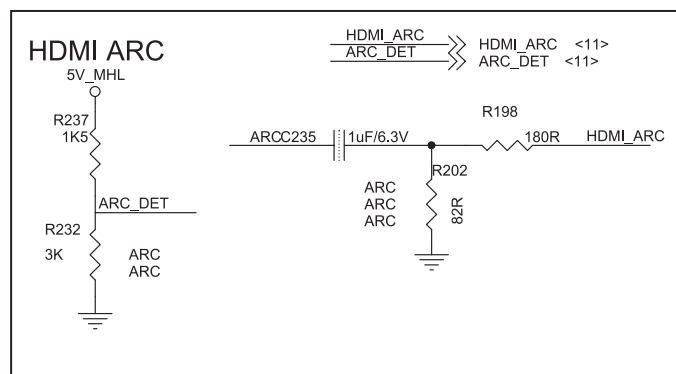
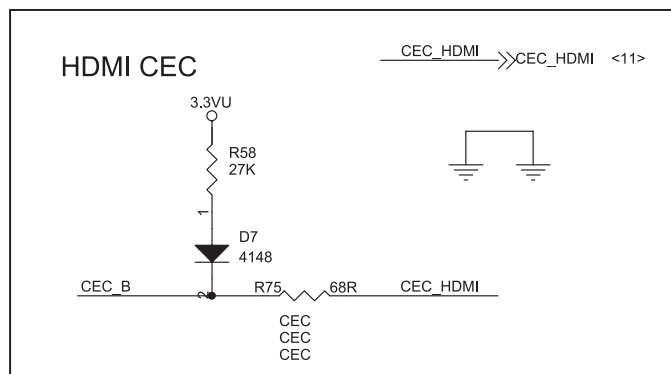
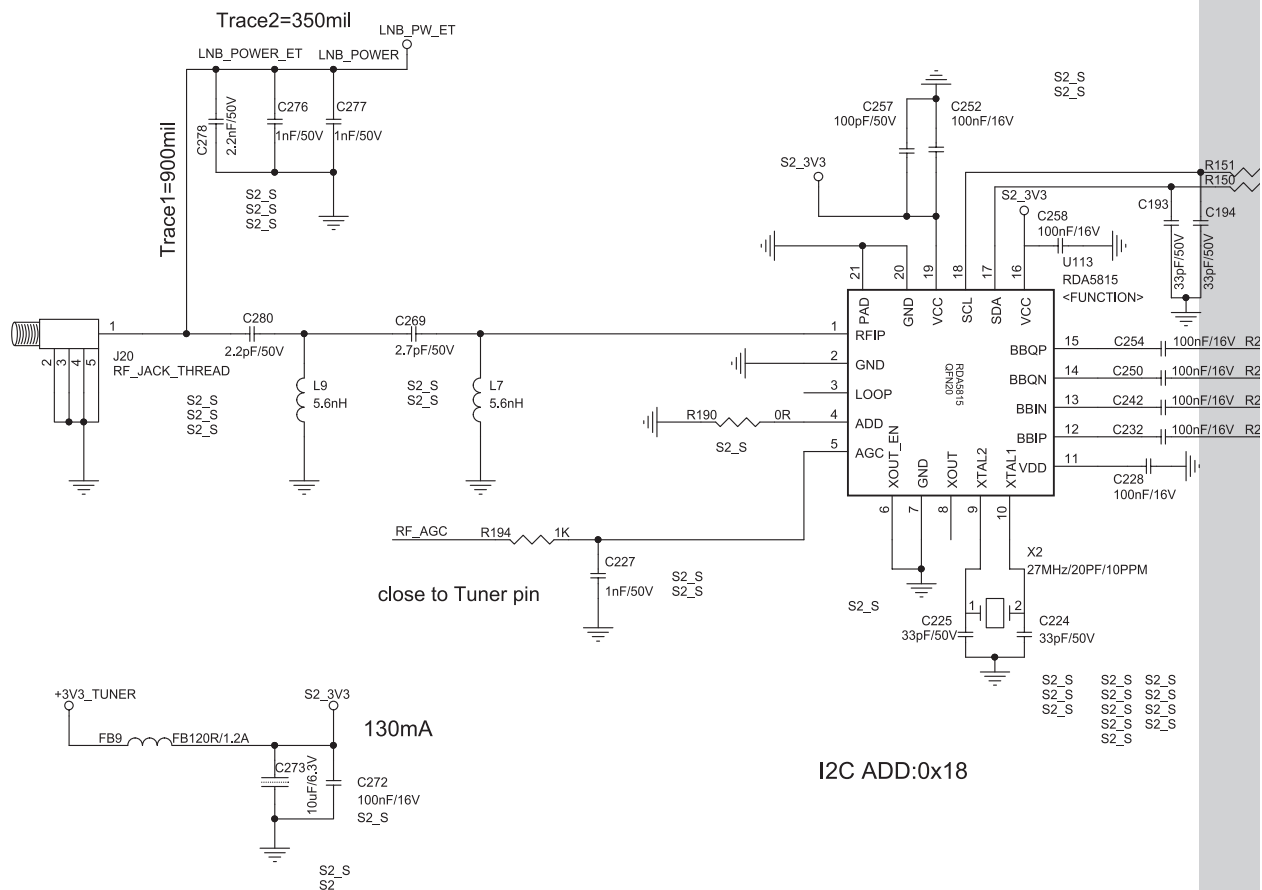


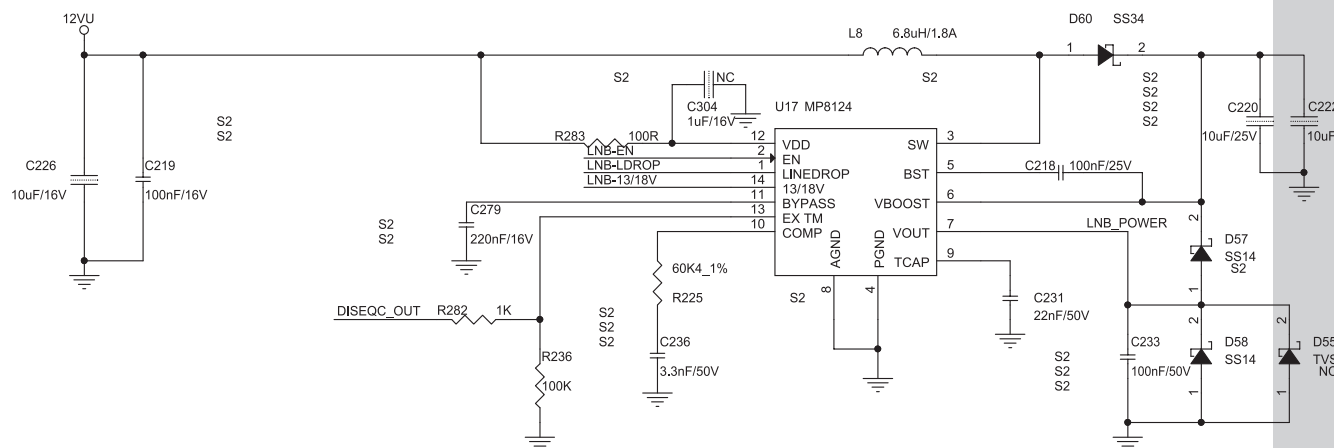
В ПАПКУ РЕМОНТНИКА

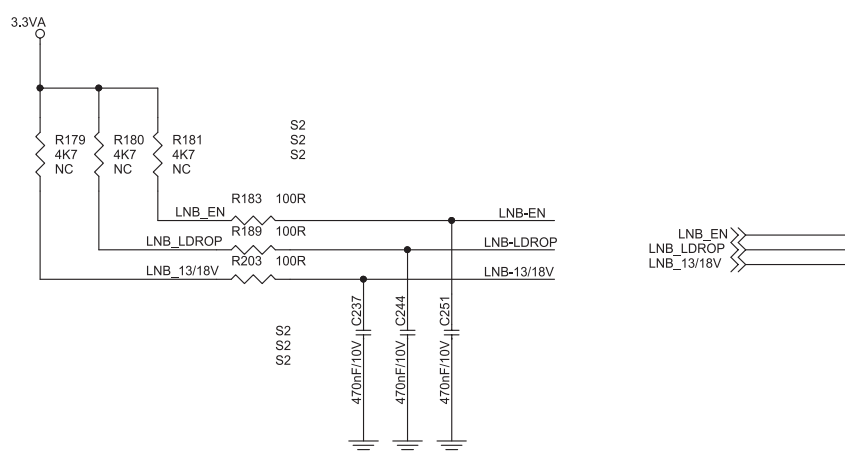
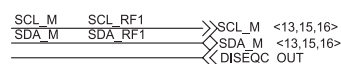
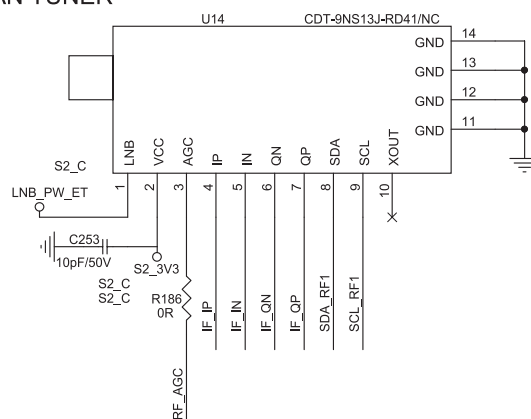
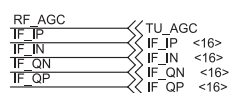


S2 SILICON TUNER



LNB_POER_CONTROL

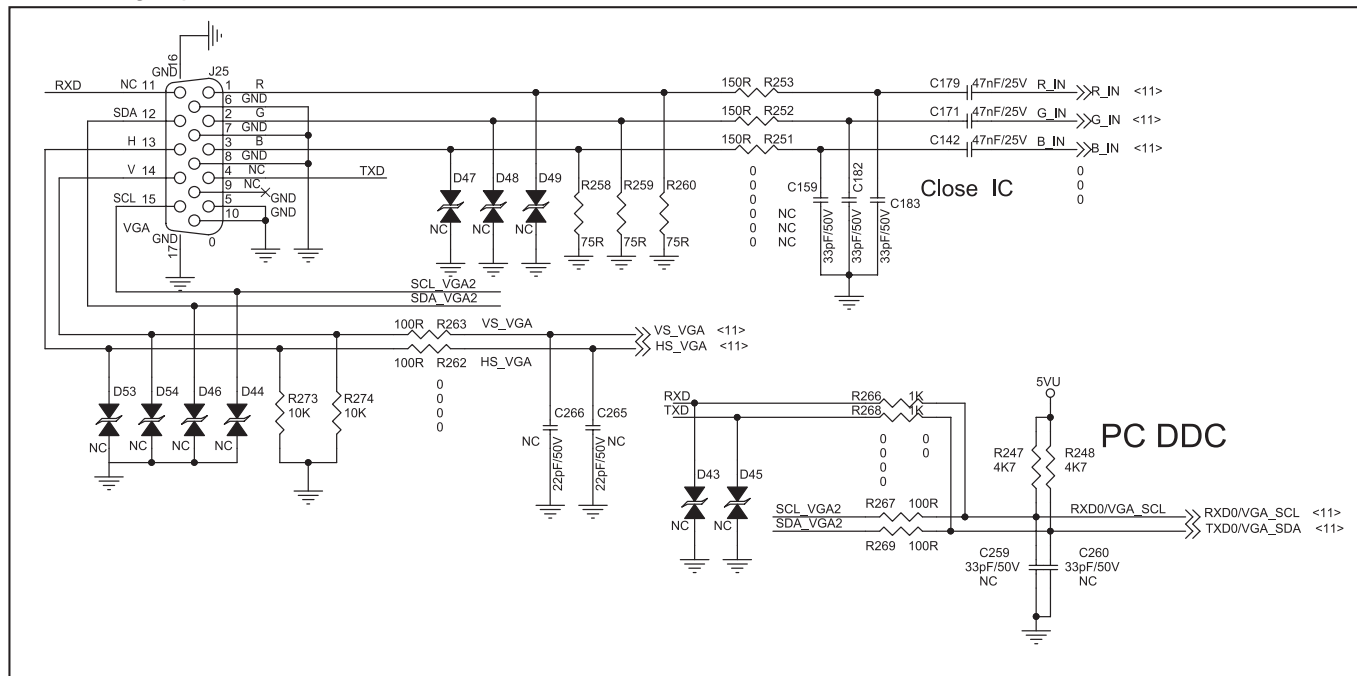




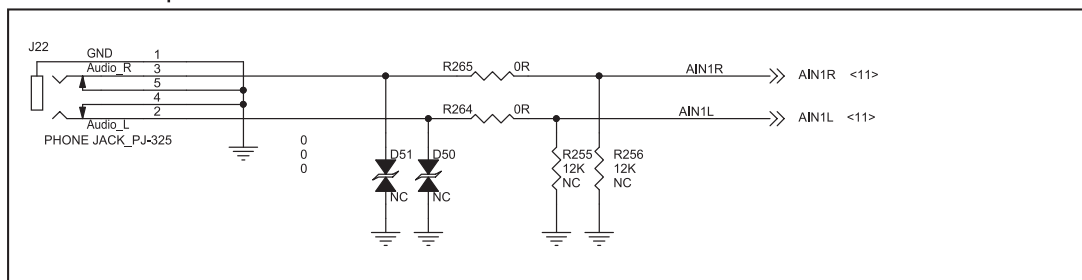
III

09.04.2021 11:50:31

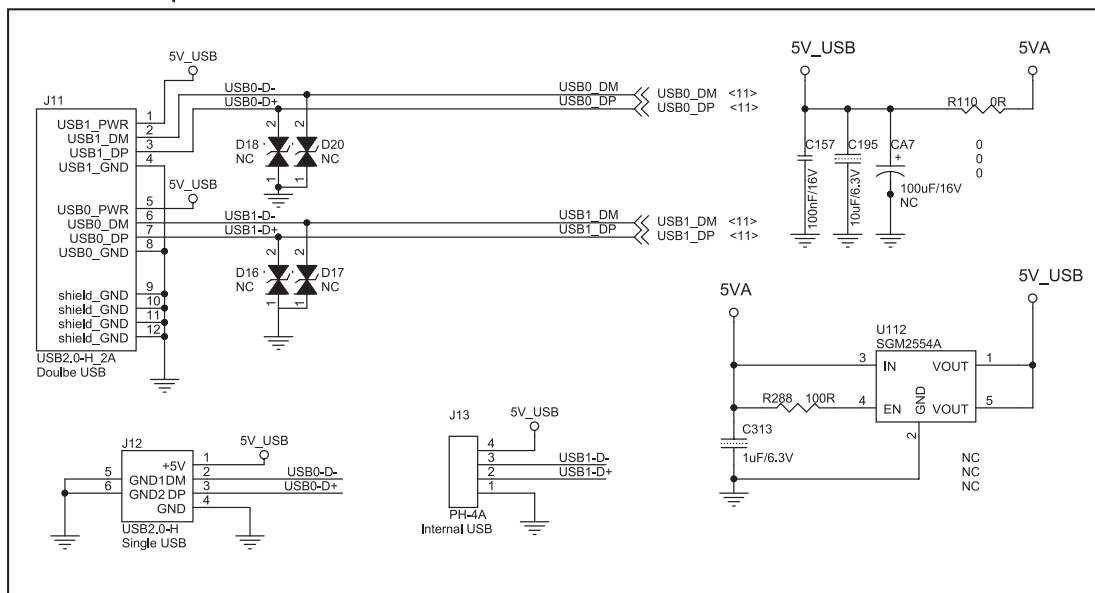
PC Analog Input



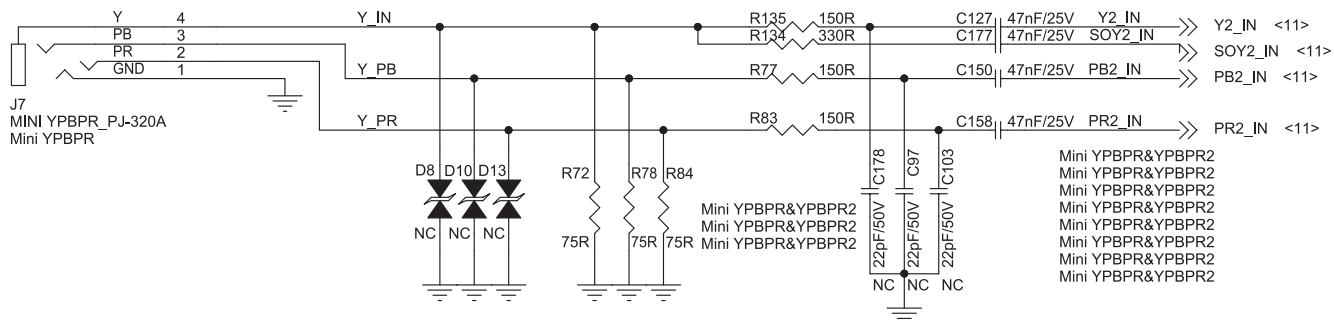
PC Audio Input



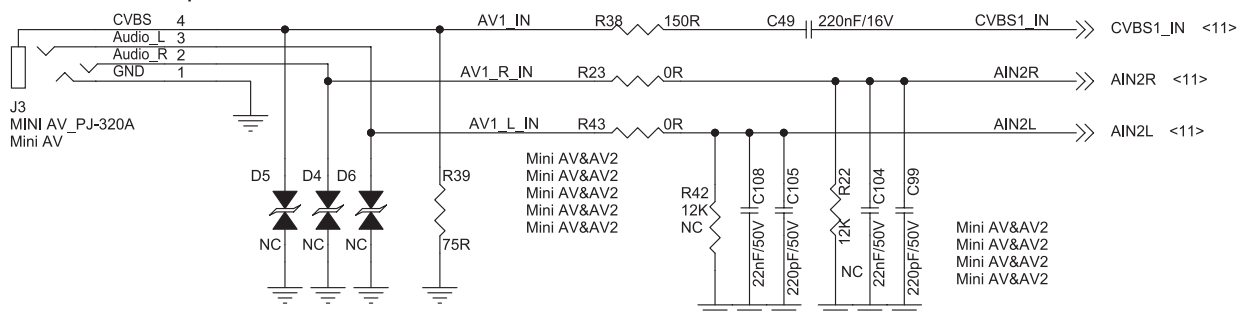
Dual USB Input



YPbPr Input

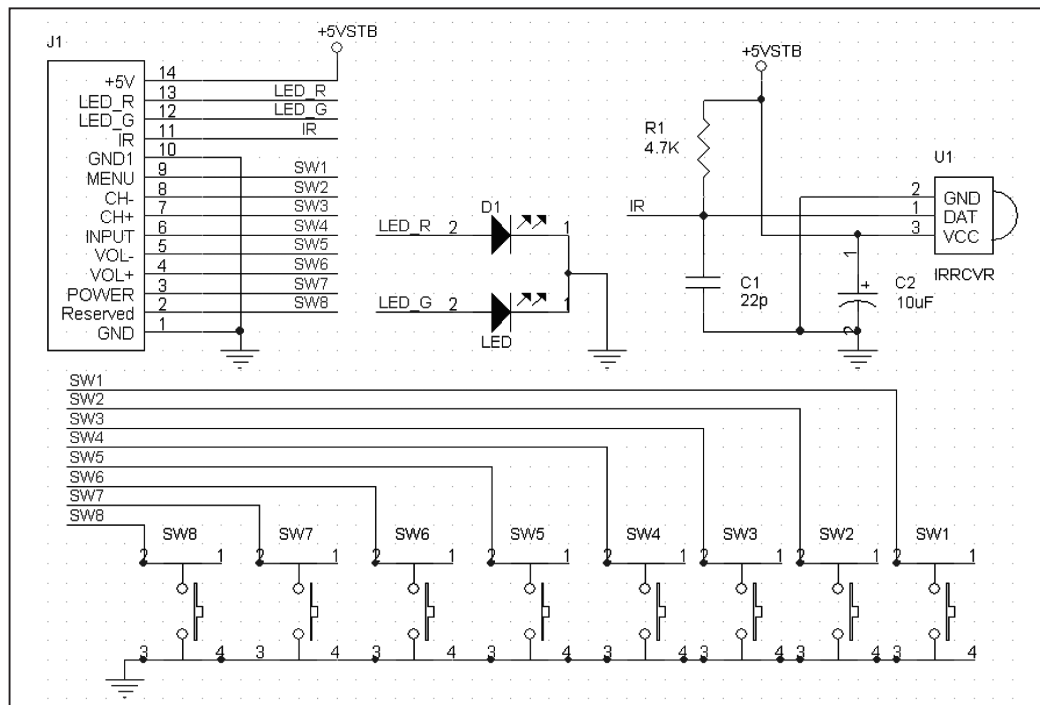
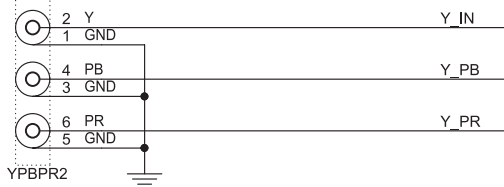


MINI AV Input



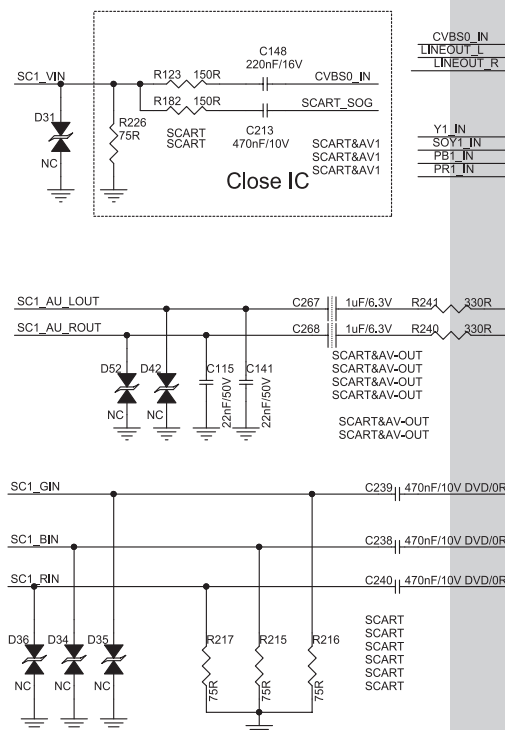
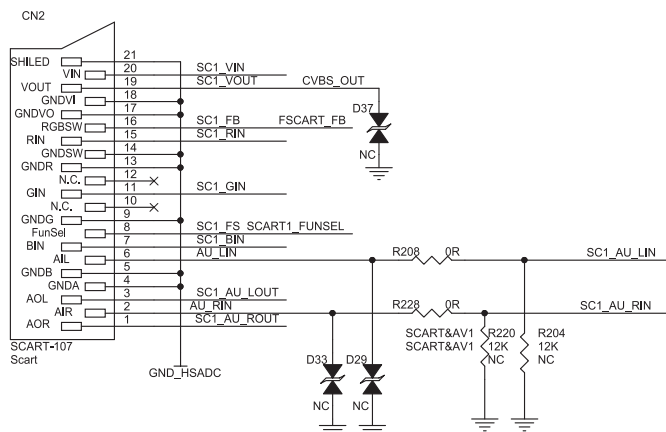
YPBPR2

J5
AV3-8.4-5MF_YPBPR

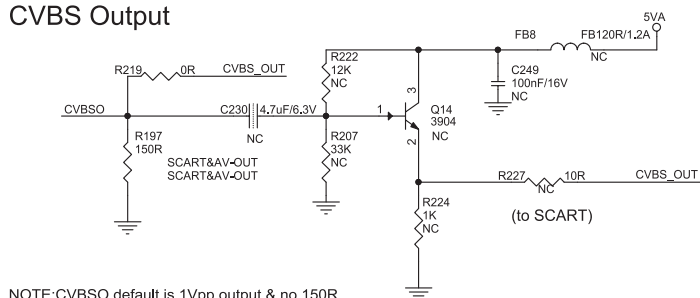


Интерфейс VGA и вход PC-audio. Сдвоенный USB-интерфейс. Входы Mini-AV, YPbPr. Плата клавиатуры

SCART1 Input

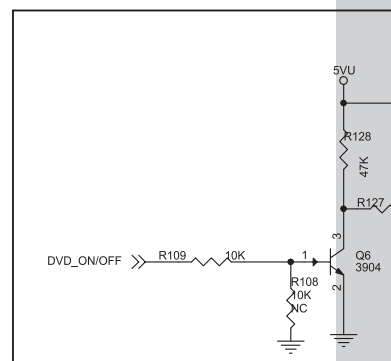
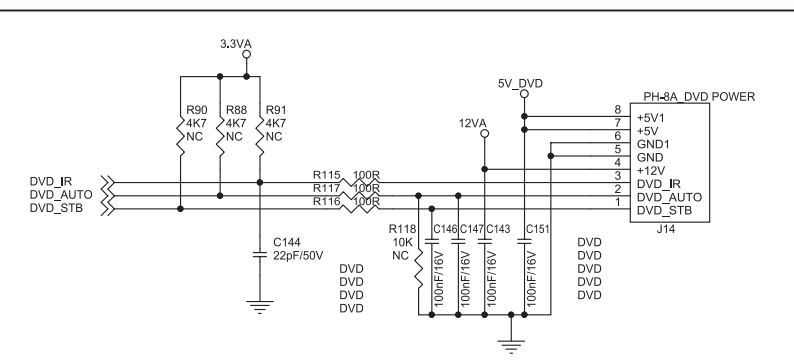
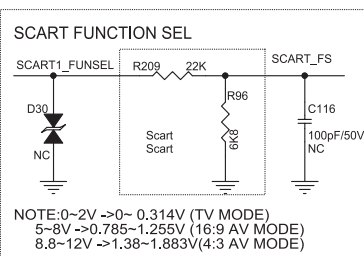
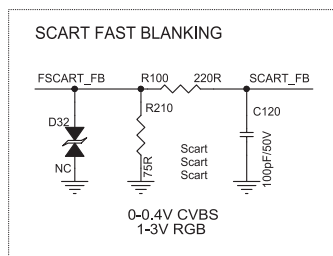


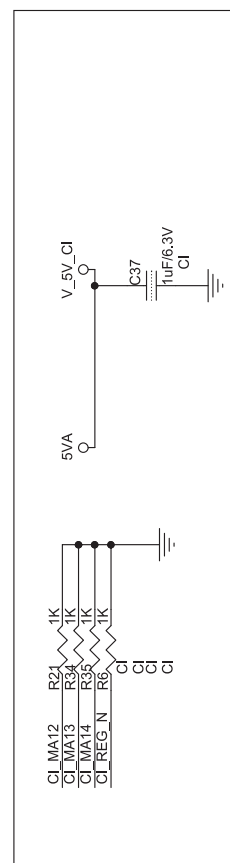
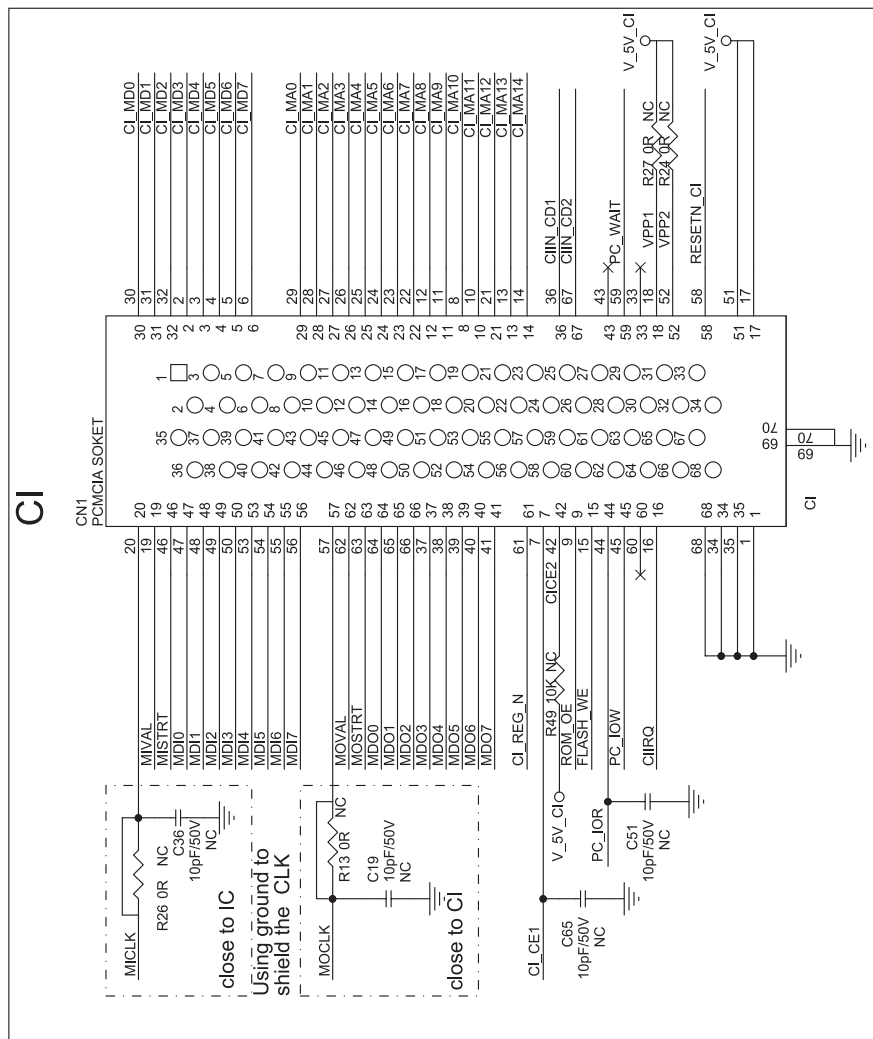
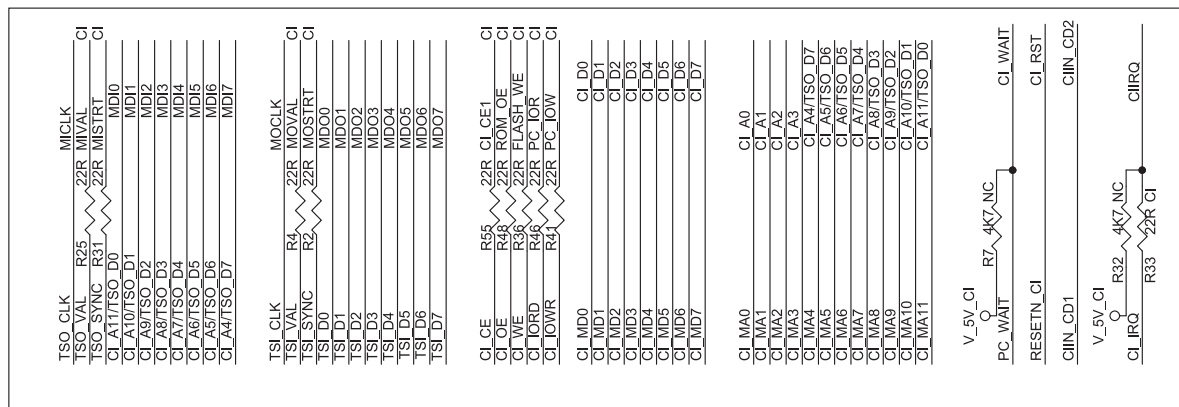
CVBS Output

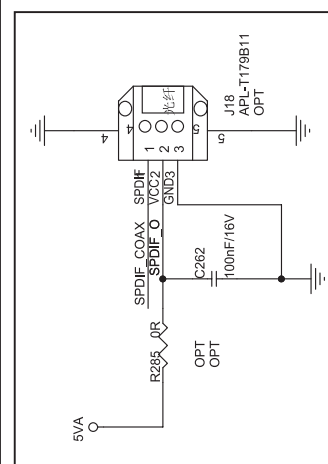
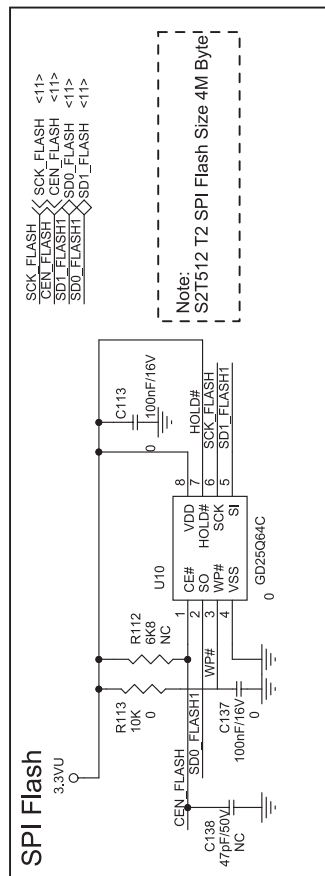
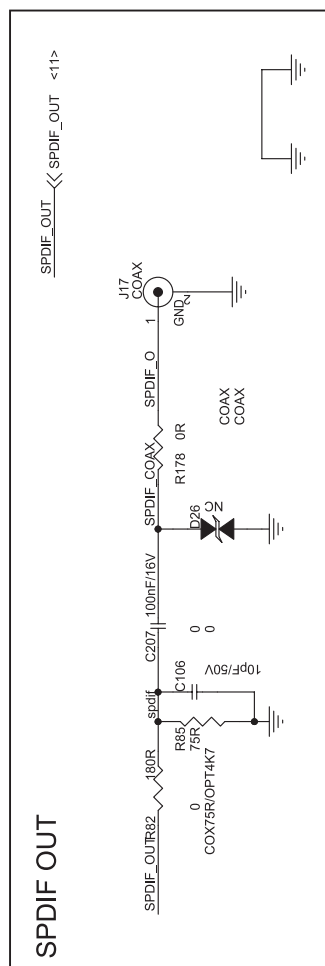
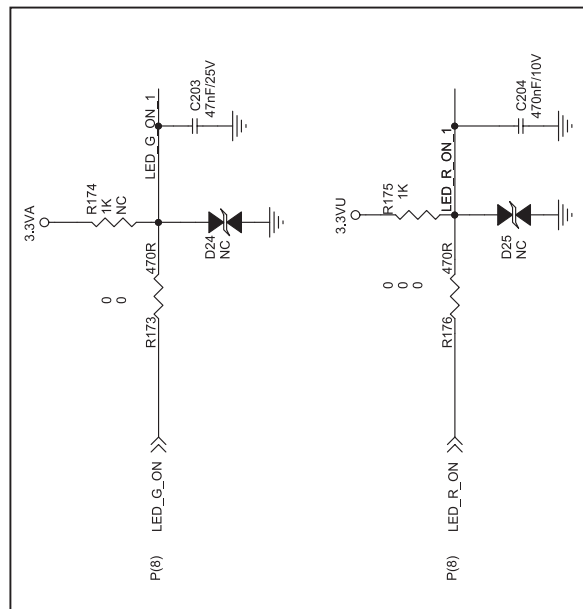
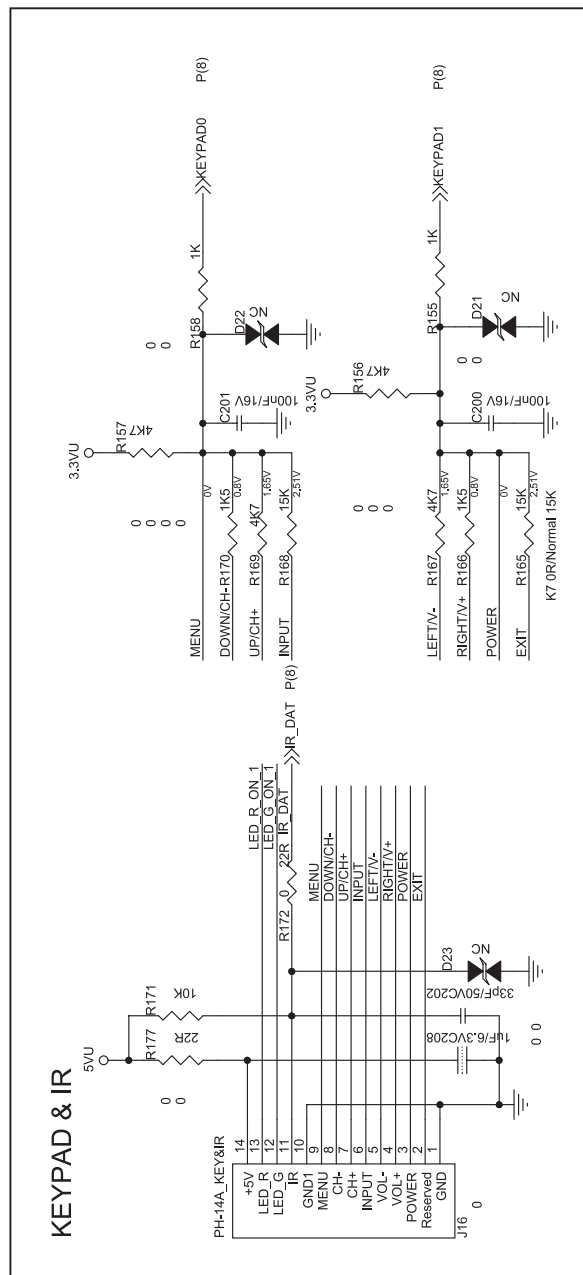


NOTE: CVBSO default is 1Vpp output & no 150R

Scart Function switch







Интерфейс CI, интерфейс Keypad & IR. Выход SPDIF. Память SPI Flash U10

№3 «Ремонт & Сервис» март 2021

IX

В ПАПКУ РЕМОНТНИКА

<5>	RXP0_B	RXP0_B
<5>	RXP1_B	RXP1_B
<5>	RXP1_B	RXP1_B
<5>	RXP2_B	RXP2_B
<5>	RXP2_B	RXP2_B

<15>	LN8_13/18V	DVD_ONOFF
<15>	DVD_ONOFF	DVD_ONOFF
<15>	DVD_IR	DVD_IR
<15>	DVD_STB	DVD_STB
<15>	3.3V4_O	3.3V4_O

29	RMIRXD0/SPDIF_IN	RMIRXD0/SPDIF_IN
29	DVD_ONOFF	DVD_ONOFF
30	RMIRXD0/DVD_IR	RMIRXD0/DVD_IR
31	RMIRXD0/DVD_STB	RMIRXD0/DVD_STB
32	OVDDP3_31	OVDDP3_31
33	VSSIF5_DDR_33	VSSIF5_DDR_33
34	MD01P0_34	MD01P0_34
35	KEY0	KEY0
37	KEY1	KEY1
38	OVDD3P3_AUX	OVDD3P3_AUX
39	OSCI	OSCI
40	PowerON	PowerON
41	PowerSW	PowerSW
42	BL_ON	BL_ON
43	BL_AU	BL_AU
44	IR	IR
45	SPL_DO	SPL_DO
46	SPL_COINTEST	SPL_COINTEST
47	SPL_DI	SPL_DI
48	AUX_CS0	AUX_CS0
49	AUX_DCM_S0A1	AUX_DCM_S0A1
50	LRSTVCS/SPDIF_IN	LRSTVCS/SPDIF_IN
52	SPK_MUTE	SPK_MUTE
53	PMW0	PMW0
54	SPDIF/ENDEBUD	SPDIF/ENDEBUD
55	AUXOK	AUXOK
56	MD01P0_56	MD01P0_56
57	VBG_AU	VBG_AU
58	AVSS3P3_AU	AVSS3P3_AU
59	LINEIN_L3	LINEIN_L3
60	LINEIN_L3	LINEIN_L3
61	LINEIN_L3	LINEIN_L3
62	LINEIN_L2	LINEIN_L2
63	LINEIN_L2	LINEIN_L2
64	LINEIN_L1	LINEIN_L1

S2T512

VGA & UART		
<6>	HS_VGA	HS_VGA
<6>	VS_VGA	VS_VGA
<6>	B_IN	B_IN
<6>	R_IN	R_IN
<6>	TXD0VGA_SCL	TXD0VGA_SCL
<6>	TXD0VGA_SDA	TXD0VGA_SDA

<6>	Y1_IN	Y1_IN
<6>	SOY1_IN	SOY1_IN
<6>	PB1_IN	PB1_IN
<6>	PR1_IN	PR1_IN
<7>	Y2_IN	Y2_IN
<7>	SOY2_IN	SOY2_IN
<7>	PB2_IN	PB2_IN
<7>	PR2_IN	PR2_IN

<8>	CVBS0_IN	CVBS0_IN
<7>	CVBS1_IN	CVBS1_IN
<8>	CVBS0	CVBS0

CVBS Input		
0:Scart	CVBS0_IN	CVBS0_IN
1:AV	CVBS1_IN	CVBS1_IN

<8>	CVBS0_IN	CVBS0_IN
<7>	CVBS1_IN	CVBS1_IN
<8>	CVBS0	CVBS0

<8>	CVBS0_IN	CVBS0_IN
<7>	CVBS1_IN	CVBS1_IN
<8>	CVBS0	CVBS0

Scart function		
<8>	SCART_FS	SCART_FS
<8>	SCART_FB	SCART_FB

<8>	SCART_FS	SCART_FS
<8>	SCART_FB	SCART_FB

<8>	SCART_FS	SCART_FS
<8>	SCART_FB	SCART_FB

Audio Input		
0:Scart	AIN0L	AIN0L
1:VGA(PC)	AIN0R	AIN0R
2:YPbPr/AV	AIN1L	AIN1L
	AIN1R	AIN1R
	AIN2L	AIN2L
	AIN2R	AIN2R

<8>	AIN0L	AIN0L
<8>	AIN0R	AIN0R
<8>	AIN1L	AIN1L
<8>	AIN1R	AIN1R
<7>	AIN2L	AIN2L
<7>	AIN2R	AIN2R

<8>	AIN0L	AIN0L
<8>	AIN0R	AIN0R
<8>	AIN1L	AIN1L
<8>	AIN1R	AIN1R
<7>	AIN2L	AIN2L
<7>	AIN2R	AIN2R

SPI Flash		
<10>	SD1_FLASH	SD1_FLASH
<10>	SD2_FLASH	SD2_FLASH
<10>	SD3_FLASH	SD3_FLASH
<10>	SC1_FLASH	SC1_FLASH

<10>	SD1_FLASH	SD1_FLASH
<10>	SD2_FLASH	SD2_FLASH
<10>	SD3_FLASH	SD3_FLASH
<10>	SC1_FLASH	SC1_FLASH

<10>	SD1_FLASH	SD1_FLASH
<10>	SD2_FLASH	SD2_FLASH
<10>	SD3_FLASH	SD3_FLASH
<10>	SC1_FLASH	SC1_FLASH

KEYPAD Input		
<10>	KEYPAD0	KEYPAD0
<10>	KEYPAD1	KEYPAD1

<10>	KEYPAD0	KEYPAD0
<10>	KEYPAD1	KEYPAD1

<10>	KEYPAD0	KEYPAD0
<10>	KEYPAD1	KEYPAD1

USB Input		
<6>	USB0_DM	USB0_DM
<6>	USB0_DP	USB0_DP
<6>	USB1_DM	USB1_DM
<6>	USB1_DP	USB1_DP

<6>	USB0_DM	USB0_DM
<6>	USB0_DP	USB0_DP
<6>	USB1_DM	USB1_DM
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<6>	USB1_DP	USB1_DP

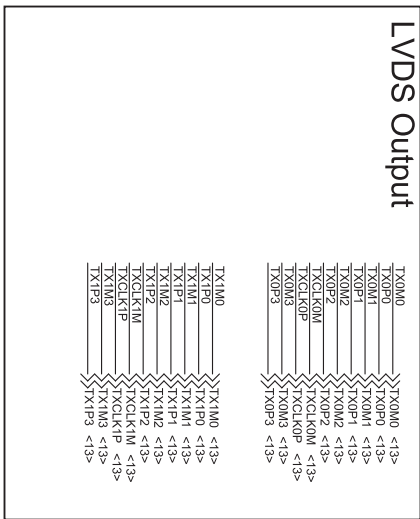
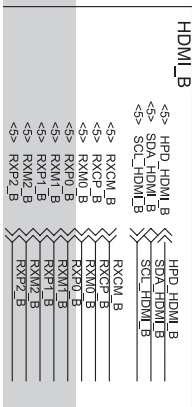
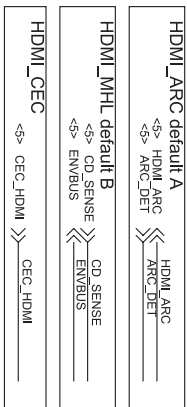
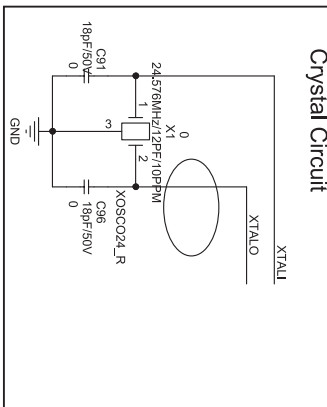
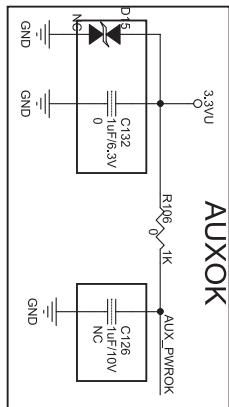
RMII & TUNER Reset		
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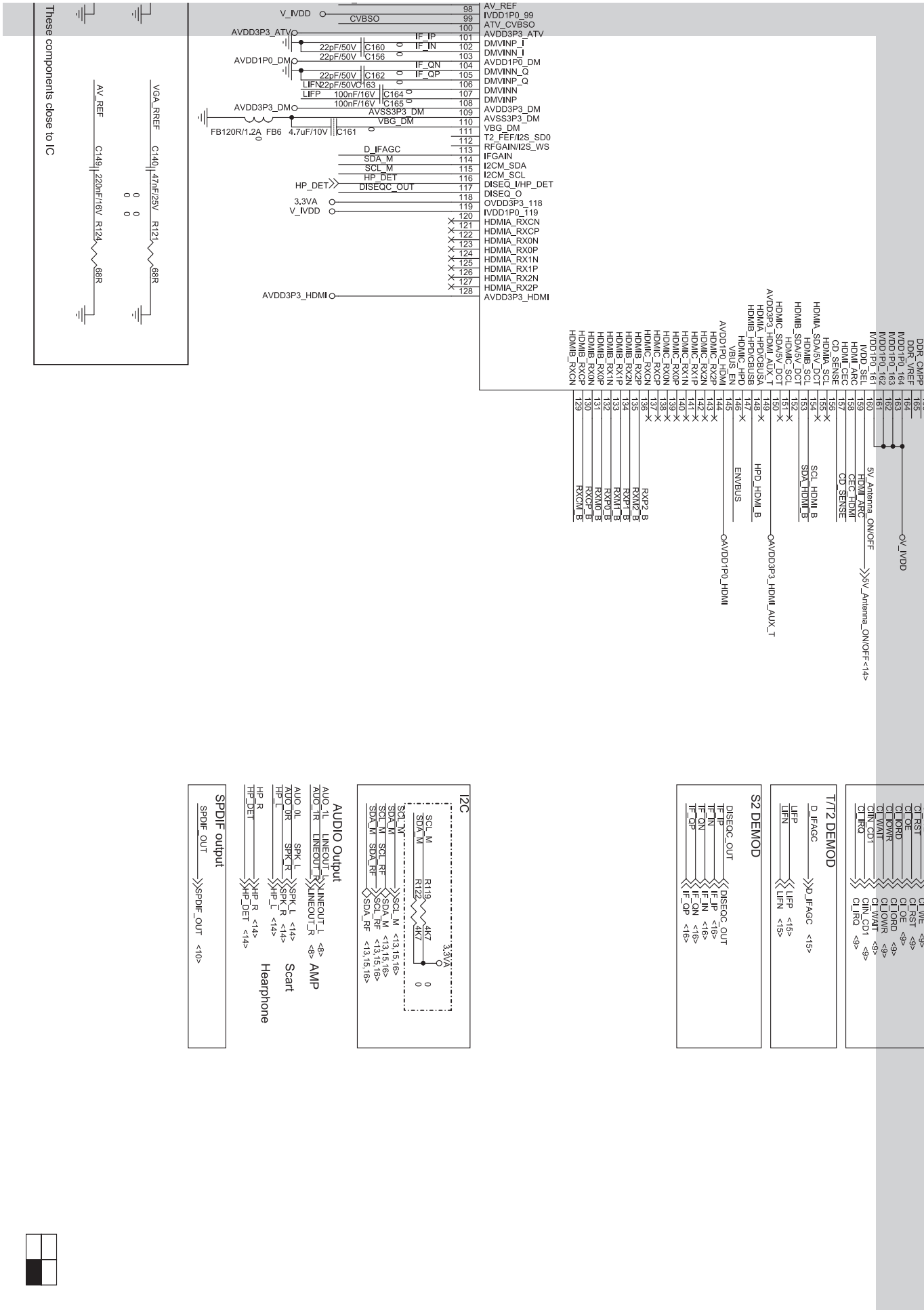
RMII & TUNER Reset		
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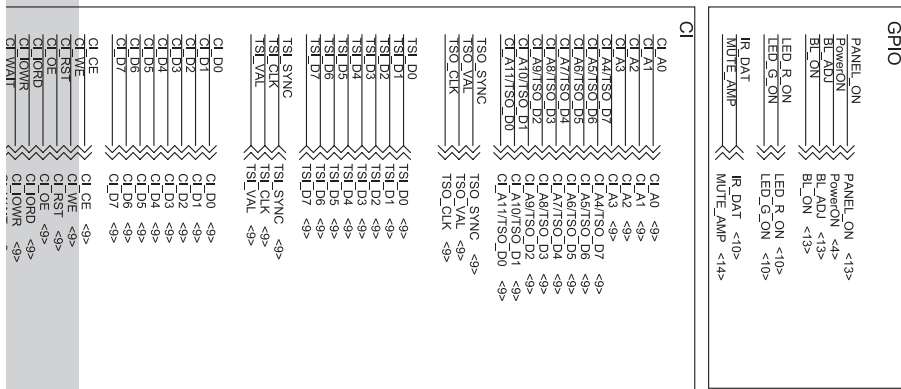
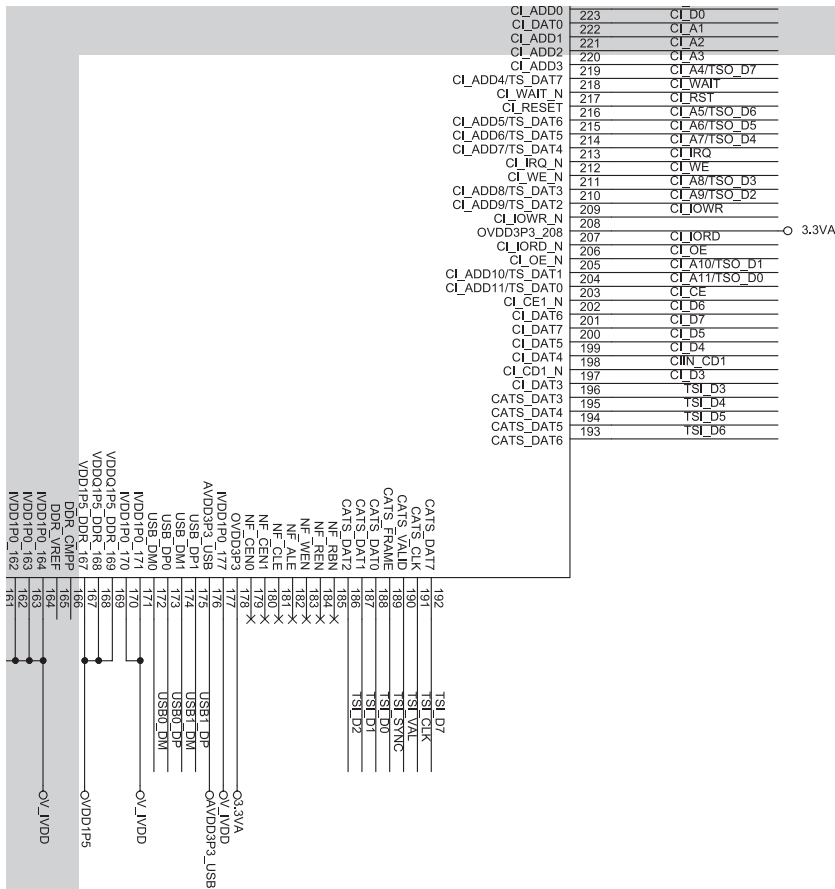
RMII & TUNER Reset		
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*Short these ground planes on PCB



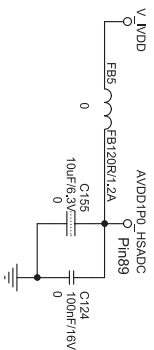




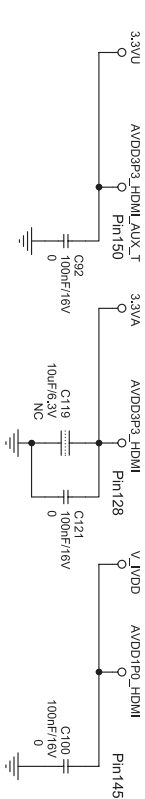


ADC POWER/GND (1.0V/3.3V)

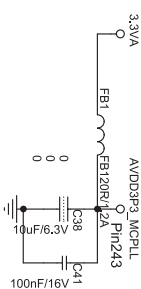
FB for ADC need Rdc<0.015, Z=120/100MHz ldc>3A
Default part MHC3216S121W



HDMI POWER/GND (1.0V/3.3V)

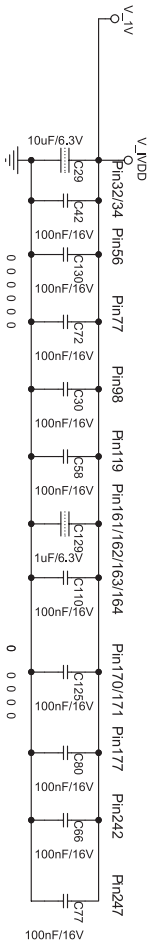


PLL POWER/GND (3.3V)

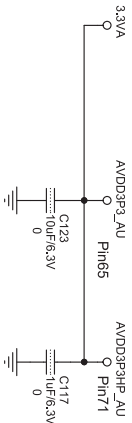


LVDD POWER (1.0V)

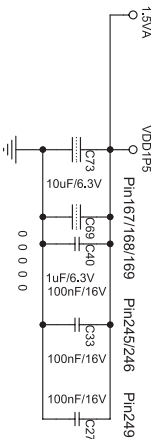
FB for CVDD need Rdc<0.015, Z=120/100MHz ldc>3A
Default part MHC3216S121W



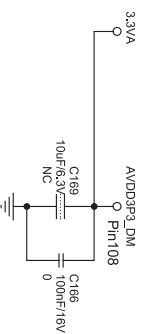
AUDIO POWER/GND (3.3V)



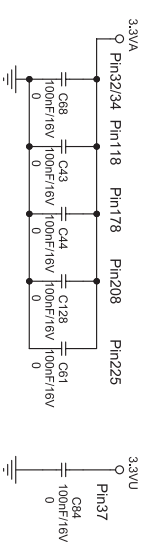
DDR POWER (1.5V)



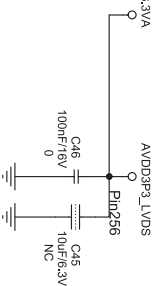
DEMOP POWER/GND (3.3V/1.0V)



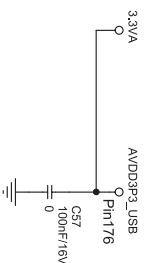
3.3V



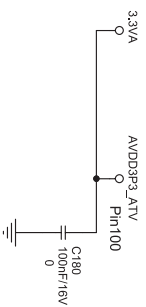
LVDS POWER/GND (3.3V)



USB POWER/GND (3.3V)



ATV POWER/GND (3.3V)

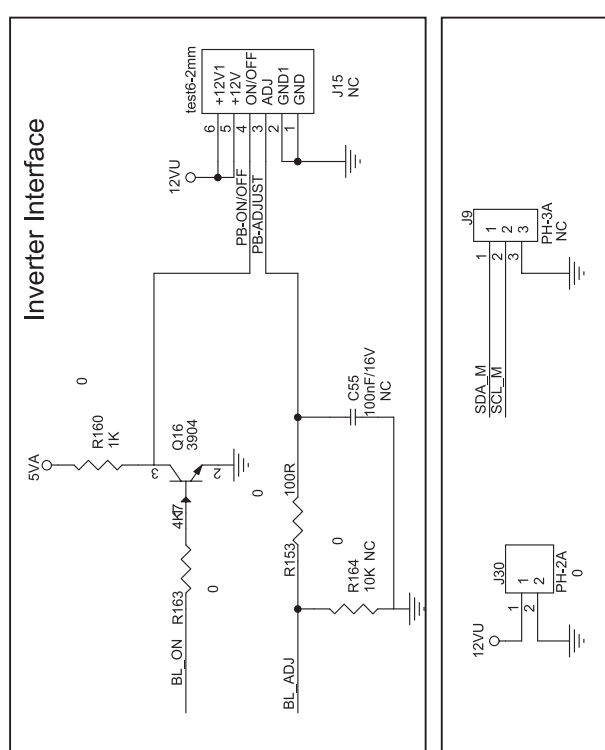
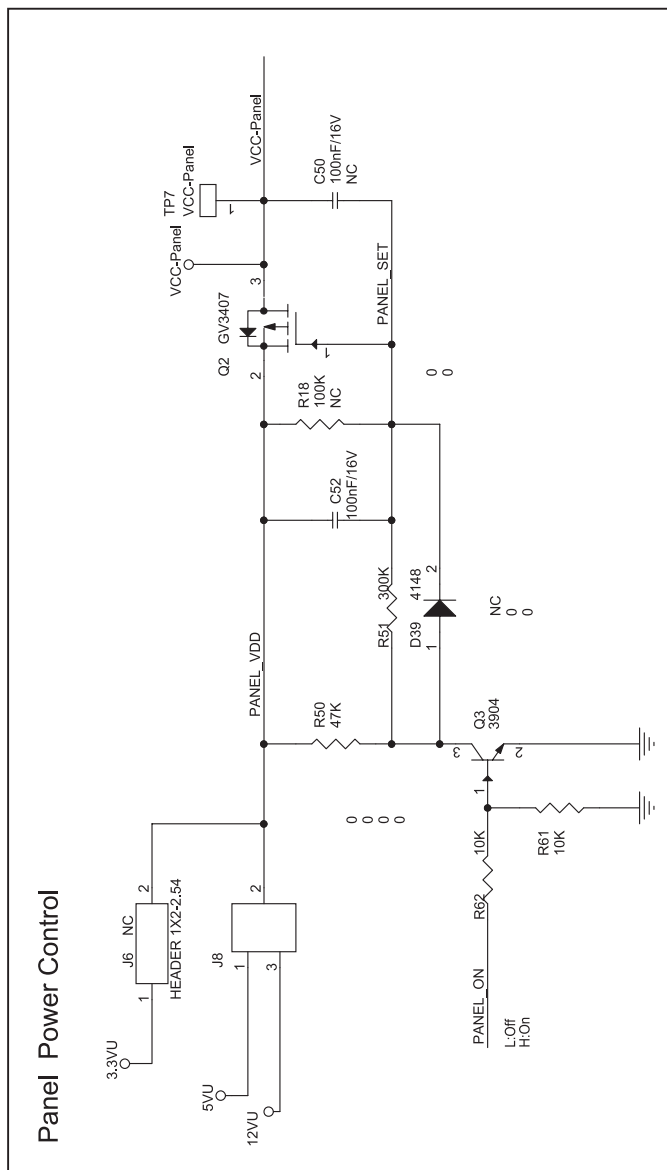
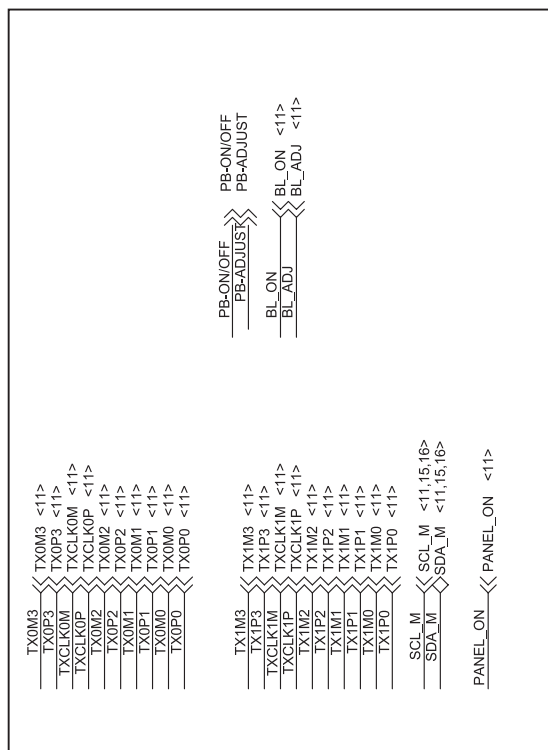
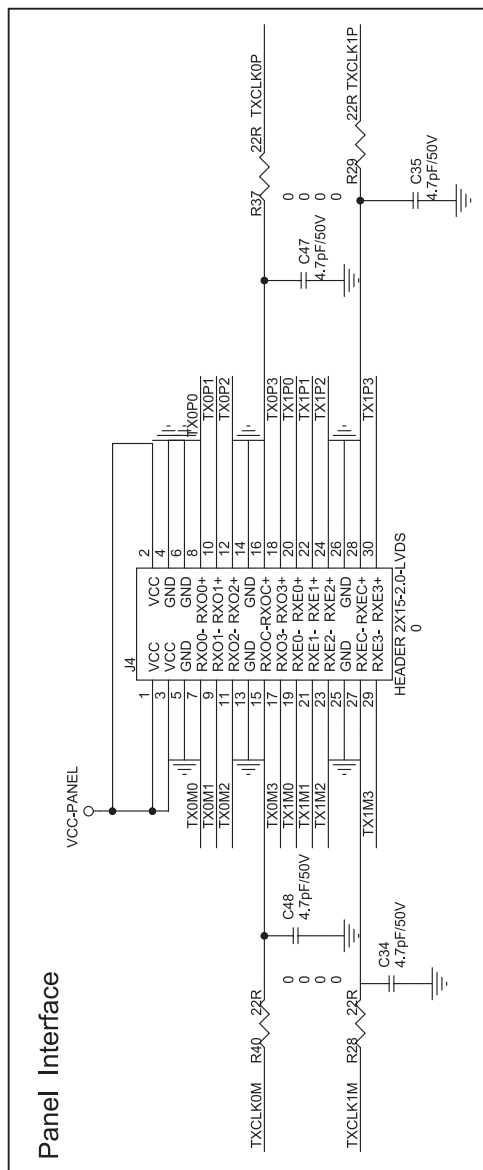


ALL FB except ADC, CVDD : need Rdc<0.2, Z=300/100MHz, ldc>500mA
Default part : MCB2012S301H



*Short these ground planes on PCB

УКЛАДКА КУПИ В



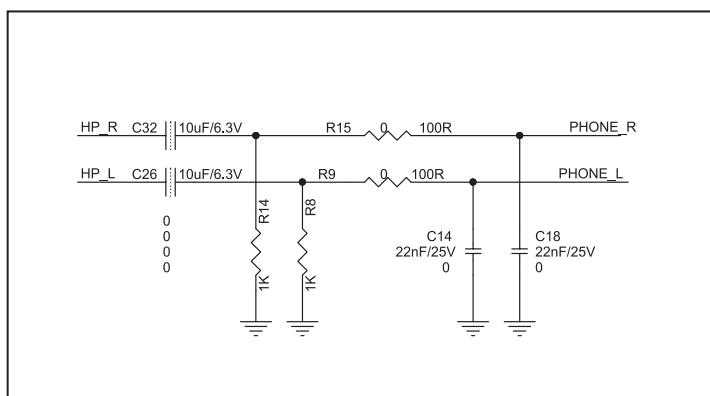
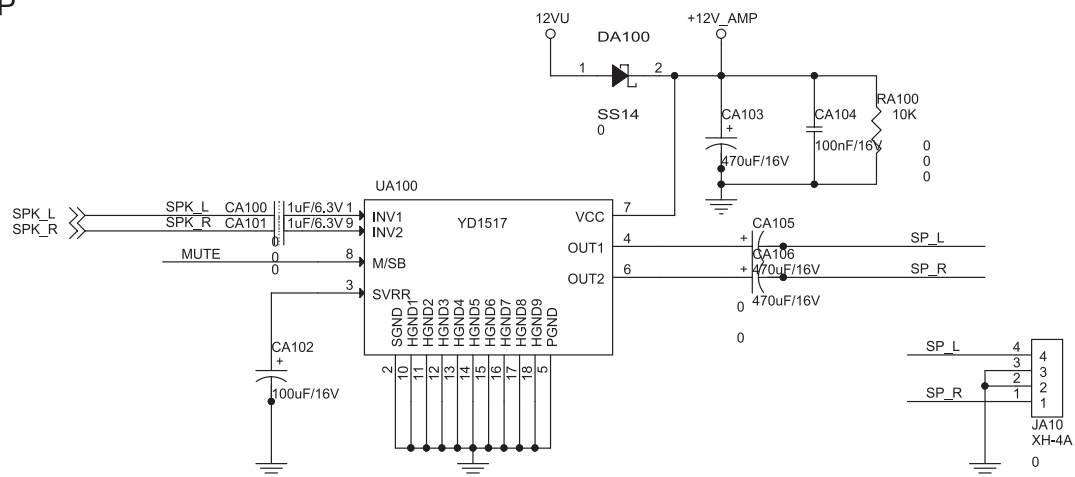
Цепи питания процессора U7

№3 «Ремонт & Сервис» март 2021

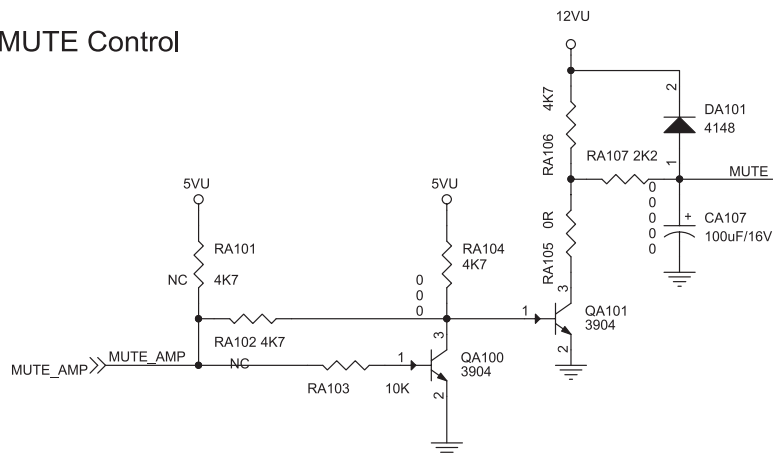
XV

В ПАПКУ РЕМОНТНИКА

AMP



MUTE Control



PHONE OUT

