

C4

CONTROLS

C4 CONTROLS

7064

1 TILT

2 SEL-SVHS-RR STATUS2

4 ATSTATUS_PIP-AFT_PIP-50-60HZ

5 KEYBOARD

6 FRONT-DETECT

8

9 CENOTT

10 WENOTT

13 STAND-BY

14 +3.3V-STBY

15

16 COMM-LINE

17 7022

18 LIGHT-SENSOR-VDEGAUSS

22 +3.3V-STBY

23

24 SYS1

25 SYS2

26

27 ON-OFF-LED

28

29 CENOT

31 CVBS2OUT

32 G-SC1-IN-YIN

33

34

36

37

38

39

40

45 +3.3V-STBY

46 B-TXT-OSD

47 G-TXT-OSD

48 R-TXT-OSD

49

51

52

53

54 SEL-MAIN-R1R2

55

56

57

58

59 +3.3V-STBY

60 SEL-IF-LL

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75 +3.3V-STBY

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

96

97

98

100

PANORAMA

SOUND-ENABLE

HIS-OFF

AAGCuP

IO8

IO7

IO6

IO5

IO4

IO3

IO2

IO1

SDA-2

SCL-2

SDA

SCL

RC5

2041

1057

2042

7066

SDA

NVM

WC

SCL

3081

3055

6031

3083

7053-B

3055

VFB

7053-A

3025

HFB

A14

A7

A6

A5

A4

A15

A13

A12

A3

A2

A1

A0

A12

A8

A9

A10

A11

A16

FOR 100 PAGES
TELETEXT

+3.3V-STBY

3090

3091

7070

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

CENOT

A10

A08

A07

A06

A05

A04

A03

A02

A01

A00

A09

A11

A13

A15

A17

A18

A19

A20

A21

A22

A23

A24

A25

A26

A27

A28

A29

A30

A31

A32

A33

A34

A35

A36

A37

A38

A39

A40

A41

A42

A43

A44

A45

A46

A47

A48

A49

A50

A51

A52

A53

A54

A55

A56

A57

A58

A59

A60

A61

A62

A63

A64

A65

A66

A67

A68

A69

A70

A71

A72

A73

A74

A75

A76

A77

A78

A79

A80

A81

A82

A83

A84

A85

A86

A87

A88

A89

A90

A91

A92

A93

A94

A95

A96

A97

A98

A99

A100

A101

A102

A103

A104

A105

A106

A107

A108

A109

A110

A111

A112

A113

A114

A115

A116

A117

A118

A119

A120

A121

A122

A123

A124

A125

A126

A127

A128

A129

A130

A131

A132

A133

A134

A135

A136

A137

A138

A139

A140

A141

A142

A143

A144

A145

A146

A147

A148

A149

A150

A151

A152

A153

A154

A155

A156

A157

A158

A159

A160

A161

A162

A163

A164

A165

A166

A167

A168

A169

A170

A171

A172

A173

A174

A175

A176

A177

A178

A179

A180

A181

A182

A183

A184

A185

A186

A187

A188

A189

A190

A191

A192

A193

A194

A195

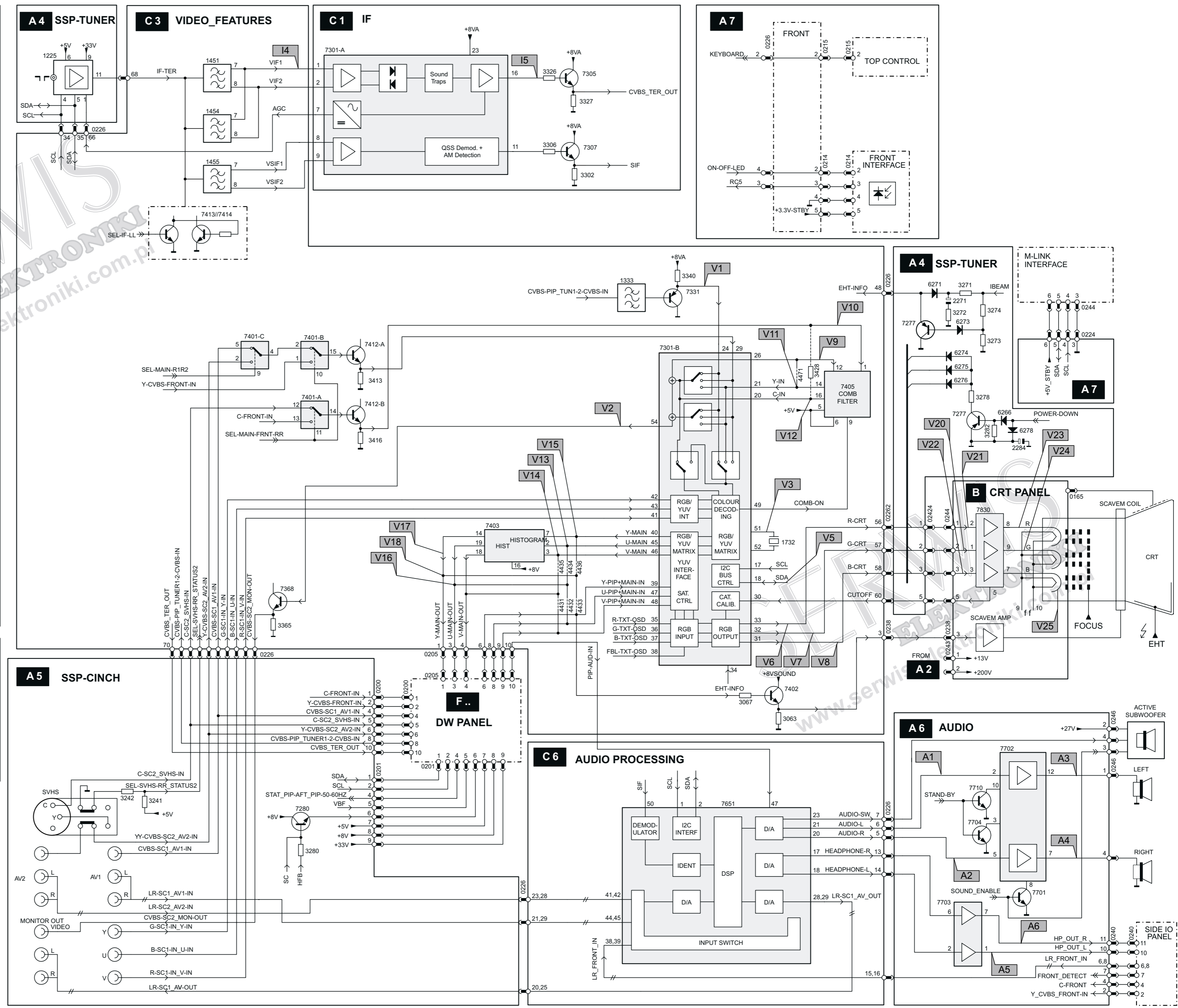
A196

A197

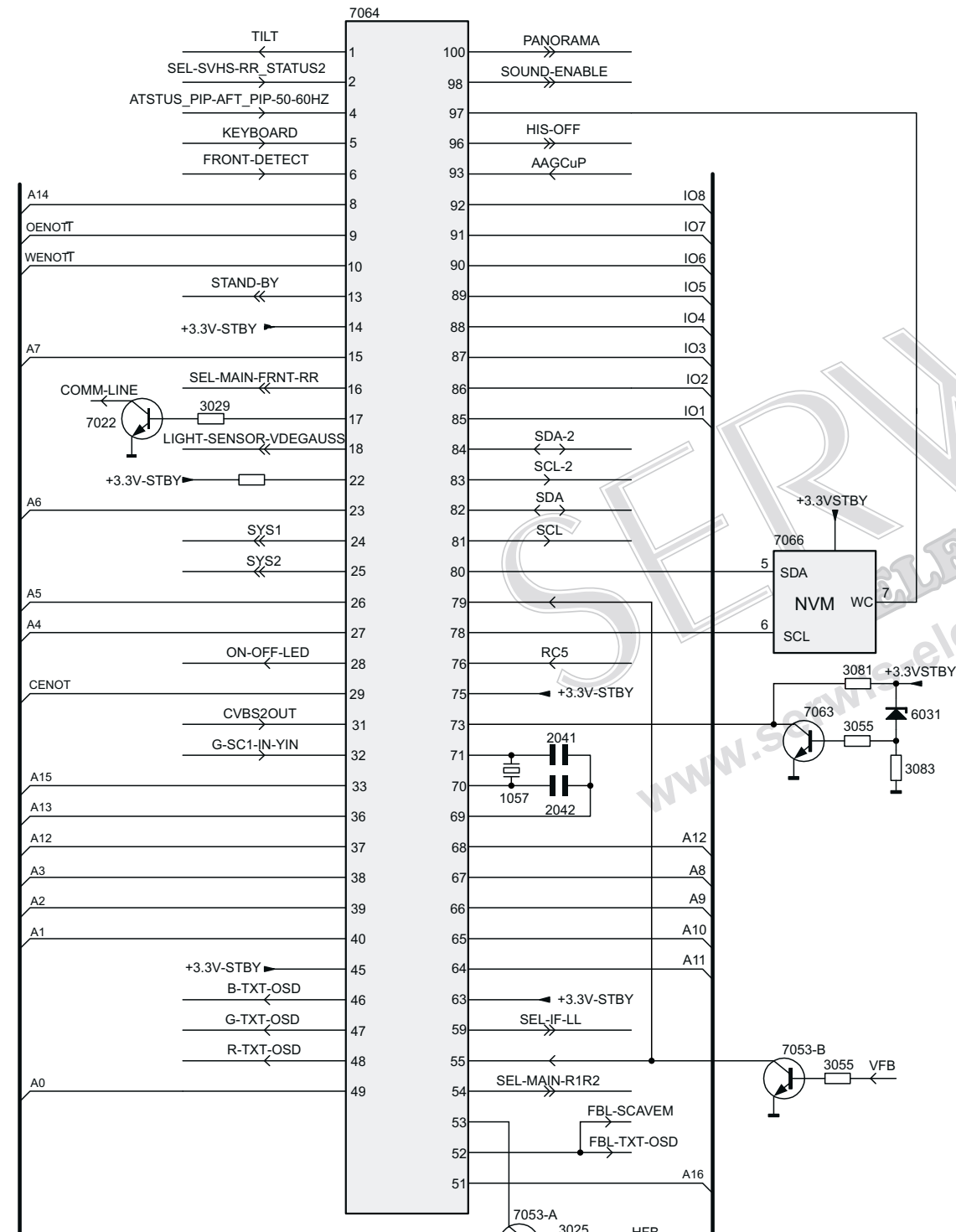
A198

A199

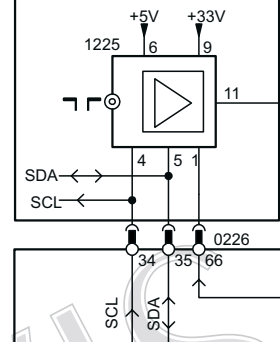
OTVC Philips chassis A10E AA



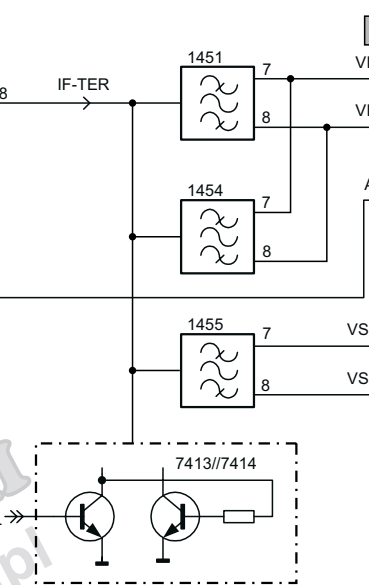
C4 CONTROLS



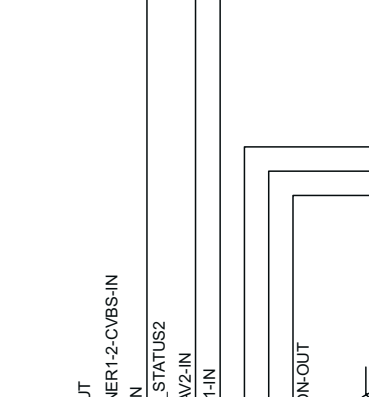
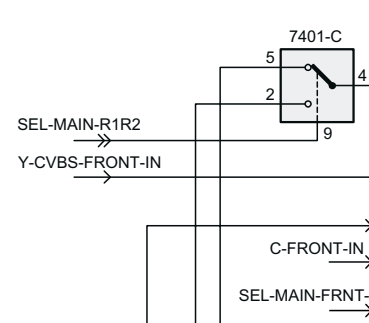
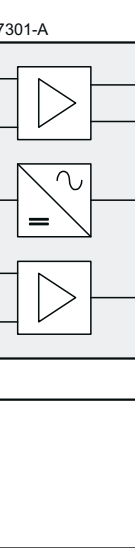
A4 SSP-TUNER

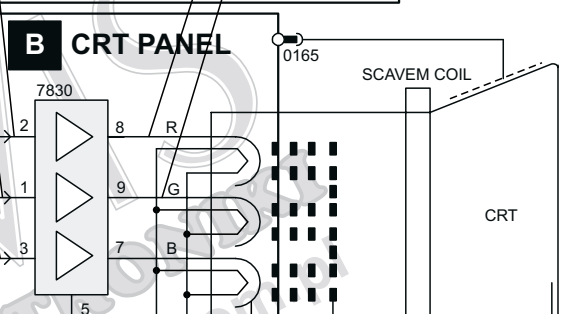
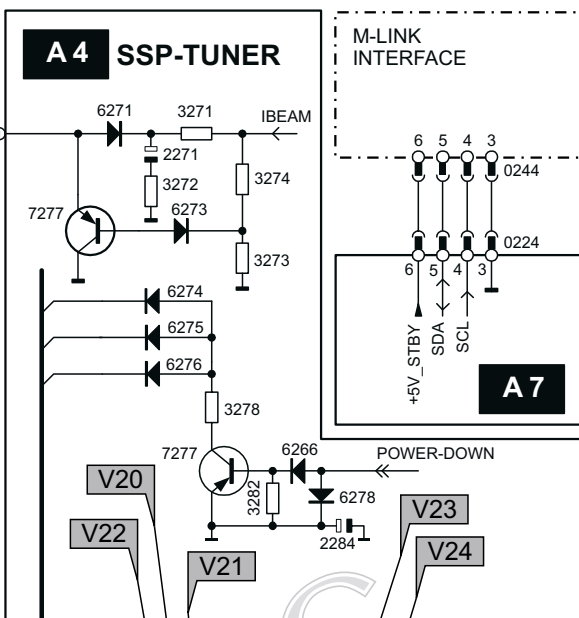
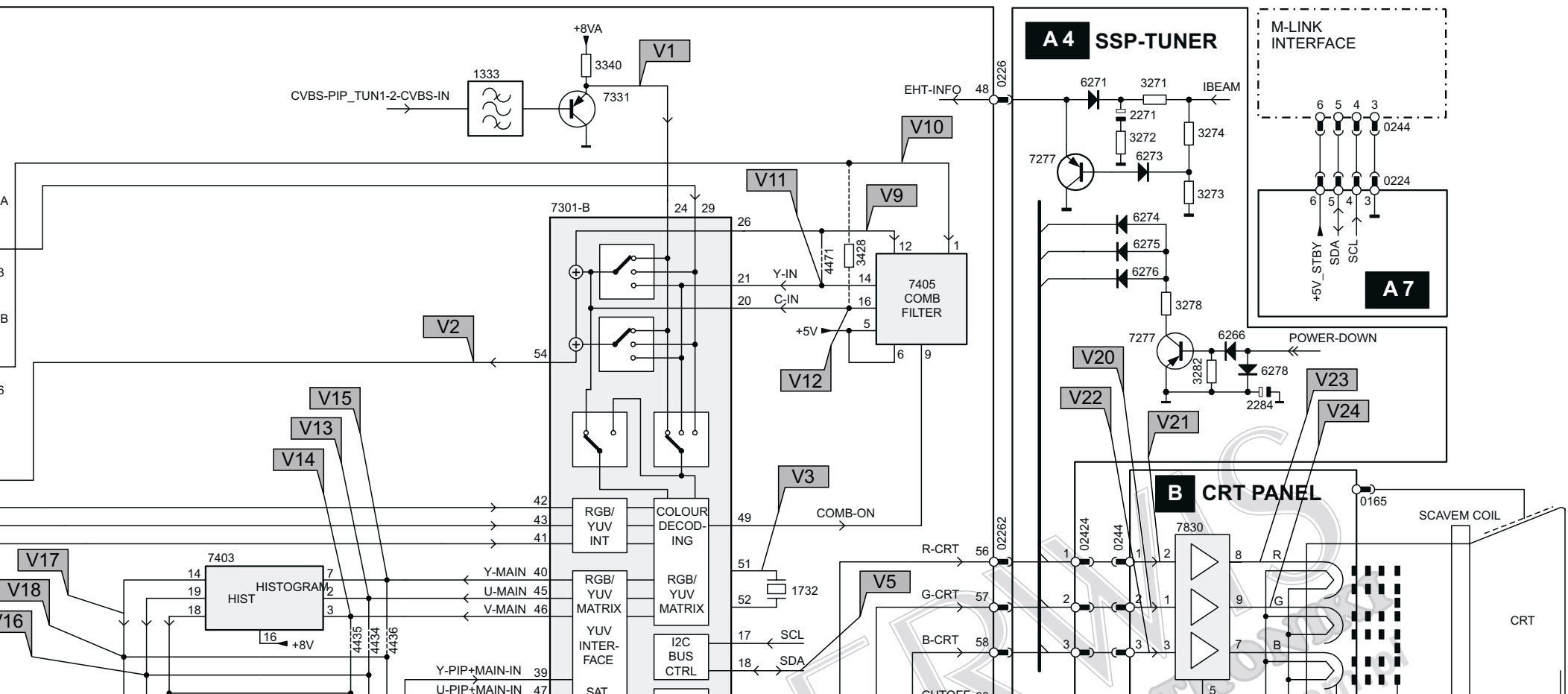
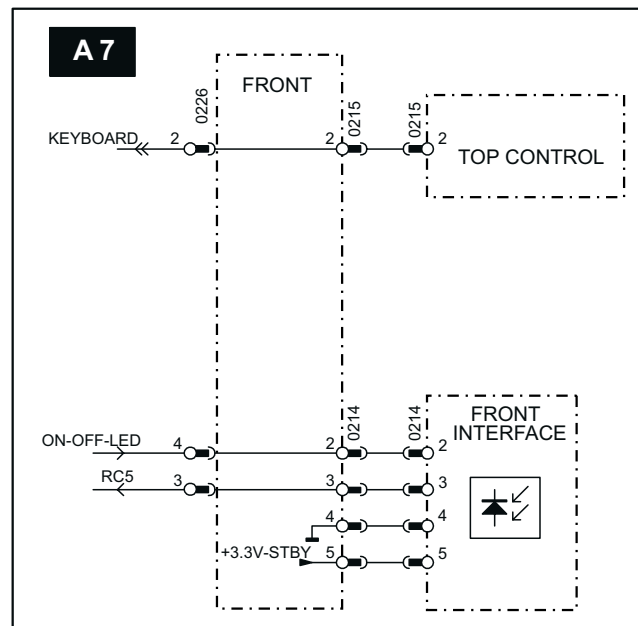
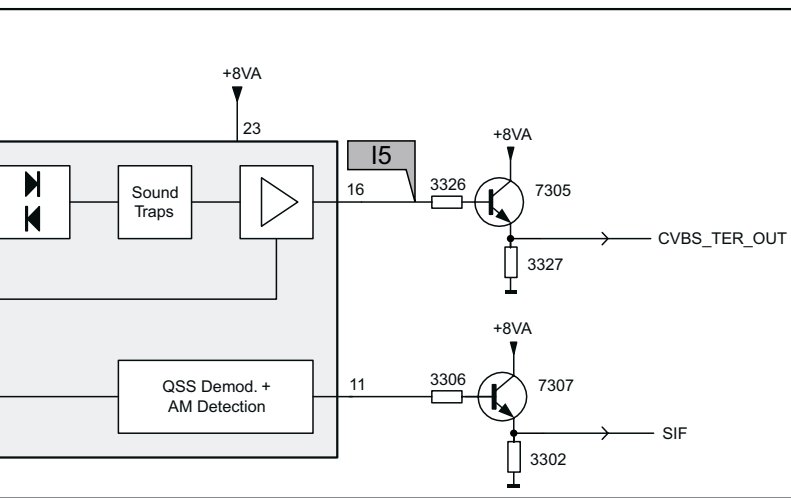


C3 VIDEO_FEATURES

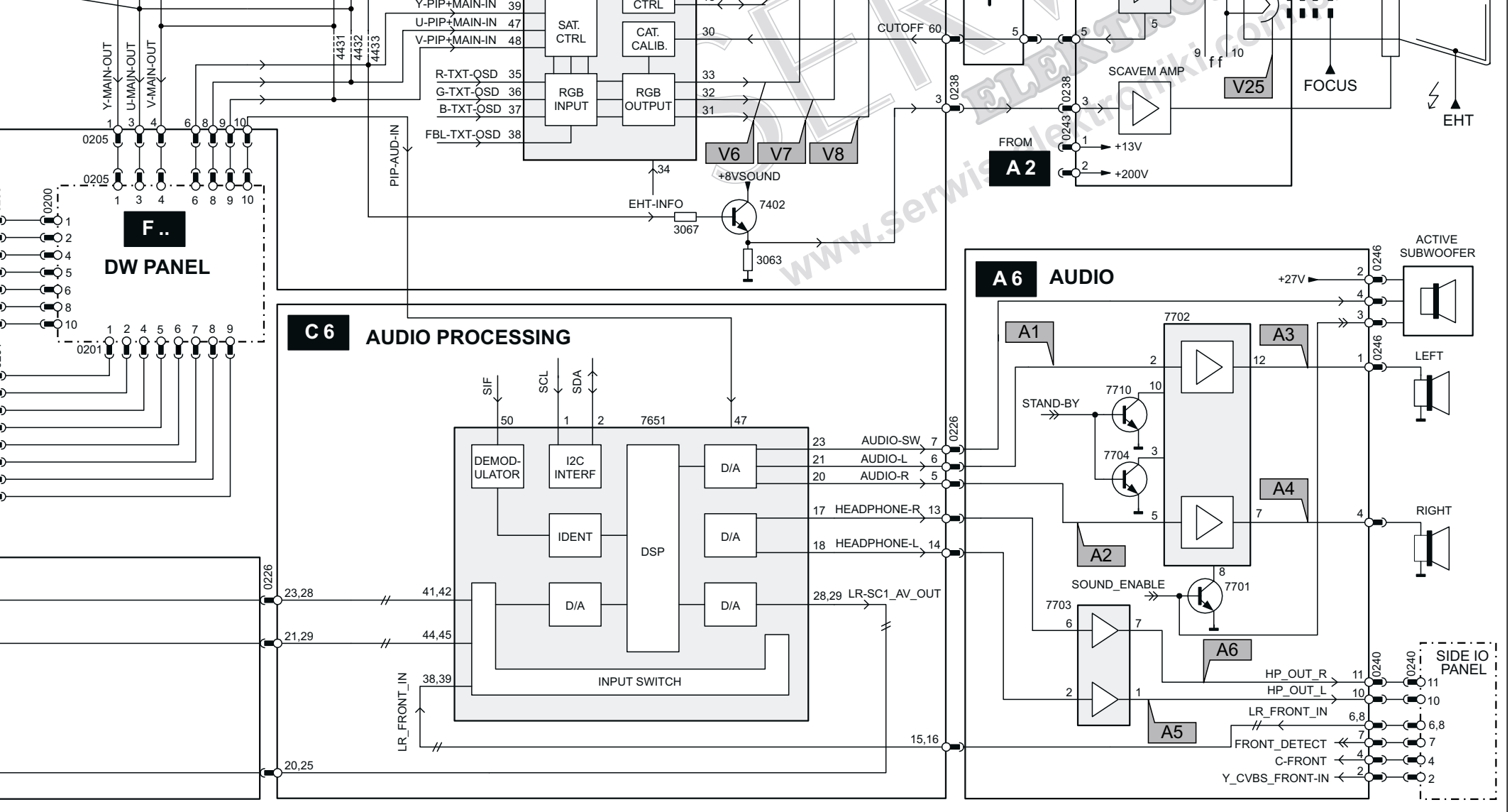


C1 IF

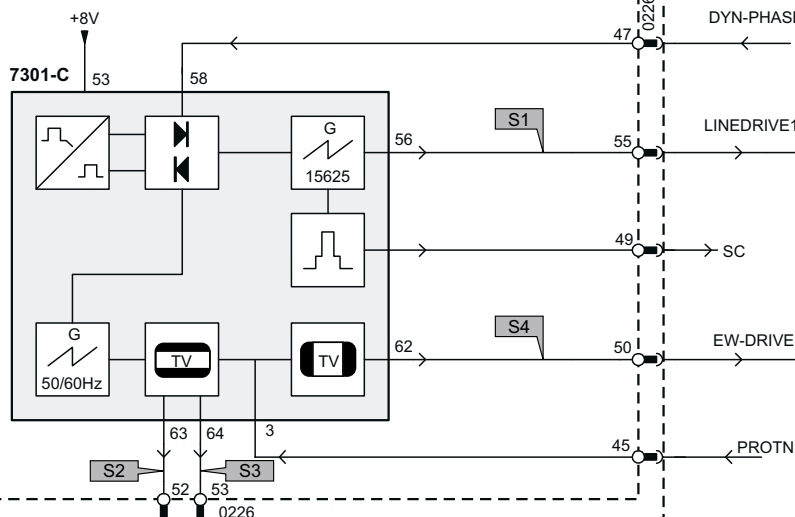




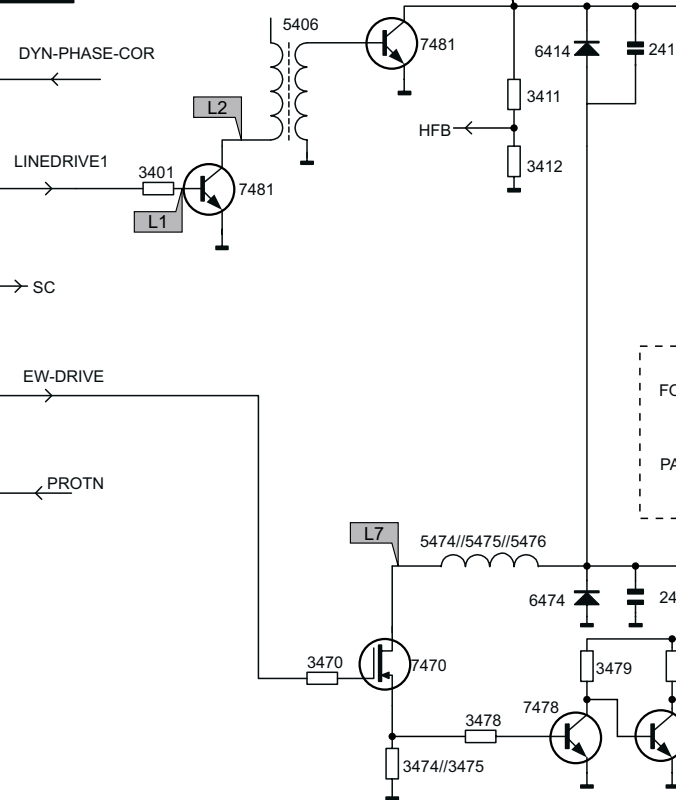




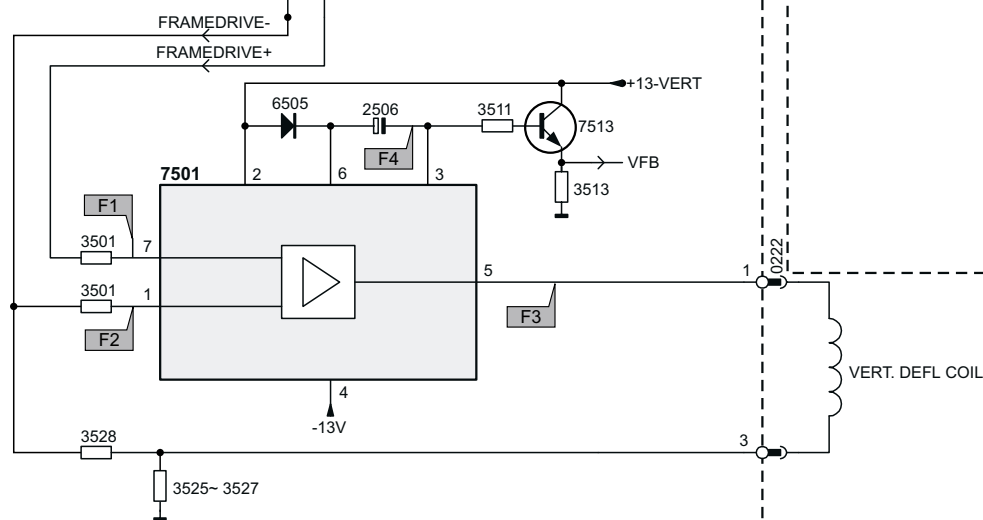
C 1 SYNC



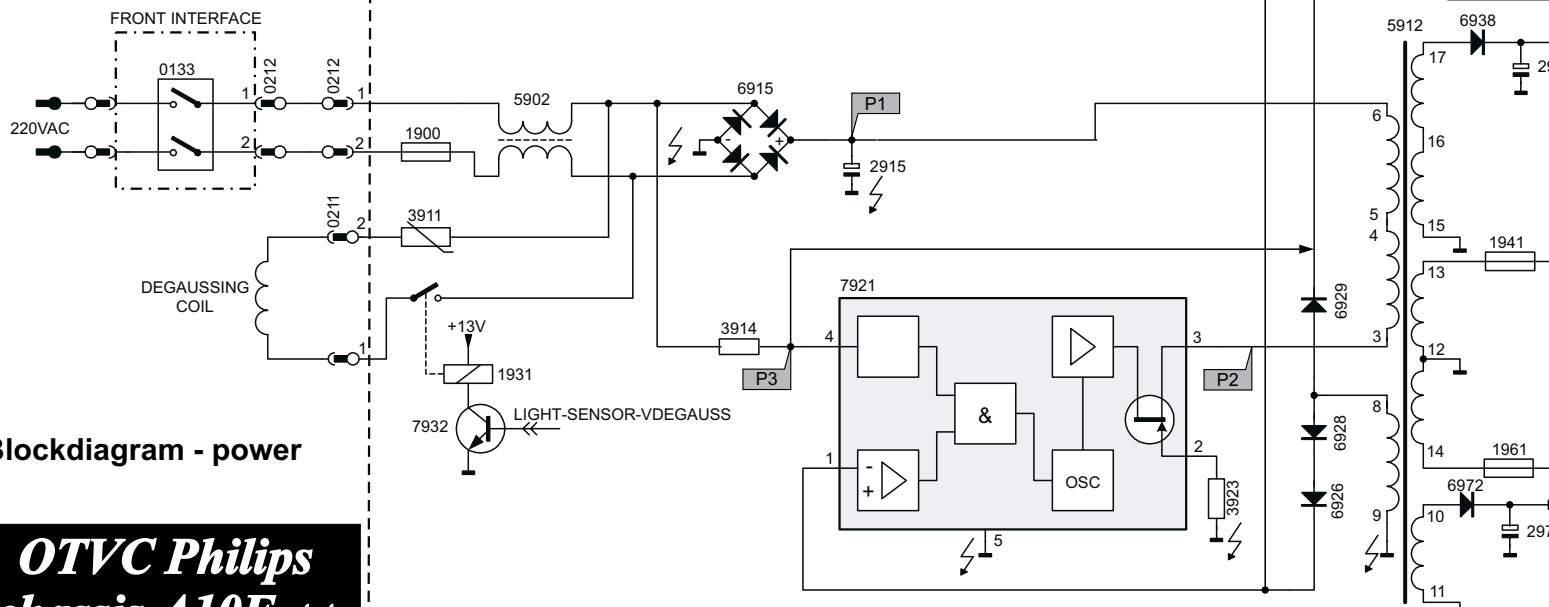
A 3 LINE DEFLECTION



A 3 FRAME DEFLECTION

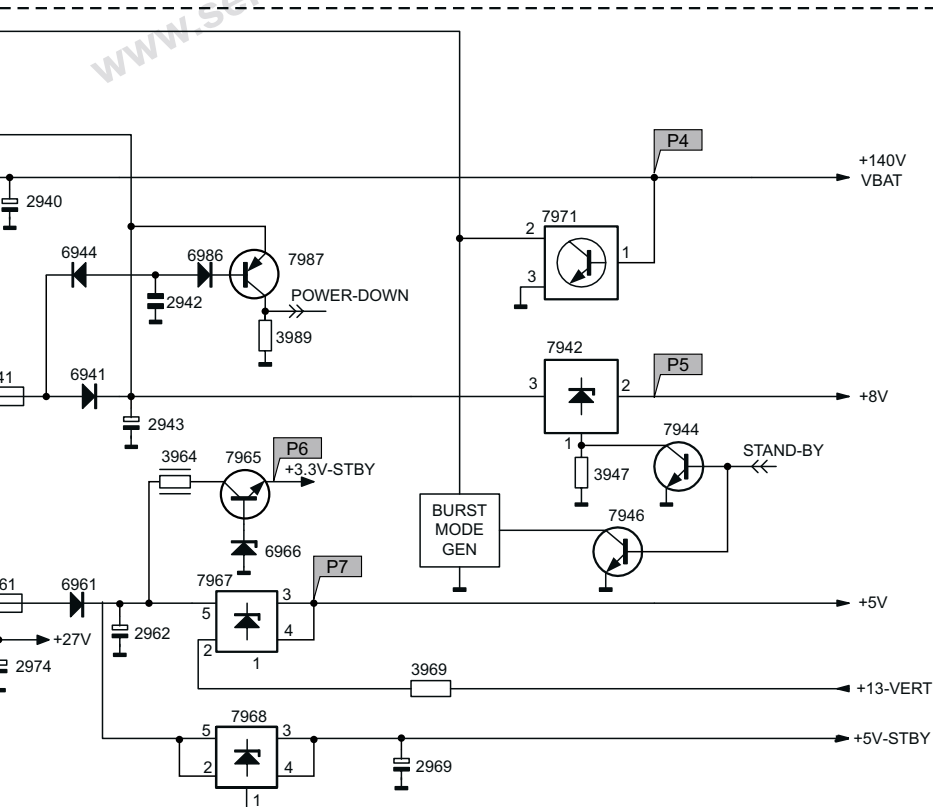
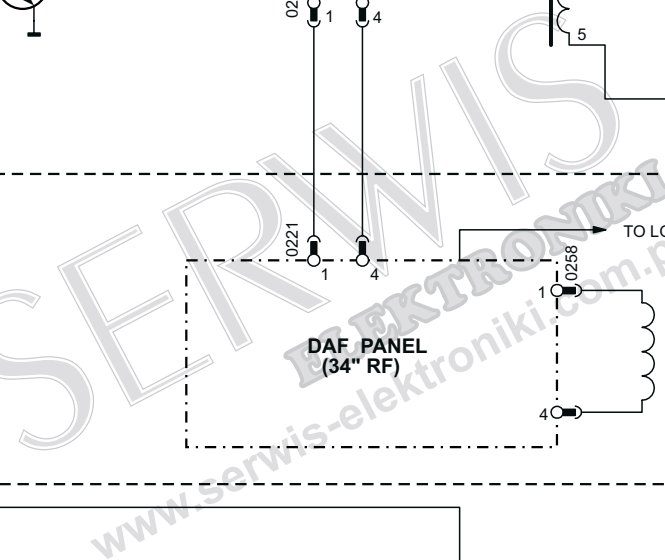


A 1 POWER SUPPLY

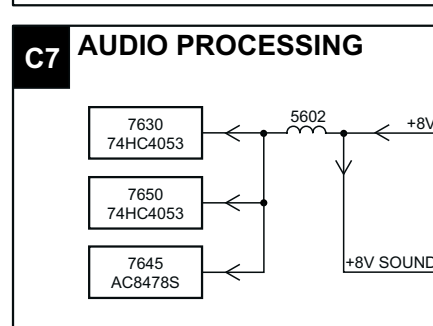
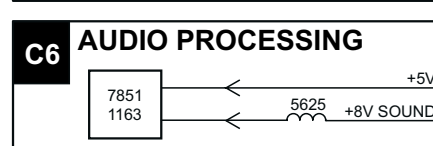
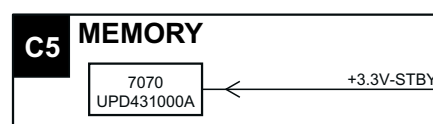
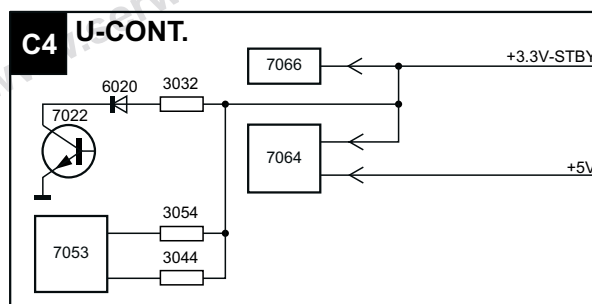
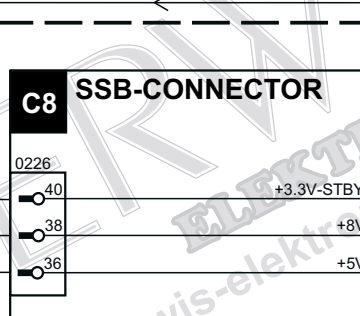
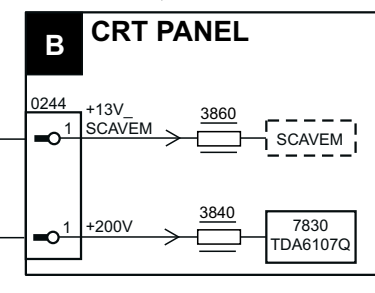
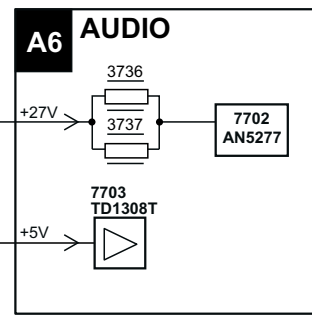
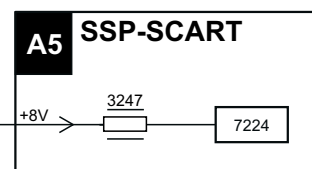
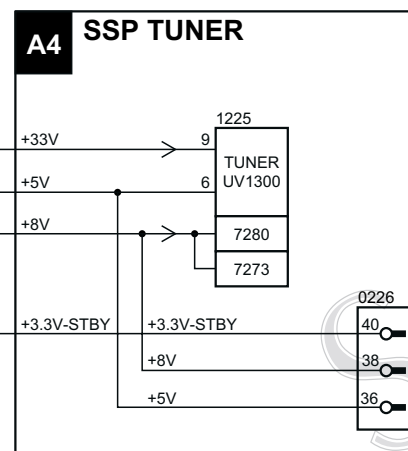
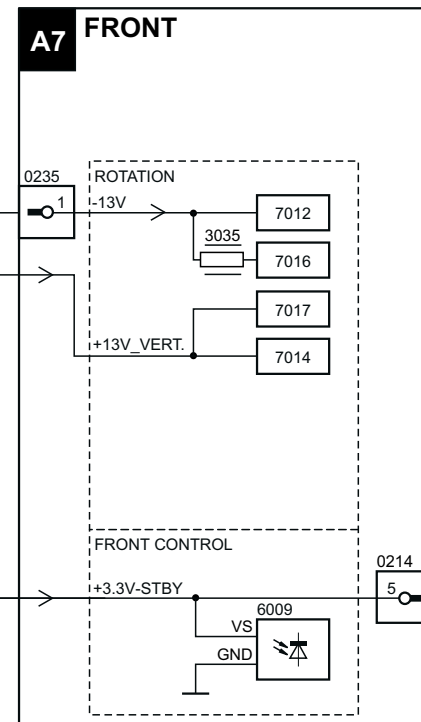
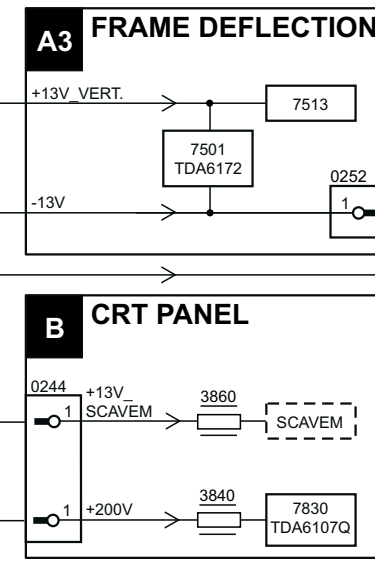
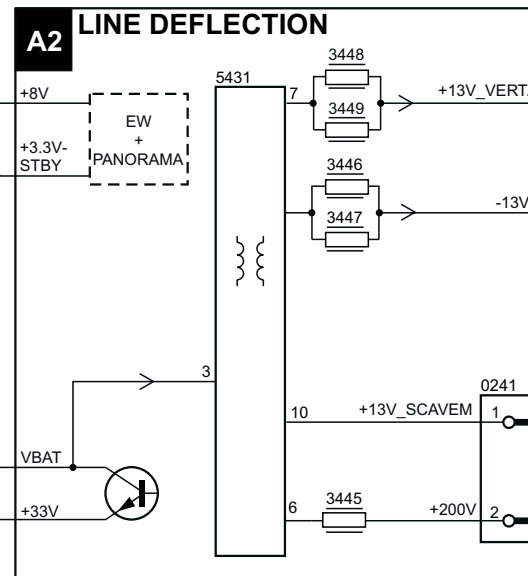
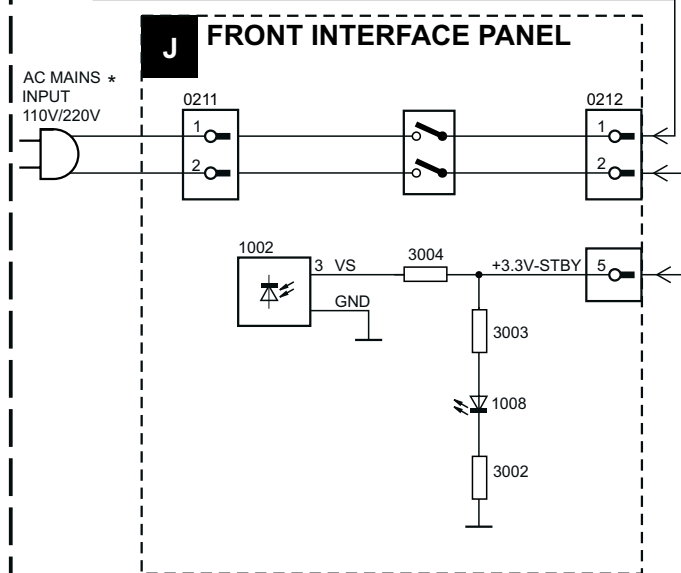
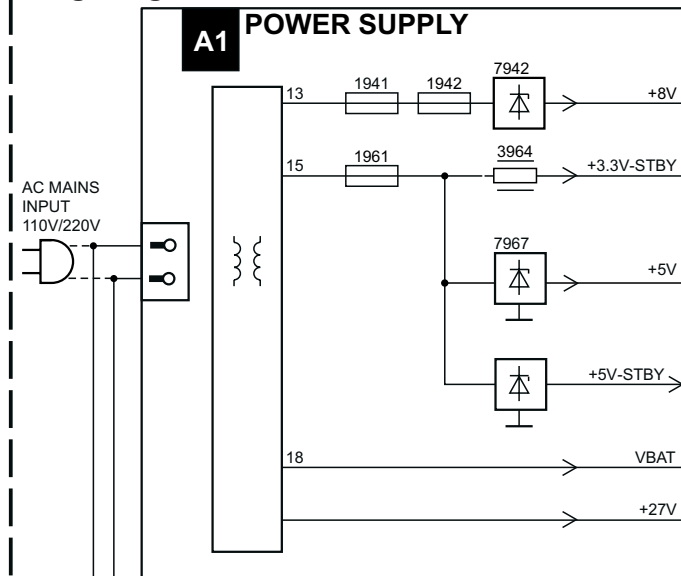


Blockdiagram - power

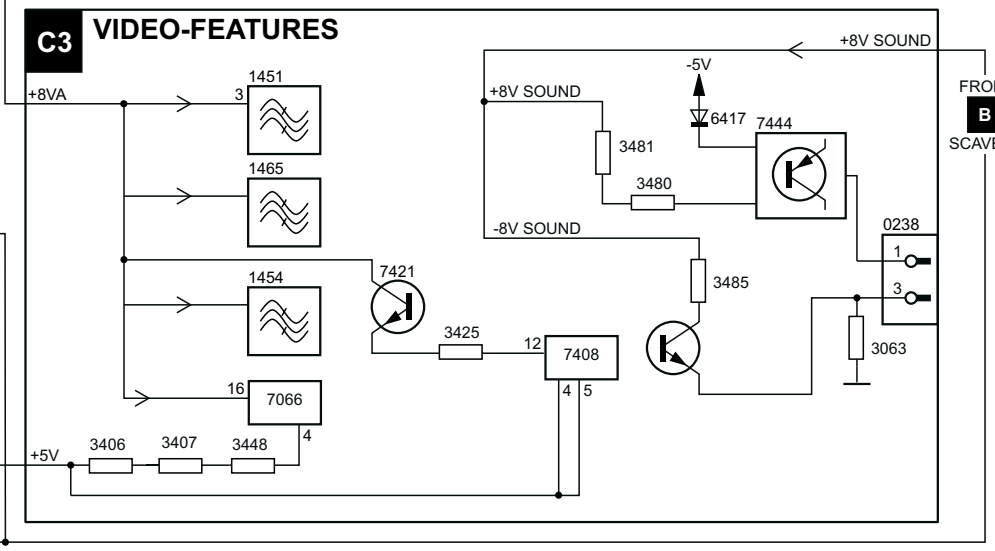
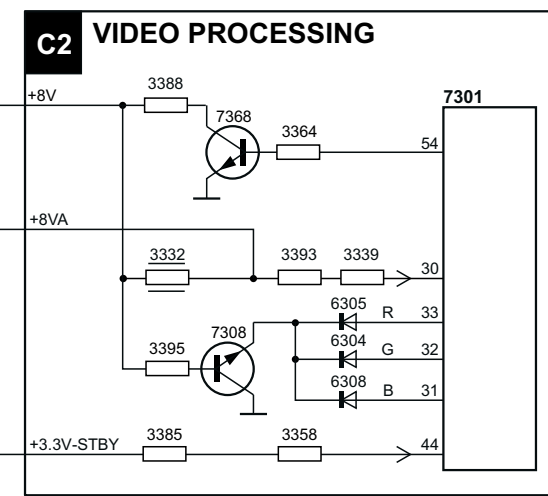
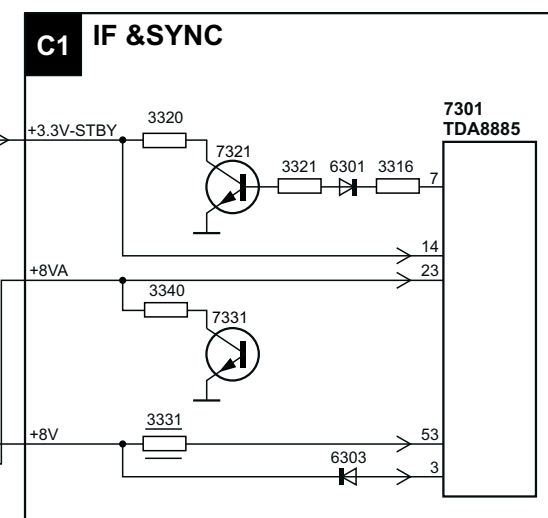
OTVC Philips
chassis A10E AA



Large Signal Panel



Small Signal Panel

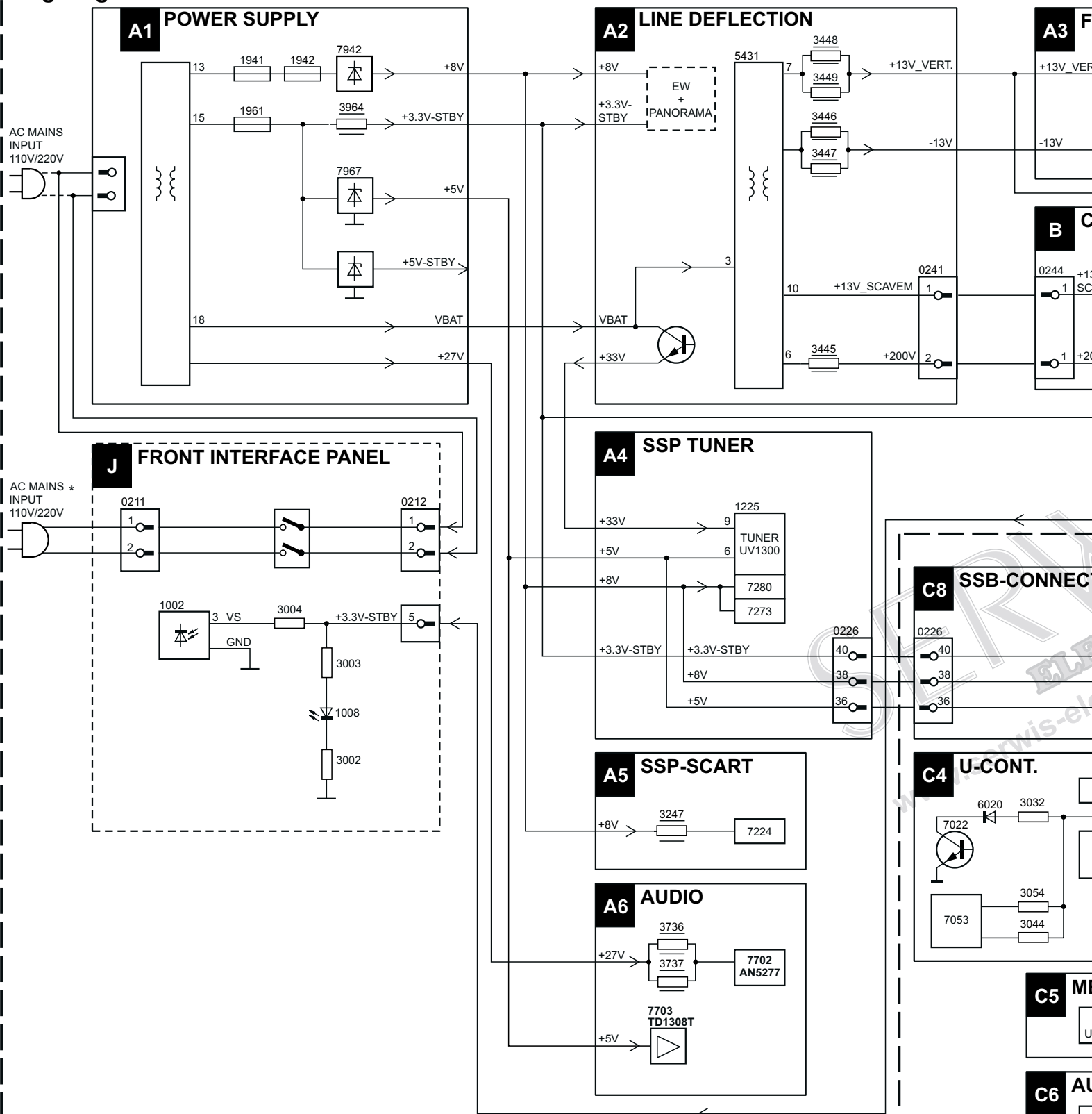


* Front interface panel plus connections present.
28" + 32" PW6305
28" + 32" PW6515
29" PW5515

Supply voltage diagram

OTVC Philips chassis A10E A4

Large Signal Panel



* Front interface panel plus connections present.

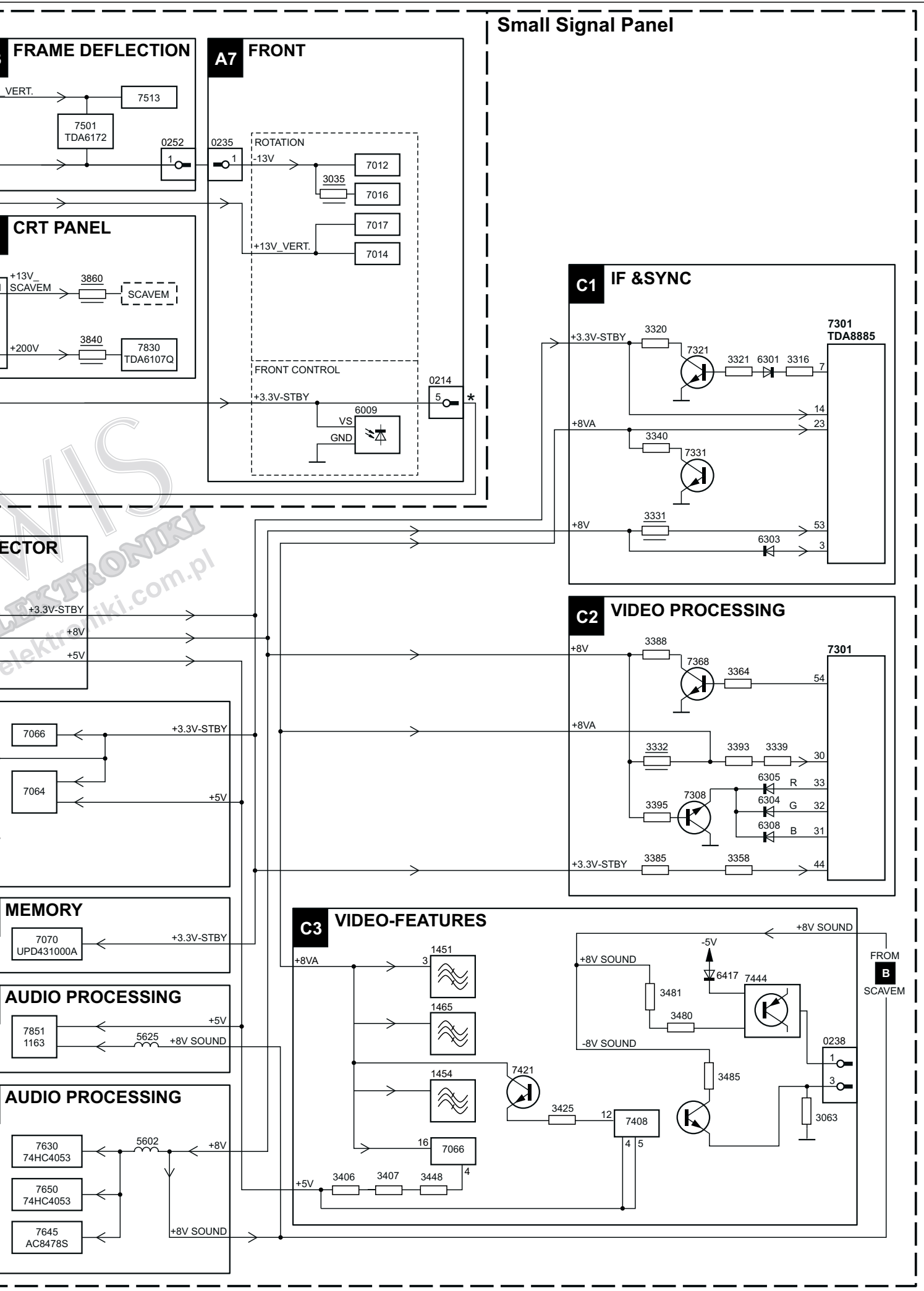
28" + 32" PW6305

28" + 32" PW6515

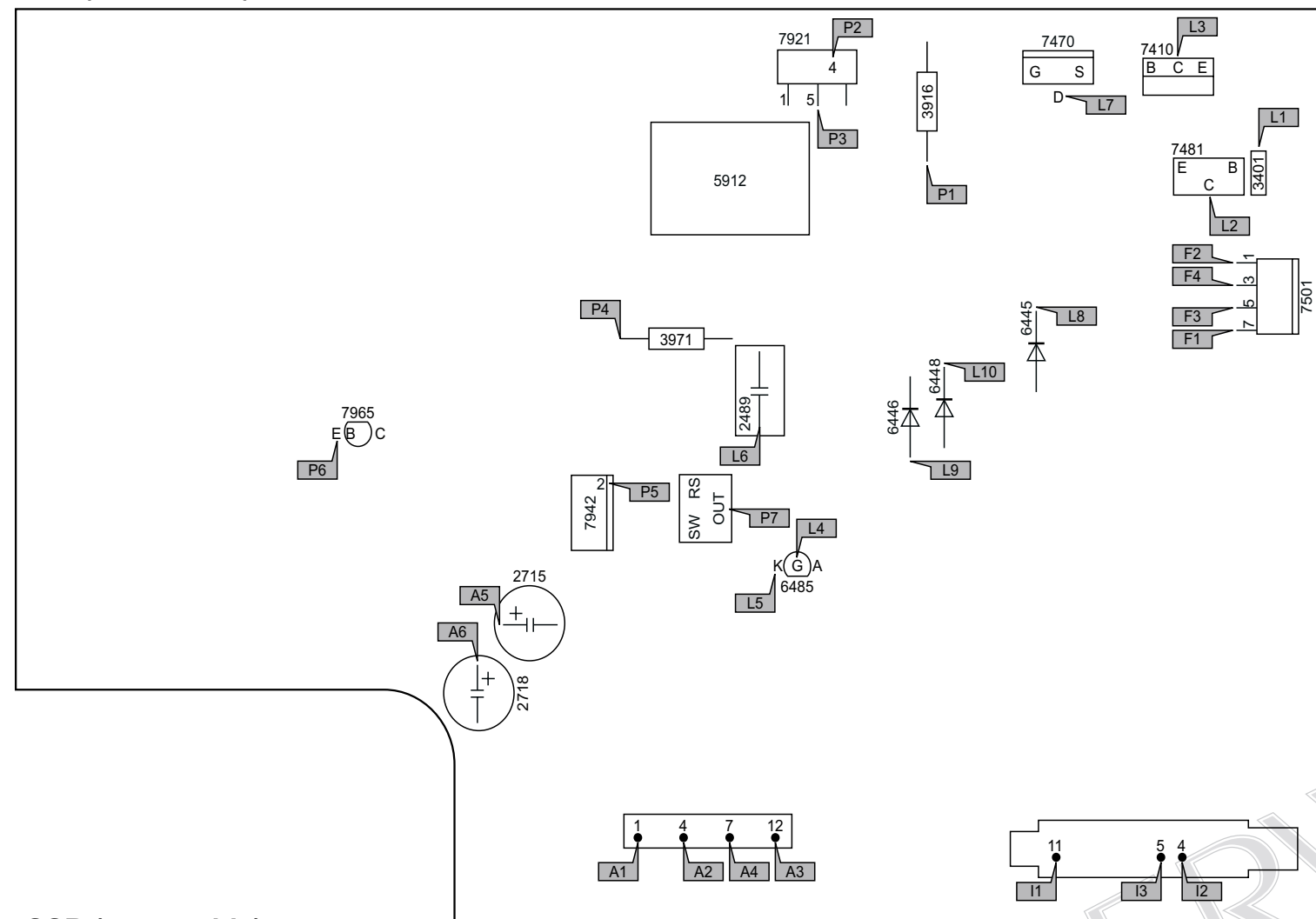
29" PW5515

Supply voltage diagram

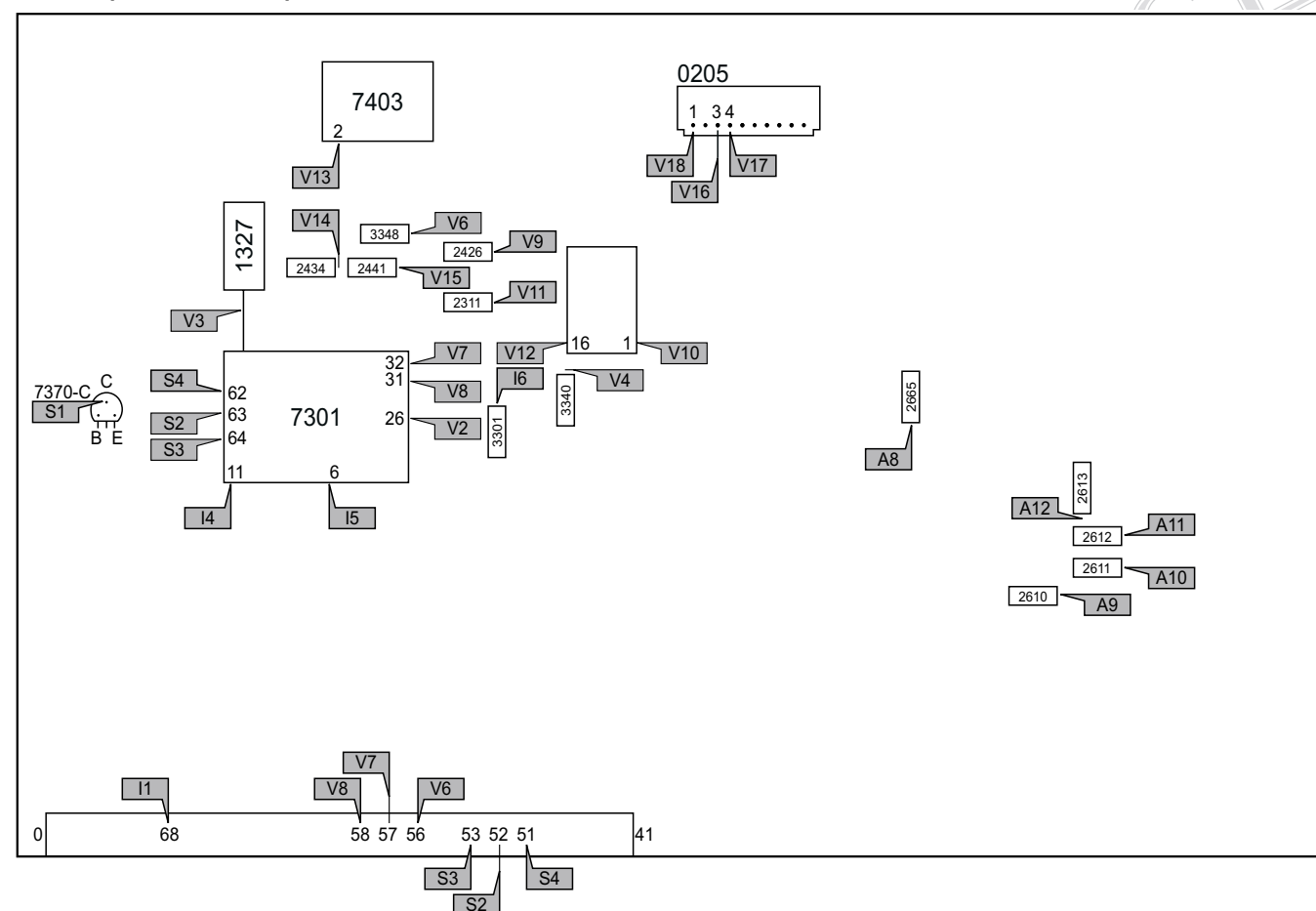
OTVC Philips chassis A10E AA



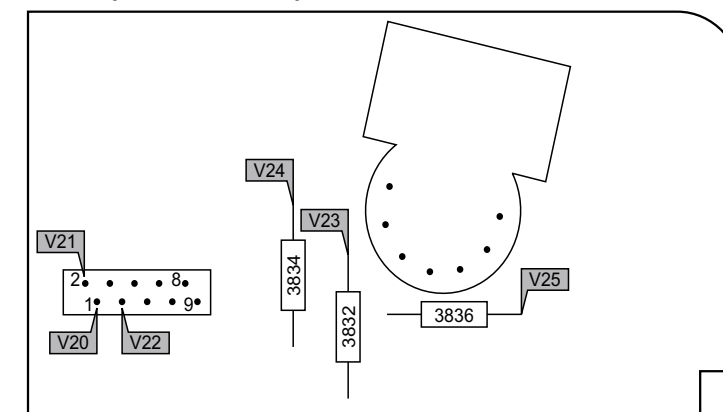
LSP (comp. side)



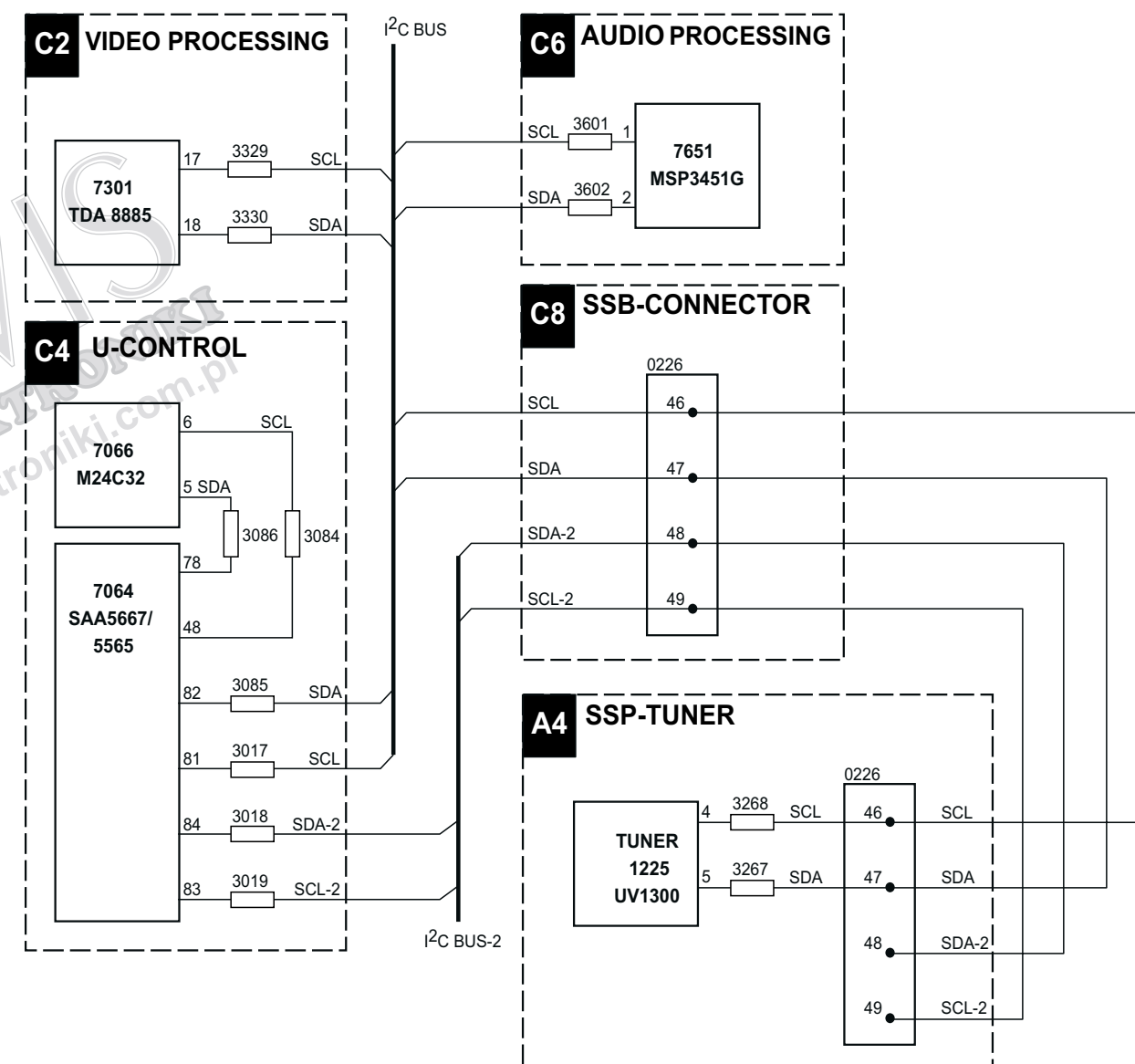
SSB (comp. side)



CRT (comp. Side)



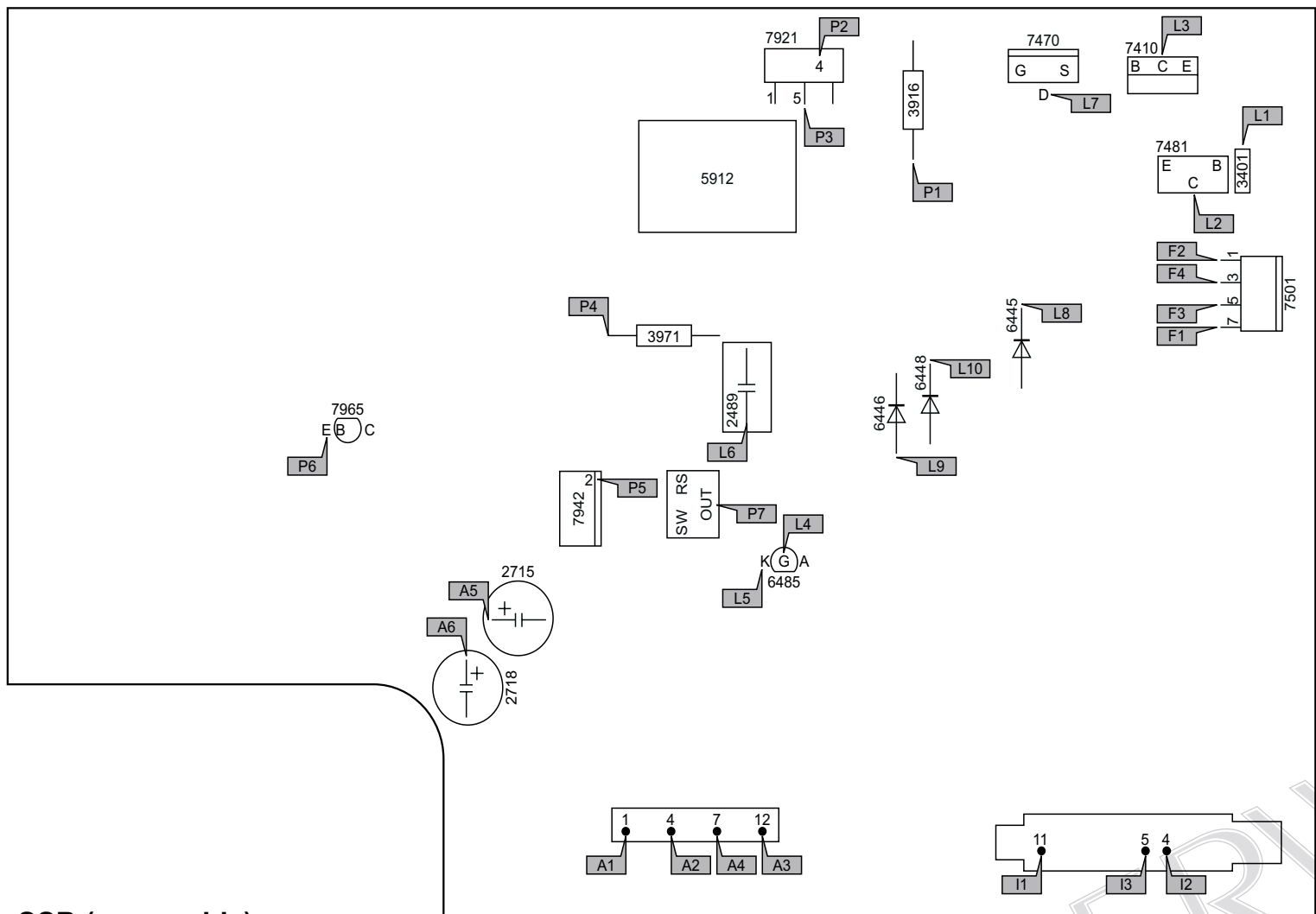
I²C overview



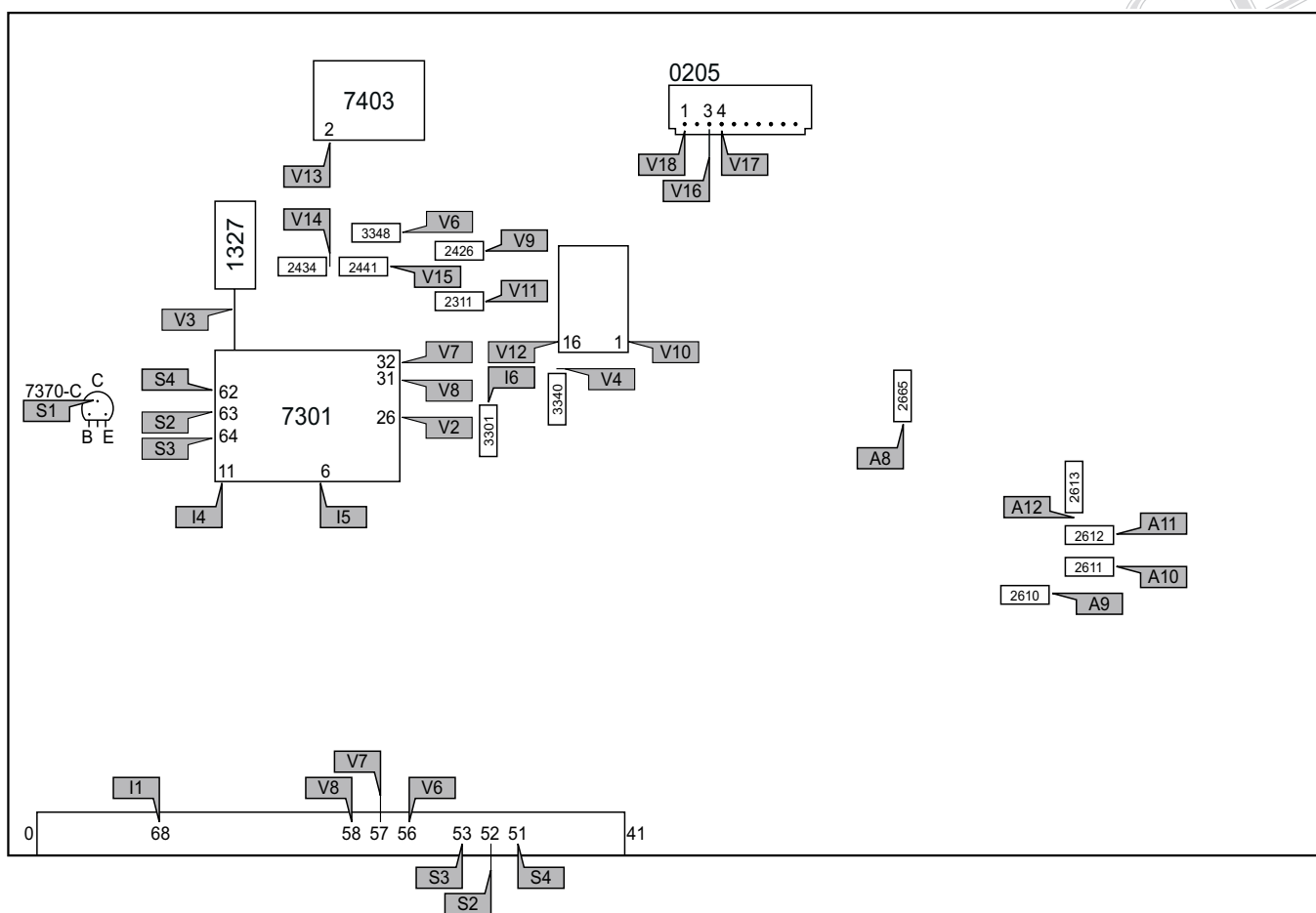
Testpoint overview

OTVC Philips chassis A10E AA

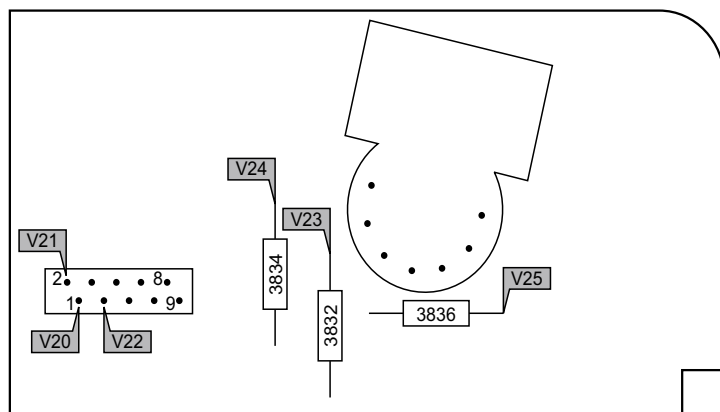
LSP (comp. side)



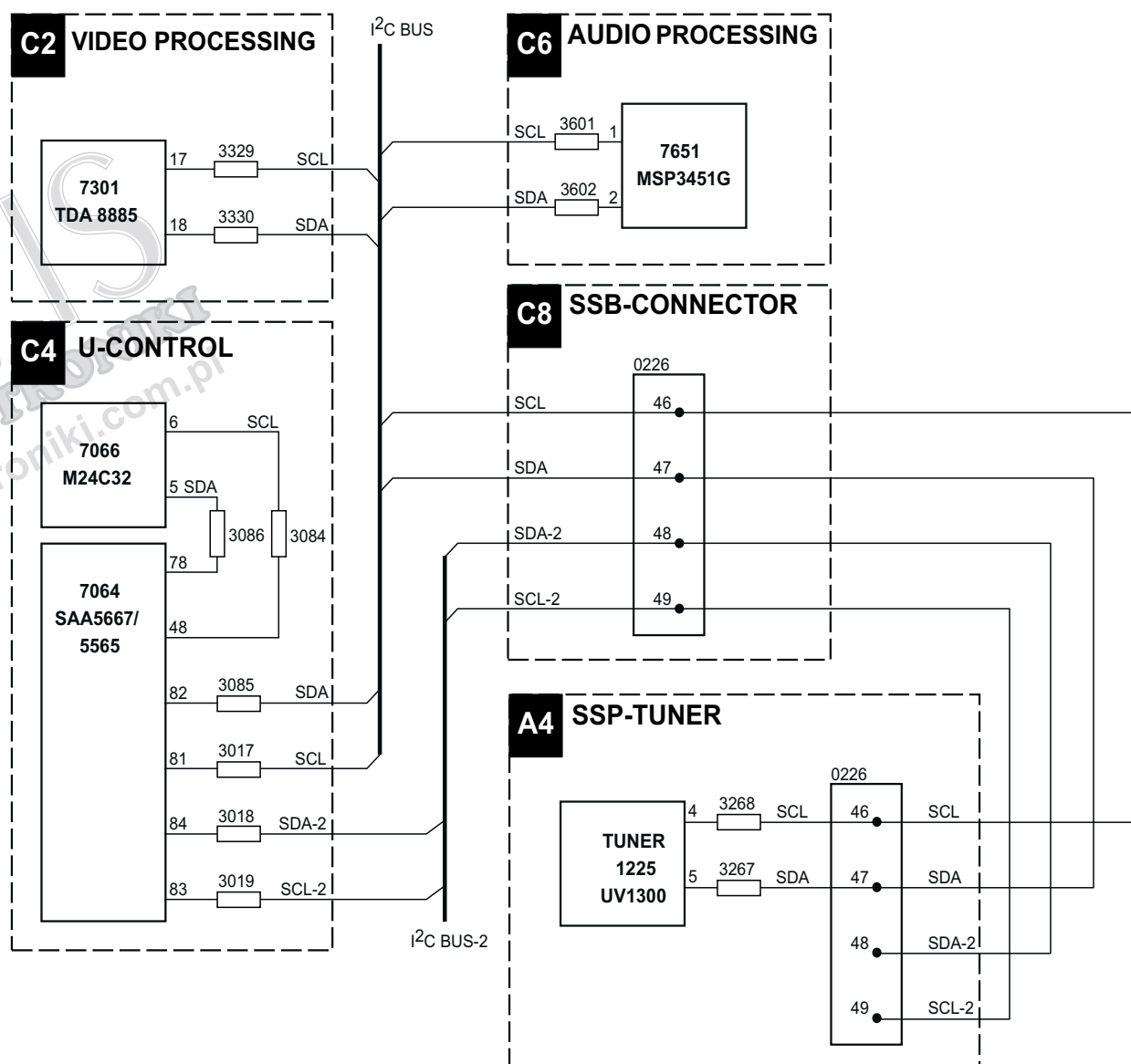
SSB (comp. side)



CRT (comp. Side)



I²C overview

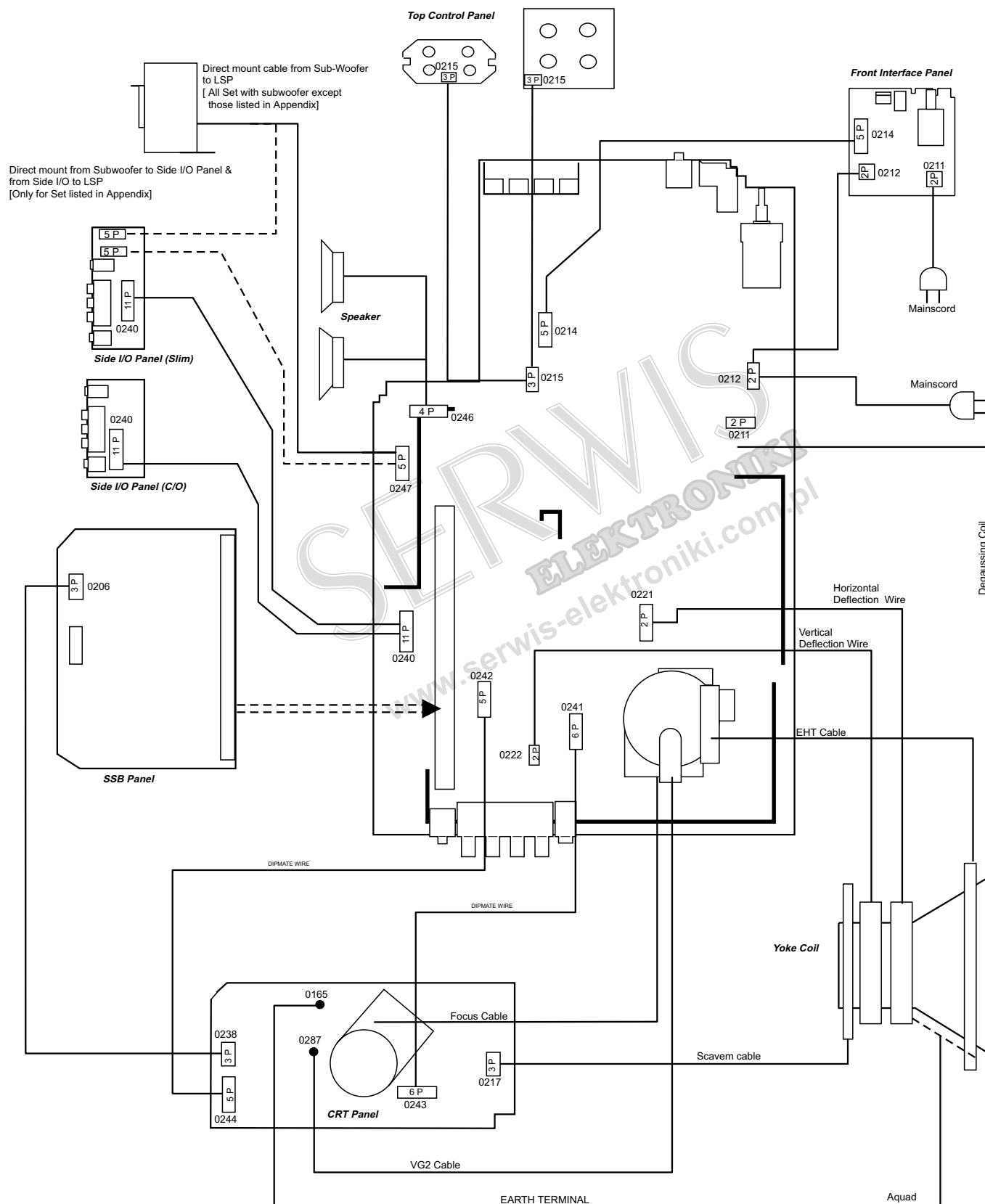


Testpoint overview

OTVC Philips chassis A10E AA

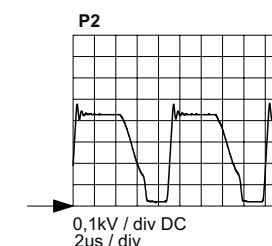
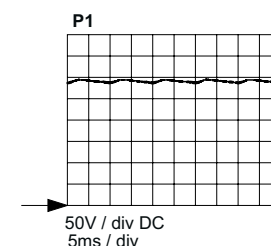
OTVC Philips chassis A10E AA

Wire Diagram (Basic Configuration)

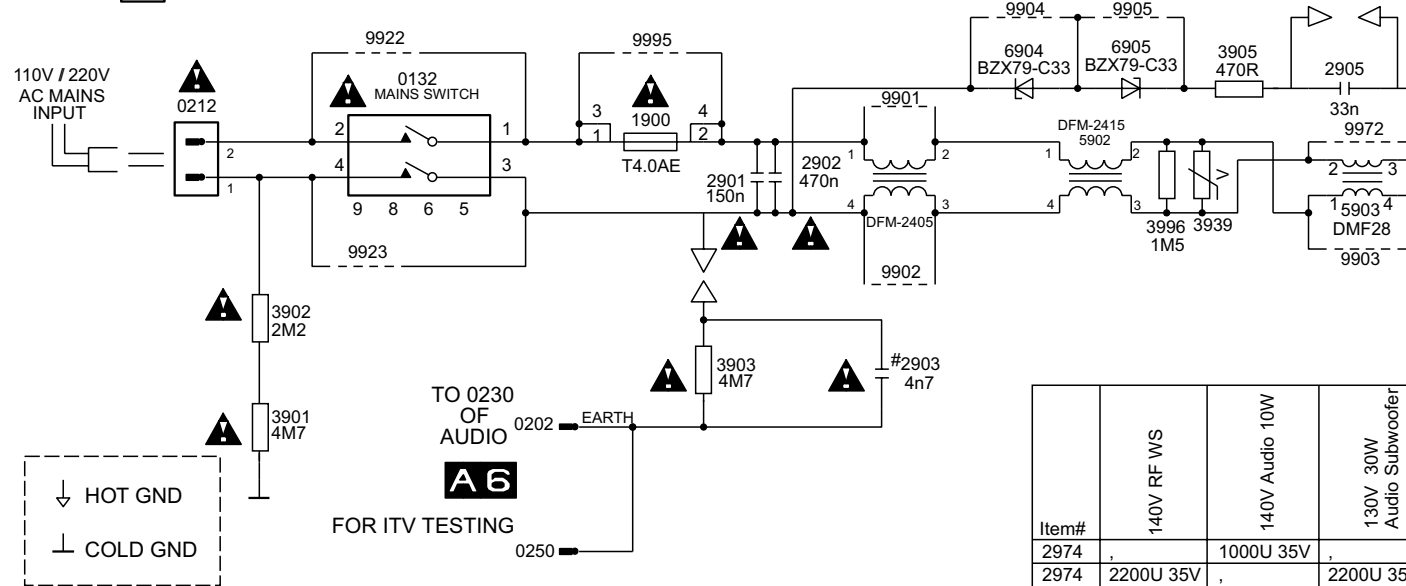
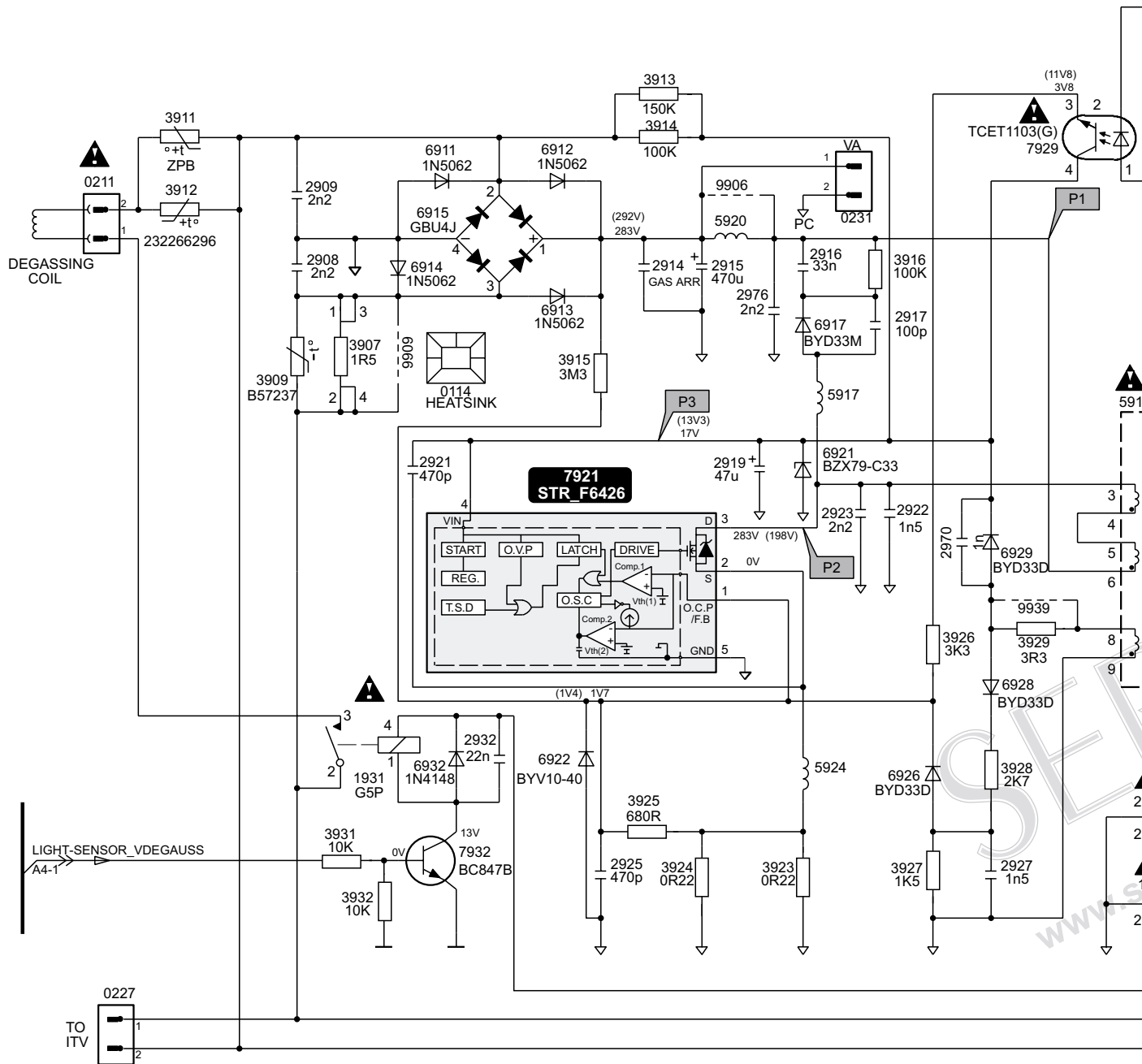




Item#	140V RF WS	140V Audio 10W	130V 30W Audio Subwoofer
2974	,	1000U 35V	,
2974	2200U 35V	,	2200U 35V
3901		4M7	
3902		2M2	,
7971	SE140N	SE140N	,
7971	,		SE130N
9922	jumper	,	jumper
9923	jumper	,	jumper



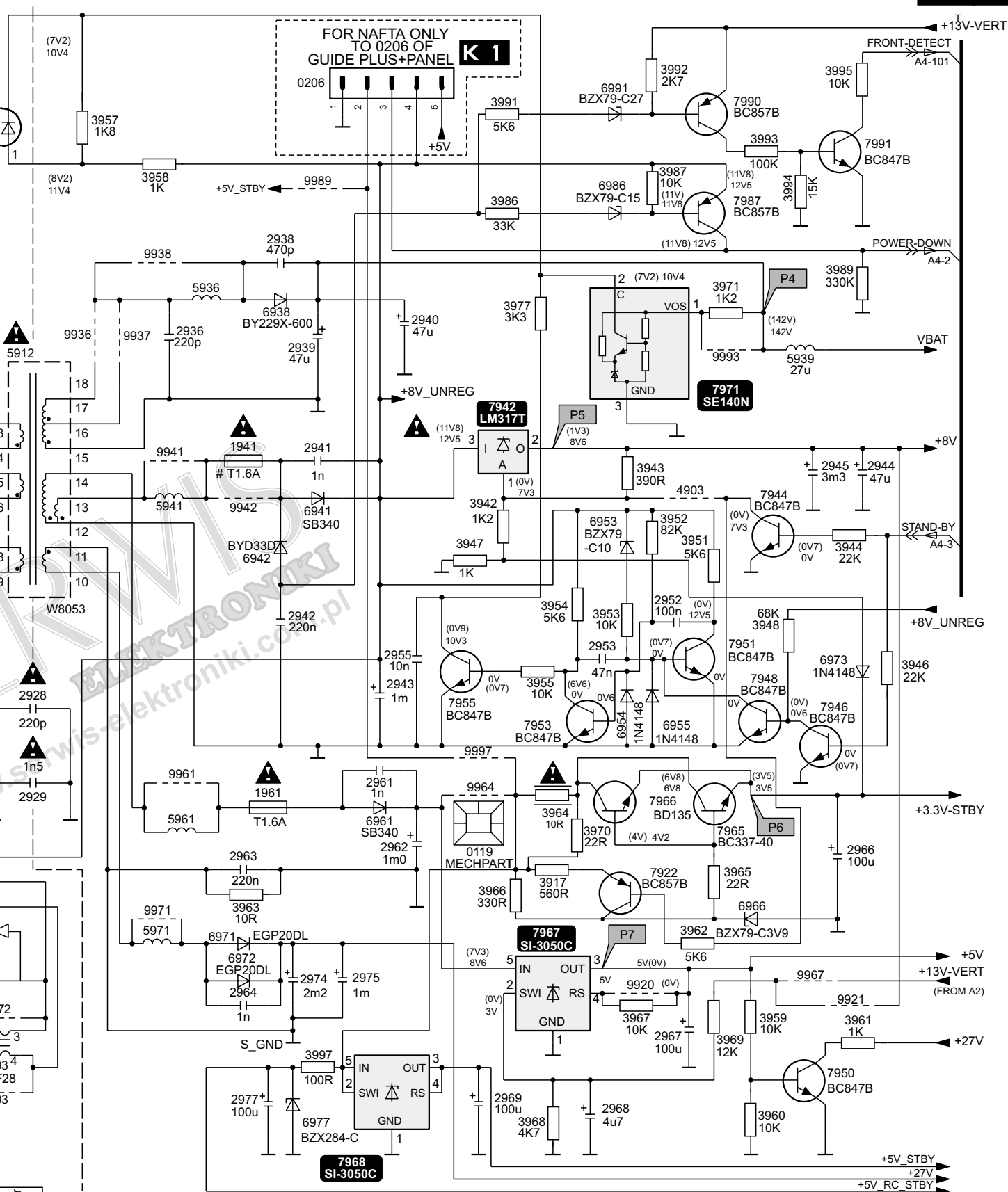
P3 17V DC
P4 140V DC
P5 8V
P6 3V3 DC
P7 5V DC



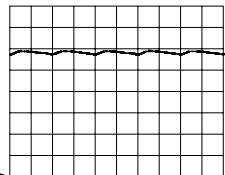
POWER SUPPLY

OTVC Philips chassis A10E AA

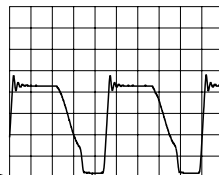
Item#	140V RF WS	140V Audio 10W	130V 30W Audio Subwoofer
2974	,	1000U 35V	,
2974	2200U 35V	,	2200U 35V
3901	,	4M7	,
3902	,	2M2	,
7971	SE140N	SE140N	,
7971	,	,	SE130N
9922	jumper	,	jumper
9923	jumper	,	jumper



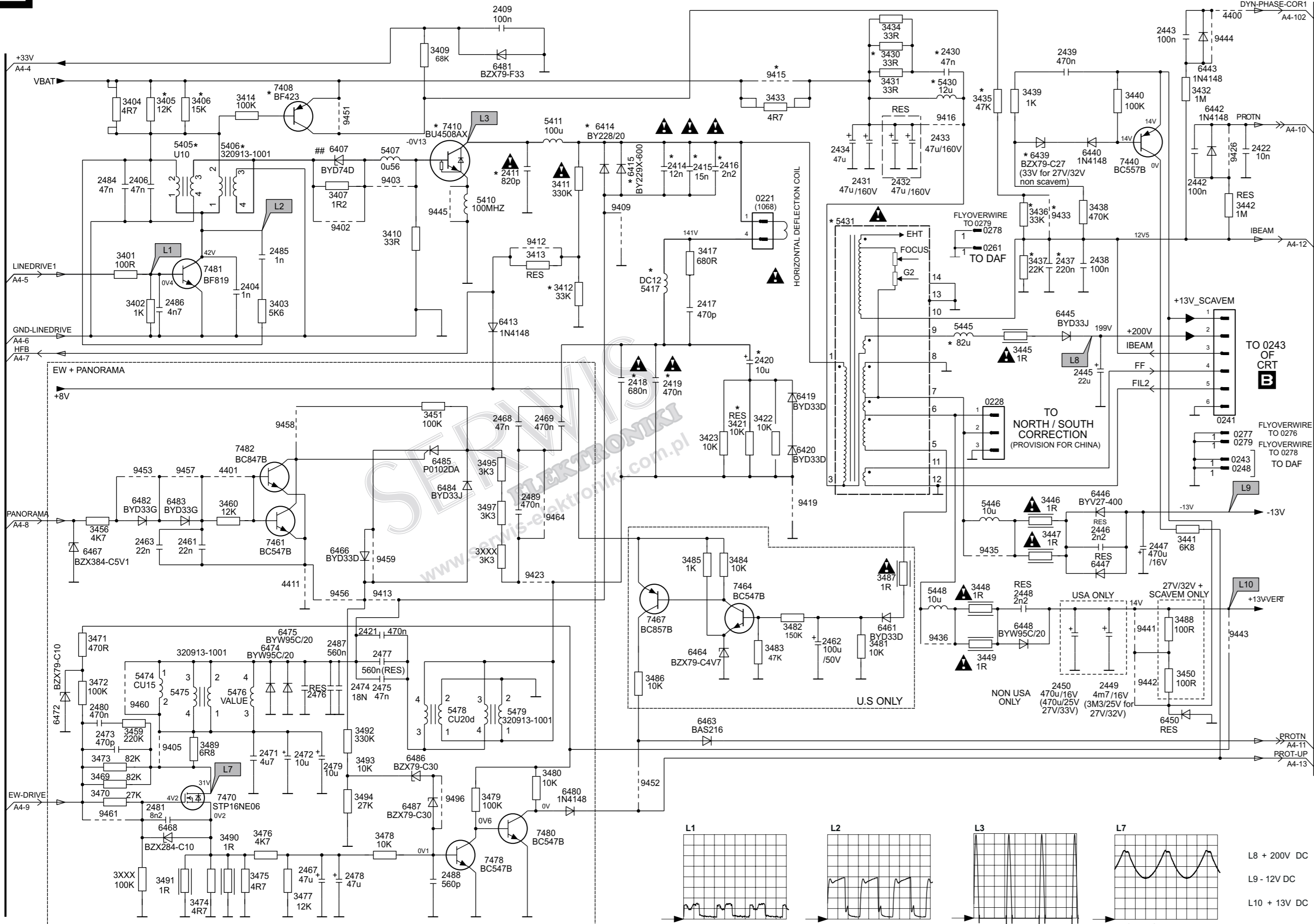
P1



P2



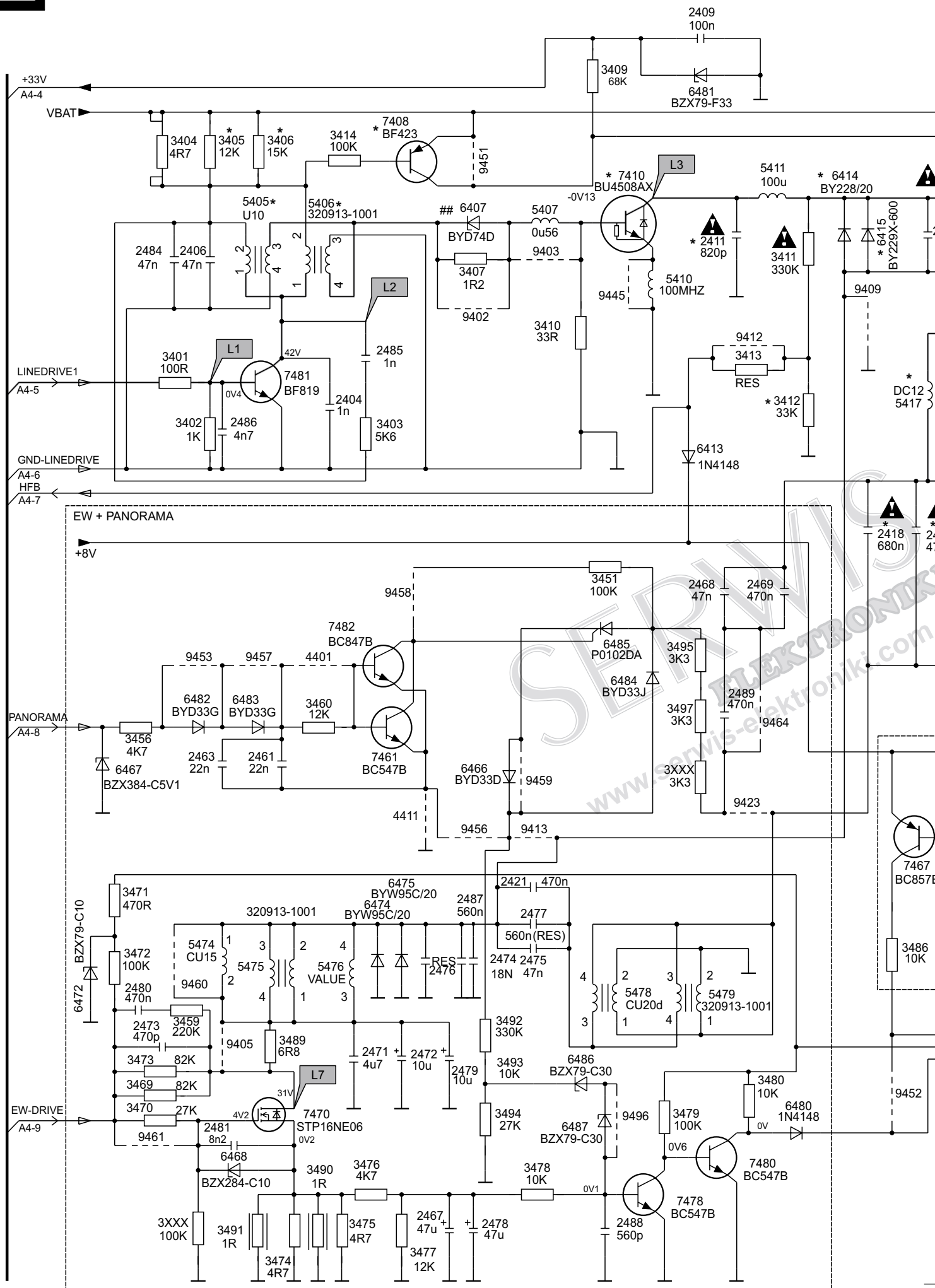
- P3 17V DC
P4 140V DC
P5 8V
P6 3V3 DC
P7 5V DC



Diversity table diagram A2

Item #	28" BLD WS	32" BLS WS	32" RF WS	24" BLD WS	32" BLS WSThompson	28" BLS WSThompson	29" RF
2271							50V / 1U
2411				1N 2KV			
2411	1N5 2KV	1N5 2KV	1N5 2KV		1N5 2KV	1N2 2KV	
2411							1N8 2KV
2416			820P 2K				
2416		1N 2KV					
2416	1N2 2KV						
2416					1N8 2KV	1N8 2KV	1N5 2KV
2416				2N2 2KV			
2419			430N 250V				360N 250V
2419							
2419	680N 2KV			680N 2KV		680N 2KV	
2419		820N 2KV			820N 2KV		
2420	4U7 2KV					4U7 2KV	
2420		2U2 160V	2U2 160V	2U2 160V	2U2 160V		2U2 160V
2430		27N 50V	27N 50V		27N 50V	27N 50V	
2430	10N 50V			10N 50V			15N 50V
2430							
2437				100N 250V		100N 250V	
2437	150N 250V		150N 250V				
2437		220N 250V			220N 250V		220N 250V
2449	470U 16V	470U 16V	470U 16V	470U 16V	470U 16V	470U 16V	
2449							470U 25V
2474							27N 400V
2474	7N5 1K6V	7N5 1K6V	7N5 1K6V	7N5 1K6V		7N5 1K6V	
2474					9N1 1K6V		
2477	430N 250V	430N 250V	430N 250V	430N 250V		430N 250V	
2477					470N 250V		
2487	7N5 1K6V	7N5 1K6V	7N5 1K6V	7N5 1K6V		7N5 1K6V	
2487					9N1 1K6V		
3272							100K
3403	3K3	3K3	3K3	3K3	3K3	3K3	
3403							5K6
3405	4K7		4K7	4K7			4K7
3405		5K6			5K6	5K6	
3430							15R
3430	33R	33R	33R	33R	33R	33R	
3435		27K			27K		
3435			39K			39K	39K
3435	47K			47K			
3436						39K	39K
3436		56K			56K		
3436	68K			68K			

OTVC Philips chassis A10E AA



Diversity table diagram A2

Item #	28" BLD WS	32" BLS WS	32" RF WS	24" BLD WS	32" BLS WSThompson	28" BLS WSThompson	29" RF
2271	,	,	,	,	,	,	50V / 1U
2411	,	,	,	1N 2KV	,	,	,
2411	,	,	,	,	,	1N2 2KV	,
2411	1N5 2KV	1N5 2KV	1N5 2KV	,	1N5 2KV	,	,
2411	,	,	,	,	,	,	1N8 2KV
2416	,	,	820P 2K	,	,	,	,
2416	,	1N 2KV	,	,	,	,	,
2416	1N2 2KV	,	,	,	,	,	,
2416	,	,	,	,	,	,	1N5 2KV
2416	,	,	,	,	1N8 2KV	1N8 2KV	,
2416	,	,	,	2N2 2KV	,	,	,
2419	,	,	,	,	,	,	360N 250V
2419	,	,	430N 250V	,	,	,	,
2419	,	,	,	,	,	,	,
2419	680N 2KV	,	,	680N 2KV	,	680N 2KV	,
2419	,	820N 2KV	,	,	820N 2KV	,	,
2420	4U7 2KV	,	,	,	,	4U7 2KV	,
2420	,	2U2 160V	2U2 160V	2U2 160V	2U2 160V	,	2U2 160V
2430	,	27N 50V	27N 50V	,	27N 50V	27N 50V	,
2430	10N 50V	,	,	10N 50V	,	,	,
2430	,	,	,	,	,	,	15N 50V
2437	,	,	,	100N 250V	,	100N 250V	,
2437	150N 250V	,	150N 250V	,	,	,	,
2437	,	220N 250V	,	,	220N 250V	,	220N 250V
2449	470U 16V	470U 16V	470U 16V	470U 16V	470U 16V	470U 16V	,
2449	,	,	,	,	,	,	470U 25V
2474	,	,	,	,	,	,	27N 400V
2474	7N5 1K6V	7N5 1K6V	7N5 1K6V	7N5 1K6V	,	7N5 1K6V	,
2474	,	,	,	,	9N1 1K6V	,	,
2477	430N 250V	430N 250V	430N 250V	430N 250V	,	430N 250V	,
2477	,	,	,	,	470N 250V	,	,
2487	7N5 1K6V	7N5 1K6V	7N5 1K6V	7N5 1K6V	,	7N5 1K6V	,
2487	,	,	,	,	9N1 1K6V	,	,
3272	,	,	,	,	,	,	100K
3403	3K3	3K3	3K3	3K3	3K3	3K3	,
3403	,	,	,	,	,	,	5K6
3405	4K7	,	4K7	4K7	,	,	4K7
3405	,	5K6	,	,	5K6	5K6	,
3430	,	,	,	,	,	,	15R
3430	33R	33R	33R	33R	33R	33R	,
3435	,	27K	,	,	27K	,	,
3435	,	,	39K	,	,	39K	39K
3435	47K	,	,	47K	,	,	,
3436	,	,	,	,	,	39K	39K
3436	,	56K	,	,	56K	,	,
3436	68K	,	,	68K	,	,	,

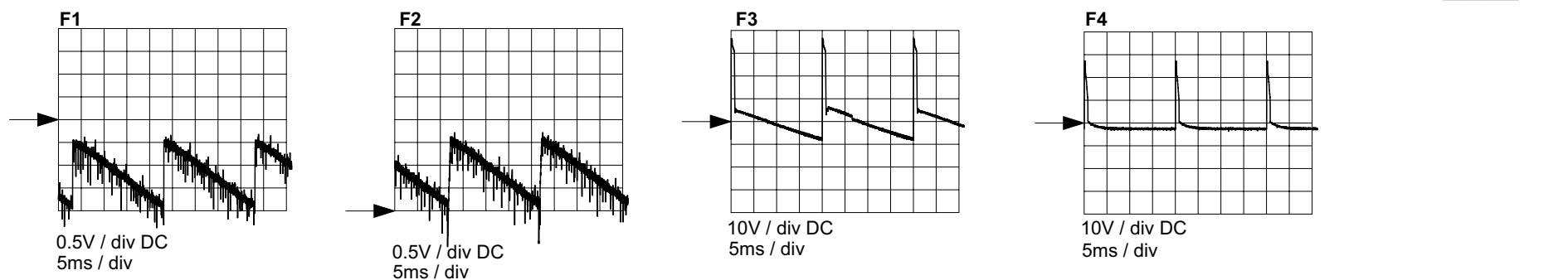
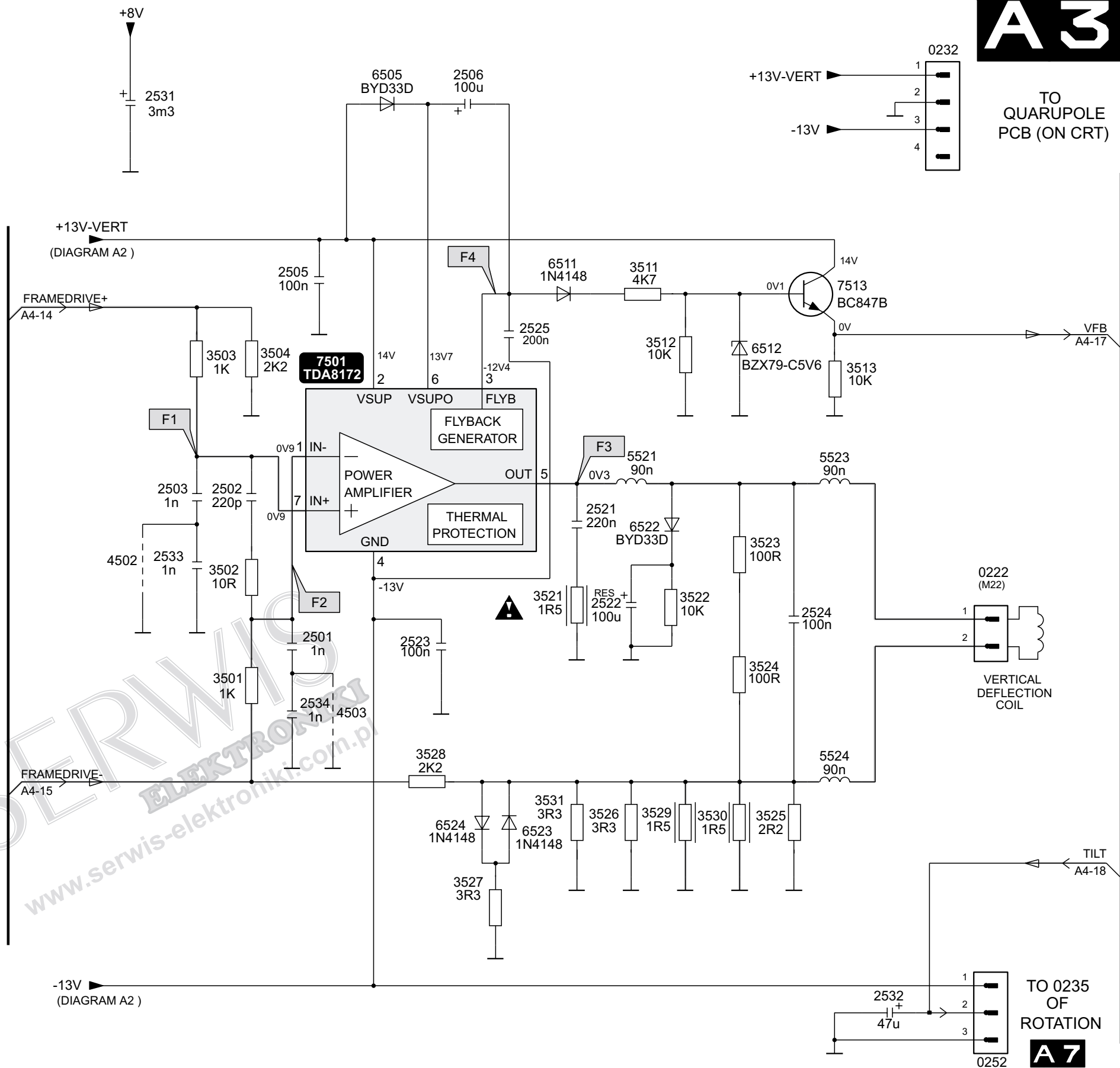
OTVC Philips chassis A10E AA

Item #	28" BLD WS	32" BLS WS	32" RF WS	24" BLD WS	32" BLS WSThomsn	28" BLS WSThomsn	29" RF
2271							50V / 1U
2411				1N 2KV			
2411					1N2 2KV		
2411	1N5 2KV	1N5 2KV	1N5 2KV		1N5 2KV		
2411							1N8 2KV
2416			820P 2KV				
2416		1N 2KV					
2416	1N2 2KV						
2416							1N5 2KV
2416					1N8 2KV	1N8 2KV	
2416				2N2 2KV			
2419							360N 250V
2419			430N 250V				
2419							
2419	680N 2KV			680N 2KV	680N 2KV		
2419		820N 2KV			820N 2KV		
2420	4U7 2KV					4U7 2KV	
2420		2U2 160V	2U2 160V	2U2 160V	2U2 160V		2U2 160V
2430		27N 50V	27N 50V		27N 50V	27N 50V	
2430	10N 50V			10N 50V			
2430							15N 50V
2437				100N 250V		100N 250V	
2437	150N 250V		150N 250V				
2437		220N 250V			220N 250V		220N 250V
2449	470U 16V	470U 16V	470U 16V	470U 16V	470U 16V	470U 16V	
2449							470U 25V
2474							27N 400V
2474	7N5 1K6V	7N5 1K6V	7N5 1K6V	7N5 1K6V		7N5 1K6V	
2474					9N1 1K6V		
2477	430N 250V	430N 250V	430N 250V	430N 250V		430N 250V	
2477					470N 250V		
2487	7N5 1K6V	7N5 1K6V	7N5 1K6V	7N5 1K6V		7N5 1K6V	
2487					9N1 1K6V		
3272							100K
3403	3K3	3K3	3K3	3K3	3K3	3K3	
3403							5K6
3405	4K7		4K7	4K7			4K7
3405		5K6			5K6	5K6	
3430							15R
3430	33R	33R	33R	33R	33R	33R	
3435		27K			27K		
3435			39K			39K	39K
3435	47K			47K			
3436						39K	39K
3436		56K			56K		
3436							
3436	68K			68K			

FRAME DEFLECTION

OTVC Philips chassis A10E A4

TO
QUARUPOLE
PCB (ON CRT)

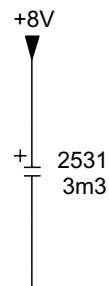


A3

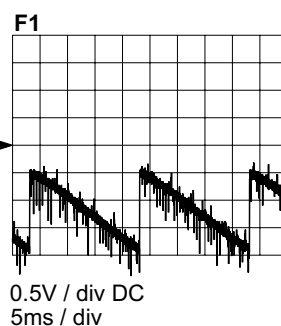
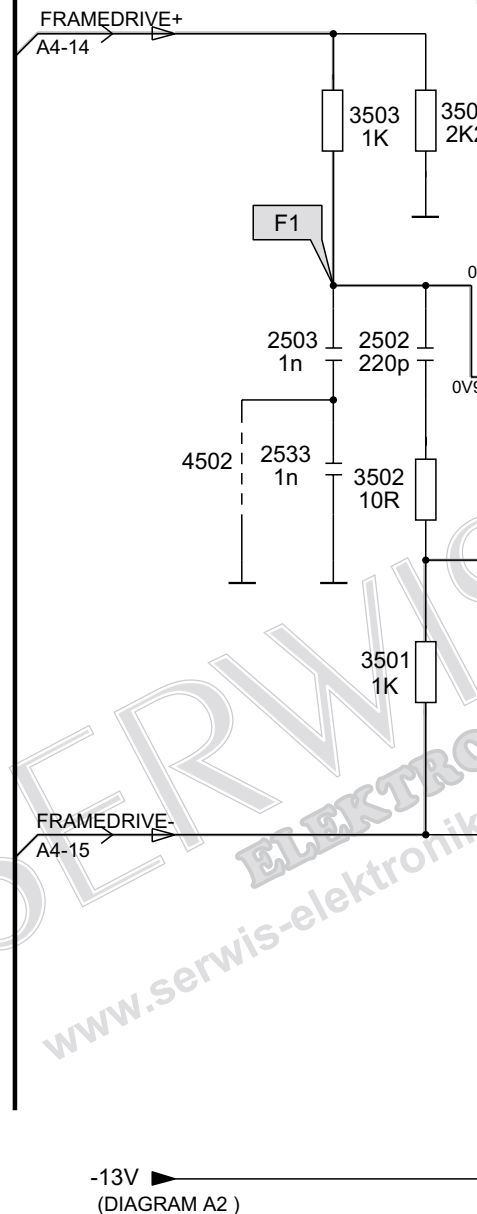
Item #	28" BLD WS	32" BLS WS	32" RF WS	24" BLD WS	32" BLS WSThompson	28" BLS WSThompson	29" RF
2271	,	,	,	,	,	,	50V / 1U
2411	,	,	,	1N 2KV	,	,	,
2411	,	,	,	,	,	1N2 2KV	,
2411	1N5 2KV	1N5 2KV	1N5 2KV	,	1N5 2KV	,	,
2411	,	,	,	,	,	,	1N8 2KV
2416	,	,	820P 2KV	,	,	,	,
2416	,	1N 2KV	,	,	,	,	,
2416	1N2 2KV	,	,	,	,	,	,
2416	,	,	,	,	,	,	1N5 2KV
2416	,	,	,	,	1N8 2KV	1N8 2KV	,
2416	,	,	,	2N2 2KV	,	,	,
2419	,	,	,	,	,	,	360N 250V
2419	,	,	430N 250V	,	,	,	,
2419	,	,	,	,	,	,	,
2419	680N 2KV	,	,	680N 2KV	,	680N 2KV	,
2419	,	820N 2KV	,	,	820N 2KV	,	,
2420	4U7 2KV	,	,	,	4U7 2KV	,	,
2420	,	2U2 160V	2U2 160V	2U2 160V	2U2 160V	,	2U2 160V
2430	,	27N 50V	27N 50V	,	27N 50V	27N 50V	,
2430	10N 50V	,	,	10N 50V	,	,	,
2430	,	,	,	,	,	,	15N 50V
2437	,	,	,	100N 250V	,	100N 250V	,
2437	150N 250V	,	150N 250V	,	,	,	,
2437	,	220N 250V	,	,	220N 250V	,	220N 250V
2449	470U 16V	470U 16V	470U 16V	470U 16V	470U 16V	470U 16V	,
2449	,	,	,	,	,	,	470U 25V
2474	,	,	,	,	,	,	27N 400V
2474	7N5 1K6V	7N5 1K6V	7N5 1K6V	7N5 1K6V	,	7N5 1K6V	,
2474	,	,	,	,	9N1 1K6V	,	,
2477	430N 250V	430N 250V	430N 250V	430N 250V	,	430N 250V	,
2477	,	,	,	,	470N 250V	,	,
2487	7N5 1K6V	7N5 1K6V	7N5 1K6V	7N5 1K6V	,	7N5 1K6V	,
2487	,	,	,	,	9N1 1K6V	,	,
3272	,	,	,	,	,	,	100K
3403	3K3	3K3	3K3	3K3	3K3	3K3	,
3403	,	,	,	,	,	,	5K6
3405	4K7	,	4K7	4K7	,	,	4K7
3405	,	5K6	,	,	5K6	5K6	,
3430	,	,	,	,	,	,	15R
3430	33R	33R	33R	33R	33R	33R	,
3435	,	27K	,	,	27K	,	,
3435	,	,	39K	,	,	39K	39K
3435	47K	,	,	47K	,	,	,
3436	,	,	,	,	,	39K	39K
3436	,	,	47K	,	,	,	,
3436	,	56K	,	,	56K	,	,
3436	68K	,	,	68K	,	,	,

FRAME DEFLECTION

OTVC Philips chassis A10E AA

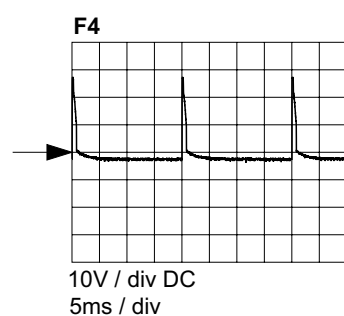
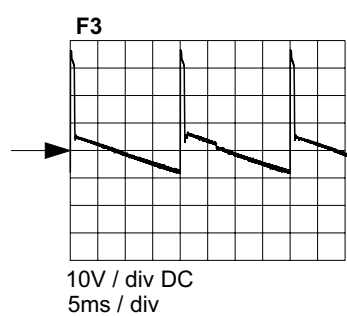
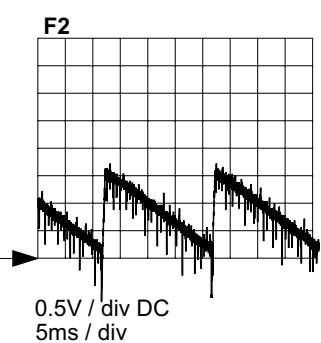
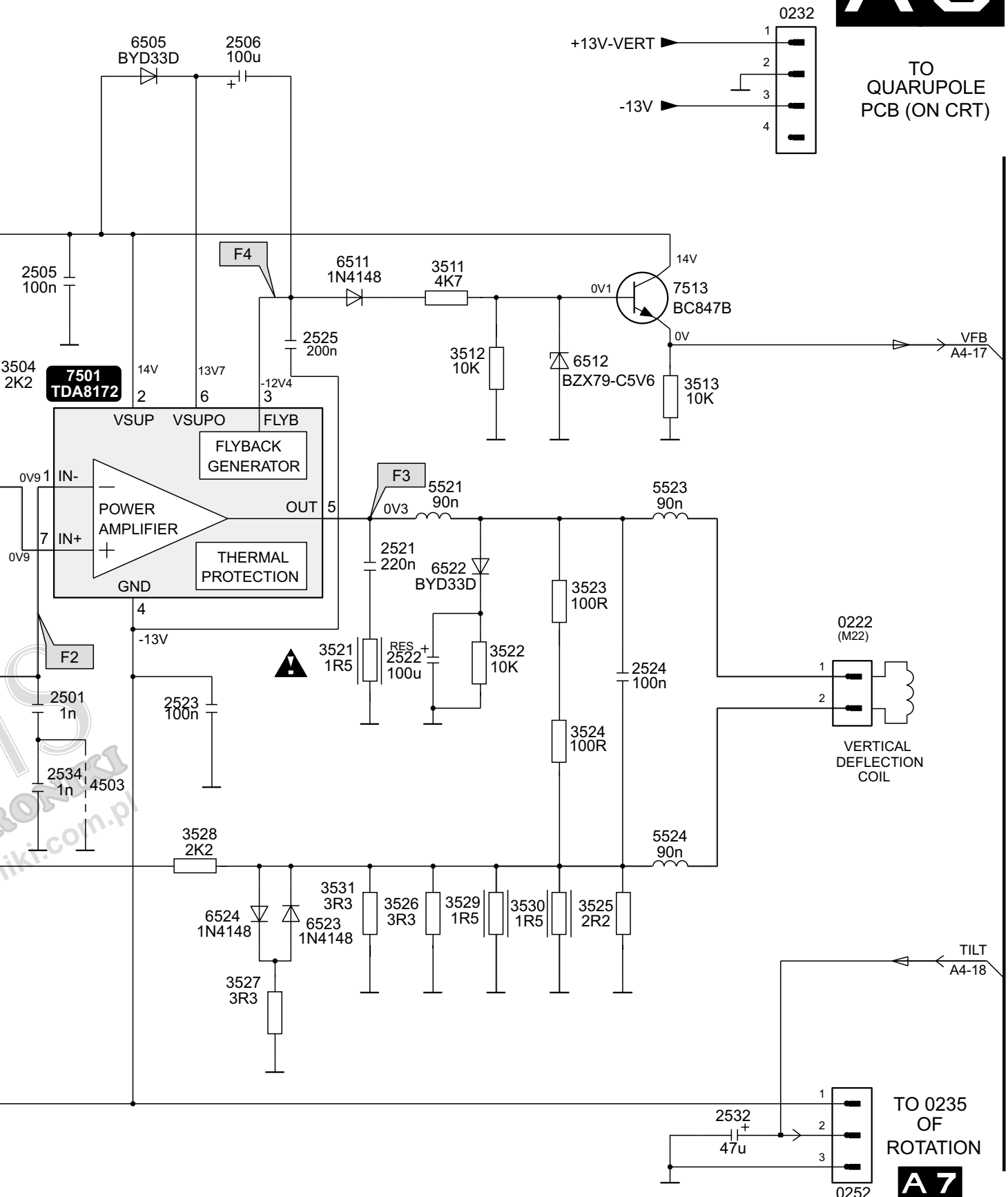


+13V-VERT
(DIAGRAM A2)



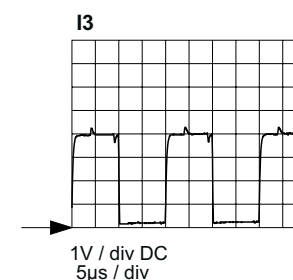
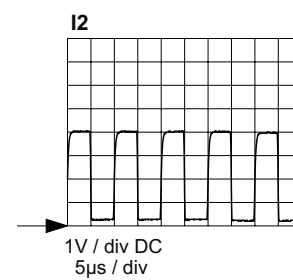
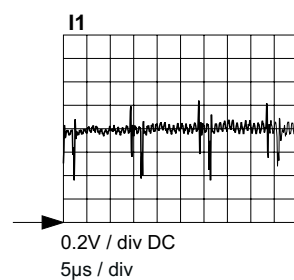
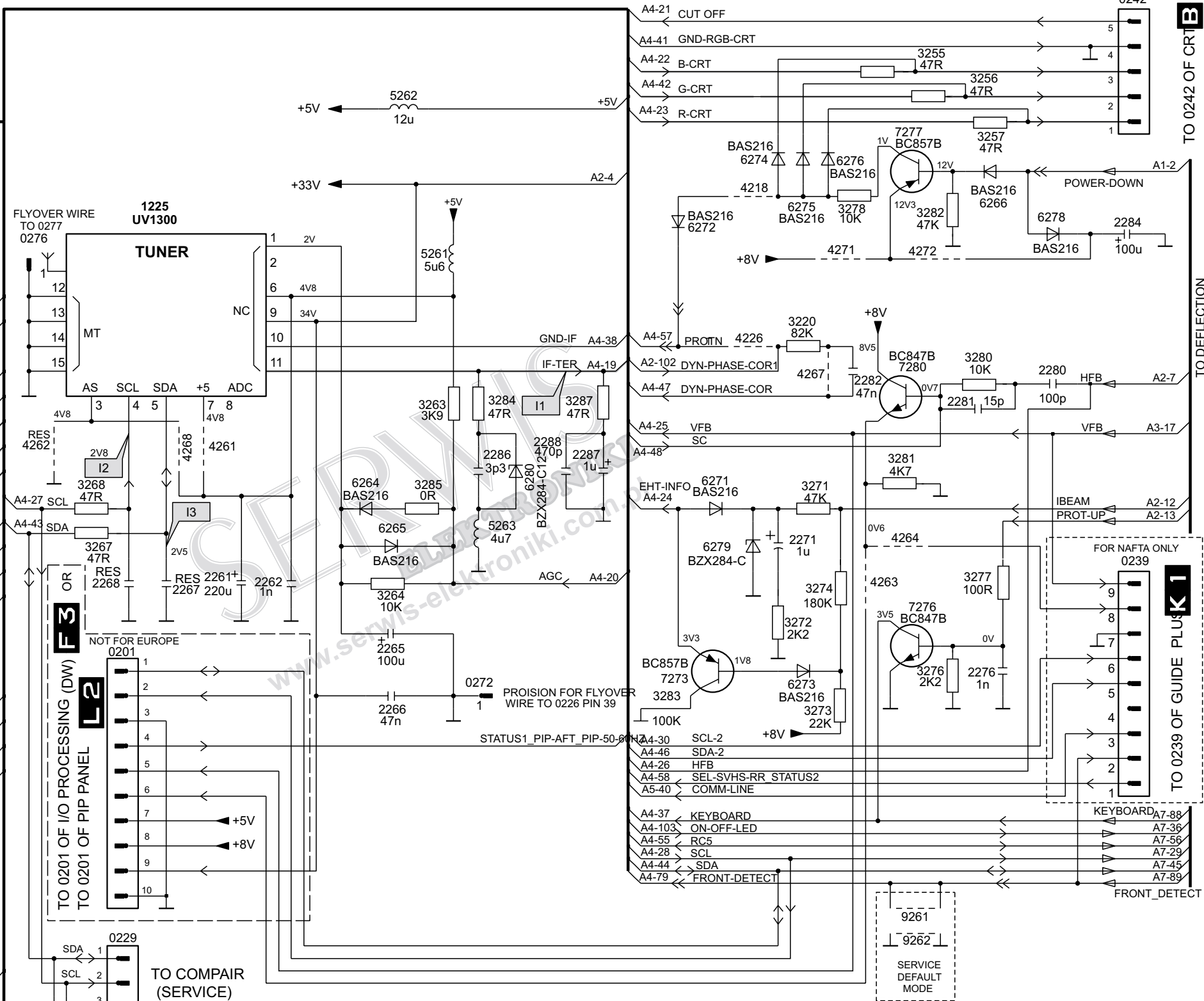
A3

TO
QUARUPOLE
PCB (ON CRT)



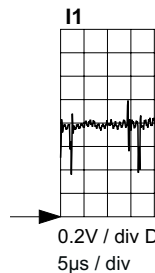
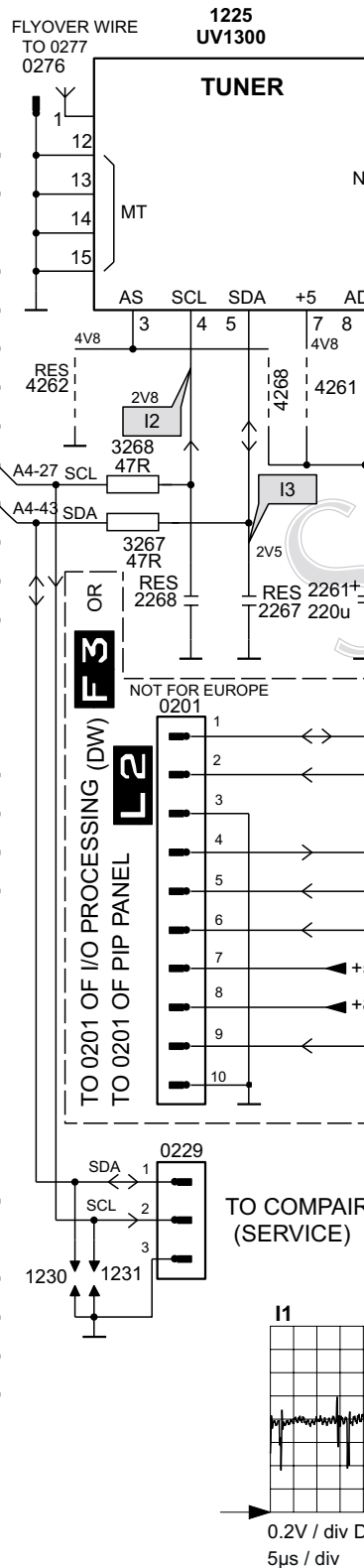
TO 0226
OF SSB-CONNECT OR
C 6

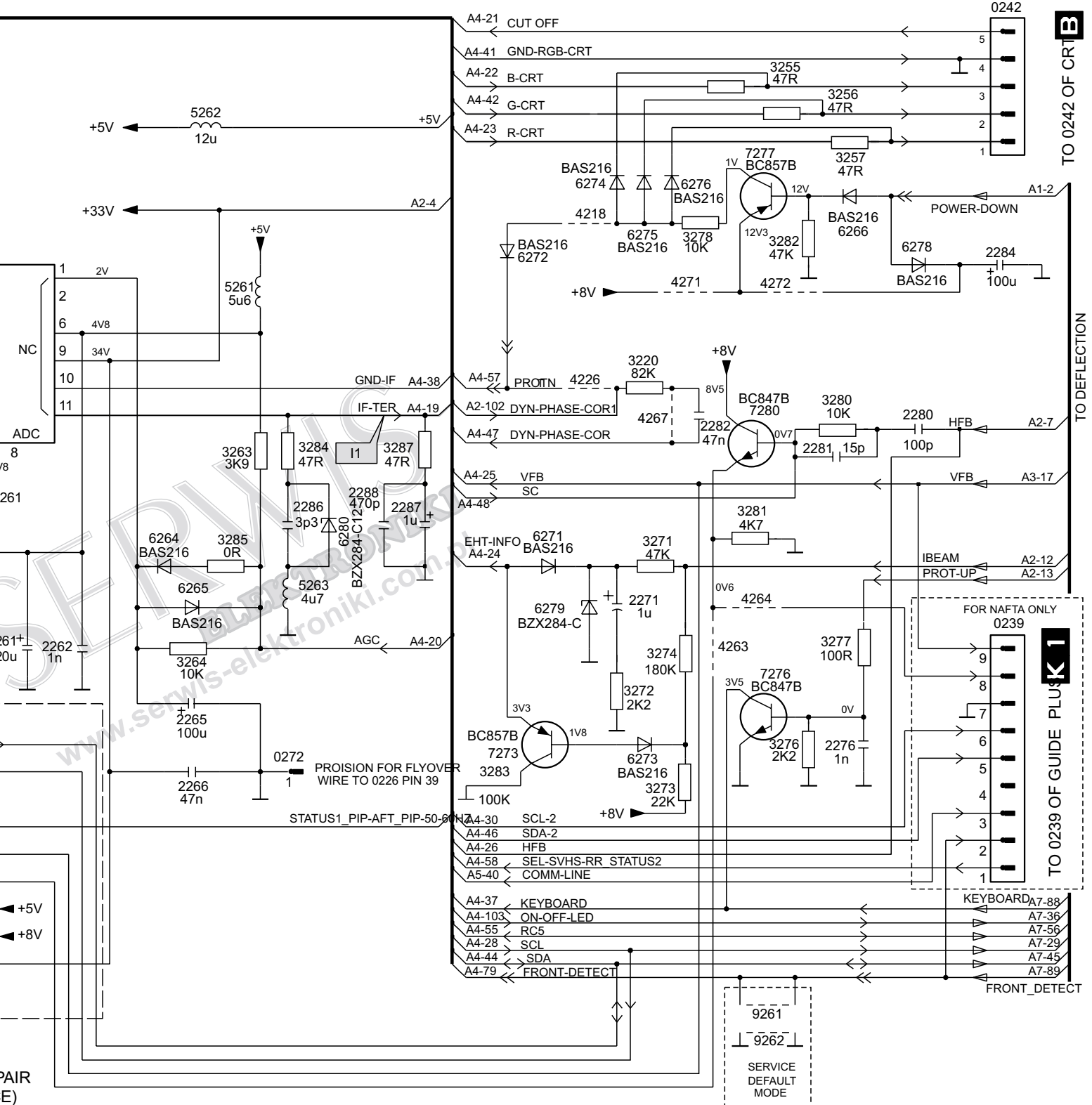
0226
80 PINS



SSP-TUNER

OTVC Philips chassis A10E AA

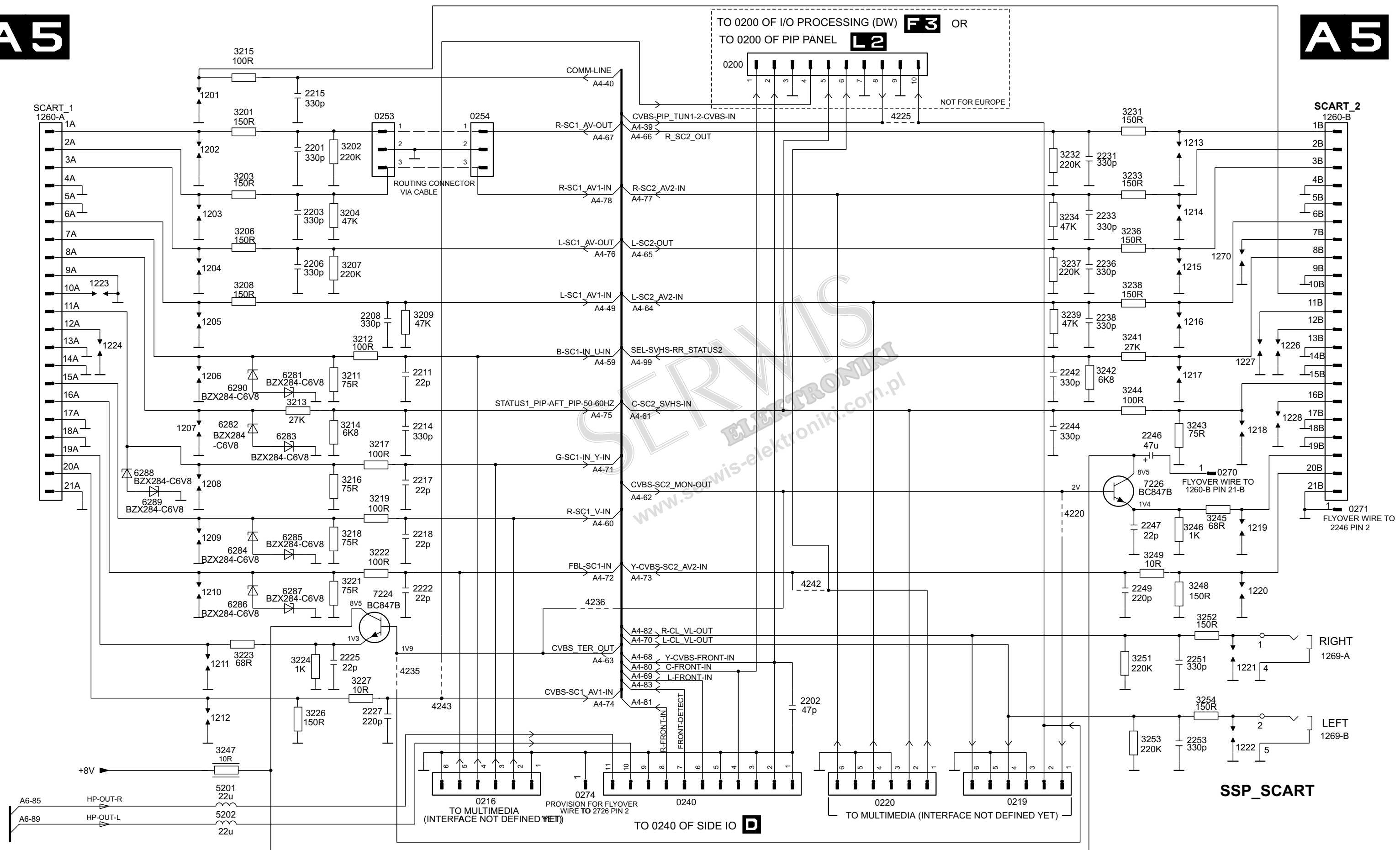




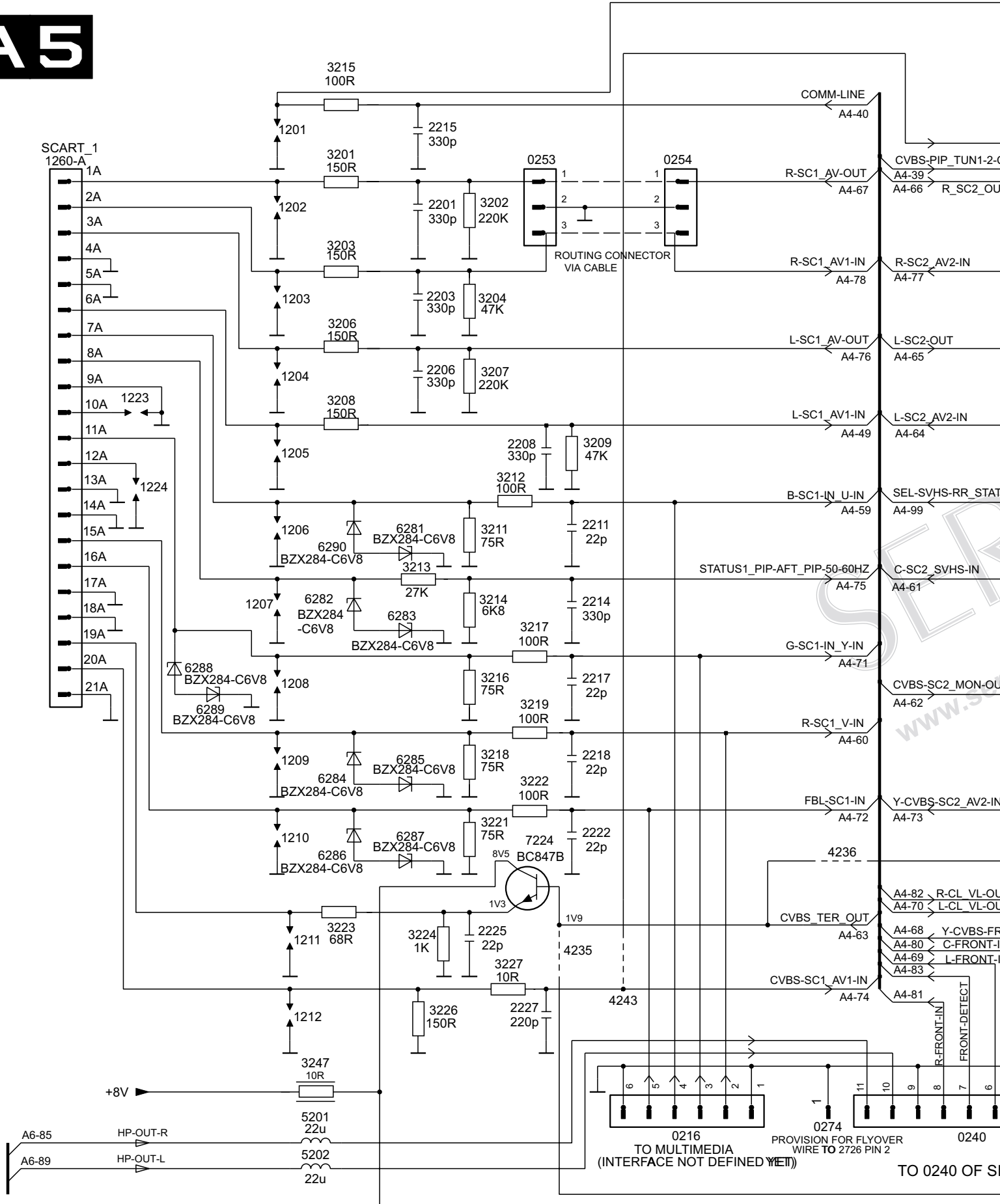
OTVC Philips chassis A10E AA

A5

A5



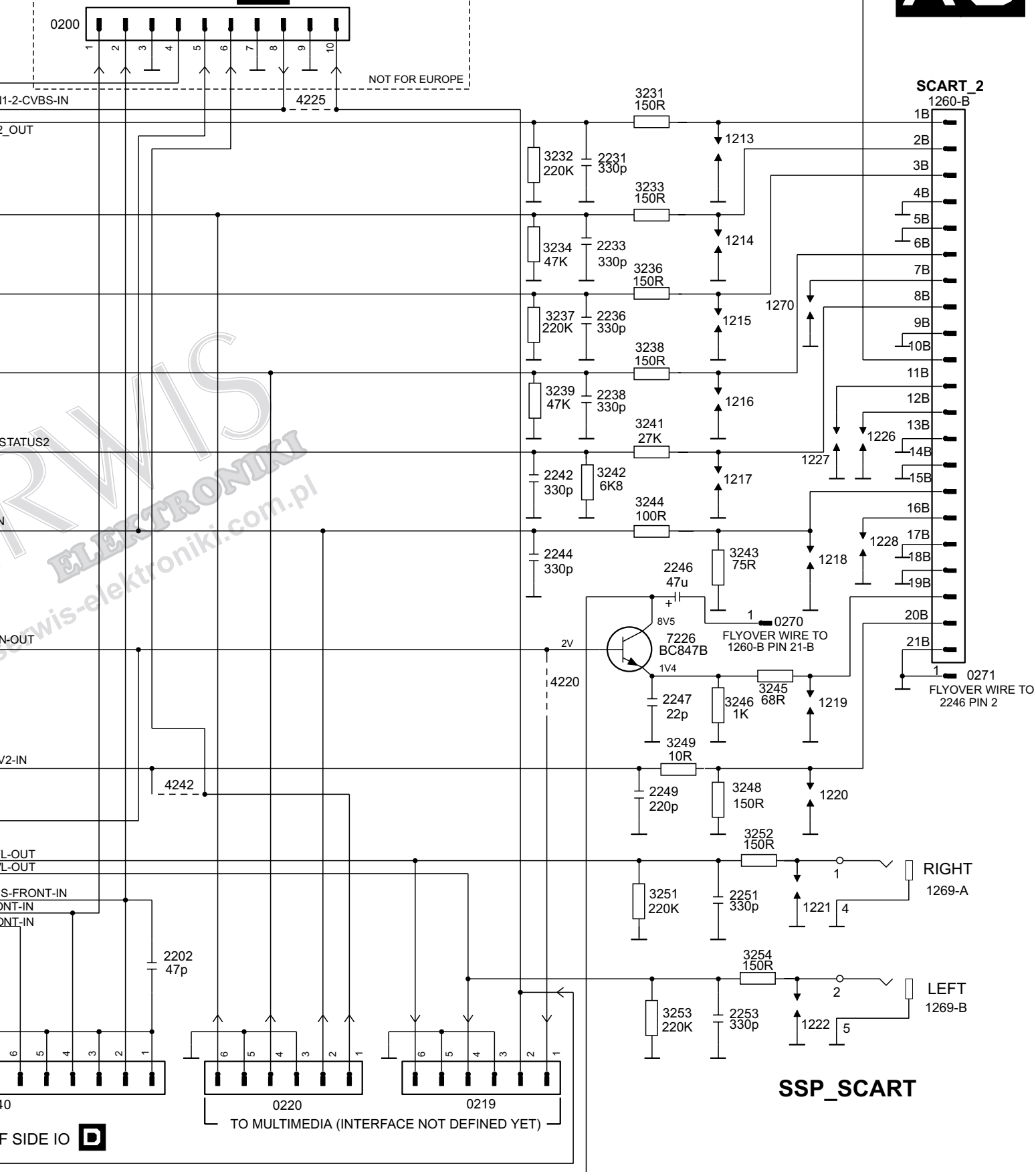
OTVC Philips chassis A10E AA



TO 0200 OF I/O PROCESSING (DW) **F 3** OR

TO 0200 OF PIP PANEL **L 2**

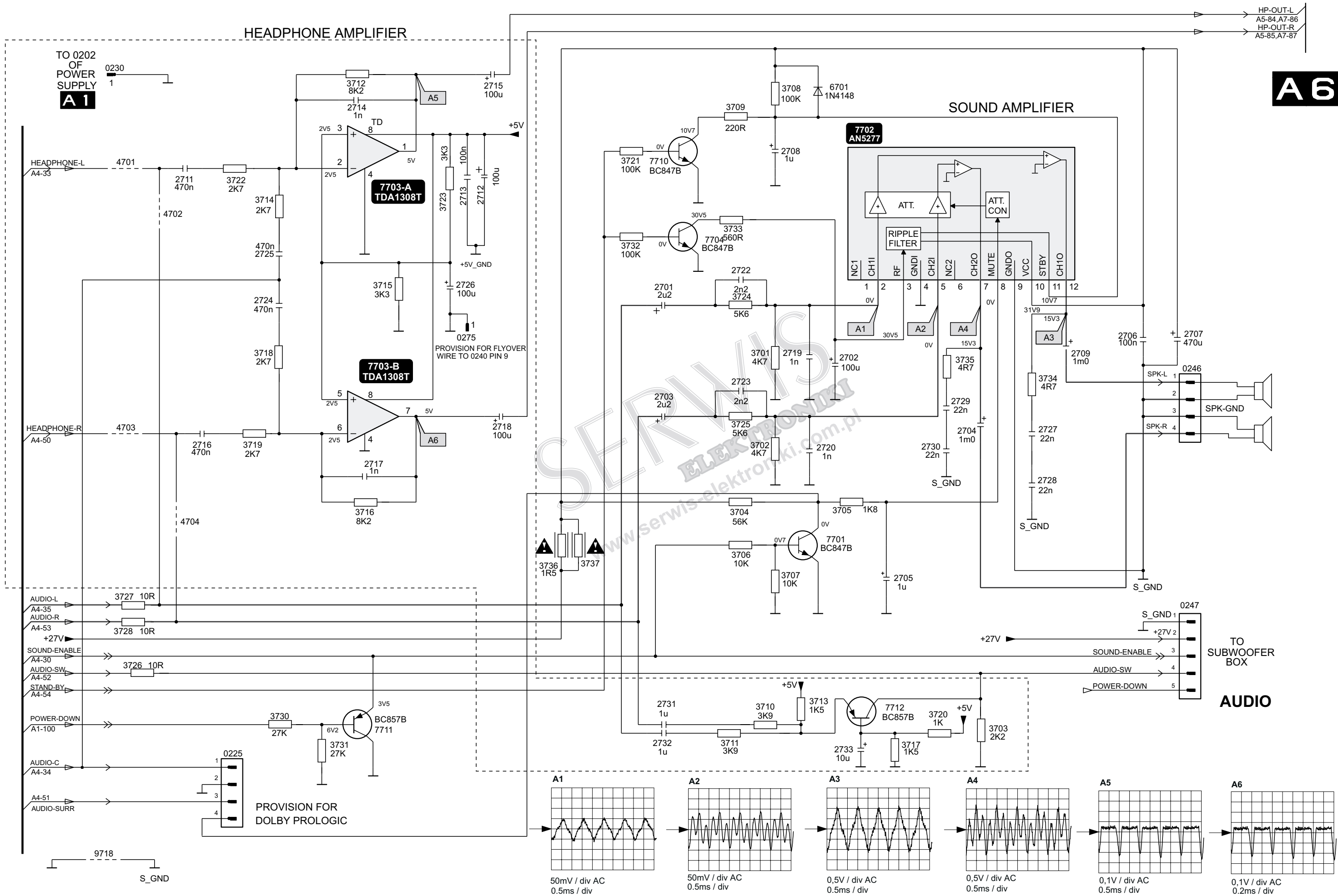
A5



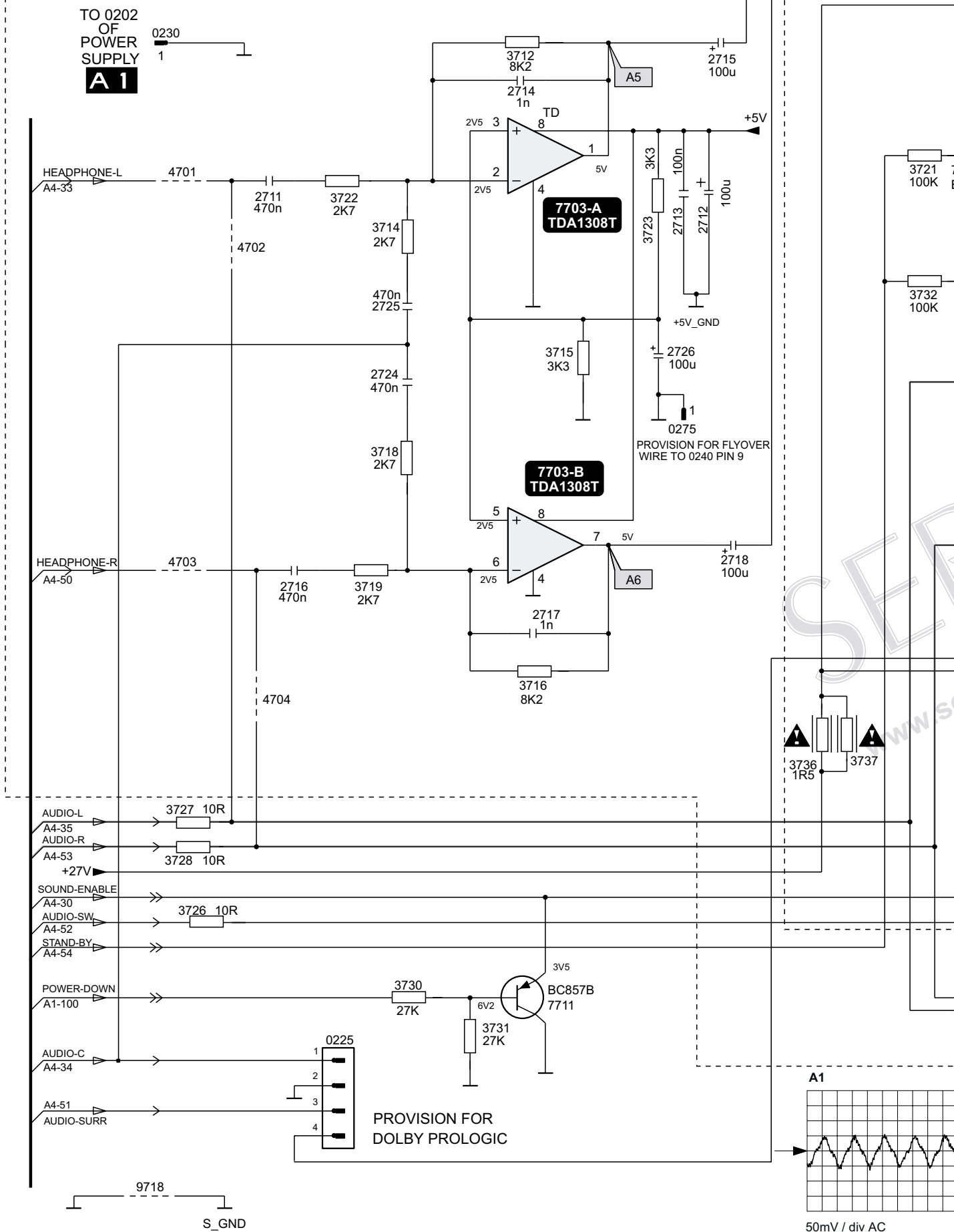
OTVC Philips chassis A10E AA

A6

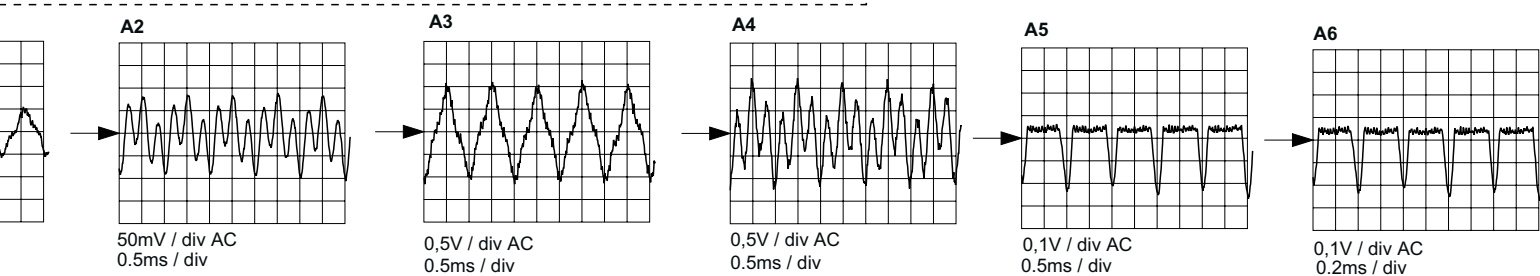
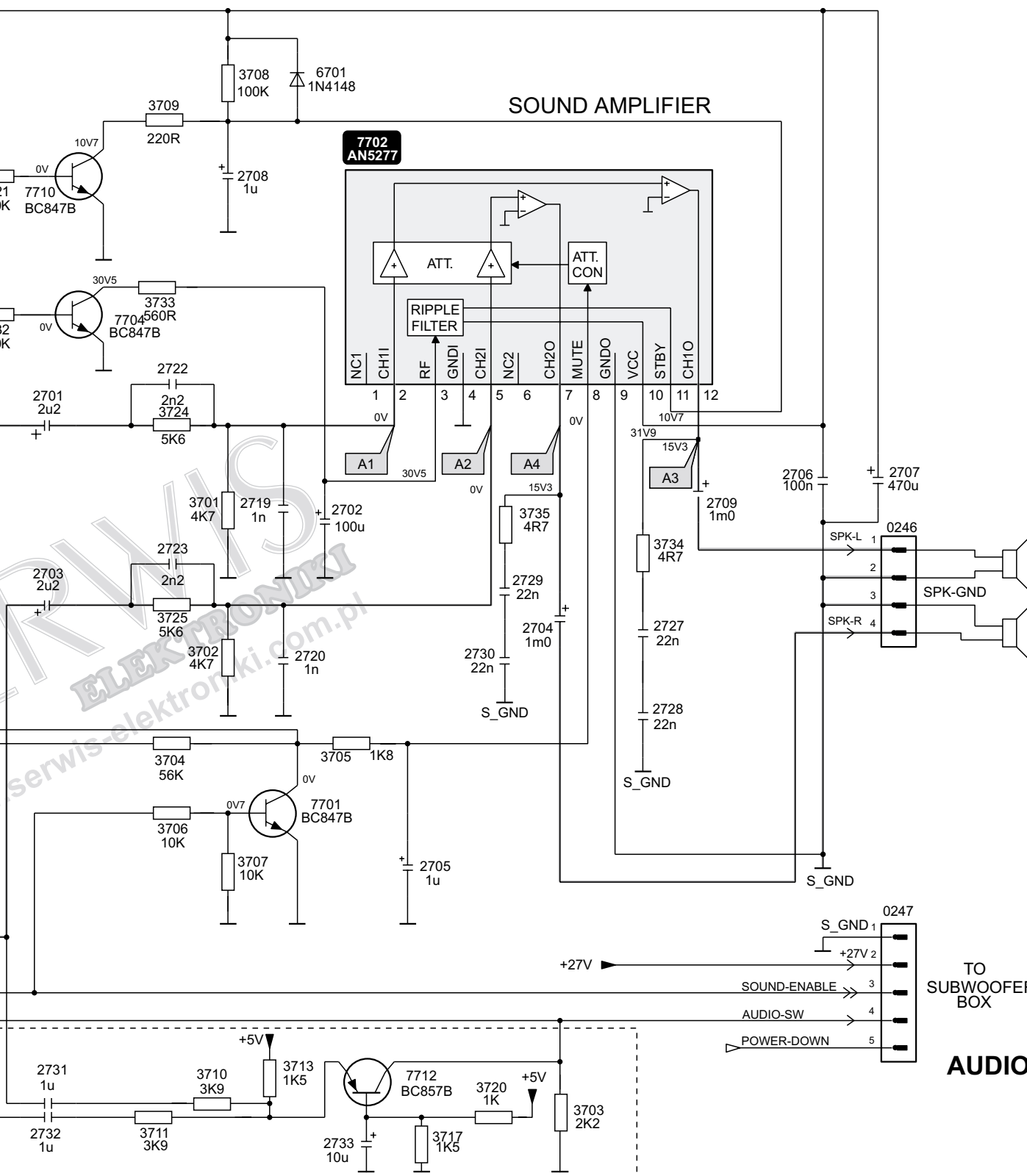
A6



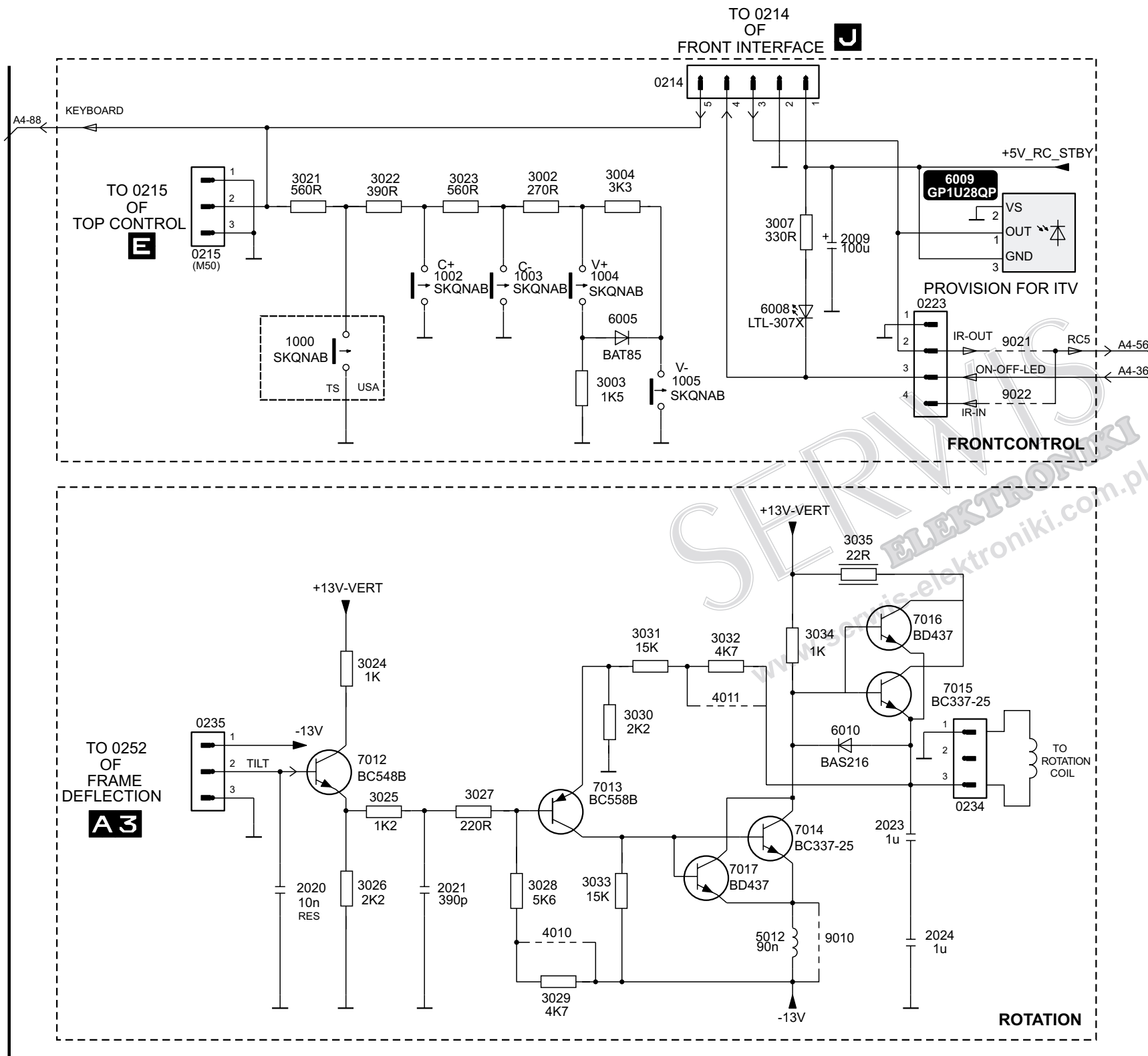
HEADPHONE AMPLIFIER



A6

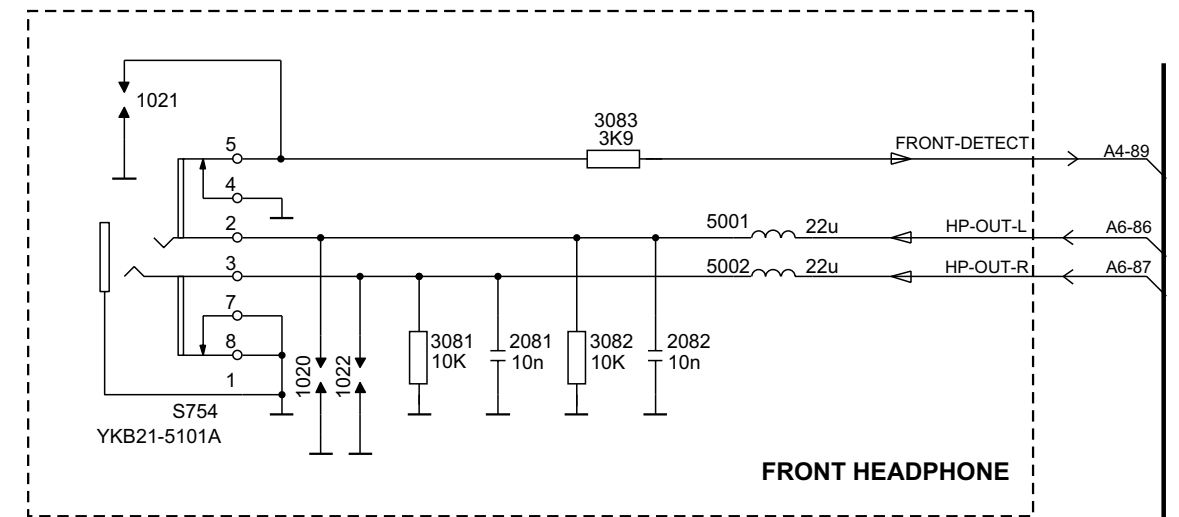


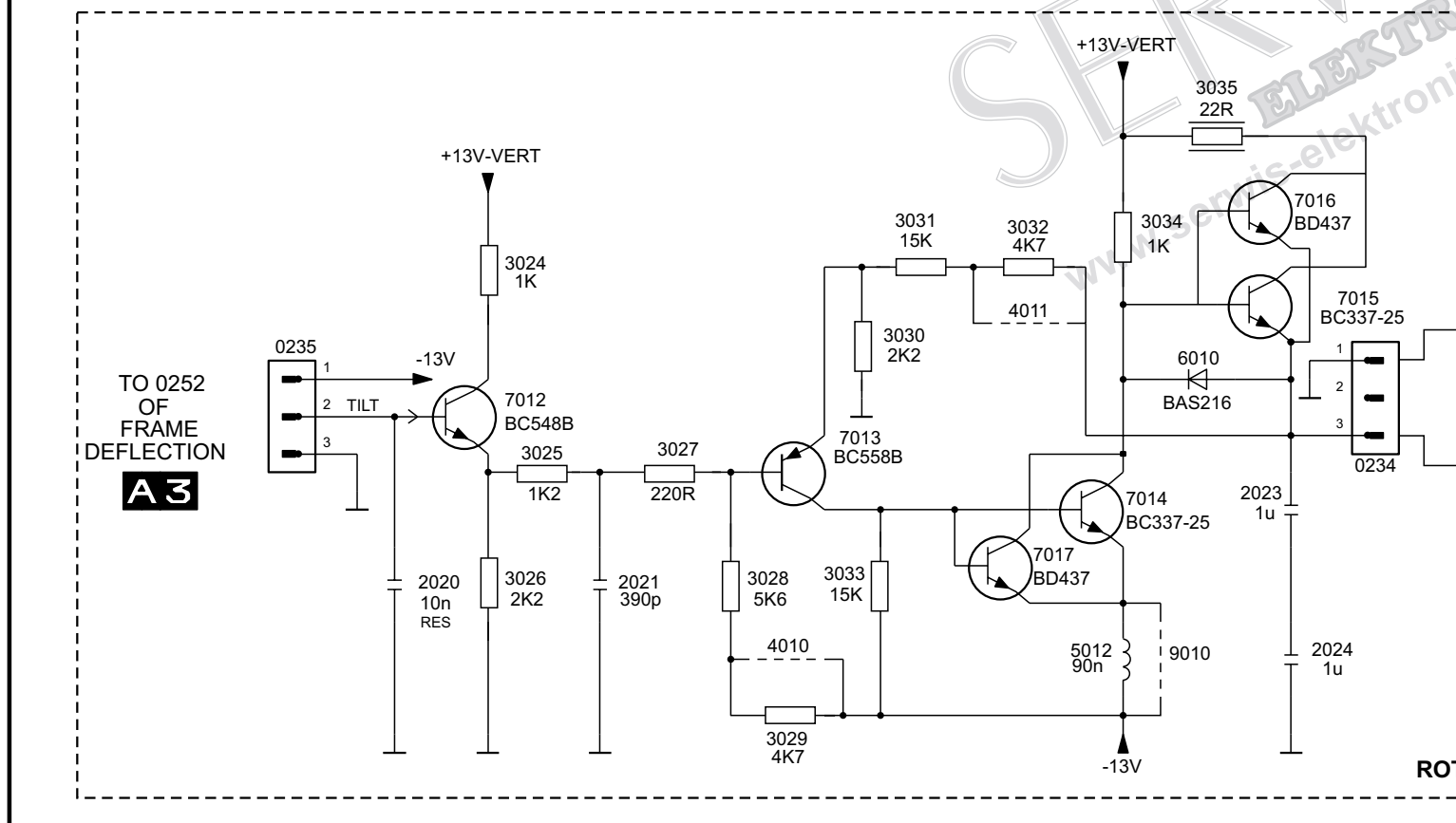
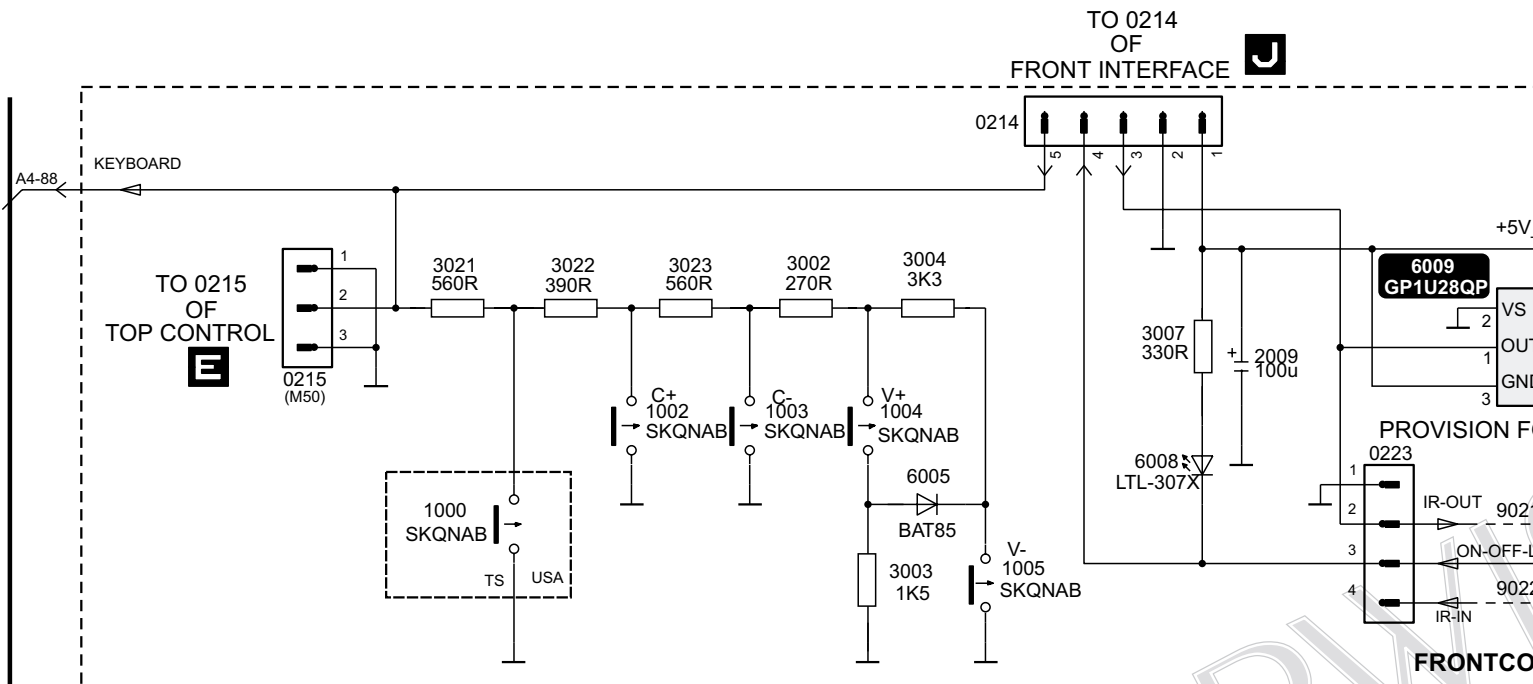
OTVC Philips chassis A10E AA



FRONT CONTRL / ROTATION / HEADPHONE

OTVC Philips chassis A10E AA





FRONT CONTRL / ROTATION / HEADPHONE

OTVC Philips chassis A10E AA

+5V_RC_STBY

VS
OUT
GND

N FOR ITV

9021 RC5 A4-56

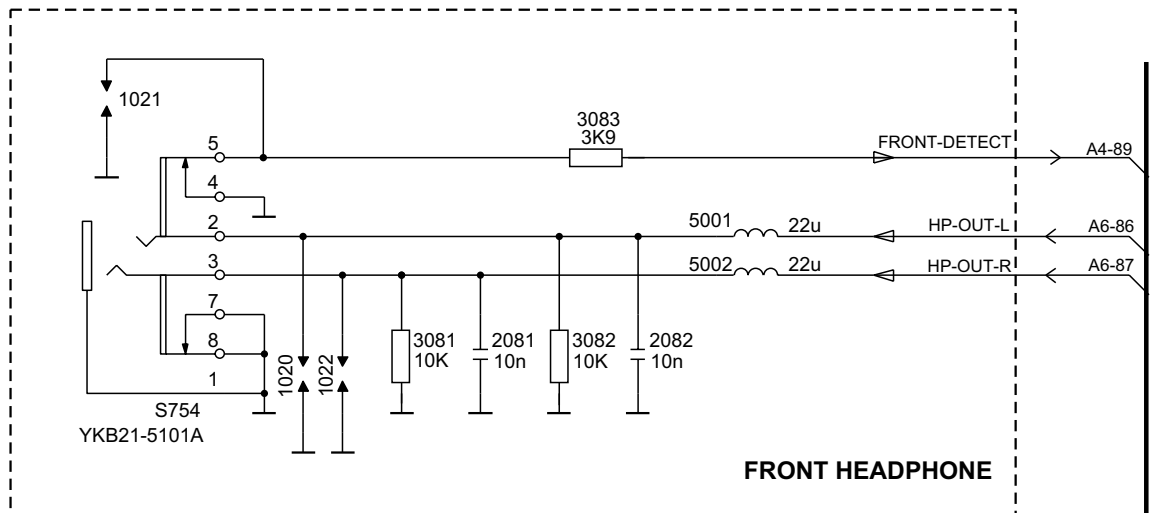
OFF-LED A4-36

9022

CONTROL

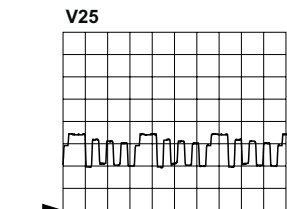
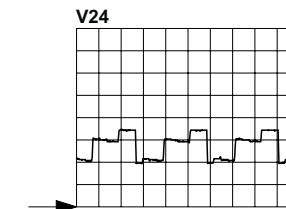
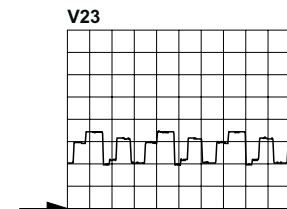
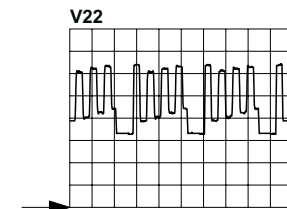
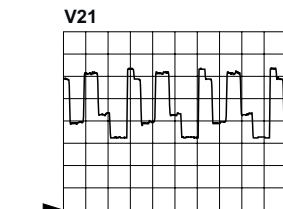
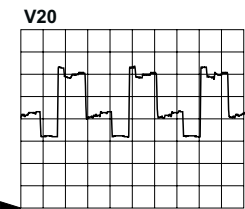
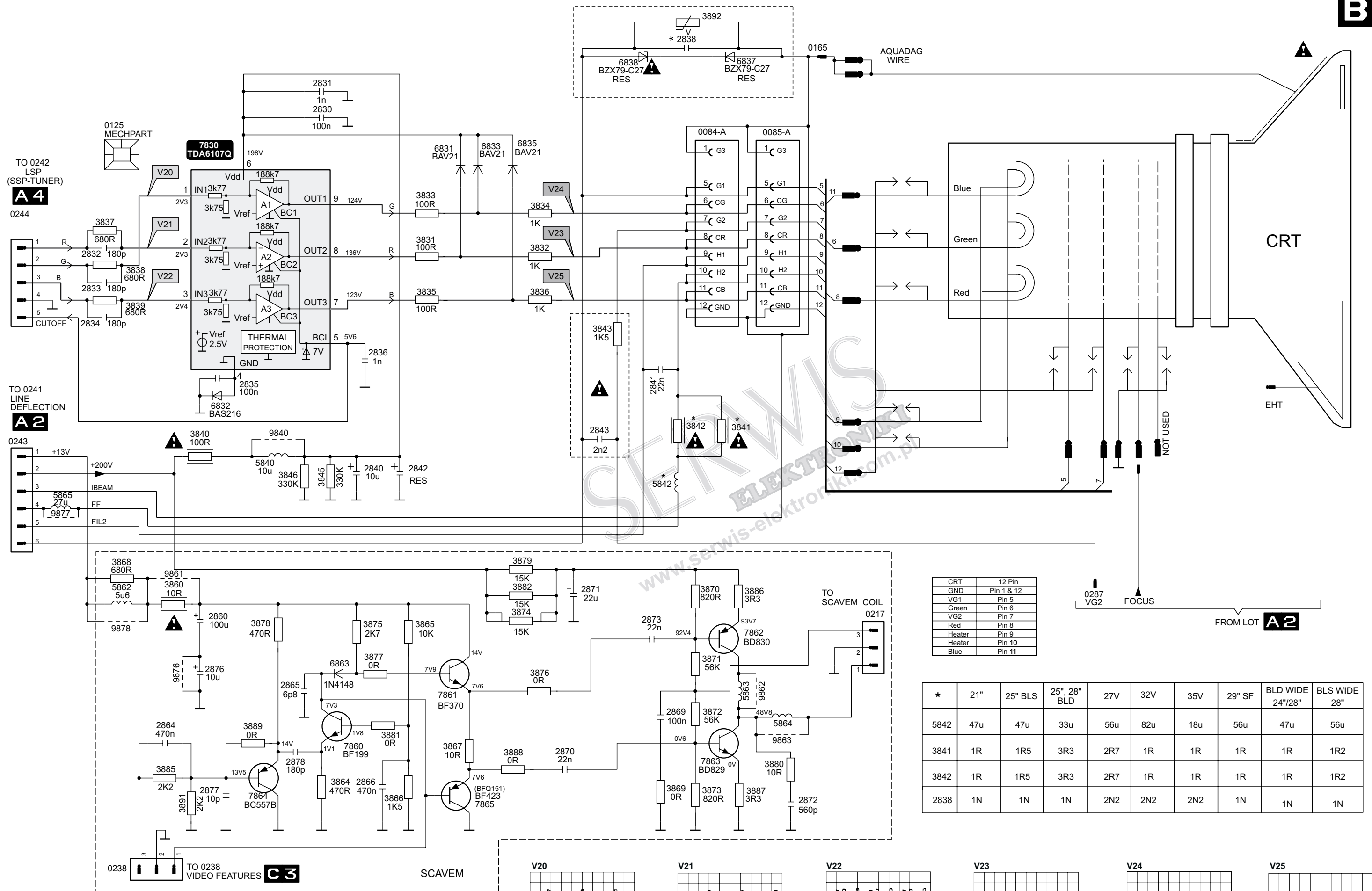
TO
ROTATION
COIL

ROTATION



B

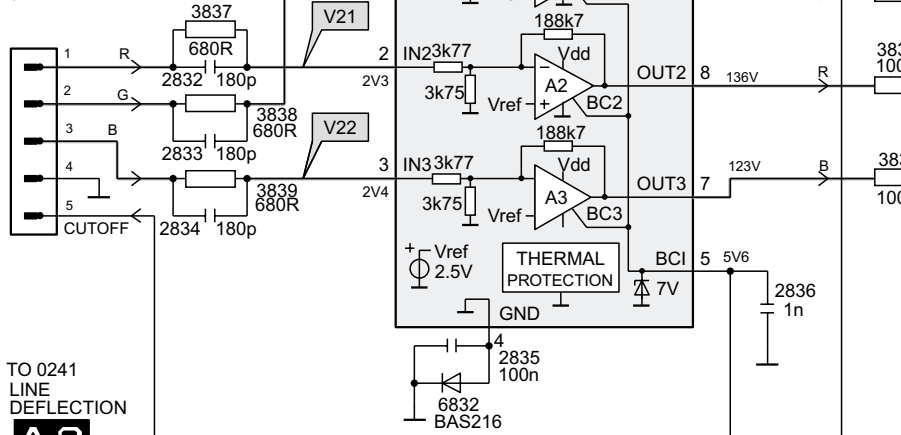
B



TO 0242
LSP
(SSP-TUNER)

A 4

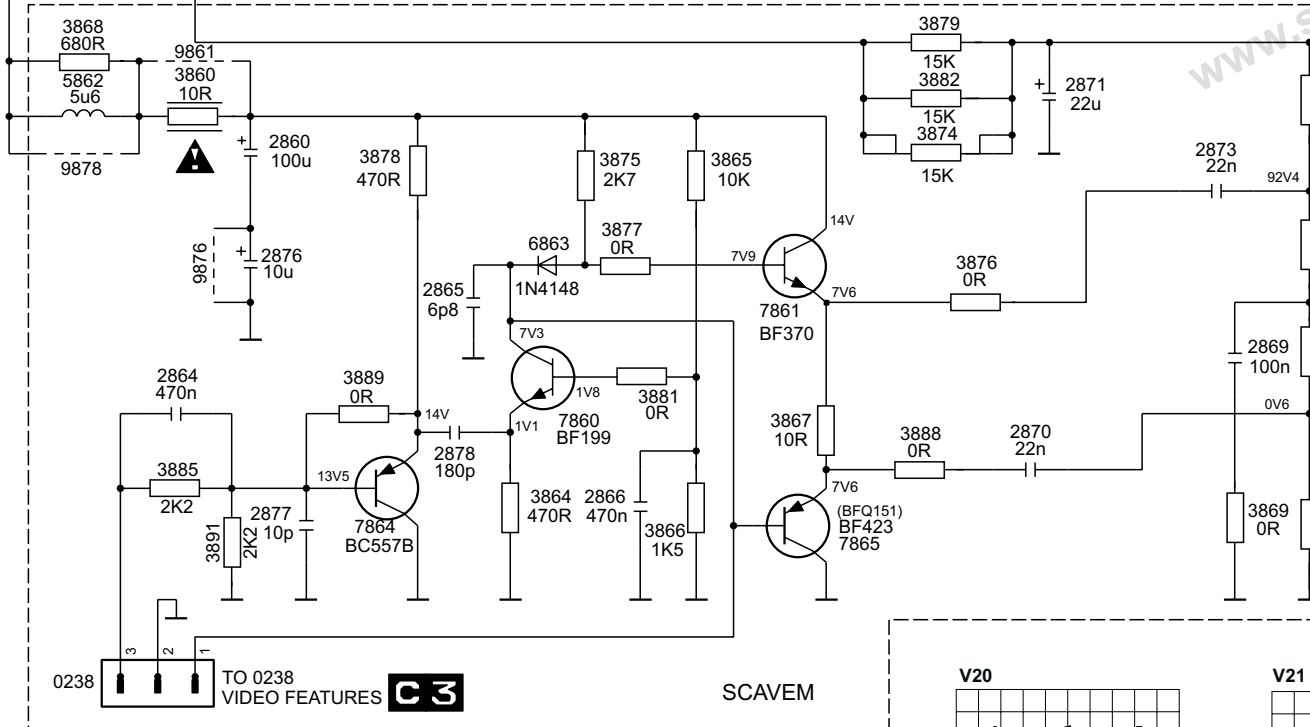
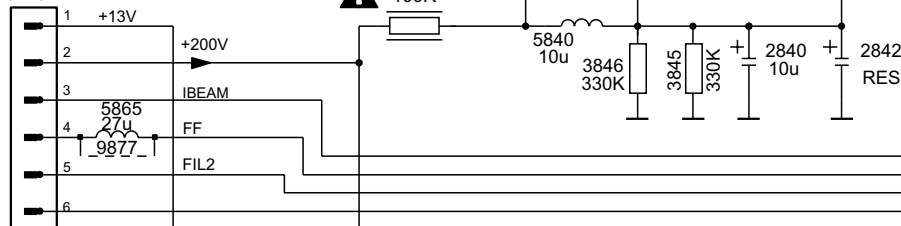
0244



TO 0241
LINE
DEFLECTION

A 2

0243



0238

TO 0238
VIDEO FEATURES

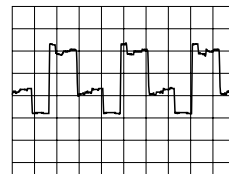
C 3

SCAVEM

CRT PANEL

OTVC Philips chassis A10E AA

V20

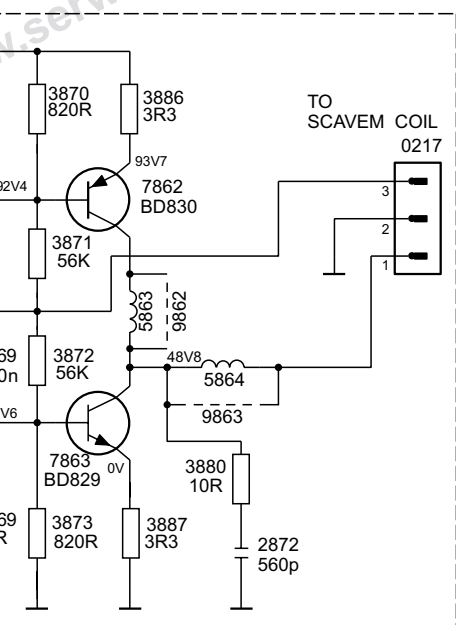
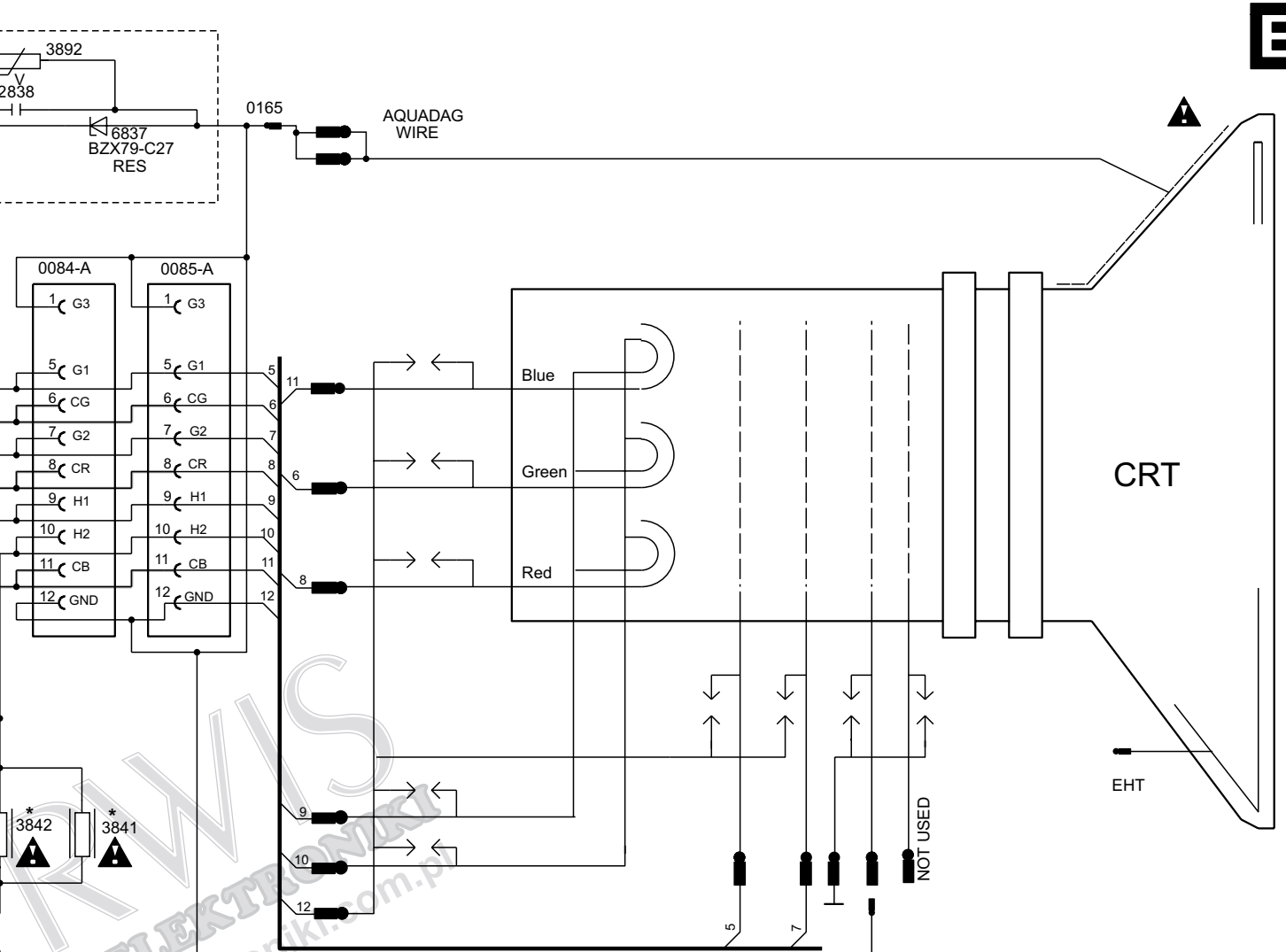


0.5V / div DC
20µs / div

V21

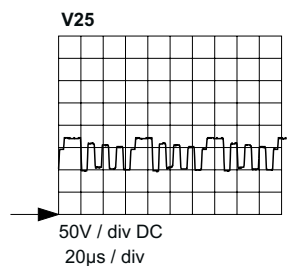
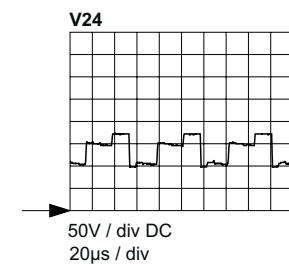
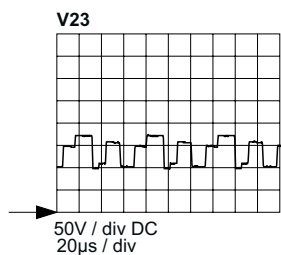
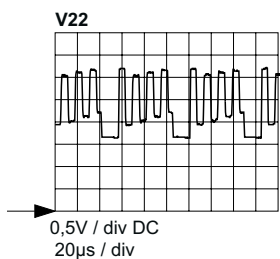
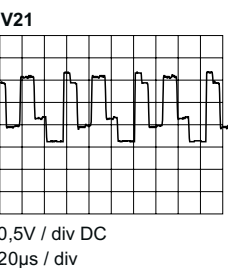


0.5V / div DC
20µs / div

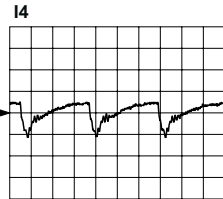
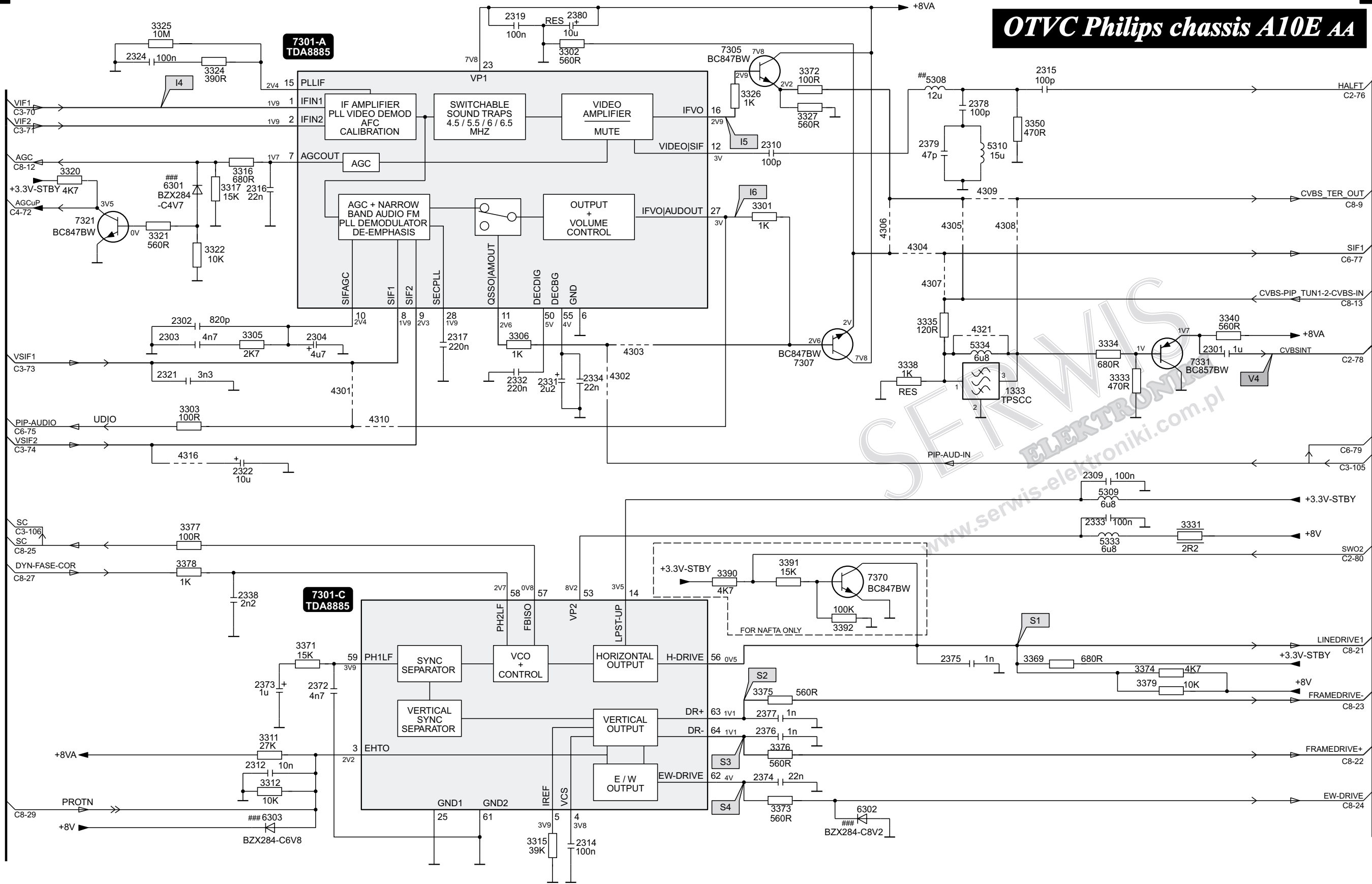


CRT	12 Pin
GND	Pin 1 & 12
VG1	Pin 5
Green	Pin 6
VG2	Pin 7
Red	Pin 8
Heater	Pin 9
Heater	Pin 10
Blue	Pin 11

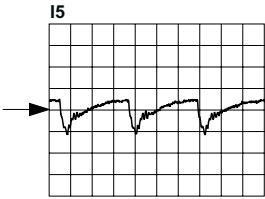
*	21"	25" BLS	25", 28" BLD	27V	32V	35V	29" SF	BLD WIDE 24"/28"	BLS WIDE 28"
5842	47u	47u	33u	56u	82u	18u	56u	47u	56u
3841	1R	1R5	3R3	2R7	1R	1R	1R	1R	1R2
3842	1R	1R5	3R3	2R7	1R	1R	1R	1R	1R2
2838	1N	1N	1N	2N2	2N2	2N2	1N	1N	1N



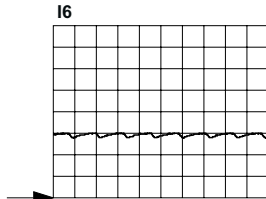
OTVC Philips chassis A10E A4



100mV / div AC
20µs / div



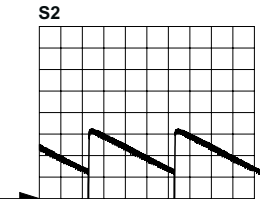
0,5V / div DC
20µs / div



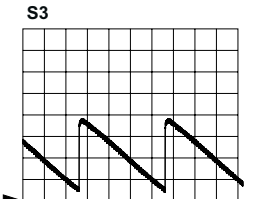
1,0V / div DC
5,0µs / div



0,5V / div DC
20µs / div



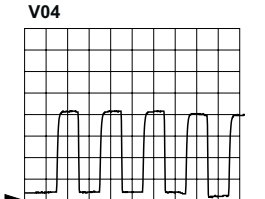
0,5V / div DC
5ms / div



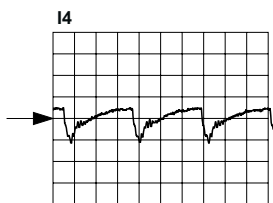
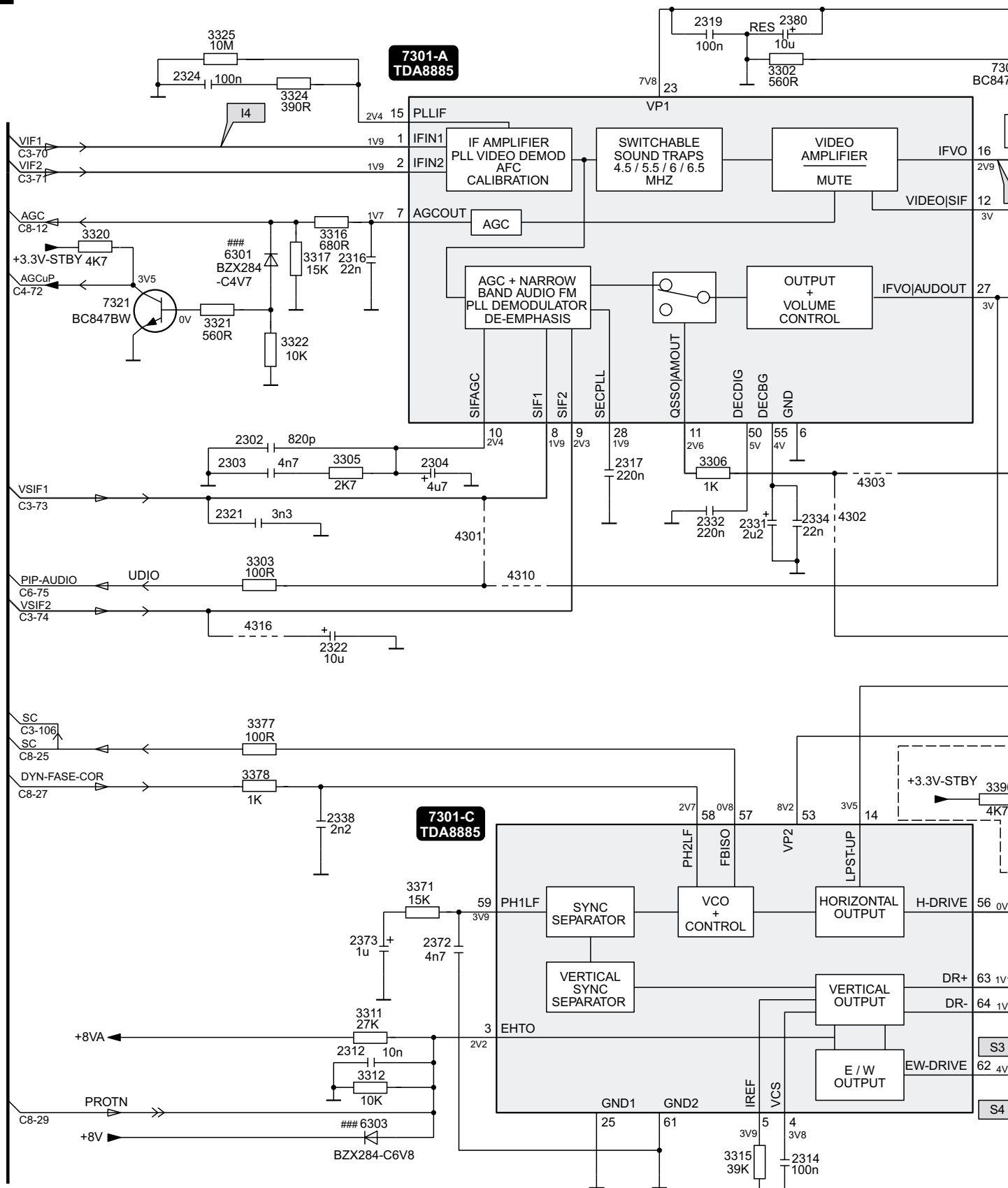
0,5V / div DC
5ms / div



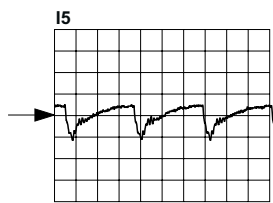
1,0V / div DC
5ms / div



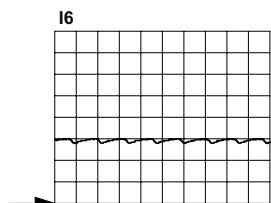
1,0V / div DC
5µs / div



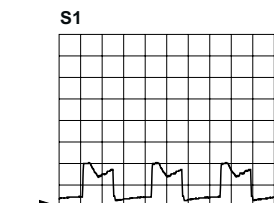
100mV / div AC
20μs / div



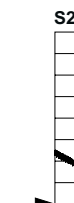
0,5V / div DC
20μs / div



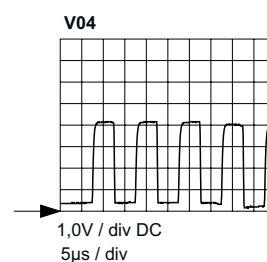
1,0V / div DC
5,0μs / div

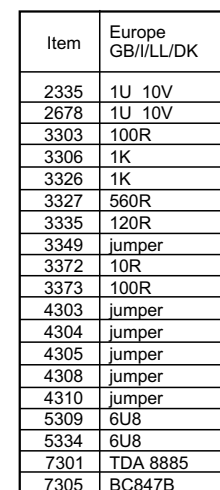


0,5V / div DC
20μs / div

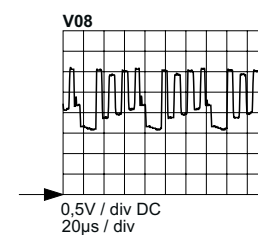


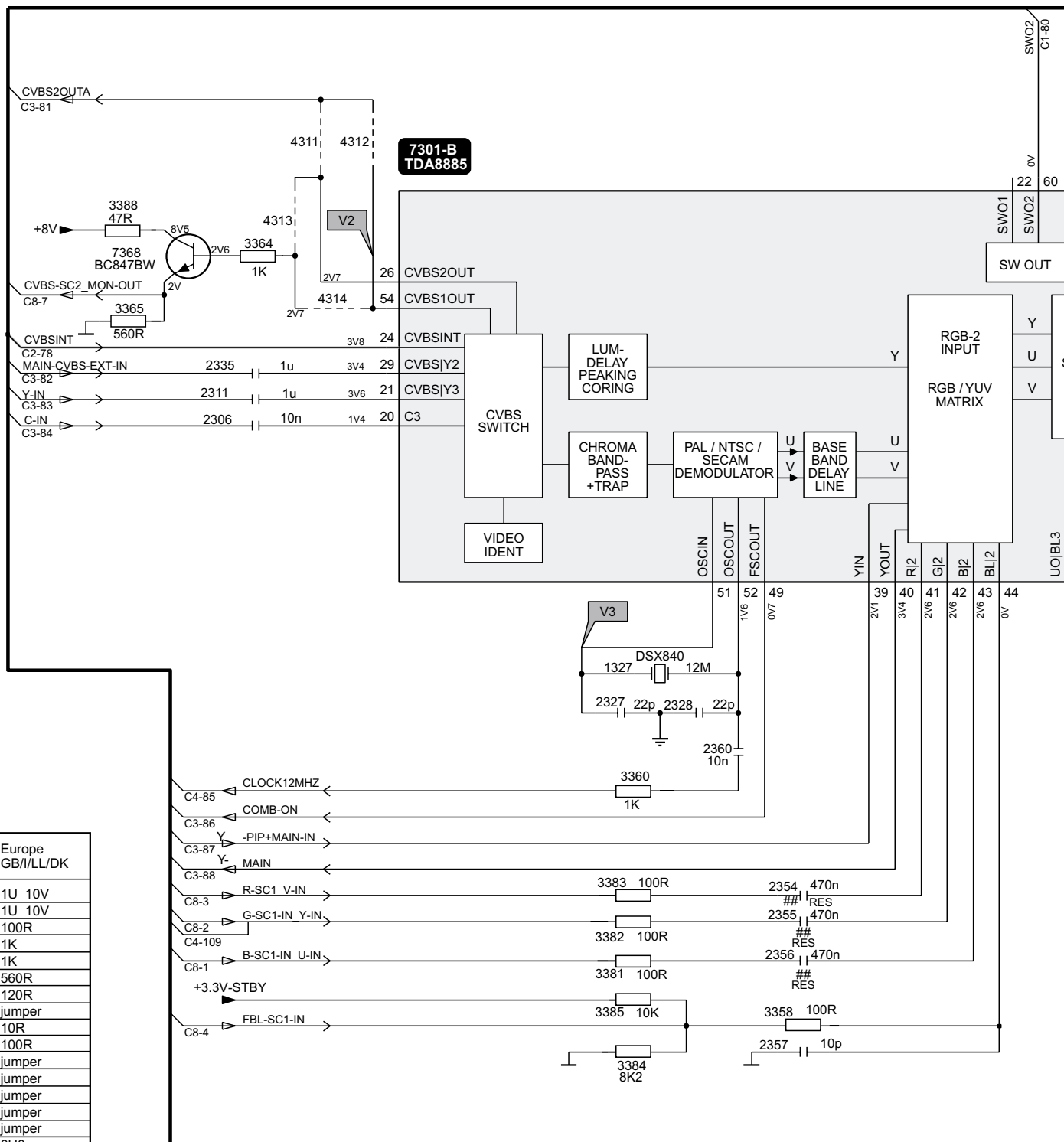
0,5V / div DC
5μs / div

[illegible]



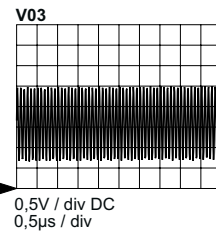
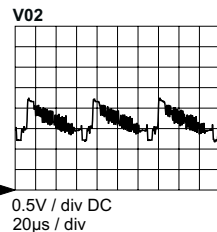
OTVC Philips chassis A10E AA

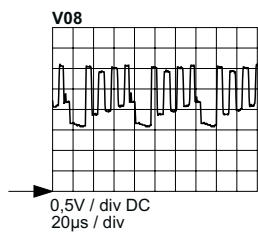
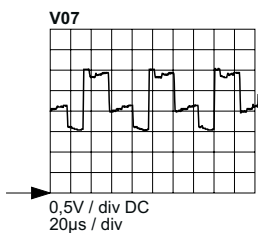
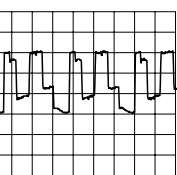
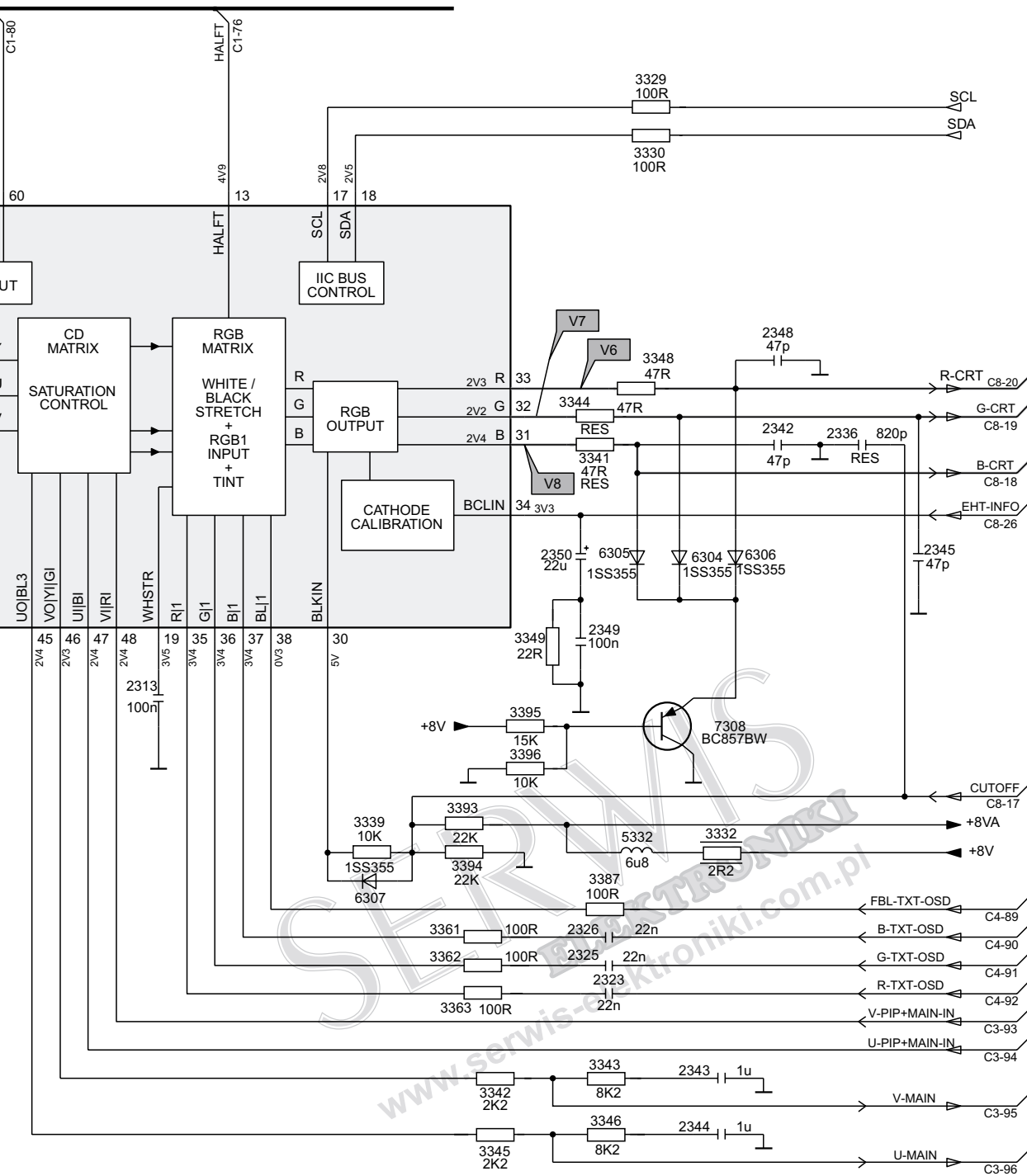


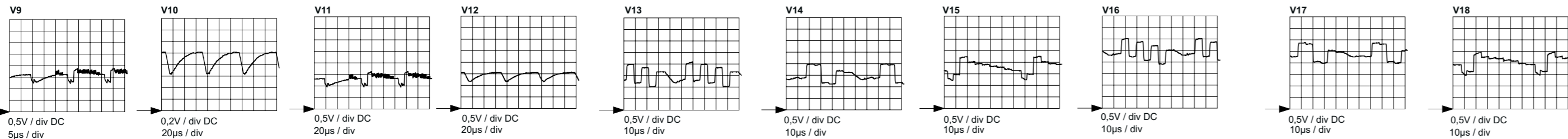
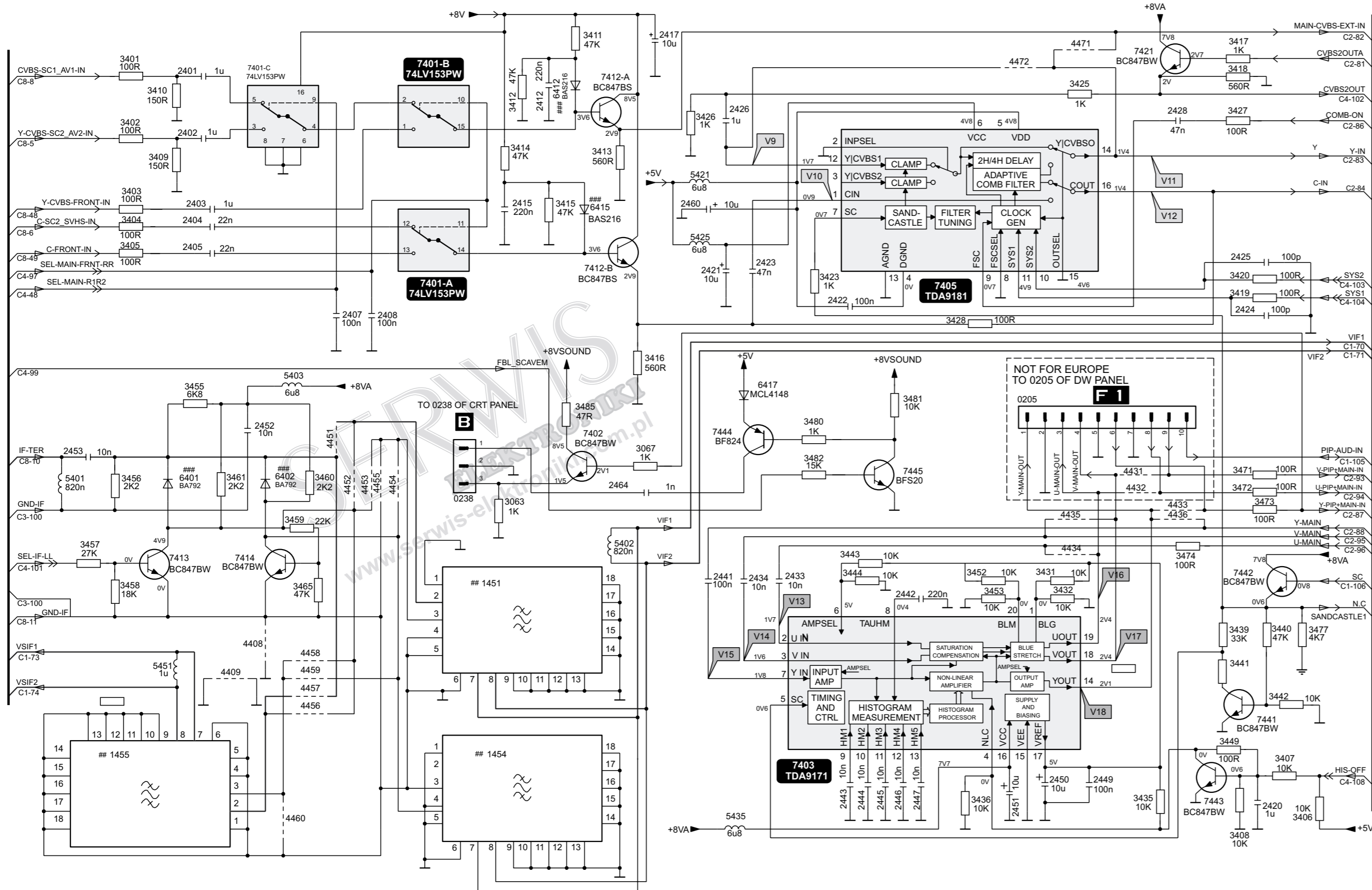


VIDEO PROCESSING

OTVC Philips chassis A10E A4



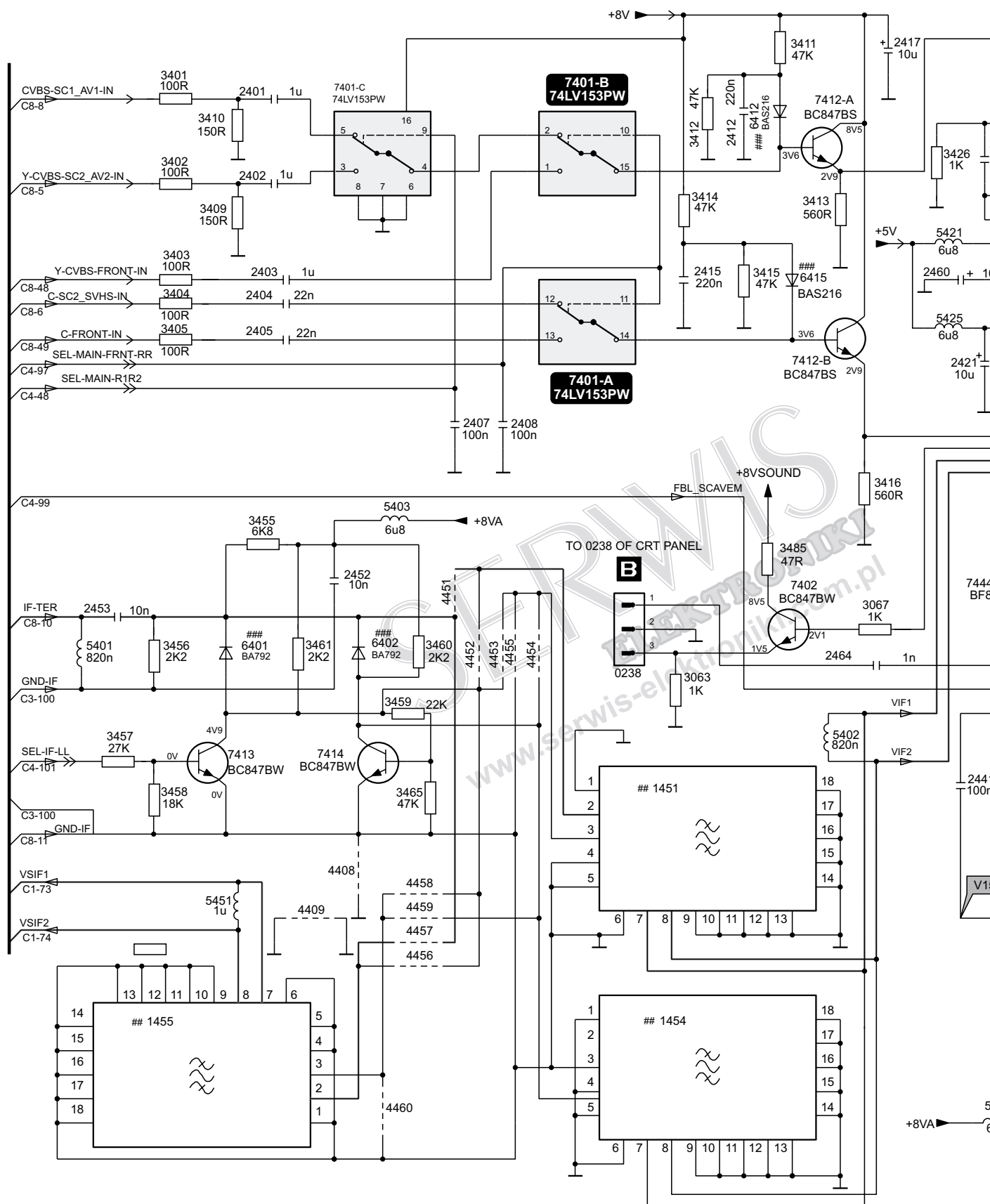




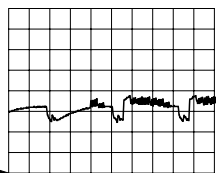
Diversity tables diagram C3

Item	Histogram No PIP/DW	No Histogram /PIP/DW
2420	100P 50V	,
2433	10N 50V	,
2434	10N 50V	,
2441	100N 16V	,
2442	220N 16V	,
2443	10N 50V	,
2444	10N 50V	,
2445	10N 50V	,
2446	10N 50V	,
2447	10N 50V	,
2449	100N 16V	,
2450	10U 16V	,
2451	10U 16V	,
3406	10K	,
3407	10K	,
3408	10K	,
3432	jumper	,
3435	22K	,
3436	33K	,
3439	10K	,
3443	jumper	,
3444	220K	,
3453	jumper	,
3477	4K7	,
3477	,	4K7
4434	,	jumper
4435	,	jumper
4436	,	jumper
5435	6U8	,
7403	TDA9171	,
7443	BC847	,

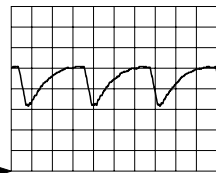
Item	EU BG/LL/DK
1451	OFWK3953L
1454	-
1455	OFWK9656L
2452	10N 50V
3455	6K8
3456	2K2
3457	27K
3458	18K
3459	-
3460	-
3461	2K2
3465	-
4451	jumper
4452	-
4453	-
4455	jumper
4457	jumper
4458	jumper
4460	-
5403	6U8
6401	1SS356
6402	-
7413	BC847BW
7414	-



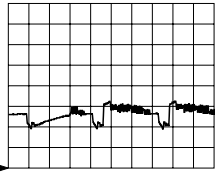
V9

0,5V / div DC
5µs / div

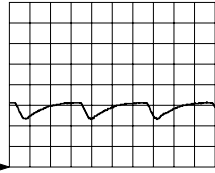
V10

0,2V / div DC
20µs / div

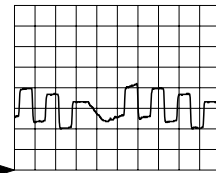
V11

0,5V / div DC
20µs / div

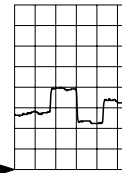
V12

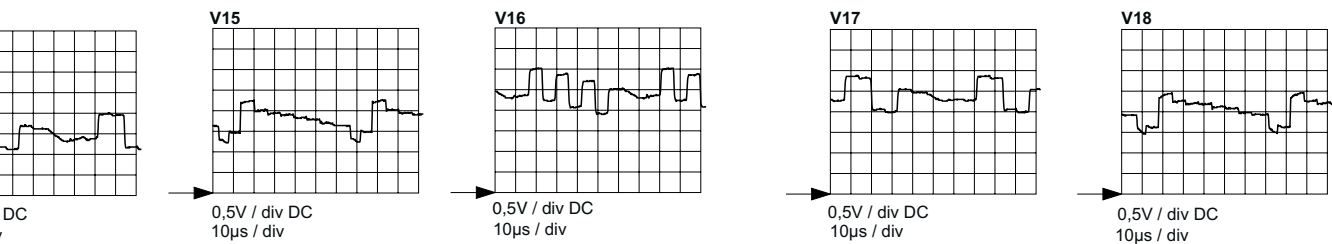
0,5V / div DC
20µs / div

V13

0,5V / div DC
10µs / div

V14

0,5V / div DC
10µs / div



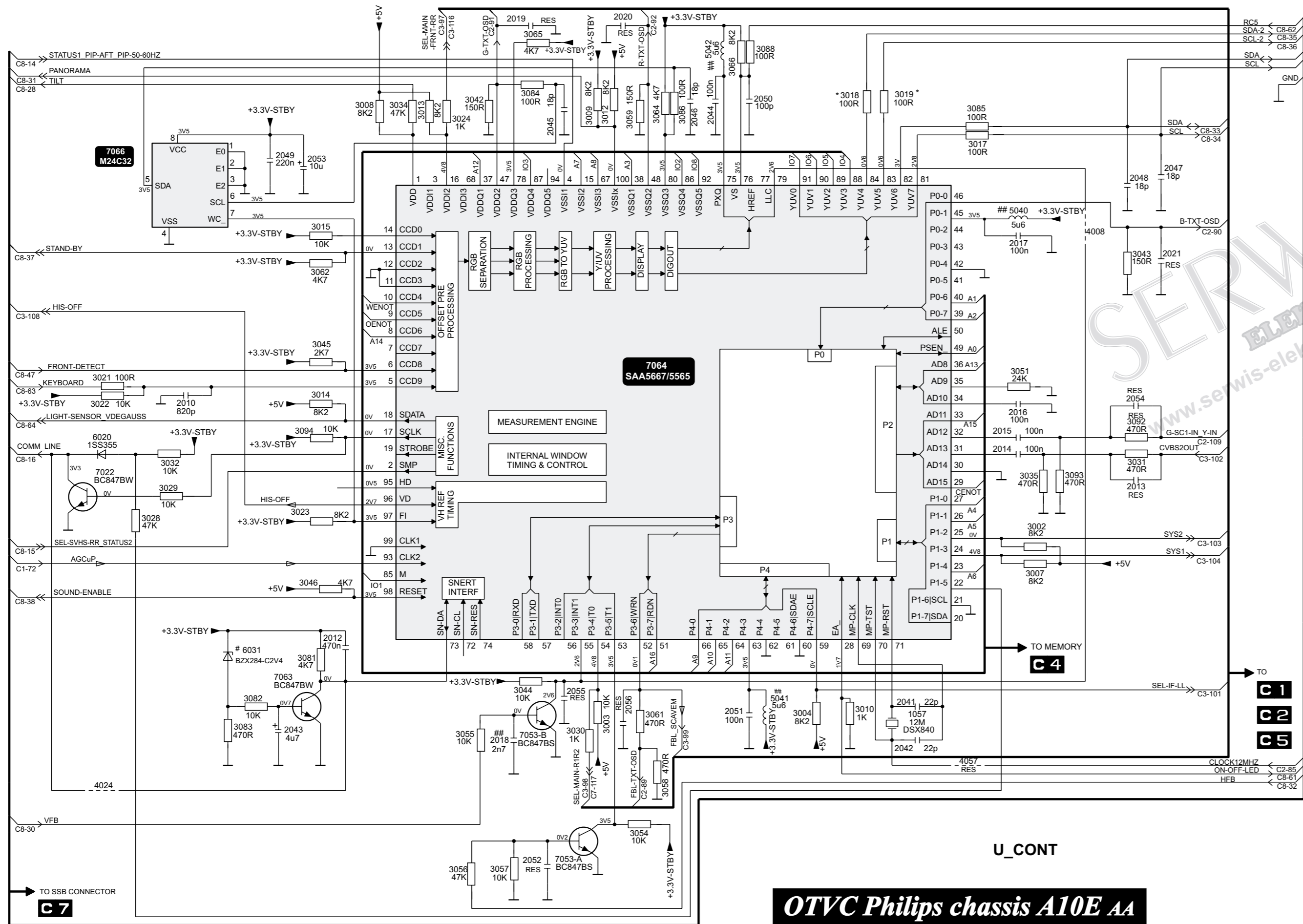
Diversity tables diagram C3

Item	Histogram No PIP/DW	No Histogram /PIP/DW
2420	100P 50V	,
2433	10N 50V	,
2434	10N 50V	,
2441	100N 16V	,
2442	220N 16V	,
2443	10N 50V	,
2444	10N 50V	,
2445	10N 50V	,
2446	10N 50V	,
2447	10N 50V	,
2449	100N 16V	,
2450	10U 16V	,
2451	10U 16V	,
3406	10K	,
3407	10K	,
3408	10K	,
3432	jumper	,
3435	22K	,
3436	33K	,
3439	10K	,
3443	jumper	,
3444	220K	,
3453	jumper	,
3477	4K7	,
3477	,	4K7
4434	,	jumper
4435	,	jumper
4436	,	jumper
5435	6U8	,
7403	TDA9171	,
7443	BC847	,

Item	EU BG//LL'/DK
1451	OFWK3953L
1454	-
1455	OFWK9656L
2452	10N 50V
3455	6K8
3456	2K2
3457	27K
3458	18K
3459	-
3460	-
3461	2K2
3465	-
4451	jumper
4452	-
4453	-
4455	jumper
4457	jumper
4458	jumper
4460	-
5403	6U8
6401	1SS356
6402	-
7413	BC847BW
7414	-

C 4

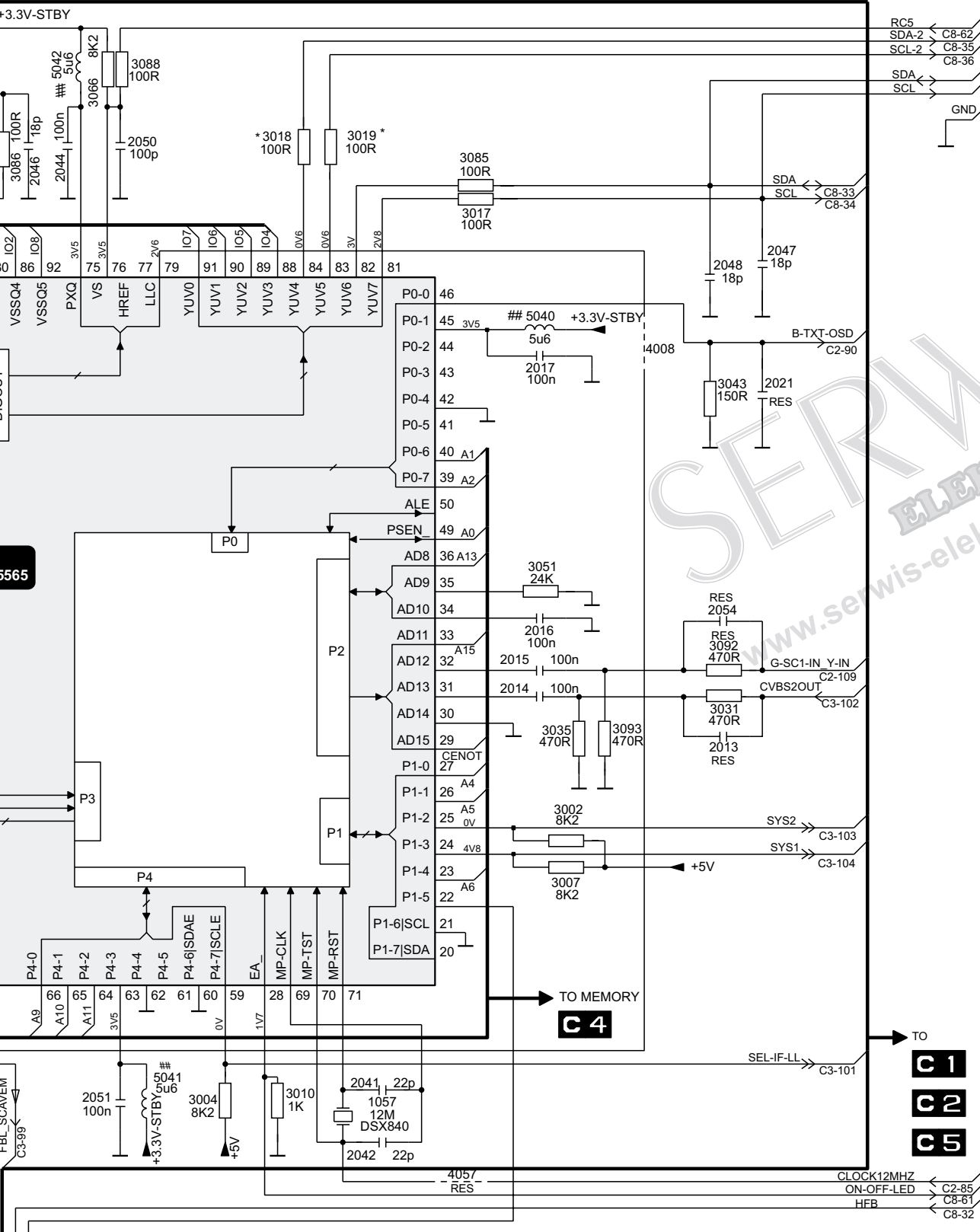
C 4



Diversity table diagram C4

Item	West EUROPE 100Pg TXT	West EUROPE 10Pg TXT	East EUROPE 10Pg TXT	East EUROPE 100Pg TXT
2058	100N 16V	,	,	100N 16V
3028	47K	,	,	47K
3029	10K	,	,	10K
3032	10K	,	,	10K
3033	10K	,	,	10K
3090	10K	,	,	10K
3091	10K	,	,	10K
3094	10K	,	,	10K
5050	5U6	,	,	5U6
6020	1SS355	,	,	1SS355
7022	BC847	,	,	BC847
7070	UPD431000	,	,	UPD431000





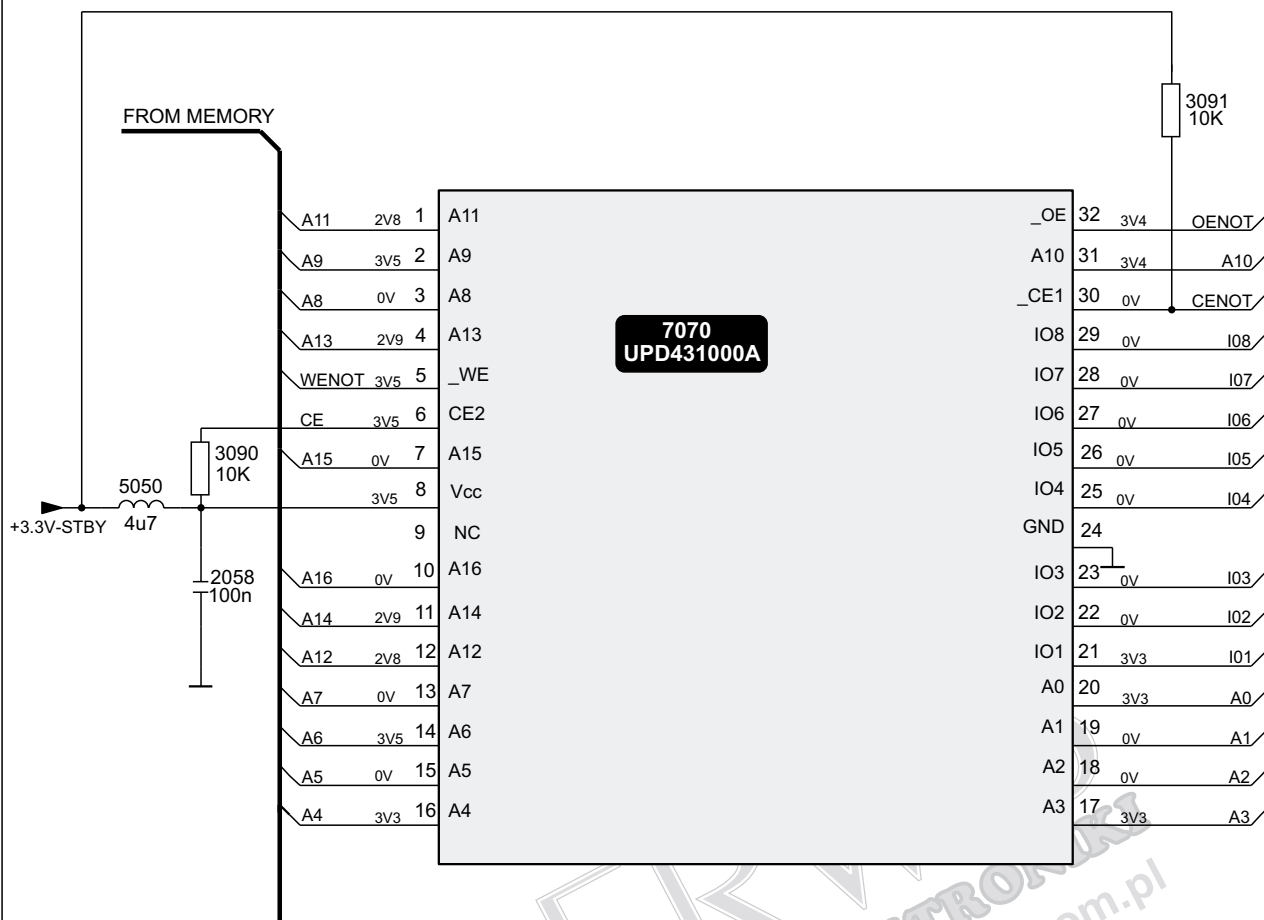
U_CONT

OTVC Philips chassis A10E AA

Diversity table diagram C4

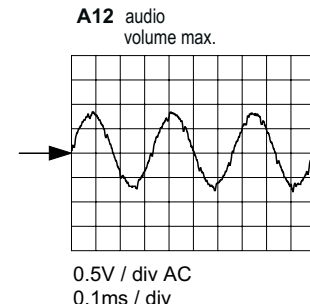
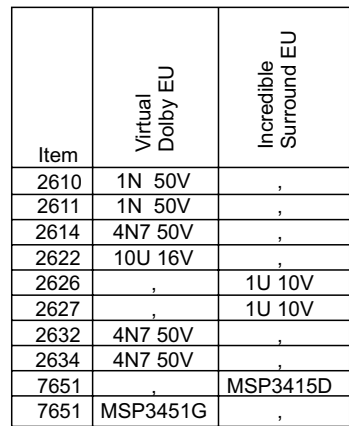
Item	West EUROPE 100Pg TXT	West EUROPE 10Pg TXT	East EUROPE 10Pg TXT	East EUROPE 100Pg TXT
2058	100N 16V	,	,	100N 16V
3028	47K	,	,	47K
3029	10K	,	,	10K
3032	10K	,	,	10K
3033	10K	,	,	10K
3090	10K	,	,	10K
3091	10K	,	,	10K
3094	10K	,	,	10K
5050	5U6	,	,	5U6
6020	1SS355	,	,	1SS355
7022	BC847	,	,	BC847
7070	UPD431000	,	,	UPD431000

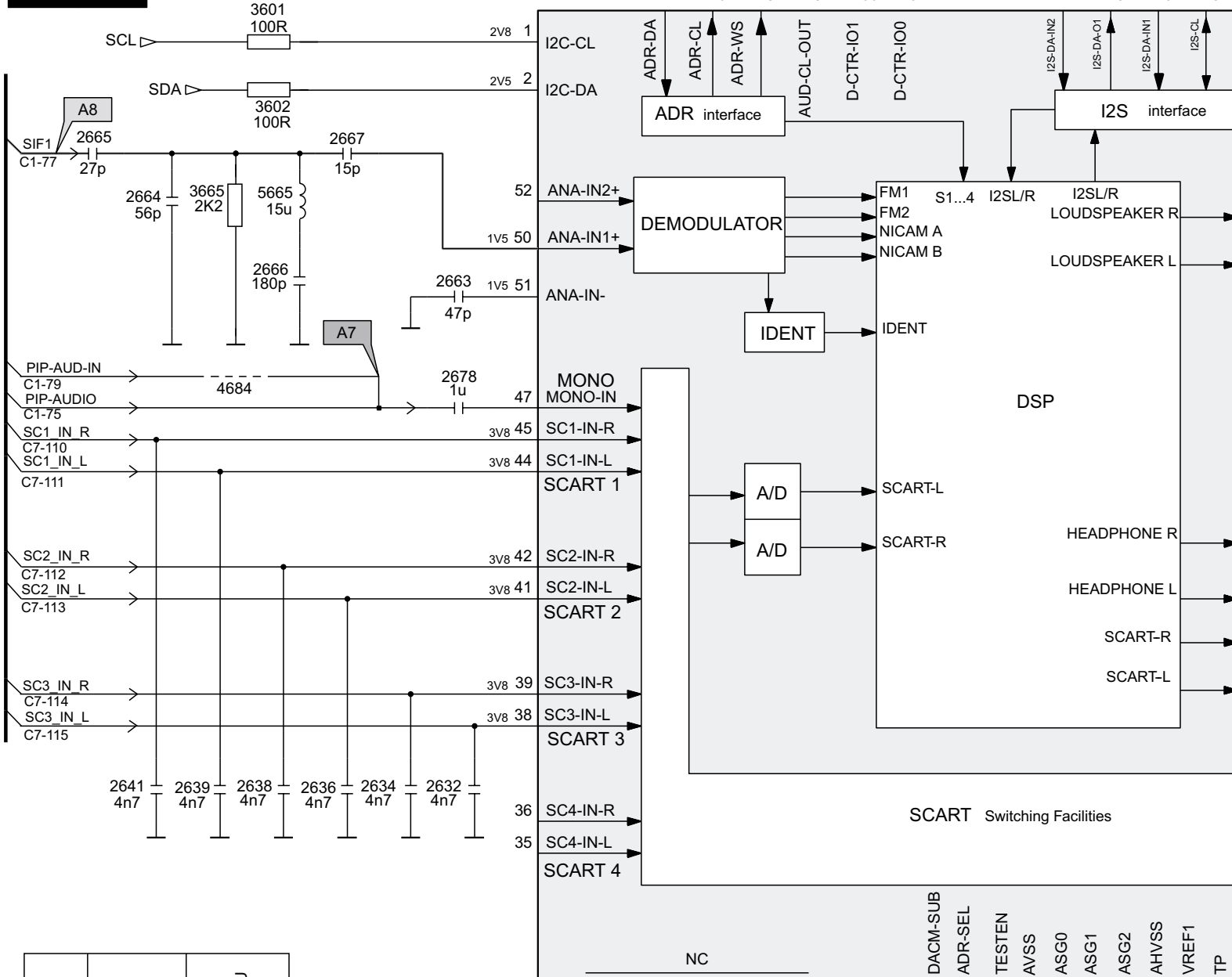
OTVC Philips chassis A10E A4



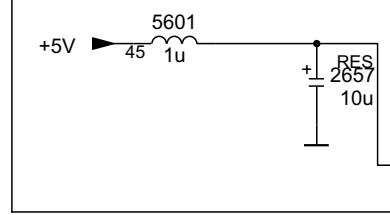
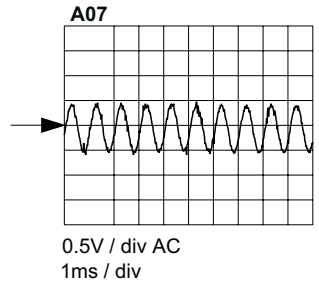
Item	West EUROPE 100Pg TXT	West EUROPE 10Pg TXT	East EUROPE 10Pg TXT	East EUROPE 100Pg TXT
2058	100N 16V	,	,	100N 16V
3028	47K	,	,	47K
3029	10K	,	,	10K
3032	10K	,	,	10K
3033	10K	,	,	10K
3090	10K	,	,	10K
3091	10K	,	,	10K
3094	10K	,	,	10K
5050	5U6	,	,	5U6
6020	1SS355	,	,	1SS355
7022	BC847	,	,	BC847
7070	UPD431000	,	,	UPD431000

7651
MSP3451G

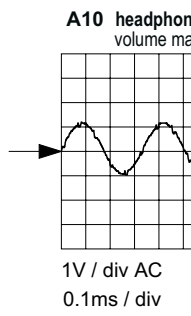
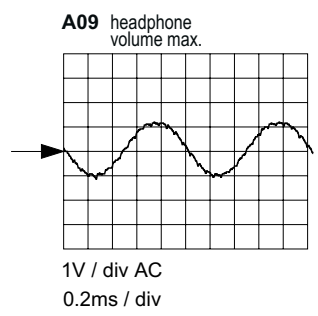
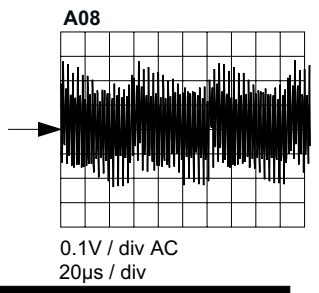




Item	Virtual Dolby EU	Incredible Surround EU
2610	1N 50V	,
2611	1N 50V	,
2614	4N7 50V	,
2622	10U 16V	,
2626	,	1U 10V
2627	,	1U 10V
2632	4N7 50V	,
2634	4N7 50V	,
7651	,	MSP3415D
7651	MSP3451G	,



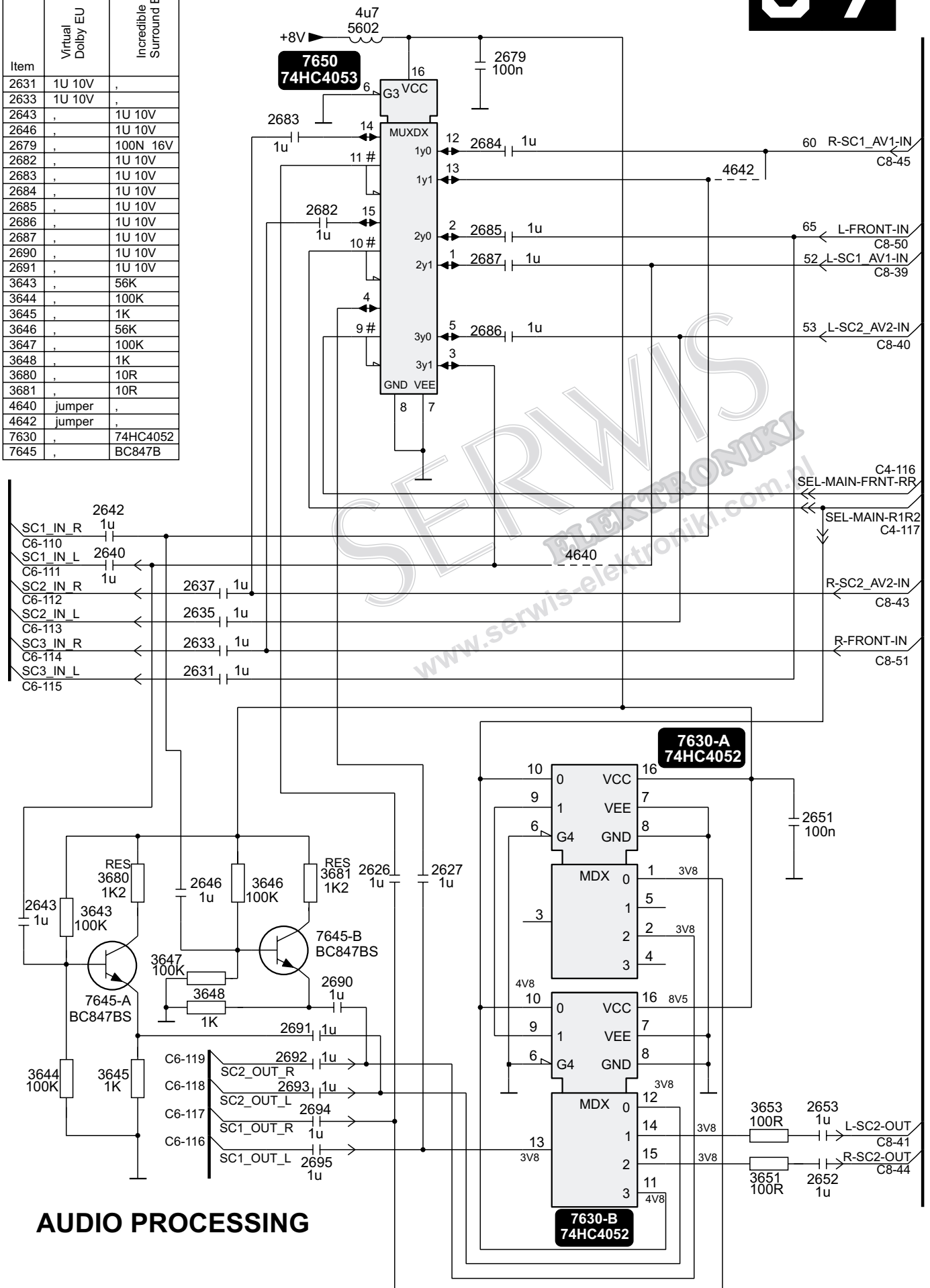
AUDIO PROCESSING



Diversity table diagram C7

Item	Virtual Dolby EU	Incredible Surround EU
2631	1U 10V	,
2633	1U 10V	,
2643	,	1U 10V
2646	,	1U 10V
2679	,	100N 16V
2682	,	1U 10V
2683	,	1U 10V
2684	,	1U 10V
2685	,	1U 10V
2686	,	1U 10V
2687	,	1U 10V
2690	,	1U 10V
2691	,	1U 10V
3643	,	56K
3644	,	100K
3645	,	1K
3646	,	56K
3647	,	100K
3648	,	1K
3680	,	10R
3681	,	10R
4640	jumper	,
4642	jumper	,
7630	,	74HC4052
7645	,	BC847B

C7



AUDIO PROCESSING

OTVC Philips chassis A10E AA

OTVC Philips chassis A10E A4

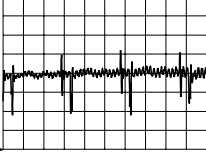
SSB_CONNECTOR

TO 0226 OF SSP TUNER
(S30)

A 4

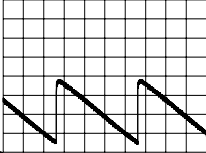
C8

I1



0.2V / div DC
5 µs / div

S2



0.5V / div DC
5 ms / div

S3



0.5V / div DC
5 ms / div

S4



1.0V / div DC
5 ms / div

V06



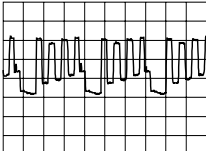
1.0V / div DC
0.5µs / div

V07



0.5V / div DC
20µs / div

V08

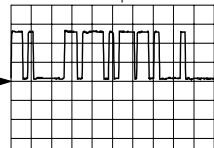


0.5V / div DC
20µs / div

C2-1	<	0V	B-SC1-IN U-IN	80
C2-2	<	0V	G-SC1-IN Y-IN	79
C2-3	<	0V	R-SC1 V-IN	78
C2-4	<	0V	FBL-SC1-IN	77
			GND-RGB-SC1 YUV	76
C3-5	<	0V	Y-CVBS-SC2_AV2-IN	75
C3-6	<	0V	C-SC2 SVHS-IN	74
			GND-CVBS-IN	73
C2-7	>	2V	CVBS-SC2_MON-OUT	72
C3-8	>	0V	CVBS-SC1_AV1-IN	71
C1-9	>	1V8	CVBS_TER_OUT	70
			GND-CVBS-OUT	69
C3-10	<	0V	IF-TER	68
C3-11	<	0V	GND-IF	67
C1-12	<	2V	AGC	66
C1-13	<	2V	CVBS-PIP_TUN1-2-CVBS-IN	65
			GND-PIP	64
C4-14	<	0V	STATUS1_PIP-AFT_PIP-50-60HZ	63
C4-15	<	0V	SEL-SVHS-RR STATUS2	62
C4-16	<	3V4	COMM_LINE	61
C2-17	<	5V6	CUTOFF	60
			GND-RGB-CRT	59
C2-18	>	2V4	B-CRT	58
C2-19	>	2V2	G-CRT	57
C2-20	>	2V3	R-CRT	56
C1-21	>	0V5	LINEDRIVE1	55
			GND-LINEDRIVE	54
C1-22	>	0V9	FRAMEDRIVE+	53
C1-23	>	0V	FRAMEDRIVE-	52
			GND-SSP	51
C1-24	>	0V9	EW-DRIVE	50
C1-25	>	0V8	SC	49
C2-26	>	4V2	EHT-INFO	48
C1-27	>	2V8	DYN-FASE-COR	47
C4-28	>	3V3	TILT	46
C1-29	>	2V2	PROTN	45
C4-30	>	3V5	VFB	44
C4-31	>	0V	PANORAMA	43
C4-32	>	4V8	HFB	42
		+5V		41
		+3.3V-STBY		40
		+8V		39
			GND-SSP	38
			GND-SSP	37
C4-33	<	2V5	SDA	36
C4-34	<	2V8	SCL	35
C4-35	<	0V6	SDA-2	34
C4-36	<	0V6	SCL-2	33
C4-37	<	0V	STAND-BY	32
C4-38	<	3V5	SOUND-ENABLE	31
C7-39	<	0V	L-SC1_AV1-IN	30
C7-40	<	0V	L-SC2_AV2-IN	29
			GND-SCART_VIN	28
C7-41	<	0V	L-SC2-OUT	27
C6-42	<	0V	L-SC1_AV-OUT	26
			GND-SCART_OUT	25
C7-43	<	0V	R-SC2_AV2-IN	24
C7-44	<	0V	R-SC2-OUT	23
C7-45	<	0V	R-SC1_AV1-IN	22
C6-46	<	0V	R-SC1_AV-OUT	21
C4-47	<	3V5	FRONT-DETECT	20
C3-48	<	0V	Y-CVBS-FRONT-IN	19
C3-49	<	0V	C-FRONT-IN	18
C7-50	<	0V	L-FRONT-IN	17
C7-51	<	0V	R-FRONT-IN	16
C6-52	<	0V1	HEADPHONE-L	15
C6-53	<	0V1	HEADPHONE-R	14
C6-54	<	0V	L-CL_VL-OUT	13
C6-55	<	0V	R-CL_VL-OUT	12
			GND-AUDIO-OUT	11
C6-56	<	0V	AUDIO-SURR	10
C6-57	<	0V	AUDIO-C	9
C6-58	<	0V1	AUDIO-SW	8
C6-59	<	0V1	AUDIO-L	7
C6-60	<	0V1	AUDIO-R	6
C4-61	<	1V7	ON-OFF-LED	5
C4-62	<	3V5	RC5	4
C4-63	<	3V5	KEYBOARD	3
C4-64	<	0V	LIGHT-SENSOR_VDEGAUSS	2
				1

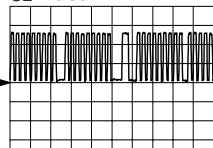
0226
spo-lib-0002

C1 I²C SDA Eeprom



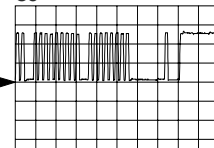
2V / div DC
50µs / div

C2 I²C SCL



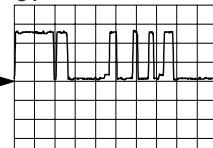
2V / div DC
50µs / div

C3 I²C SCL-2

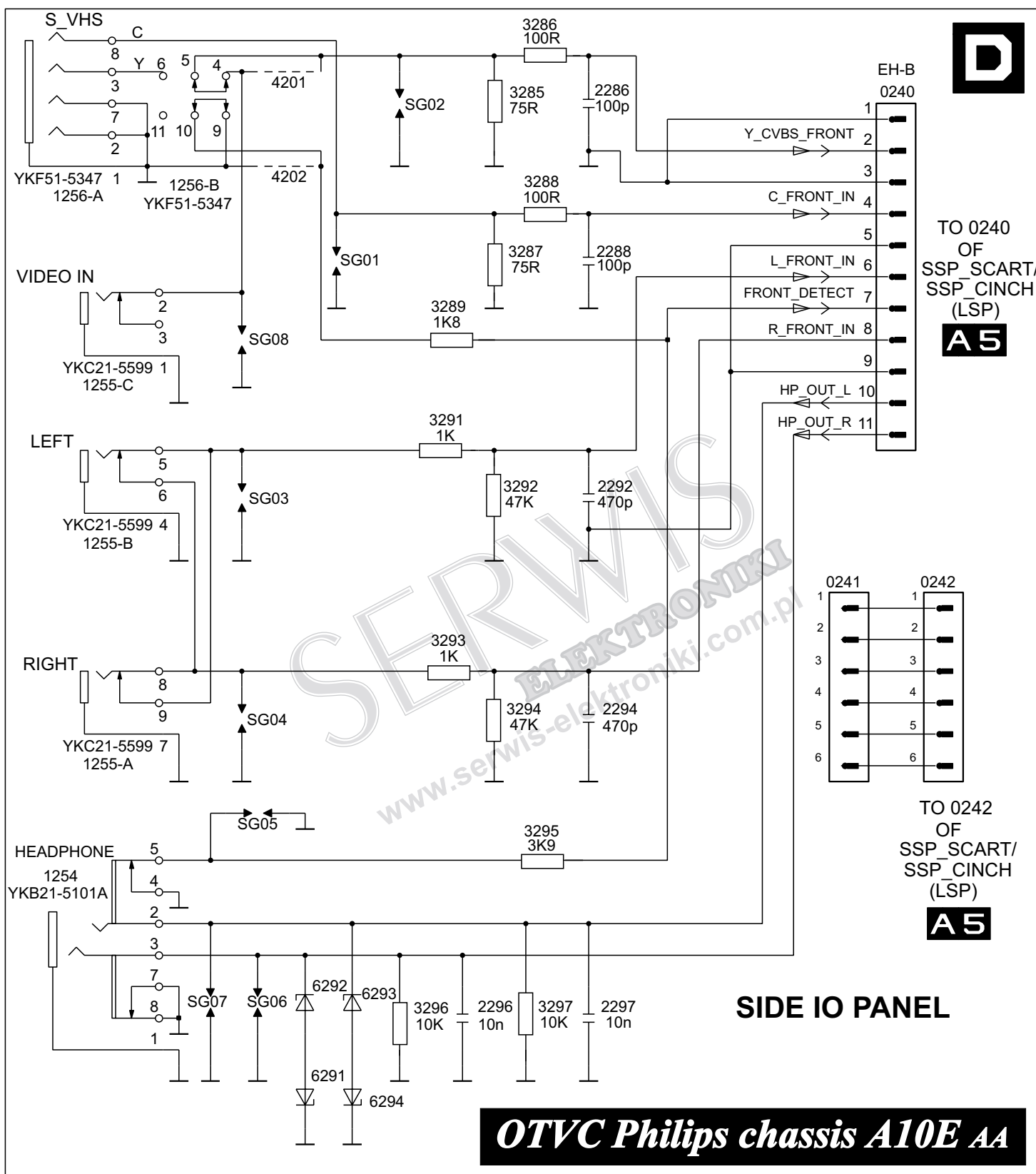


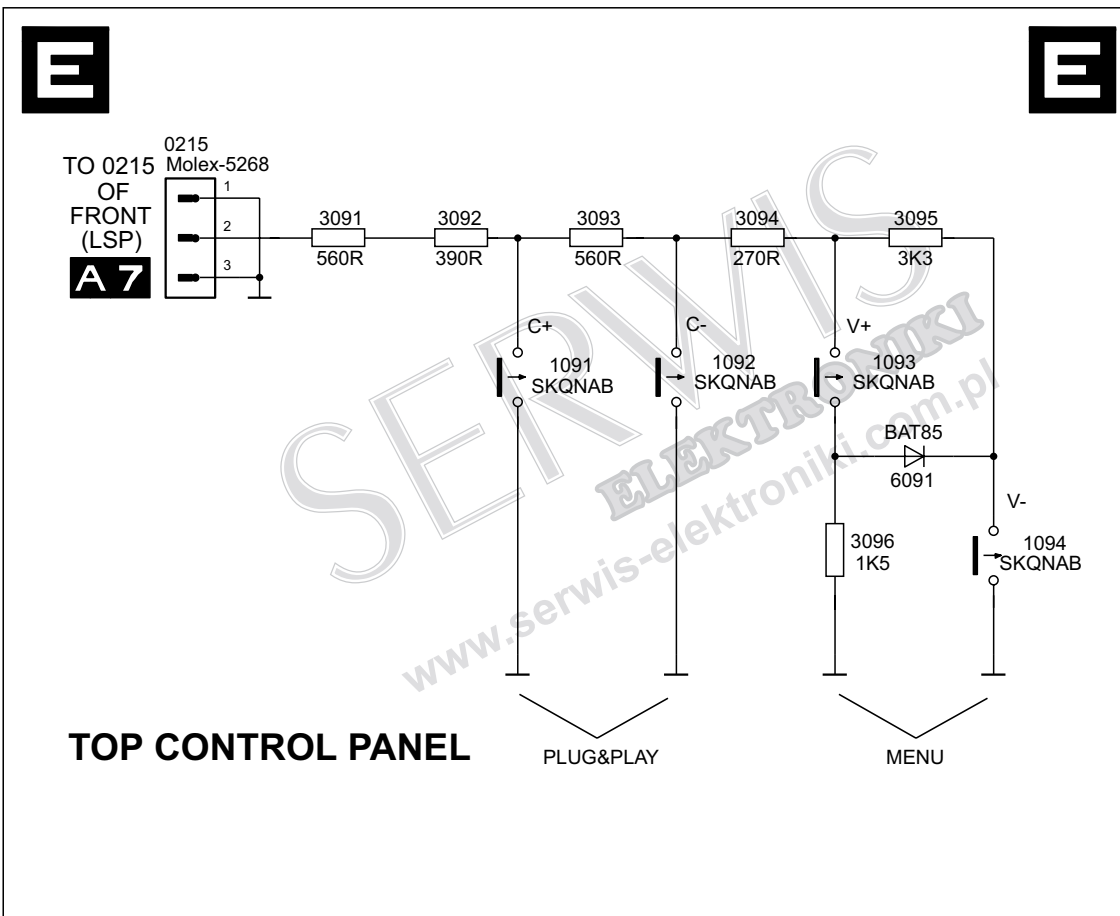
2V / div DC
50µs / div

C4 I²C SDA-2

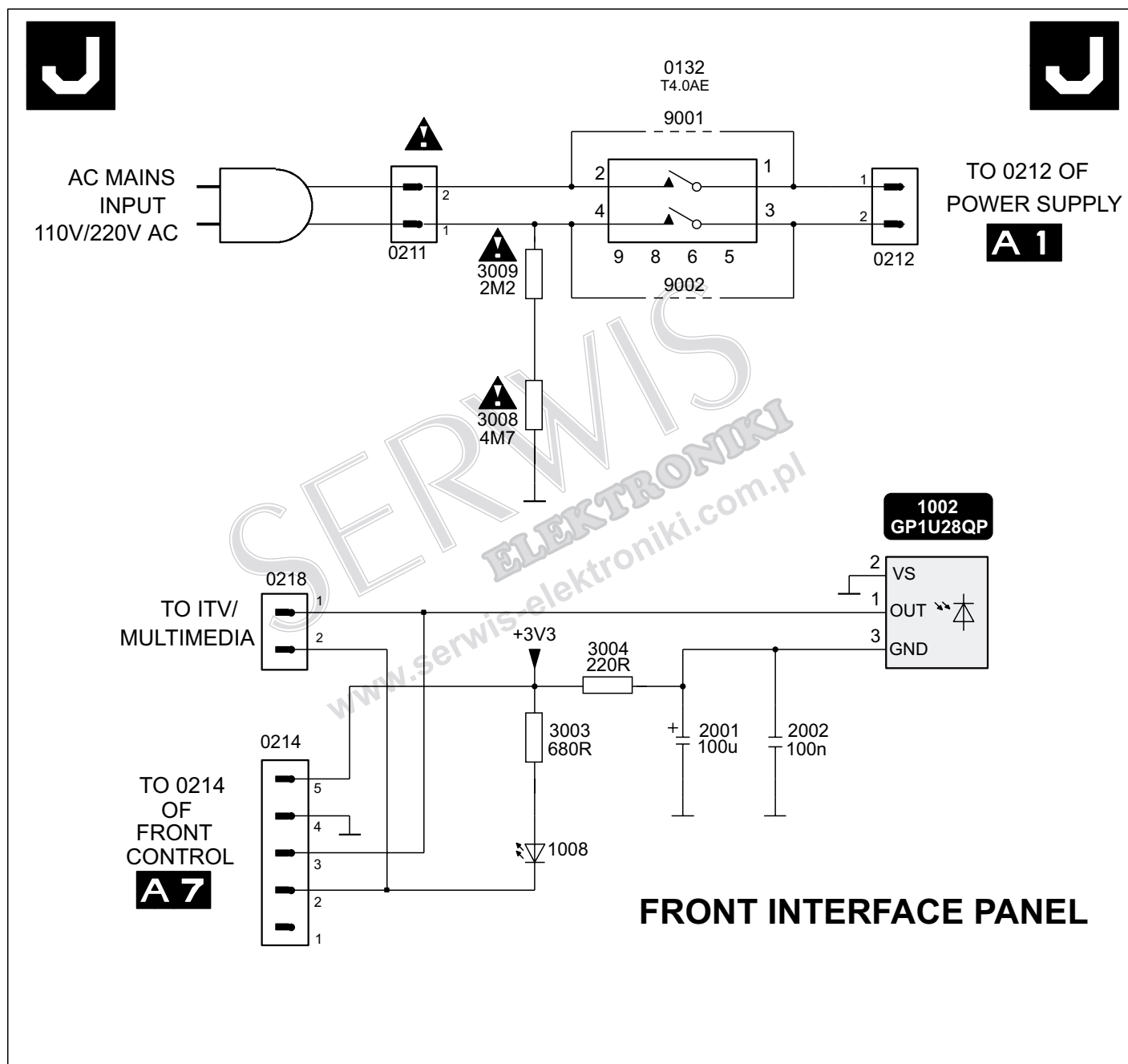


2V / div DC
50µs / div





OTVC Philips chassis A10E A4



OTVC Philips chassis A10E A4