

JVC

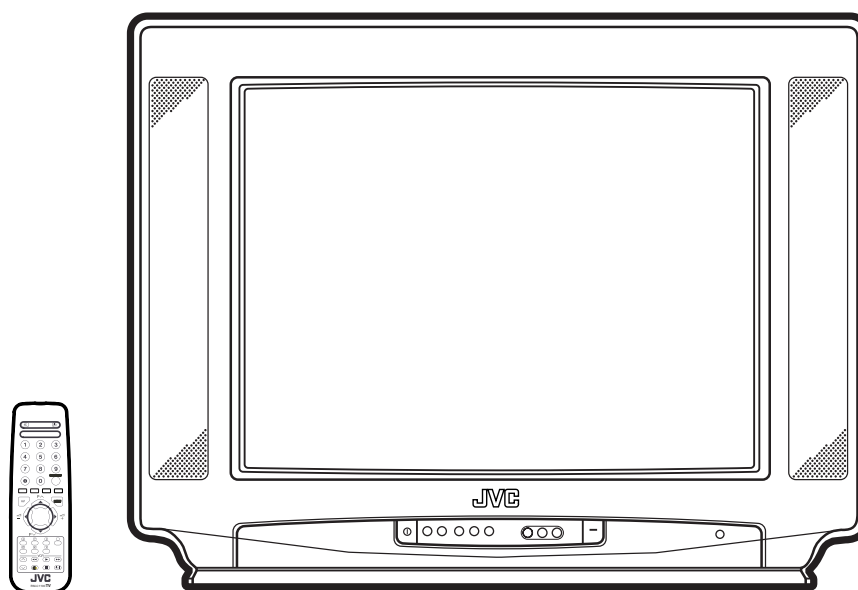
SCHEMATIC DIAGRAMS

COLOUR TELEVISION

AV-25BT6ENS

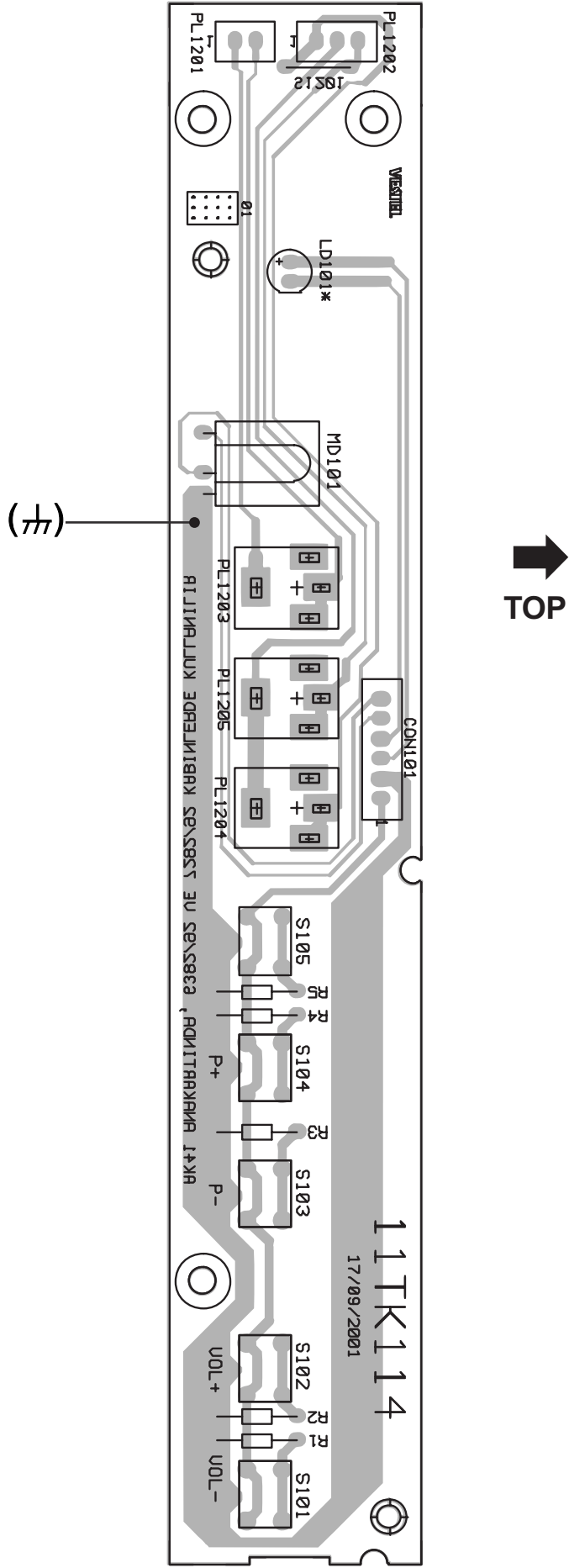
AV-25BT6ENB

CD-ROM No.SML200207



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AV-25BT6ENS, AV-25BT6ENB

STANDARD CIRCUIT DIAGRAM

NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time :H \Rightarrow 20 μ S/div
:V \Rightarrow 5mS/div
:Others \Rightarrow Sweeping time is specified
- (5)Voltage values :All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit :[Ω]
- K :[K Ω]
- M :[M Ω]

● Type

- No indication :Carbon resistor
- OMR :Oxide metal film resistor
- MFR :Metal film resistor
- MPR :Metal plate resistor
- UNFR :Uninflamable resistor
- FR :Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher :[pF]
- less than 1 :[μ F]

● Withstand voltage

- No indication :DC50[V]
- Others :DC withstand voltage [V]
- AC indicated :AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]:Capacitance value [μ F]/withstand voltage[V]

● Type

- No indication :Ceramic capacitor
- MM :Metalized mylar capacitor
- PP :Polypropylene capacitor
- MPP :Metalized polypropylene capacitor
- MF :Metalized film capacitor
- TF :Thin film capacitor
- BP :Bipolar electrolytic capacitor
- TAN :Tantalum capacitor

(3)Coils

- No unit :[μ H]
- Others :As specified

4.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE side GND and the ISOLATED(NEUTRAL) side GND.Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◇ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.
When ordering parts, please use the numbers that appear in the Parts List.

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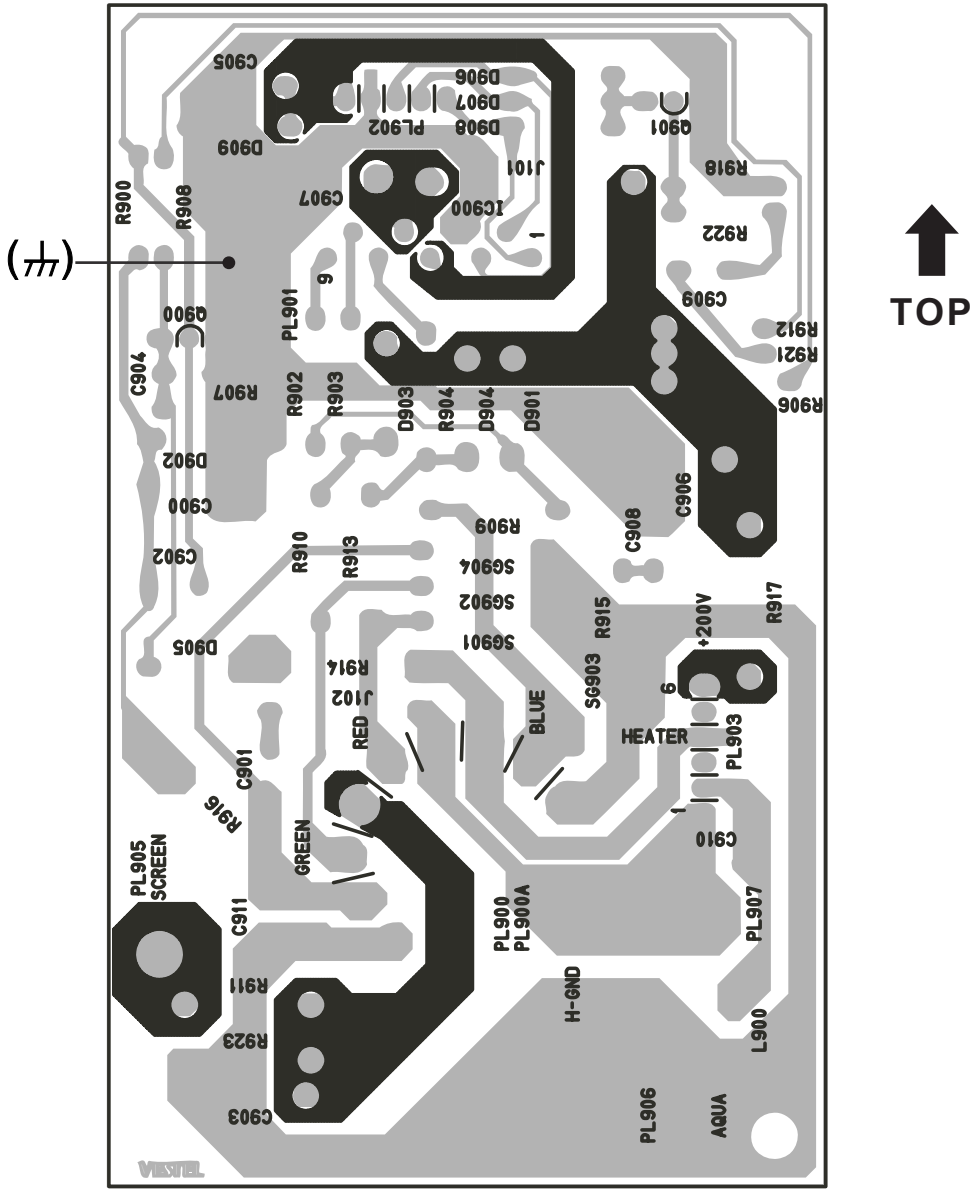
SEMICONDUCTOR SHAPES

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR

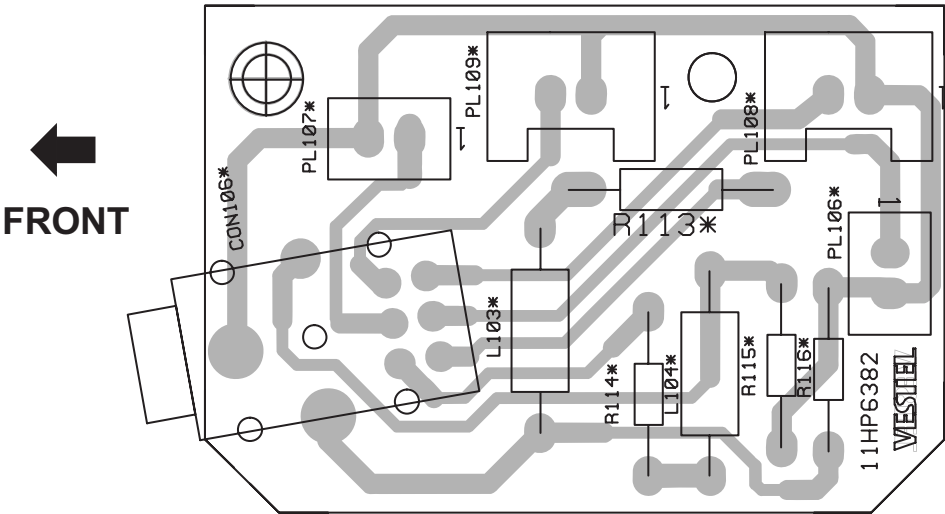
BOTTOM VIEW	FRONT VIEW			TOP VIEW

CHIP IC		

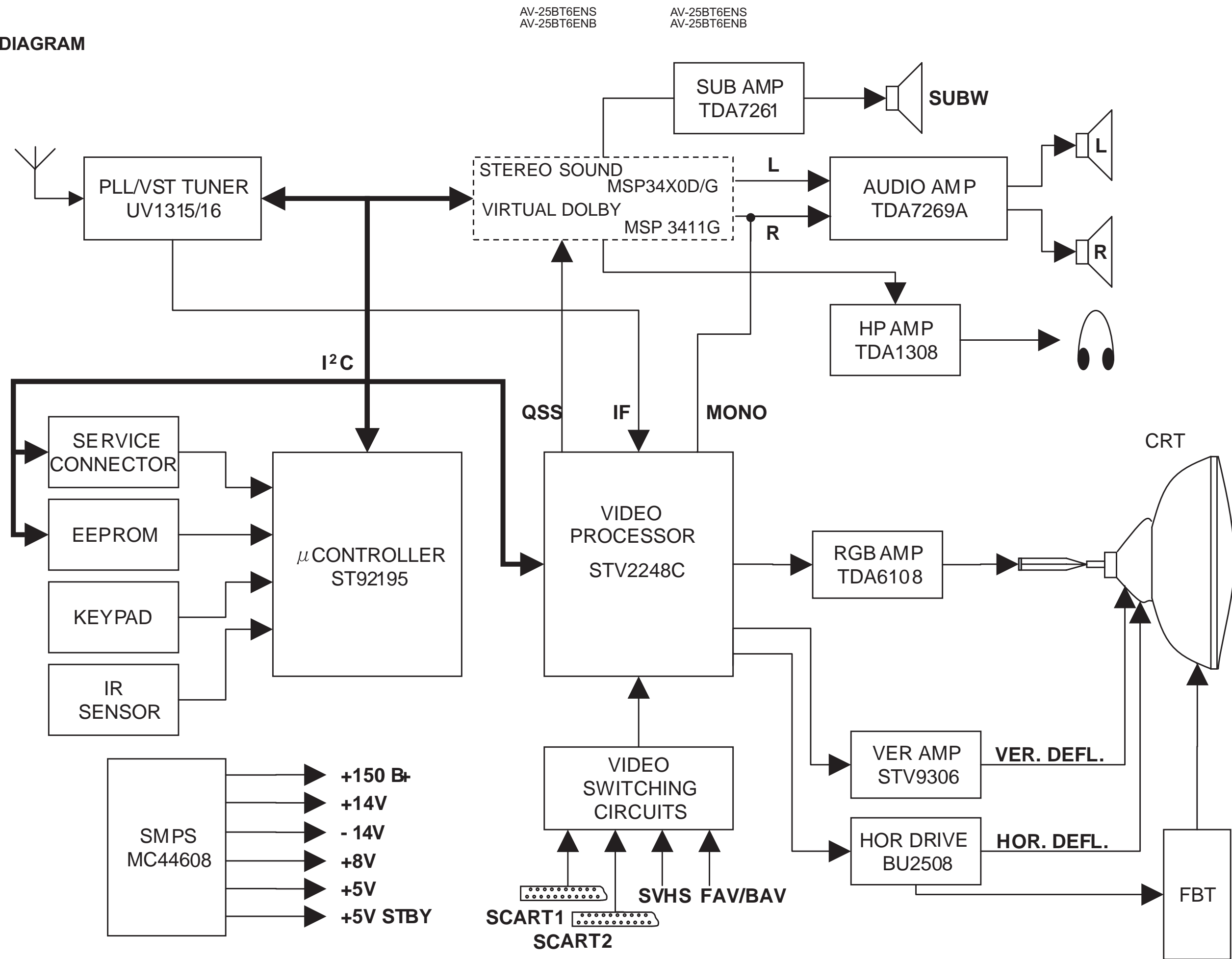
CRT SOCKET PWB PATTERN



HEADPHONE PWB PATTERN

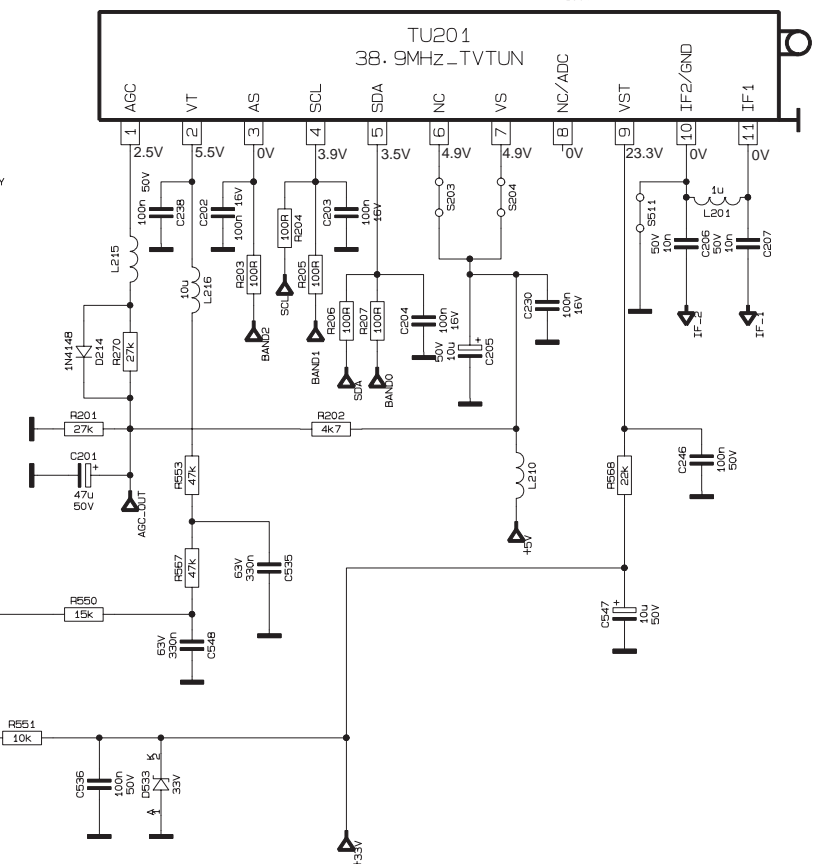
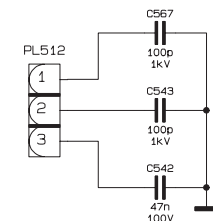
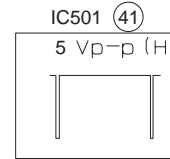


BLOCK DIAGRAM

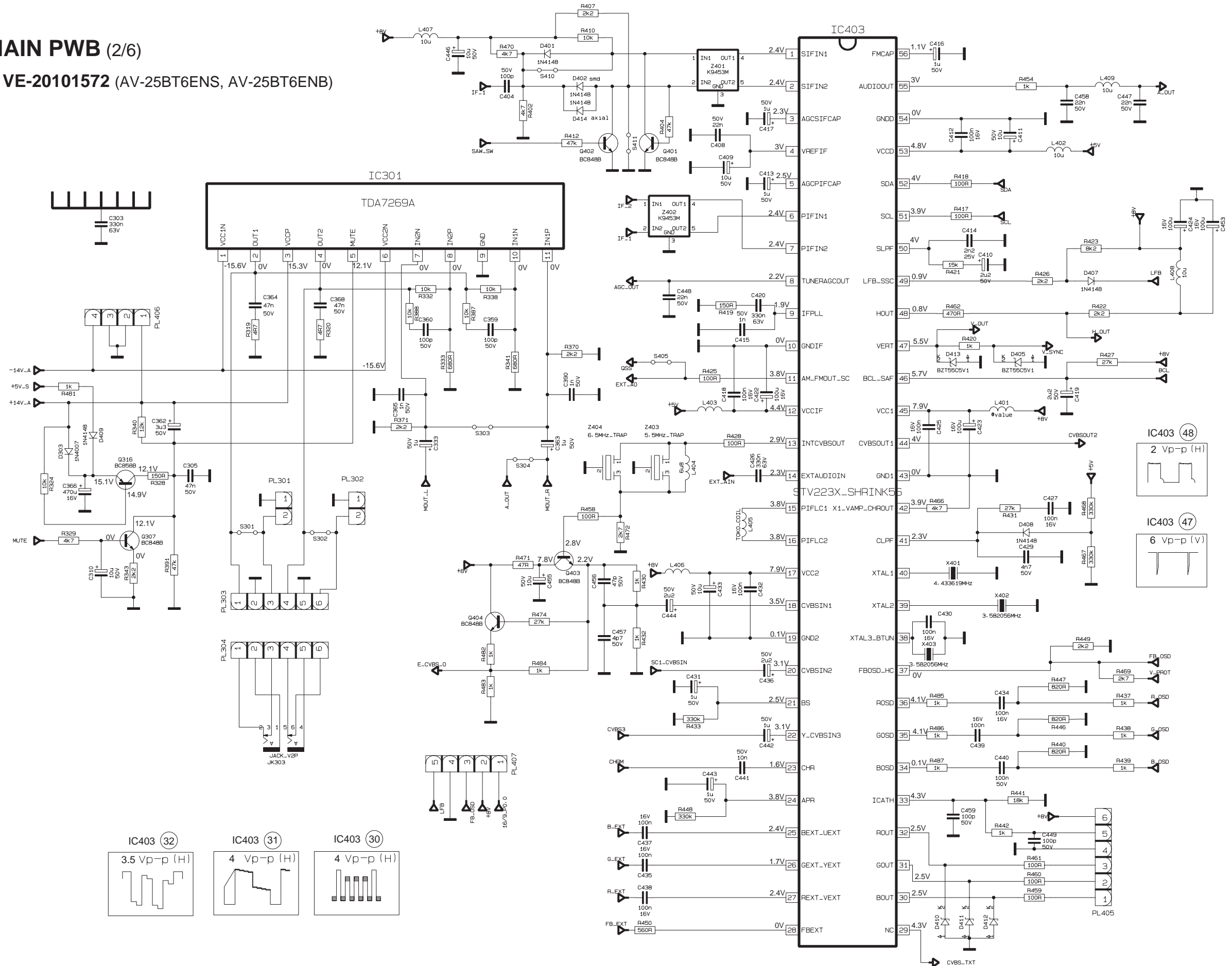


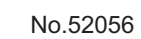
AV-25BT6ENS
AV-25BT6ENB

AV-25BT6ENS
AV-25BT6ENB



VE-20101572 (AV-25BT6ENS, AV-25BT6ENB)

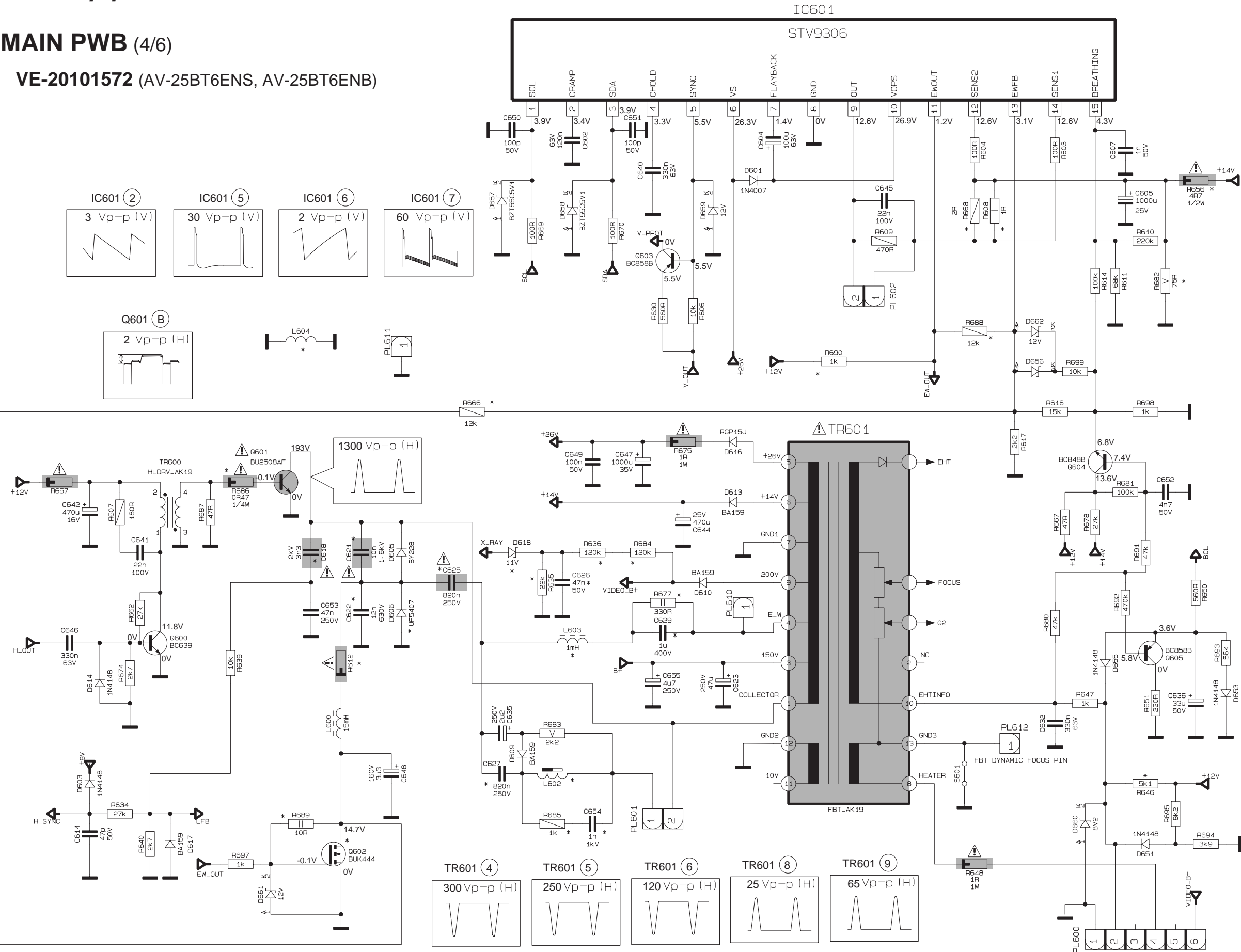




VE-20101572 (AV-25BT6ENS, AV-25BT6ENB)

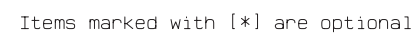
MAIN PWB (4/6)

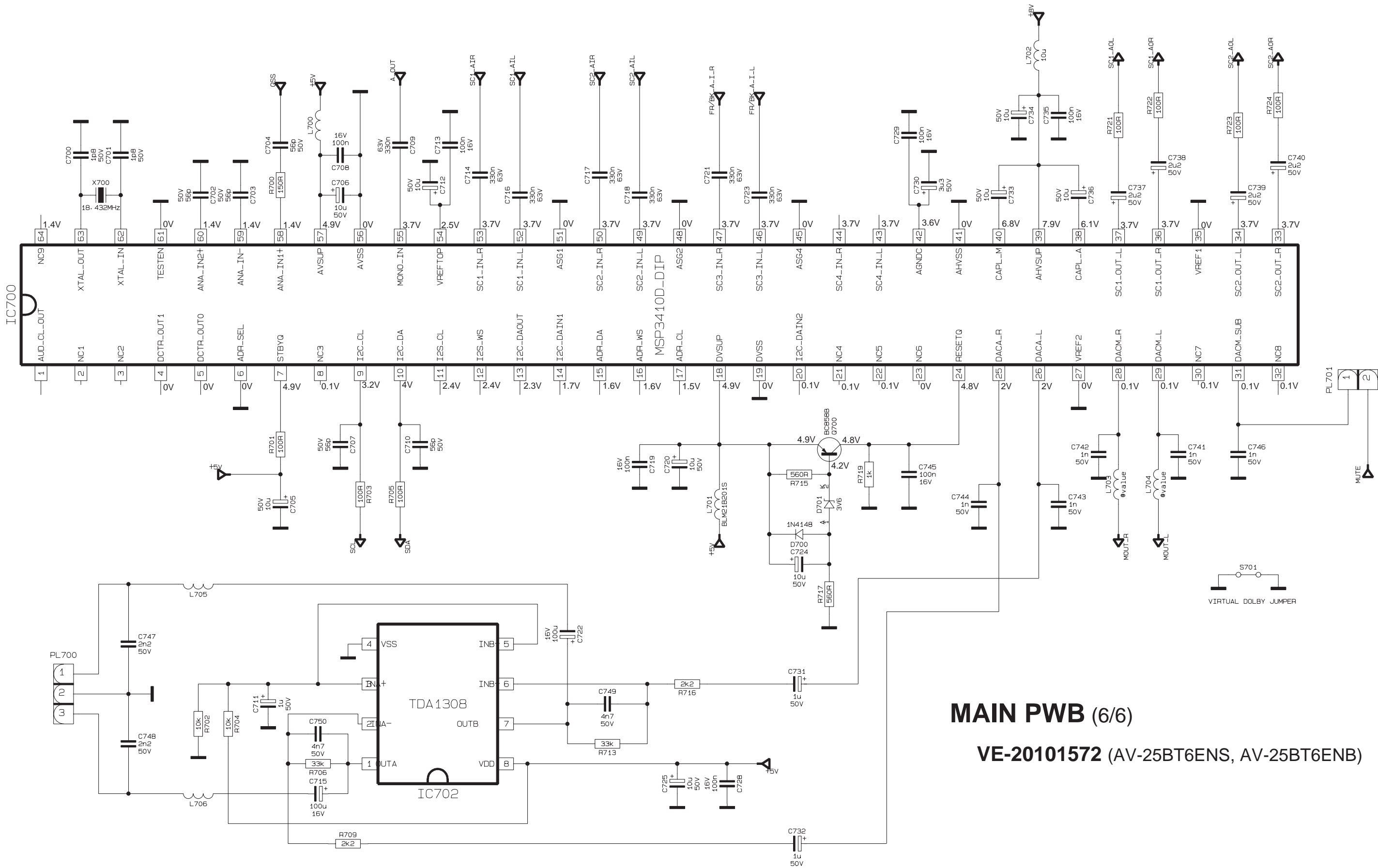
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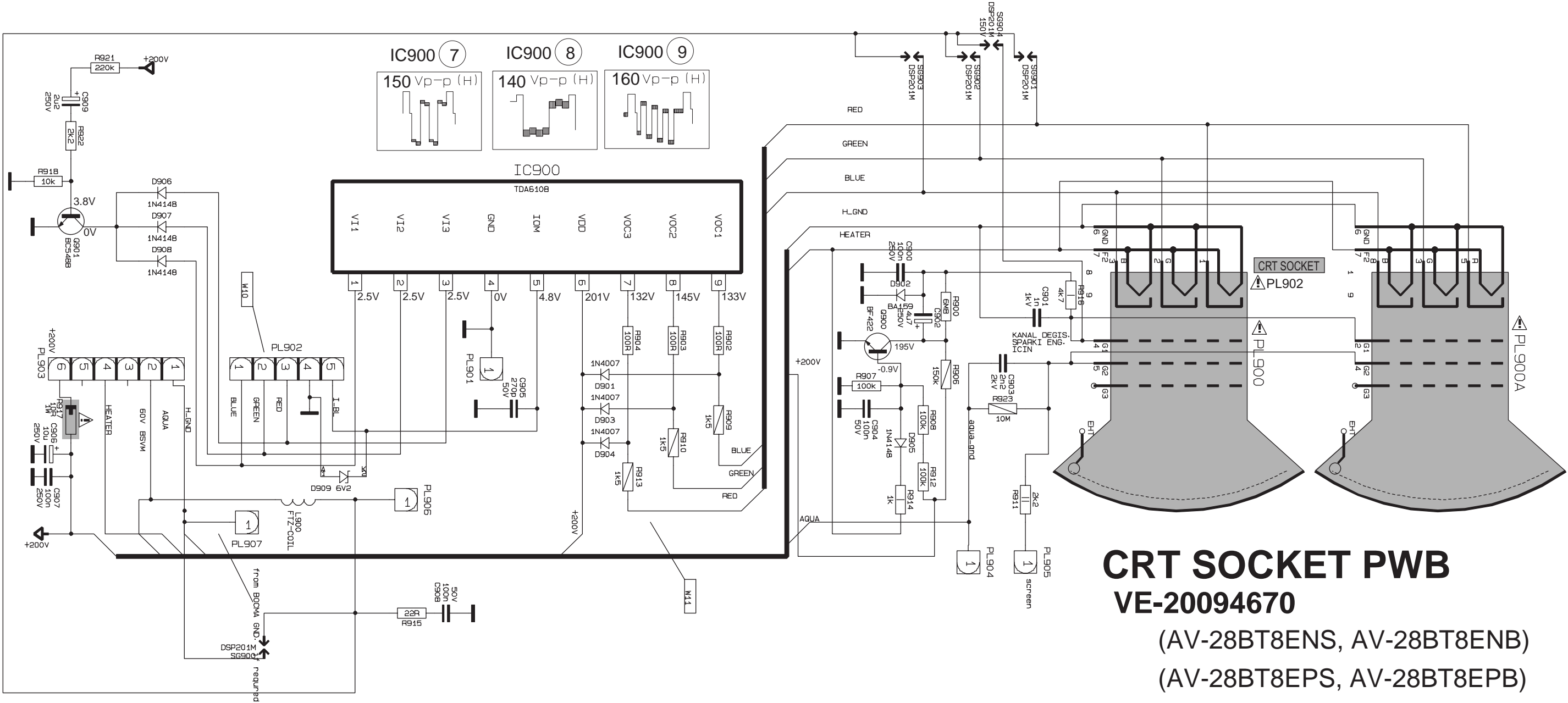
Items marked with [*] are optional

MAIN PWB (5/6)
VE-20101572 (AV-25BT6ENS, AV-25BT6ENB)





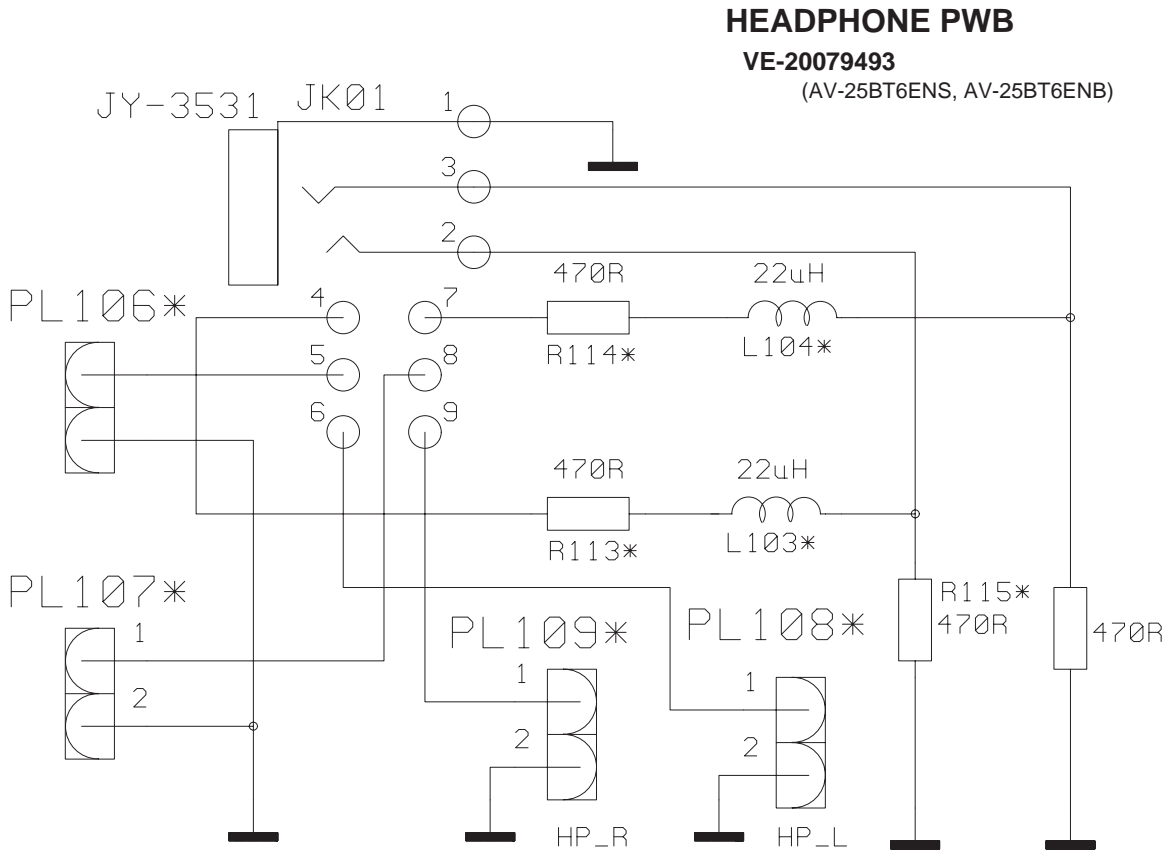
MAIN PWB (6/6)
VE-20101572 (AV-25BT6ENS, AV-25BT6ENB)



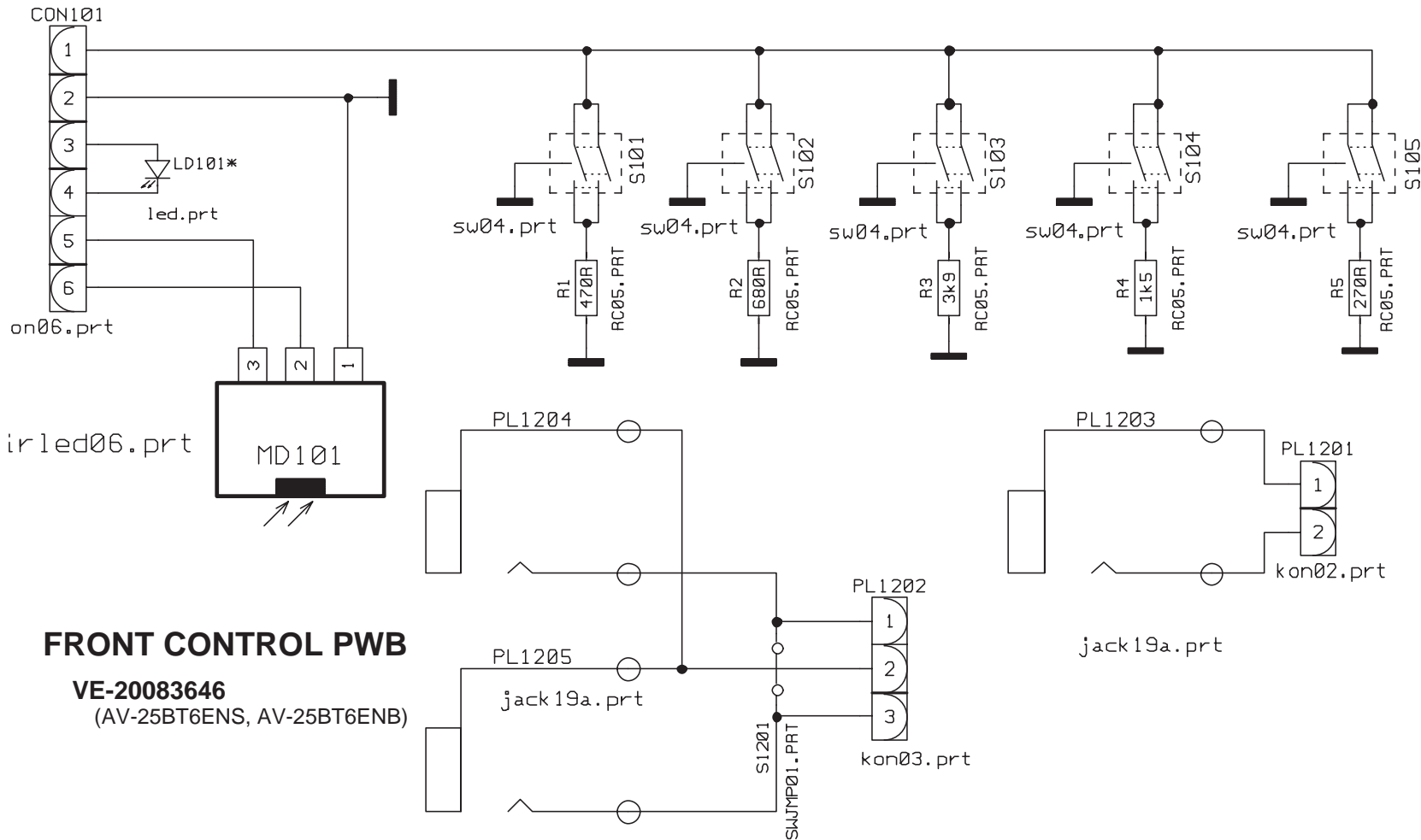
CRT SOCKET PWB VE-20094670

(AV-28BT8ENS, AV-28BT8ENB)
(AV-28BT8EPS, AV-28BT8EPB)
(AV-28BT8EES, AV-28BT8EEB)

HEADPHONE PWB CIRCUIT DIAGRAM



FRONT CONTROL PWB CIRCUIT DIAGRAM



PATTERN DIAGRAMS MAIN PWB PATTERN

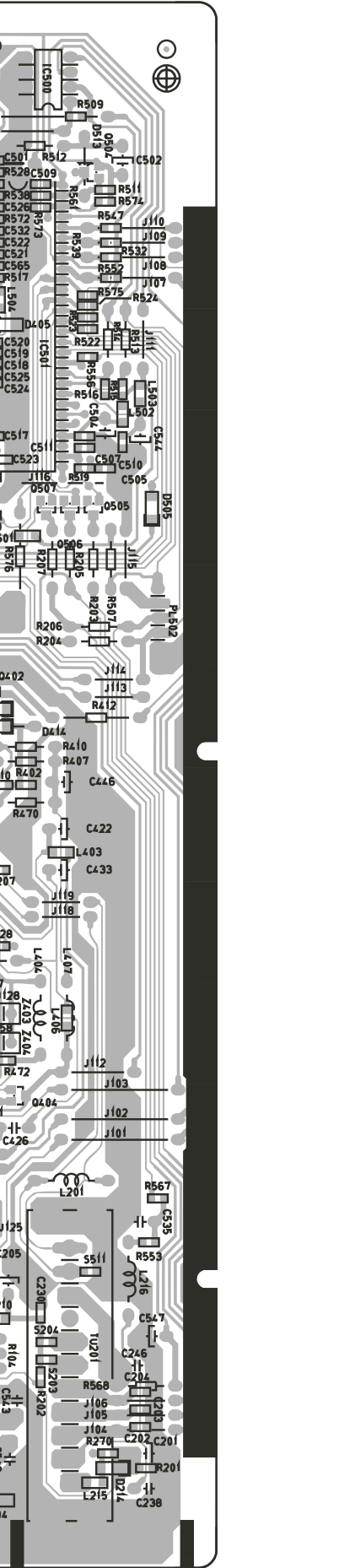
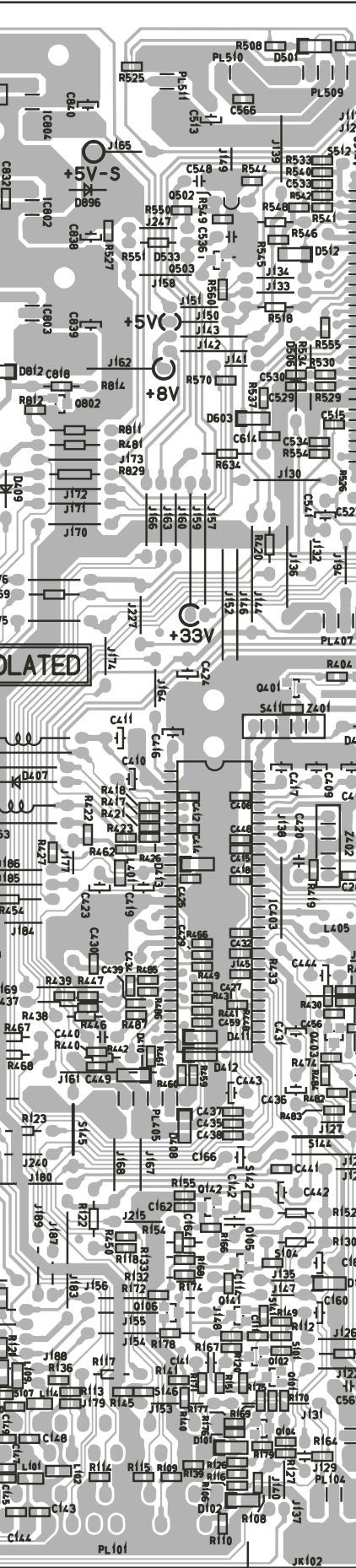
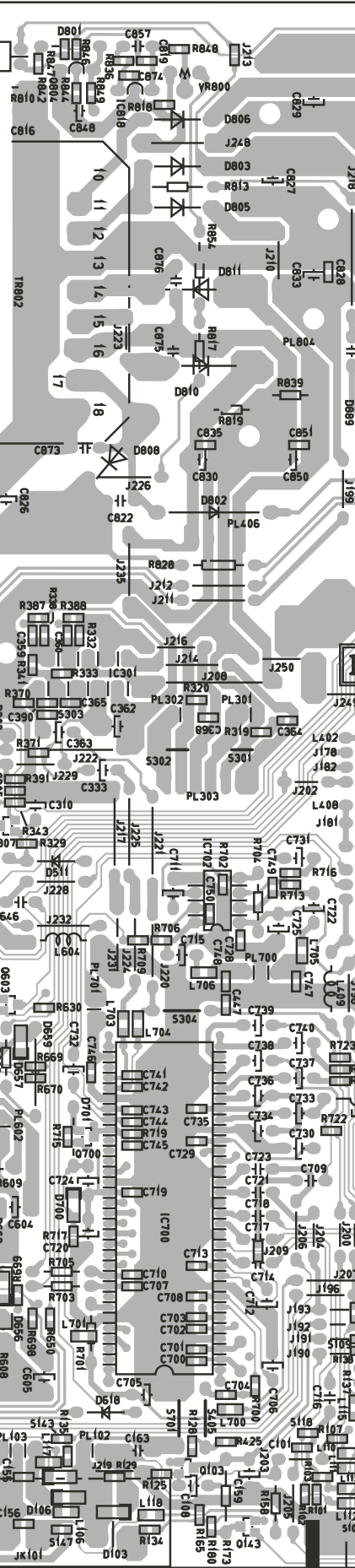
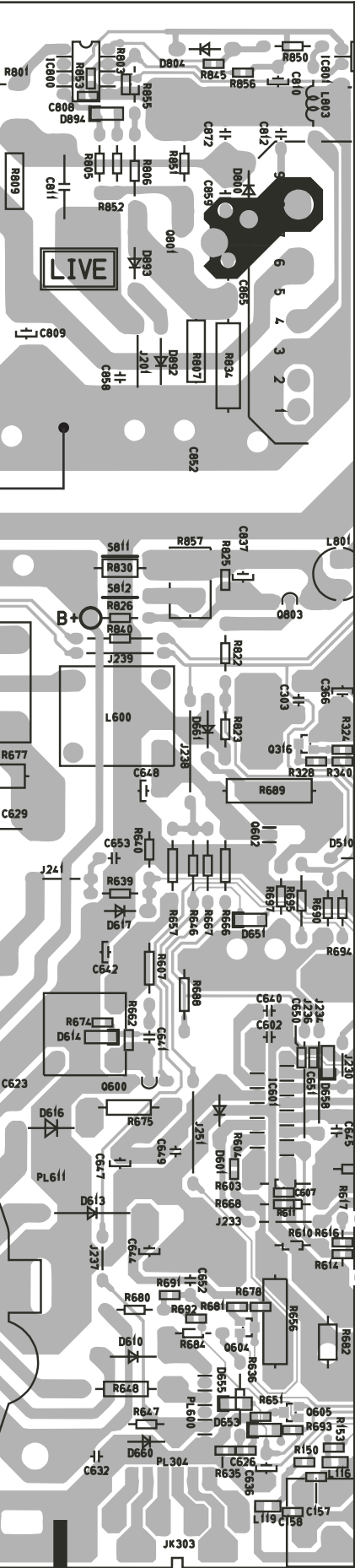
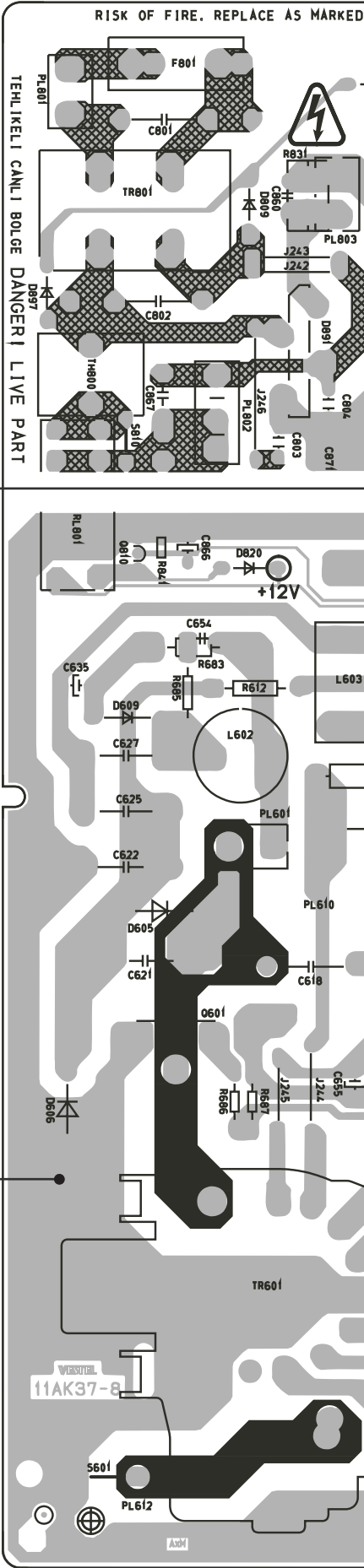
AV-25BT6ENS
AV-25BT6ENB

AV-25BT6ENS
AV-25BT6ENB

↑
FRONT

(1)

(11)





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