

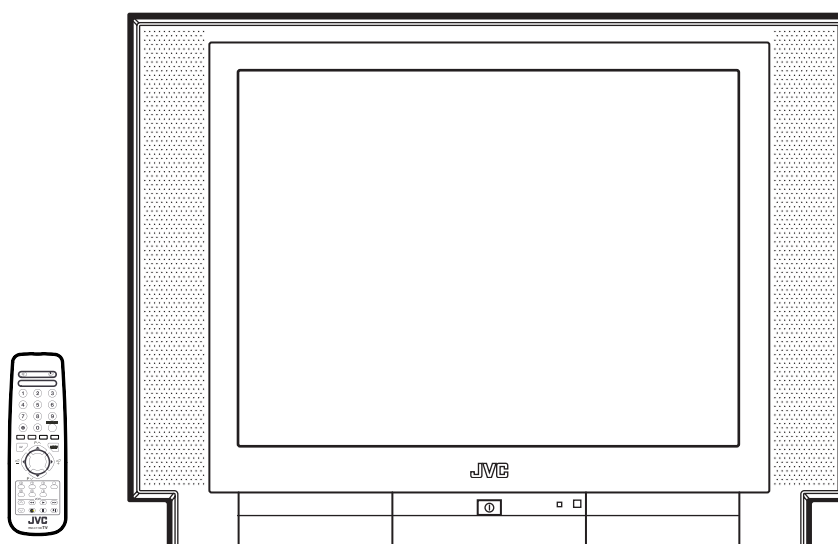
JVC

SCHEMATIC DIAGRAMS

COLOUR TELEVISION

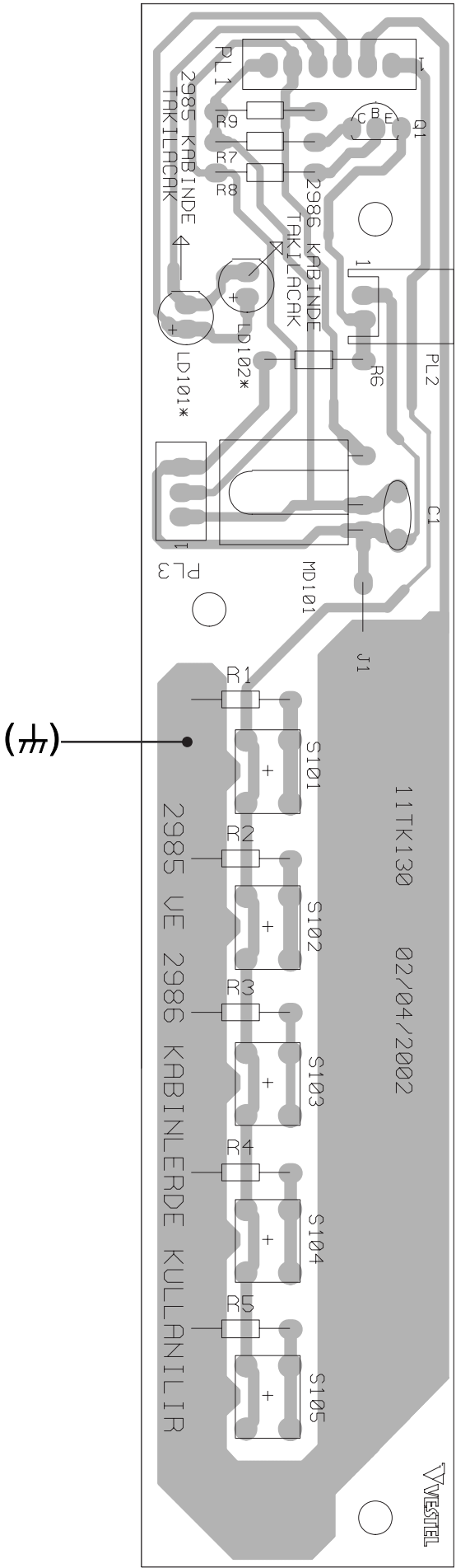
AV-29BF11ENS
AV-29BF11EPS
AV-29BF11EES

CD-ROM No.SML200209



CONTENTS

■ NOTE ON USING CIRCUIT DIAGRAMS	2-1
■ SEMICONDUCTOR SHAPES	2-2
■ BLOCK DIAGRAM	2-3
■ CIRCUIT DIAGRAMS	2-5
■ PATTERN DIAGRAMS	2-21



TOP

AV-29BF11ENS AV-29BF11EPS AV-29BF11EES STANDARD CIRCUIT DIAGRAM

NOTE ON USING CIRCUIT DIAGRAMS

- 1.SAFETY**

The components identified by the 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 20kΩ /V
(4)Oscilloscope sweeping time	:H ⇒ 20μS/div :V ⇒ 5mS/div :Others ⇒ 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	:Uninflammable 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	: [μF]

- Withstand voltage

No indication	:DC50[V]
Others	:DC withstand voltage [V]
AC indicated	:AC withstand voltage [V]
 - * Electrolytic Capacitors
47/50[Example]:Capacitance value [μF]/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	: [μH]
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.

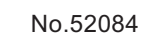
- ◇ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

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.

AV-29BF11ENS
AV-29BF11EPS
AV-29BF11EES



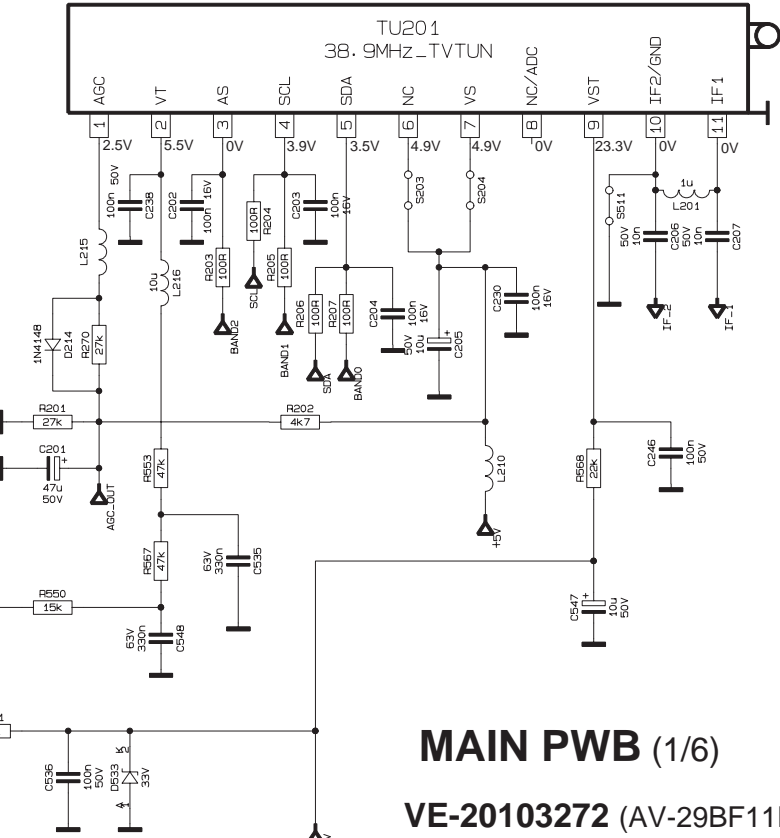
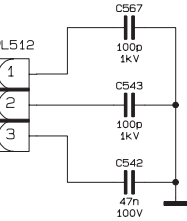
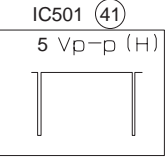
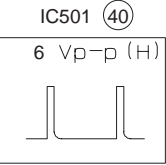
CIRCUIT DIAGRAMS MAIN PWB CIRCUIT DIAGRAM [1/6]

AV-29BF11ENS
AV-29BF11EPS
AV-29BF11EES

AV-29BF11ENS
AV-29BF11EPS
AV-29BF11EES

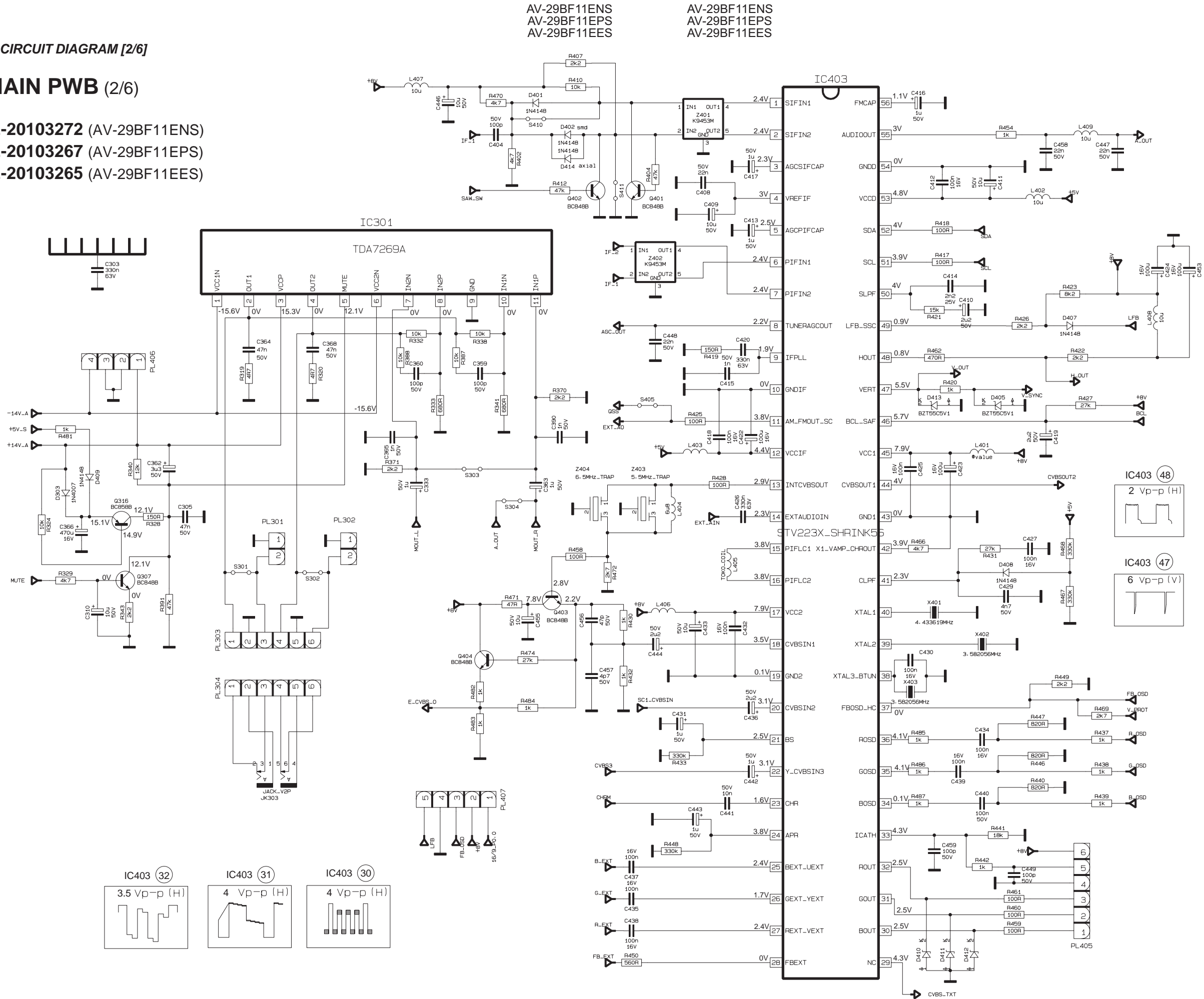
DIFFERENCE LIST

	AV-29BF11ENS	AV-29BF11EES	AV-29BF11EPS
R402	---	---	VE-30012692 RES SMD 1/16W 4.7K J (0603)
R407	---	---	VE-30000590 RES CF 1/4W 2.2K J
R412	---	---	VE-30000723 RES CF 1/4W 47K J
R552	---	---	VE-30012692 RES SMD 1/16W 4.7K J (0603)
C446	---	---	VE-30000345 CAP EL 10UF 50V M
C457	---	VE-30012578	CAP SMD 68PF 50V J (0603)
Q402	---	---	VE-30012560 CAP SMD 100PF 50V J (0603)
L404	VE-30002583	---	TR BC848B SMD
L407	---	VE-30001990	FIXED COIL 6.8UH Q75 K
D414	---	---	VE-30001990 FIXED COIL 6.8UH Q75 K
L407	---	VE-30001992	FIXED COIL 10UH Q65 K-A
D414	---	---	VE-30001283 DIODE BA282 0.1A/35V
IC403	VE-30014521	VE-30014510	IC STV2248 (SHRINK56)
IC500	VE-20103251	IC 24C08 T37281110C101213012(J	VE-20103268 IC 24C08 T37487110A101213012(J
IC501	VE-20093395	PR.IC.37-7PG TXT ST92195C 64K	VE-20093395 PR.IC.37-7PG TXT ST92195C 64K
Z401	VE-30001705	VE-30013163	FILTER SAW OFWG9353M
Z402	VE-30015591	VE-30014261	FILTER SAW K3958M
Z404	---	VE-30001724	FILTER SER TRAP TPS 5.5MHZ
S411	VE-30012985	---	---



MAIN PWB (2/6)

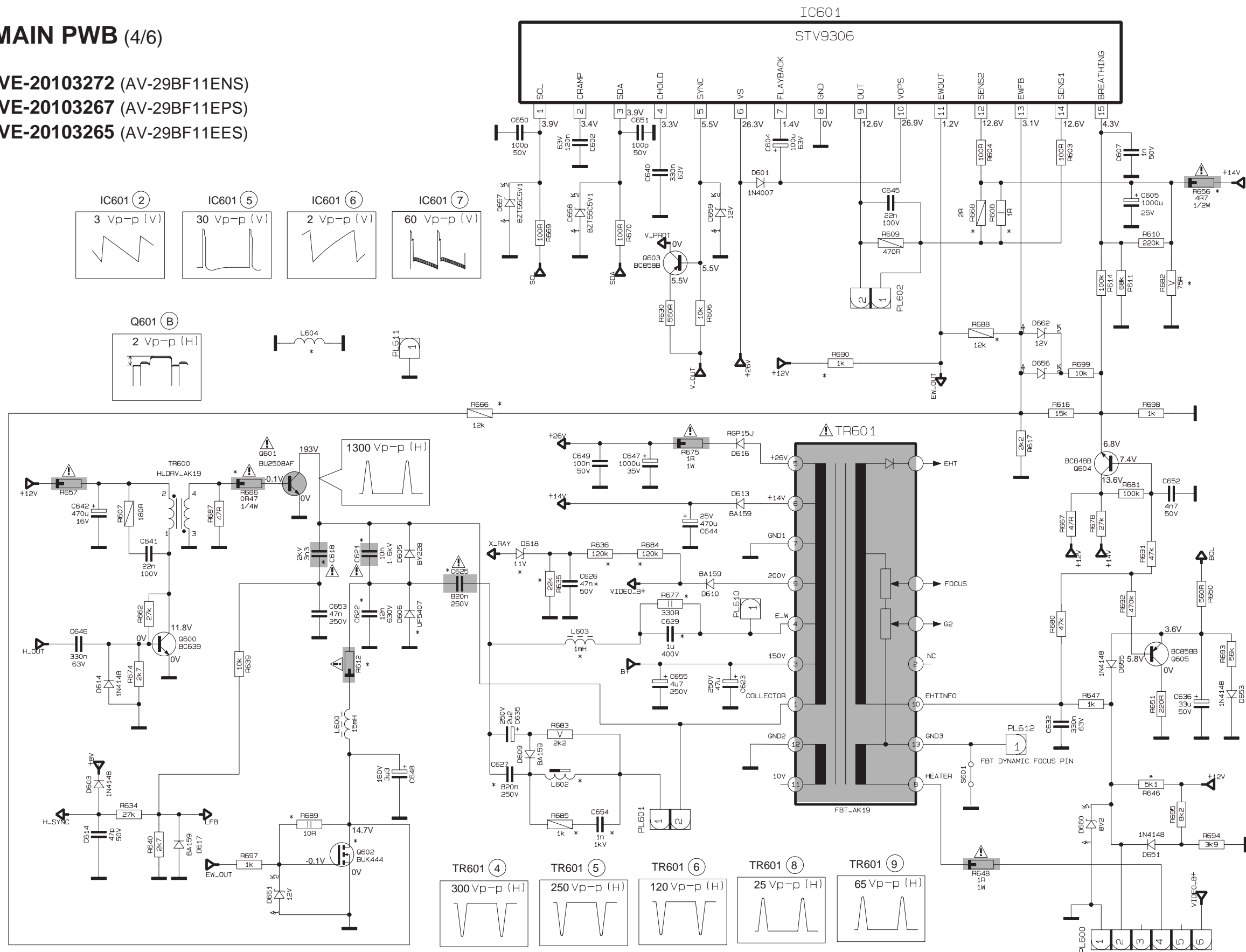
VE-20103272 (AV-29BF11ENS)
VE-20103267 (AV-29BF11EPS)
VE-20103265 (AV-29BF11EES)





MAIN PWB (4/6)

VE-20103272 (AV-29BF11ENS)
VE-20103267 (AV-29BF11EPS)
VE-20103265 (AV-29BF11EES)

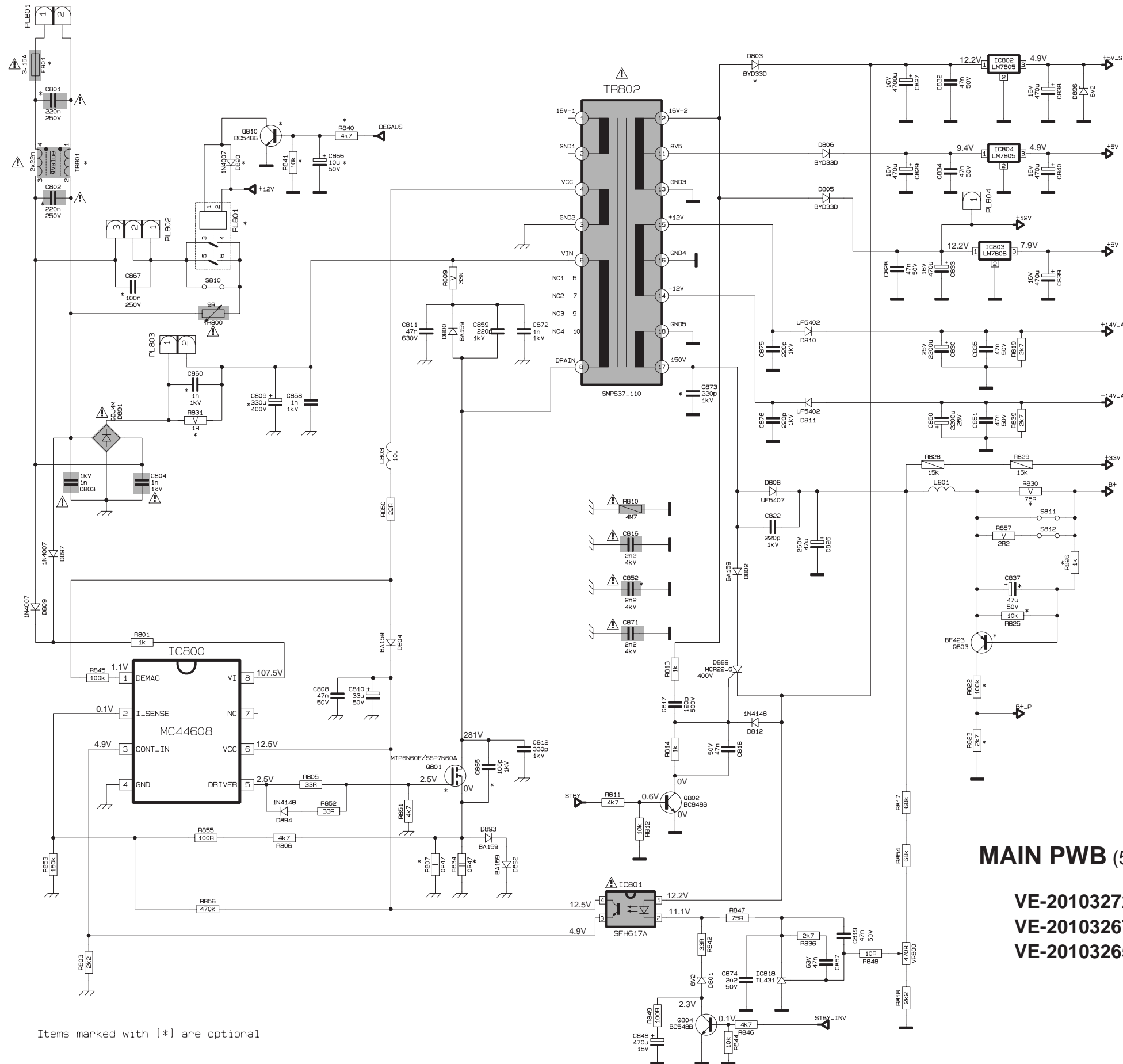


Items marked with [*] are optional

MAIN PWB CIRCUIT DIAGRAM [5/6]

AV-29BF11ENS
AV-29BF11EPS
AV-29BF11EES

AV-29BF11ENS
AV-29BF11EPS
AV-29BF11EES



Items marked with [*] are optional

MAIN PWB (5/6)

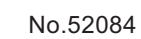
VE-20103272 (AV-29BF11ENS)
VE-20103267 (AV-29BF11EPS)
VE-20103265 (AV-29BF11EES)

MAIN PWB (6/6)

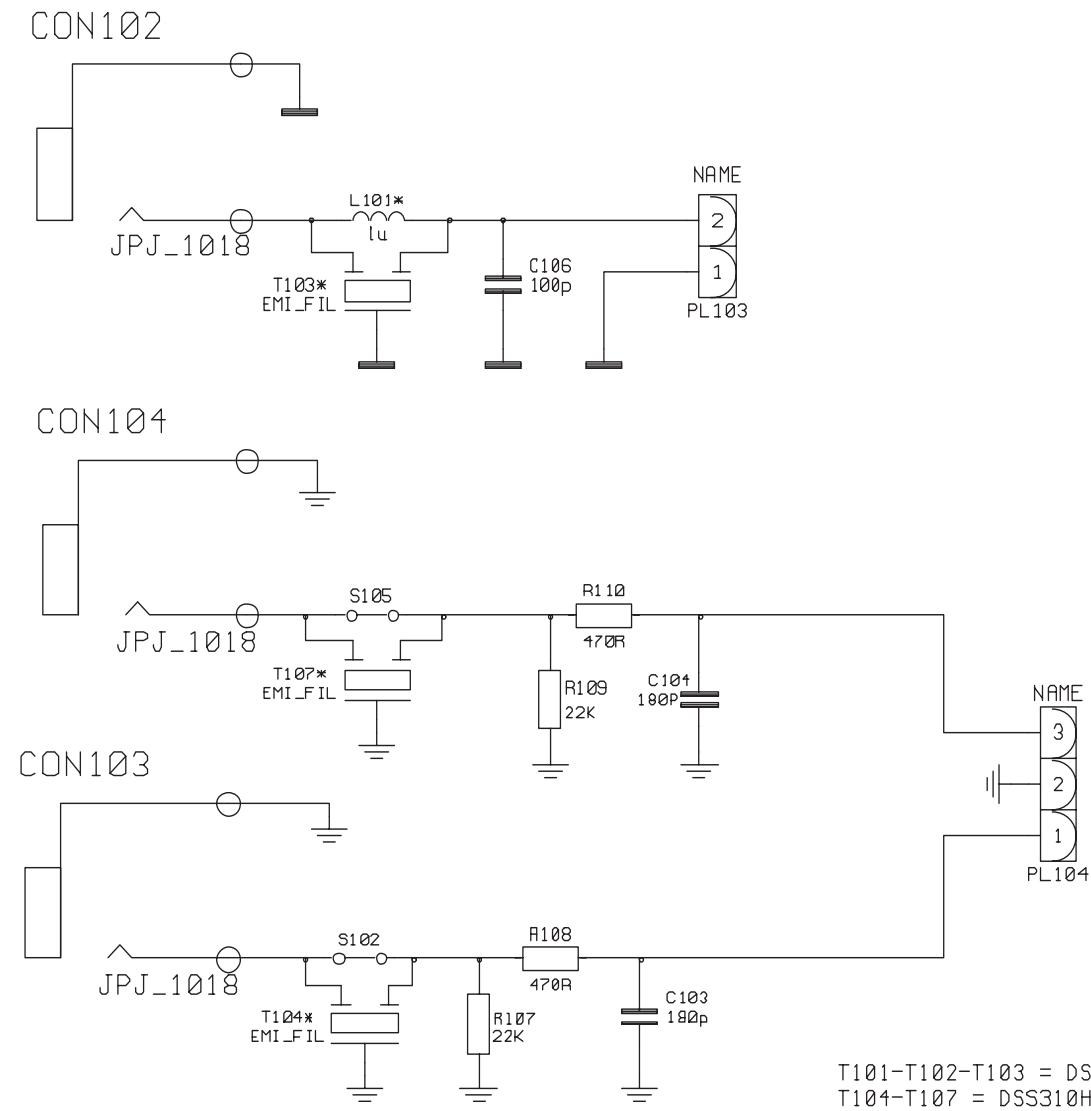
No.52084

CRT SOCKET PWB

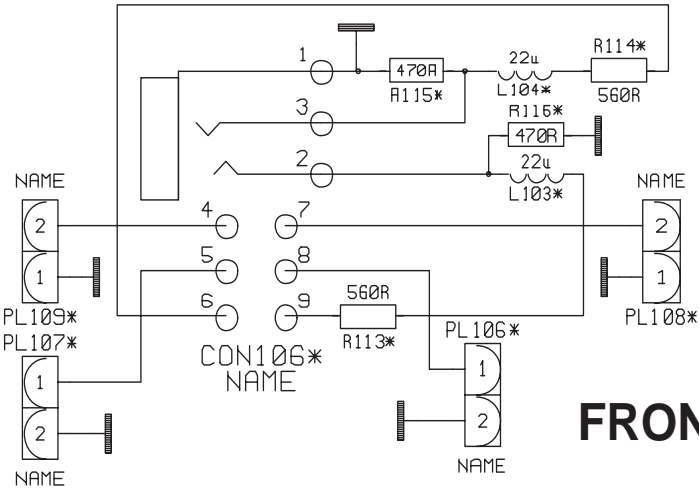
VE-20094670



FRONT AV & HEADPHONE PWB CIRCUIT DIAGRAM

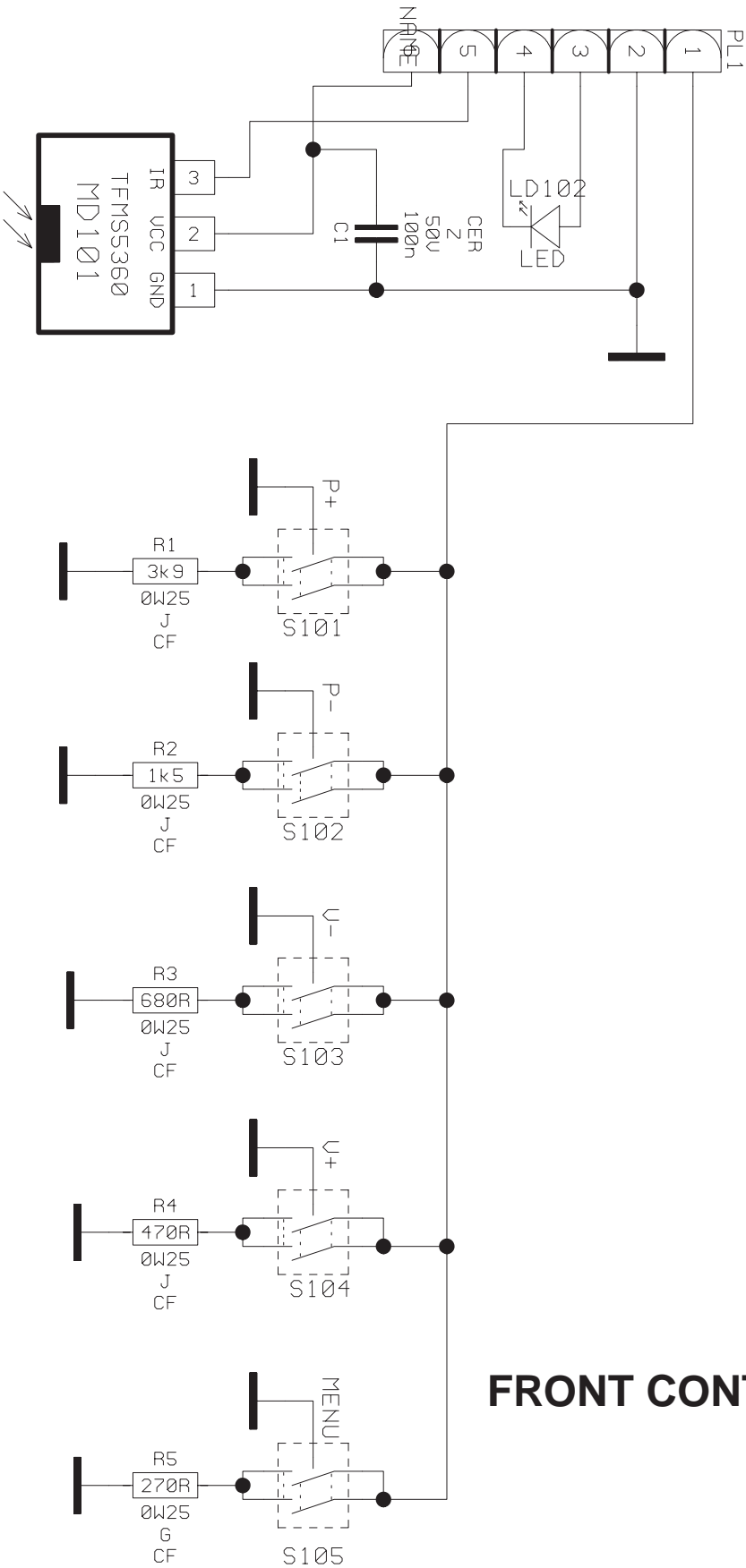


T101-T102-T103 = DSS310H-55B271M250
T104-T107 = DSS310H-55B222M250



FRONT AV & HEADPHONE PWB
VE-20083646

FRONT CONTROL PWB CIRCUIT DIAGRAM



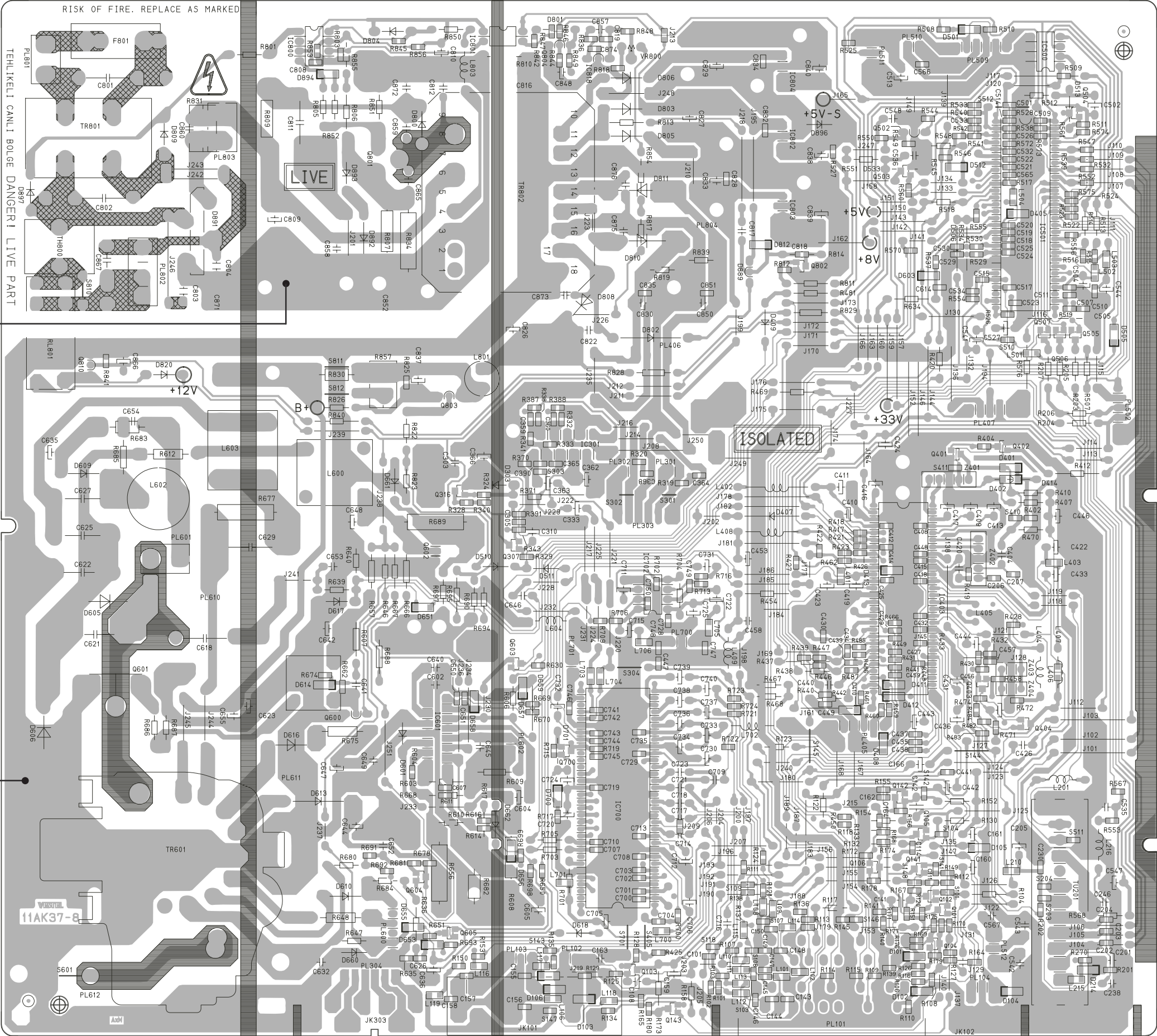
FRONT CONTROL PWB
VE-20100168

PATTERN DIAGRAMS MAIN PWB PATTERN

FRONT

(1)

(7)



AV-29BF11ENS
AV-29BF11EPS
AV-29BF11EES

AV-29BF11ENS
AV-29BF11EPS
AV-29BF11EES



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