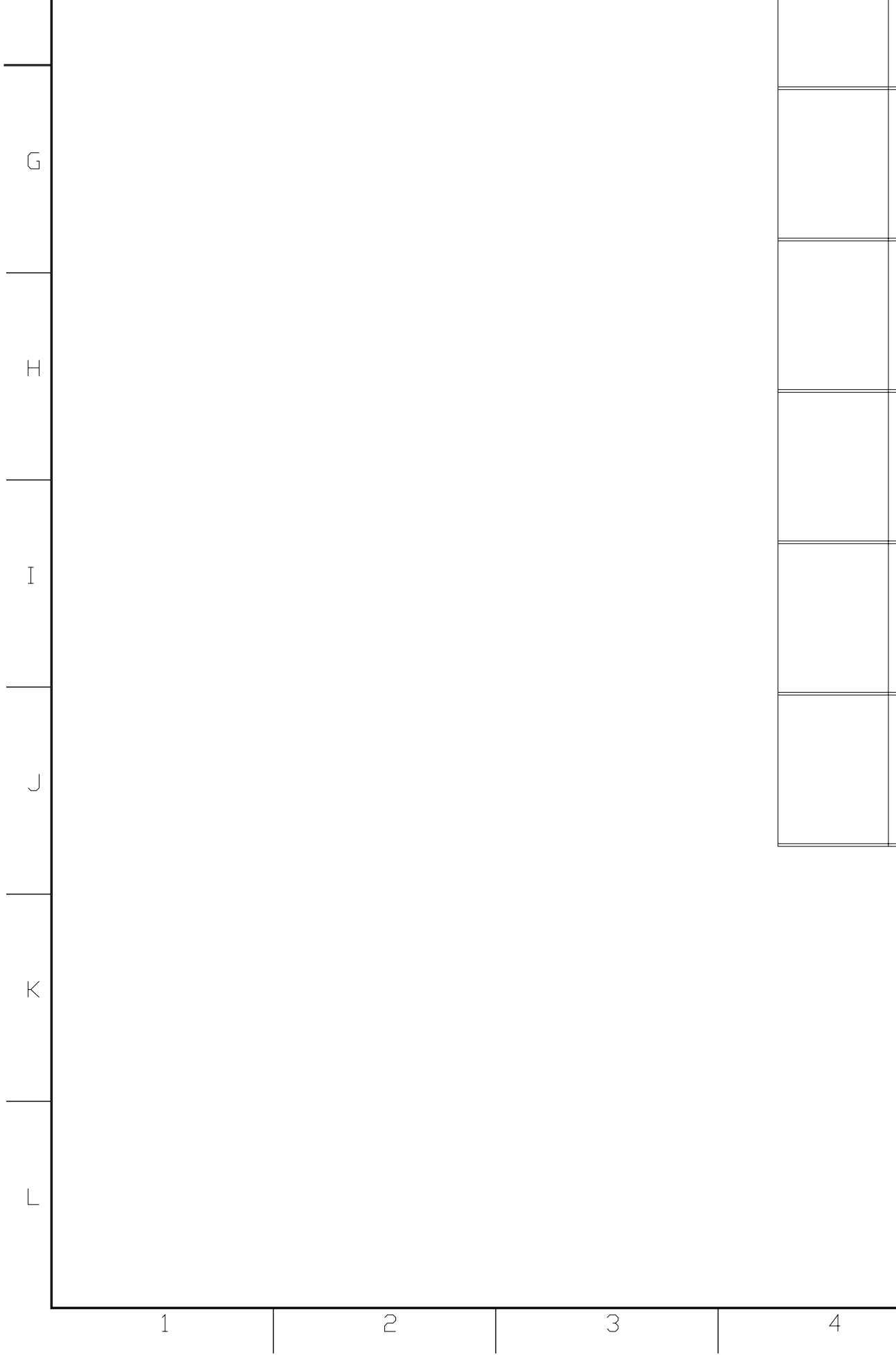
21A3E	21A3TR	21A3MX
21A3H	21A3G	21A3VE
21A3M/MJ	21A3T	21A3VX
21A3R		

MAIN/CRT (S1E)

[illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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	1	2	3	4
A				
B				
C				
D				
E				
F				



S1E
* MA

21A3 SERIES (S1E)
21A3E
21A3H
21A3M/MJ
21A3TR
21A3G
21A3T
21A3MX
21A3VE
21A3VX
21A3R

[illegible]

