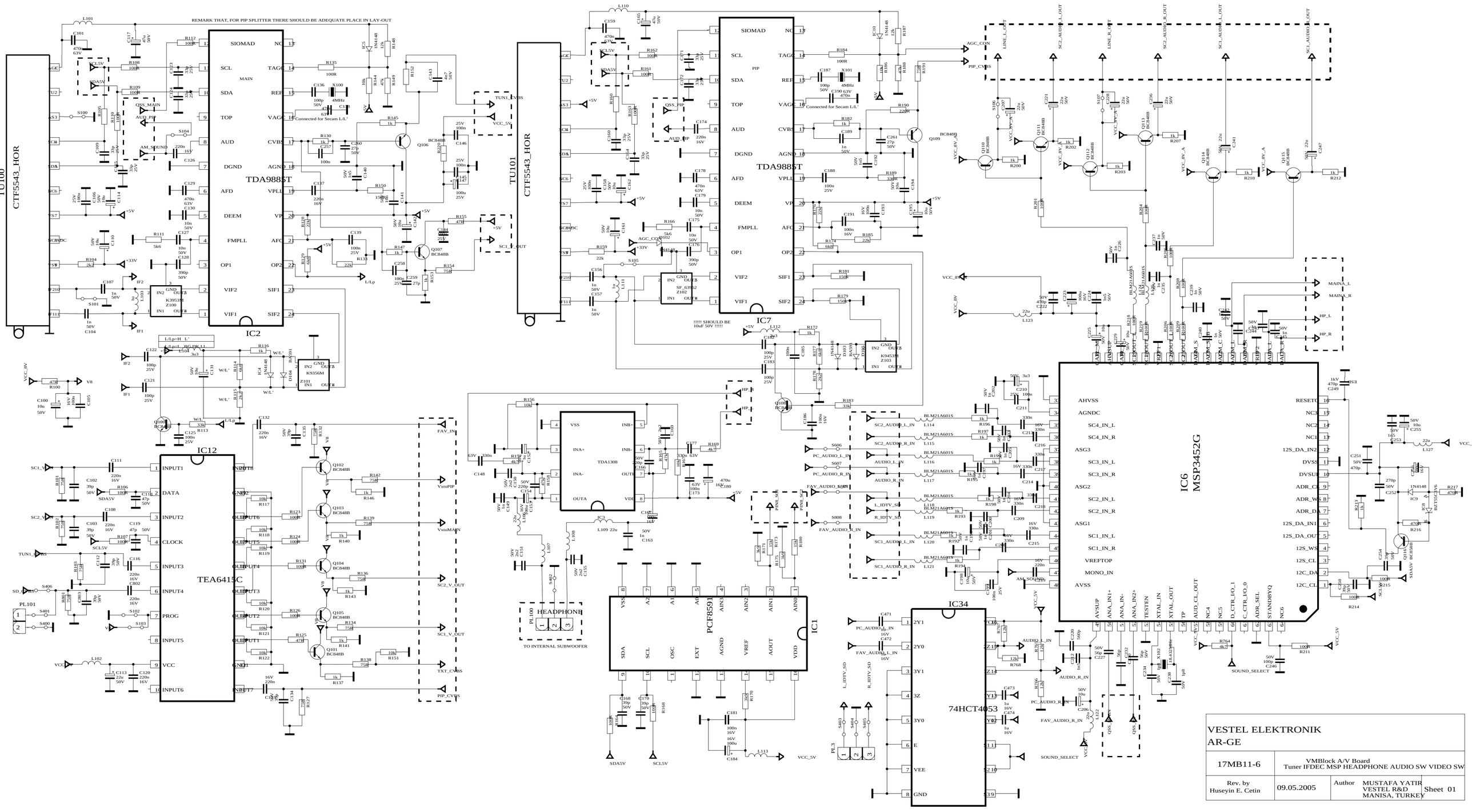
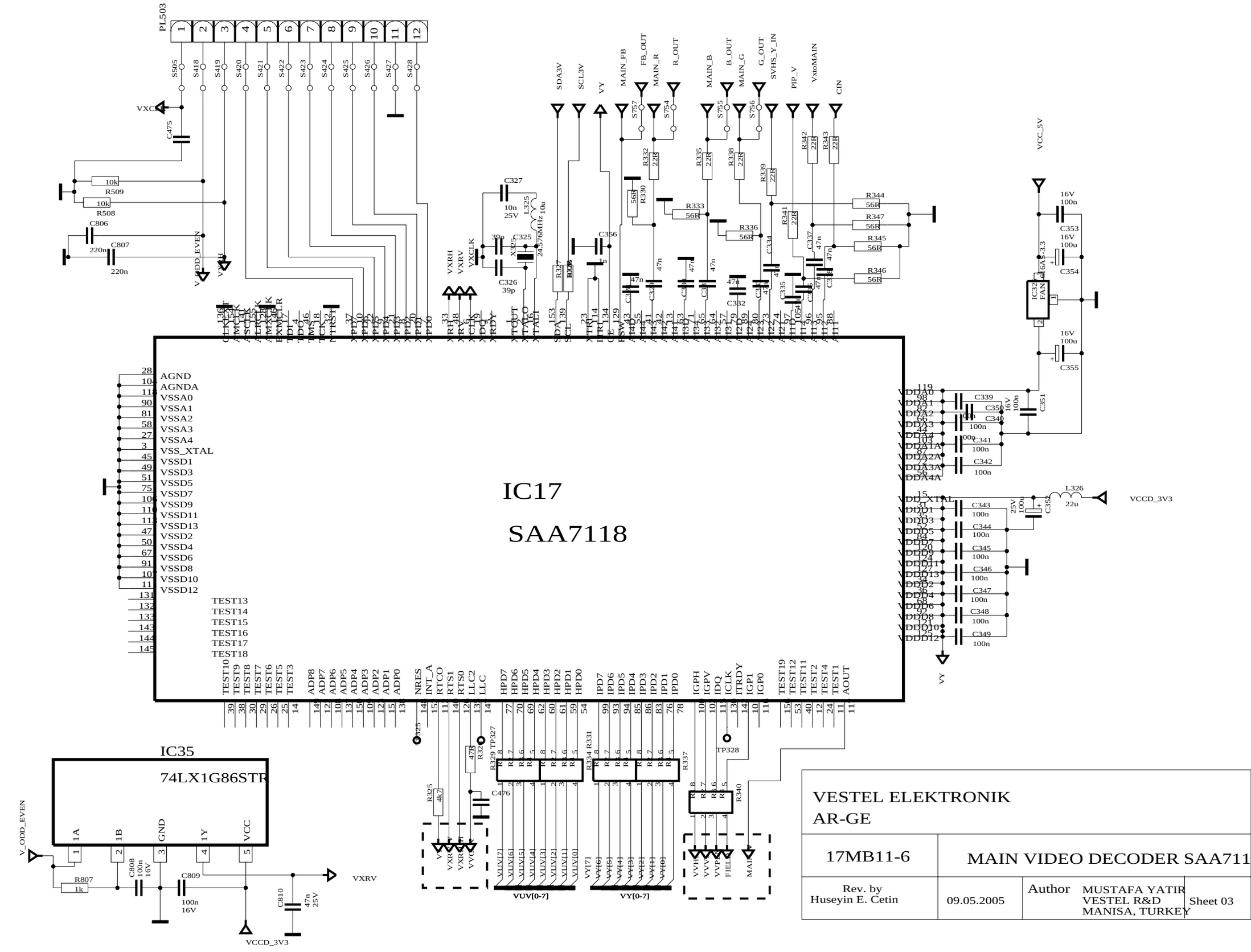
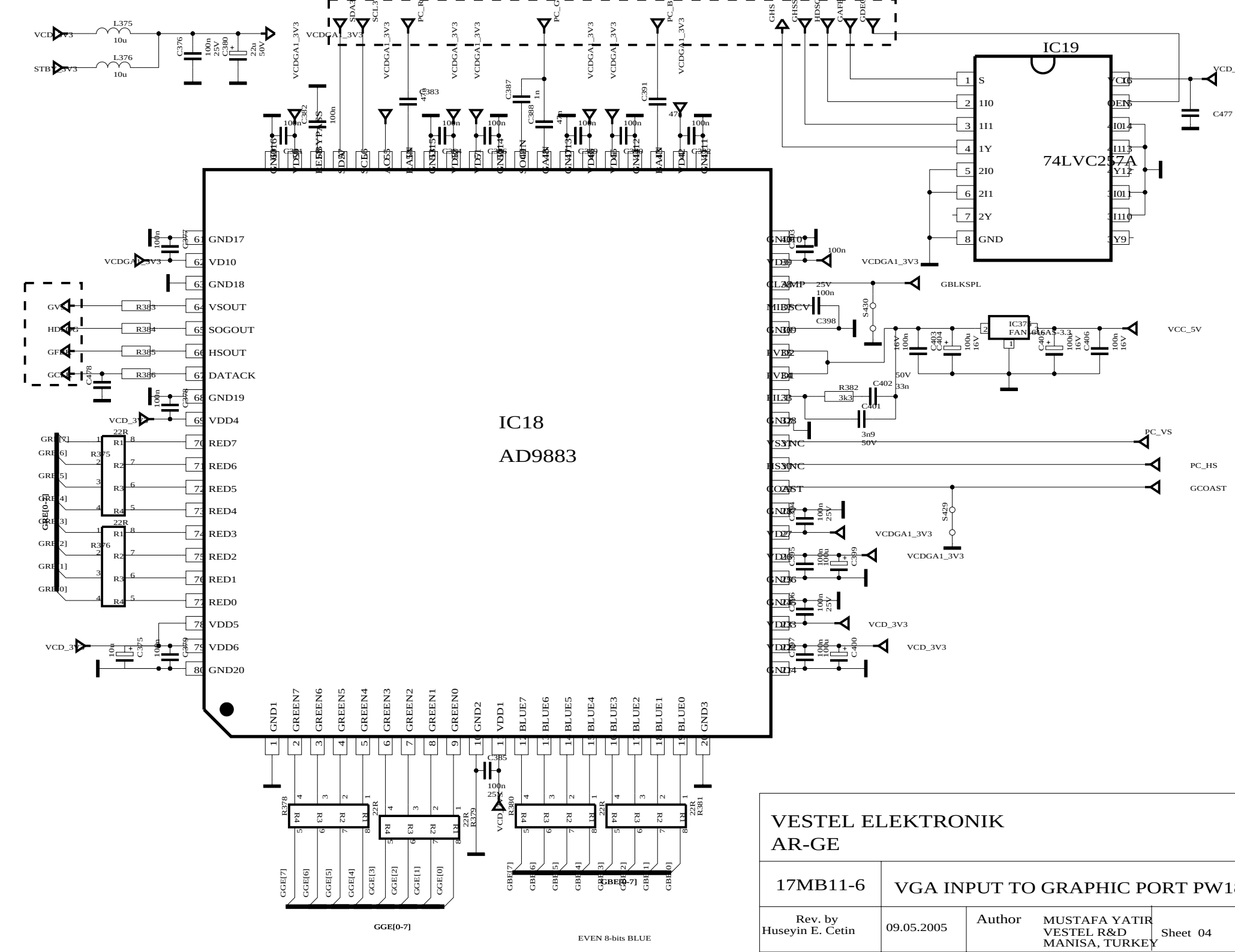

REMARK THAT, FOR PIP SPLITTER THERE SHOULD BE ADEQUATE PLACE IN LAY-OUT
TU100
CTF5543_HOR
IC2
TDA9885T
MAIN
IC7
TDA9885T
PIP
TU101
CTF5543_HOR
!!!!! SHOULD BE 10uF 50V !!!!!
IC12
TEA6415C
IC1
PCF8591
IC6
MSP3452G
IC34
74HCT4053
IC3
TDA1308
PL100
HEADPHONE
TO INTERNAL SUBWOOFER
PL101
PL3
VESTEL ELEKTRONIK
AR-GE
17MB11-6
VMBlock A/V Board
Tuner IFDEC MSP HEADPHONE AUDIO SW VIDEO SW
Rev. by
Huseyin E. Cetin
09.05.2005
Author
MUSTAFA YATIR
VESTEL R&D
MANISA, TURKEY
Sheet 01

PL266
D266 1N4148
D267 1N4148
DDC_V
D265 1N4148
1N4148 D268
1N4148 D269
1N4148 D270
D271 1N4148
D273 1N4148
R277 2k
R278 2k
D274 1N4148
R265 75R
R267 75R
R268 75R
PC_R
PC_G
PC_B
PC_H
PC_V
PC_VS
DDC_5V
DDC_DATA_PC
DDC_CLK_PC
22R R274
22R R275
D272 1N4148
22R R276
IC112
74LVC14A
GND 7
3Y 6
3A 5
2Y 4
2A 3
1Y 2
1A 1
4Y 8
4A 9
5Y 10
5A 11
6Y 12
6A 13
VCC 14
DDC_V
VCCA_3V3
R266 22R
DVI_VDDC
R269 10k
R270 10k
IC111
ST24LC21
VCC 8
VCLK 7
SCL 6
SDA 5
NC1
NC2
NC3
VSS
ANA_VS_DVI
DDC_CLK_DVI
DDC_DATA_DVI
R272 100R
R271 100R
BZT55C5V1
D276
D278 1N4148
D275
R283 10k
R284 10k
1N4148 D280
BZT55C5V1
1N4148
D277
R281 100K
R282 100K
1N4148 D279
IC113
ST24LC21
SDA 5
SCL 6
VCLK 7
VCC 8
VSS 4
NC3 3
NC2 2
NC1 1
S805
A/D_DIM_SEL
RGB_SW_2
S802
DIG_DIM
IC115
PI5V330_SOIC
RGB_SW_2
SD_FB
R_OUT
R_OUT_2
SD_OUT
G_OUT
G_OUT_2
R774 75R
R775 75R
R776 75R
R777 75R
R778 75R
R779 75R
R780 75R
A 1
B 2
C 3
D 4
E 5
F 6
G 7
H 8
R 16
O 15
N 14
M 13
L 12
K 11
J 10
I 9
50V 47u C767
100n 16V C768
+5V
R781 75R
R782 75R
R783 75R
R784 75R
R785 75R
SD_FB
FB_OUT
FB_OUT_2
SD_B
B_OUT
B_OUT_2
DVI_RX0-
DVI_RX0+
DVI_RXC+
DVI_RXC-
PL268
C4 C5-2 C2
C3 C5-1 C1
R288 10k
DVI_VDDC
ANA_VS_DVI
DDC_DATA_DVI
DDC_CLK_DVI
DVI_RX1+
DVI_RX2+
DVI_RX2-
DVI_RX1-
L289 10u 50V
25V 100n C290
1N4148 D281
BLM21A601S L279
BLM21A601S
1N4148 D282
L278
VCC_5V
50V 1n C252
50V 150p C291
680R R290
L280
IC114
PI5V330_SOIC
RGB_SW
SC2_R
SC2_G
SC1_R
SC1_G
G_OUT
R295 75R
R292 75R
R293 75R
R291 75R
R289 75R
R294 75R
R296 75R
R298 75R
R299 75R
R303
R304 75R
R300 75R
SC2_R
SC2_G
SC1_R
SC1_G
FB_OUT
SC1_B
B_OUT
50V 47u C300
C301 100n 16V
+5V
L272 BLM21B201S
L274 BLM21B201S
L270 BLM21B201S
L271
L273 BLM21B201S
L275
C281 4n7 50V
C279 4n7 50V
C275 4n7 50V
C280 4n7 50V
JK266 LINE LEFT
JK267 LINE RIGHT
JK265 JACK-AK16
LINE_L_OUT
LINE_R_OUT
PC_AUDIO_R_IN
PC_AUDIO_L_IN
PL267
L276
L267
L268
L269
L273
C271 4n7 50V
C272 4n7 50V
C273 4n7 50V
C274 4n7 50V
C275 4n7 50V
C276 4n7 50V
C277 150p 50V
C278 150p 50V
C282 150p 50V
C283 150p 50V
C284 150p 50V
C286 150p 50V
C288 150p 50V
R279 680R
R280 680R
R285 100R
R286 75R
D704
D705
D706
D614 n.c
BZT55C12
SC1_AUDIO_R_IN
SC1_AUDIO_L_IN
SC1_AUDIO_R_OUT
SC1_AUDIO_L_OUT
SC1_B
SC1_G
SC1_R
SC1_FB
SC1_V_OUT
SC1_V_IN
PIN8_SC1
PL265
C265 150p 50V
S407
S408
S409
S410
S411
L266
S412
L265
C268 75R
R273
50V 39p
C269 220n 16V
C266 4n7 50V
C267 4n7 50V
FAV_IN
CIN
SVHS_Y_IN
FAV_AUDIO_R_IN
FAV_AUDIO_L_IN
PL269
S413
S414
S415
S416
S417
MAINA_L
MAINA_R
MUTE
CONNECTORs BETWEEN AUDIO AMP. BOARDS
PL271
SC2_AUDIO_R_OUT
SC2_AUDIO_R_IN
SC2_AUDIO_L_OUT
SC2_AUDIO_L_IN
PIN8_SC2
SC2_B
SC2_G
SC2_R
SC2_FB
SC2_V_OUT
SC2_V_IN
S300
D707
D708
D702
D703
D709
S809
S810
RXD
TXD
C293 4n7 50V
C295 150p 50V
C294 1n 50V
C296 50V
C297 150p 50V
C298 150p
C299 150p
C303 150p 50V
R297 680R
R301 100R
R302 75R
C302 50V 150p
D615 n.c BZT55C12
L281
L282
L283
L284
50V 150p
VESTEL ELEKTRONIK
AR-GE
17MB11-6
A/V Board IN/OUT
Rev. by Huseyin E. Cetin
09.05.2005
Author MUSTAFA YATIR VESTEL R&D MANISA, TURKEY
Sheet 02


IC17
SAA7118
IC35
74LX1G86STR
PL503
VCC_5V
VCCD_3V3
VXRV
V_ODD_EVEN
VUV[0-7]
VY[0-7]
VESTEL ELEKTRONIK
AR-GE
17MB11-6
MAIN VIDEO DECODER SAA711
Rev. by
Huseyin E. Cetin
09.05.2005
Author
MUSTAFA YATIR
VESTEL R&D
MANISA, TURKEY
Sheet 03



VESTEL ELEKTRONIK AR-GE			
17MB11-6	VGA INPUT TO GRAPHIC PORT PW1		
Rev. by Huseyin E. Cetin	09.05.2005	Author	MUSTAFA YATIR VESTEL R&D MANISA, TURKEY
			Sheet 04

IC20
SIL151B

EVEN 8-bits RED

ODD 8-bits BLUE

EVEN 8-bits GREEN

VESTEL ELEKTRONIK AR-GE			
17MB11-6	DVI RECEIVER SIL151B		
Rev. by Huseyin E. Cetin	09.05.2005	Author	MUSTAFA YATIR VESTEL R&D MANISA, TURKEY
			Sheet 05

IC21
PW181

IC22
DS90C385AMTD

IC23
MT28F800B3WG

IC24
24LC32A

IC25
ST24LC21

IC26
CY25814

IC36
ASM3P2779A

PL500

PL501

PL502

PL504

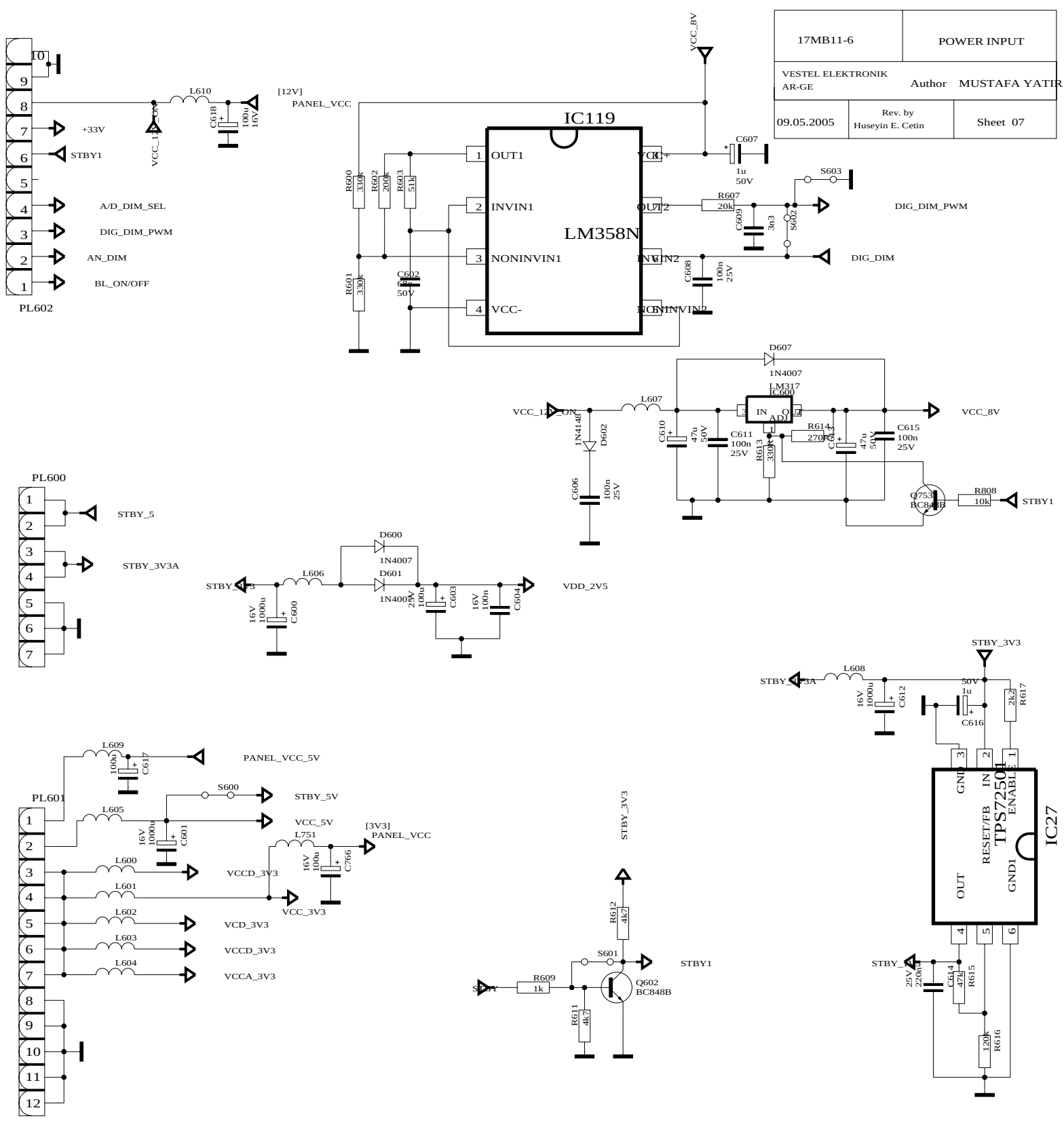
PL505

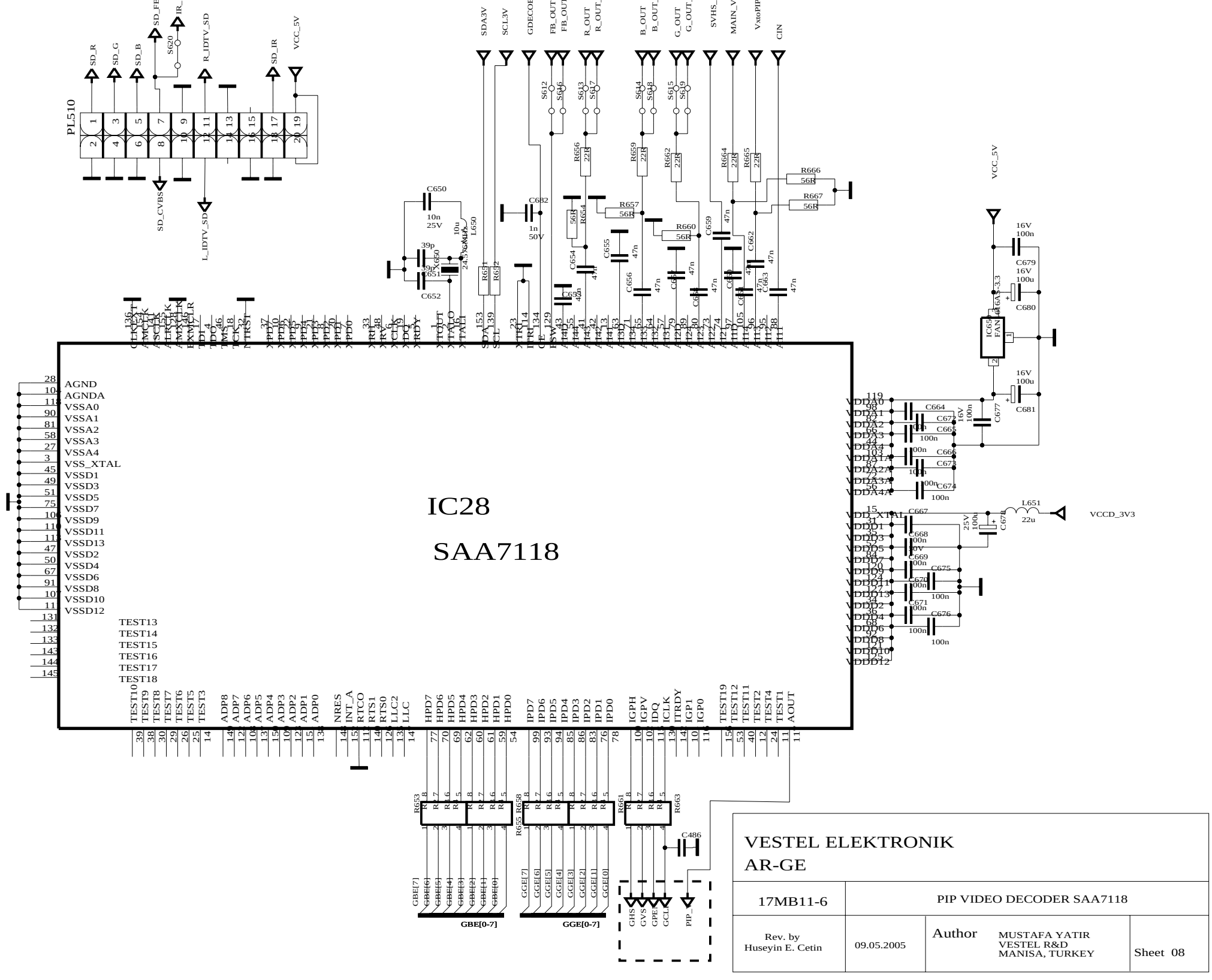
PL506

PL507

PL508

VESTEL ELEKTRONIK AR-GE	
17MB11-6	PW181 CONTROLLER
Rev. by: Huseyin E. Cetin	09.05.2005
Author: MUSTAFA YATIR, VESTEL R&D, MANISA, TURKEY	Sheet 06


17MB11-6
POWER INPUT
VESTEL ELEKTRONIK AR-GE
Author MUSTAFA YATIR
09.05.2005
Rev. by Huseyin E. Cetin
Sheet 07
PL602
+33V
STBY1
A/D_DIM_SEL
DIG_DIM_PWM
AN_DIM
BL_ON/OFF
L610
C618
100u 16V
[12V]
PANEL_VCC
VCC_8V
IC119
LM358N
OUT1
INVIN1
NONINVIN1
VCC-
VCC+
OUT2
INVIN2
NONINVIN2
C607 1u 50V
R600 330k
R602 200k
R603 51k
R601 330k
C602 50V
R607 20k
C609 3n3
S603
S602
DIG_DIM_PWM
DIG_DIM
C608 100n 25V
D607 1N4007
LM317 IC600
VCC_12V_ON
L607
1N4148 D602
C610 47u 50V
C611 100n 25V
R614 270R
C613 47u 50V
C615 100n 25V
R613 330R
C606 100n 25V
Q753 BC848B
R808 10k
PL600
STBY_5
STBY_3V3A
D600 1N4007
D601 1N4007
L606
C600 16V 1000u
C603 100u 25V
C604 16V 100n
VDD_2V5
L608
C612 16V 1000u
C616 50V 1u
R617 2k2
IC27
TPS72501
GND
IN
ENABLE
OUT
RESET/FB
GND1
L609 100u
C617
PANEL_VCC_5V
PL601
S600
STBY_5V
L605
C601 16V 1000u
VCC_5V
[3V3]
PANEL_VCC
L751
C766 16V 100u
L600
L601
L602
L603
L604
VCCD_3V3
VCC_3V3
VCD_3V3
VCCA_3V3
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S601
R609 1k
Q602 BC848B
R611 4k7
C614 25V 220n
R615 47k
R616 120k

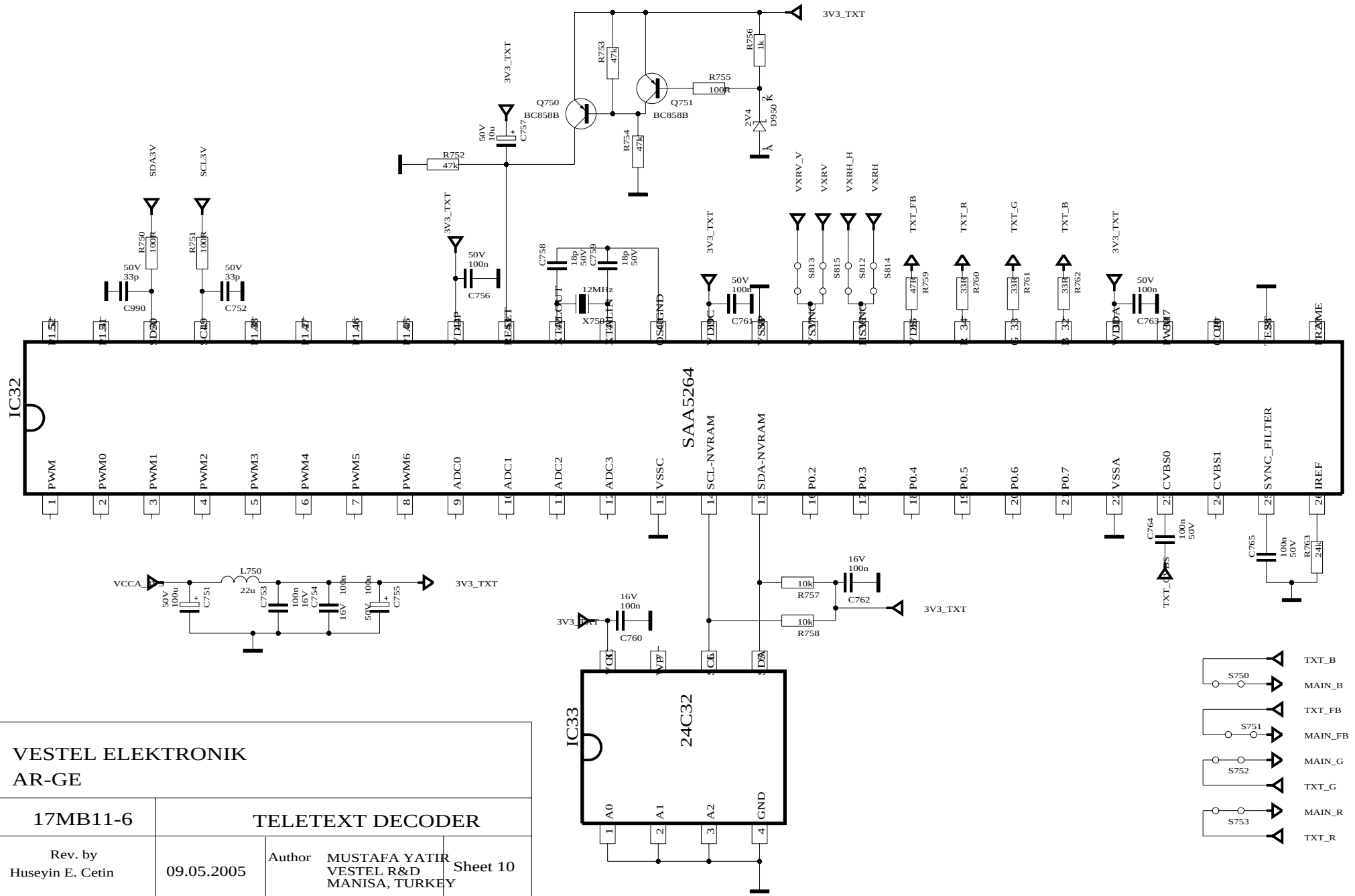


VESTEL ELEKTRONIK AR-GE			
17MB11-6	PIP VIDEO DECODER SAA7118		
Rev. by Huseyin E. Cetin	09.05.2005	Author MUSTAFA YATIR VESTEL R&D MANISA, TURKEY	Sheet 08

IC29
PW1231

VESTEL ELEKTRONIK AR-GE		DEINTERLACER FOR MAIN VIDEO ROUTE
Author MUSTAFA YATIR		Rev. by Huseyin E. Cetin
17MB11-6	09.05.2005	Sheet 09

IC30
MT48LC4M16A2



VESTEL ELEKTRONIK AR-GE			
17MB11-6	TELETEXT DECODER		
Rev. by Huseyin E. Cetin	09.05.2005	Author	MUSTAFA YATIR VESTEL R&D MANISA, TURKEY Sheet 10