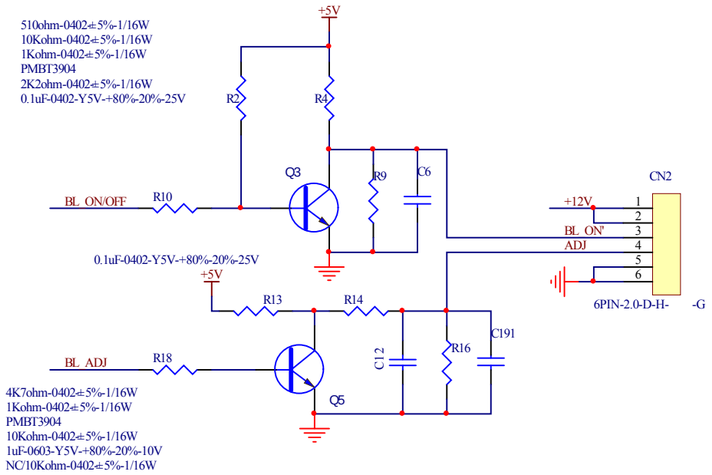
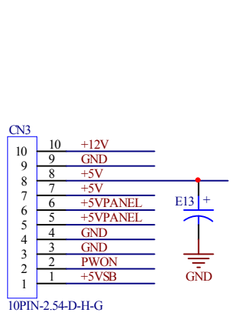
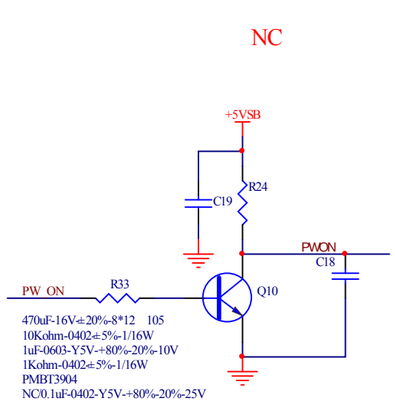
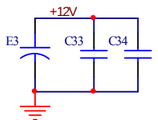
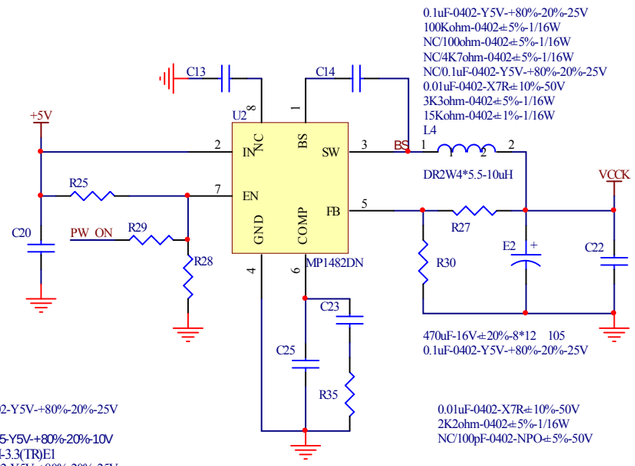

510ohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W
1Kohm-0402±5%-1/16W
PMBT3904
2K2ohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
+5V
R2
R4
Q3
R9
C6
BL_ON/OFF
R10
0.1uF-0402-Y5V-+80%-20%-25V
+5V
R13
R14
C191
BL_ADJ
R18
C12
R16
Q5
4K7ohm-0402±5%-1/16W
1Kohm-0402±5%-1/16W
PMBT3904
10Kohm-0402±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
NC/10Kohm-0402±5%-1/16W
CN2
+12V
BL_ON/ADJ
6PIN-2.0-D-H-
-G

NC

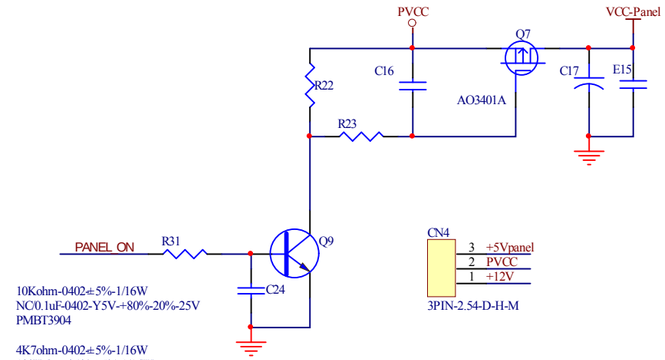

CN3
10 +12V
9 GND
8 +5V
7 +5V
6 +5VPANEL
5 +5VPANEL
4 GND
3 GND
2 PWON
1 +5VSB
E13
GND
10PIN-2.54-D-H-G

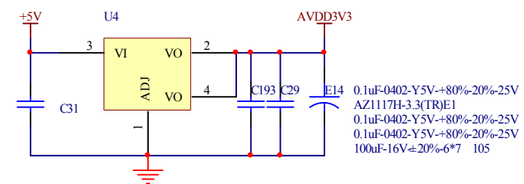

+5VSB
C19
R24
PWON
C18
PW_ON
R33
Q10
470uF-16V±20%-8*12 105
10Kohm-0402±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
1Kohm-0402±5%-1/16W
PMBT3904
NC/0.1uF-0402-Y5V-+80%-20%-25V

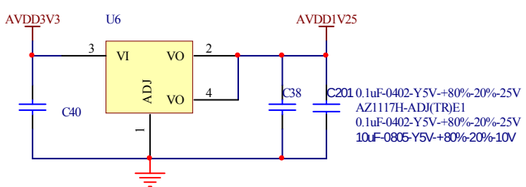

+12V
E3
C33
C34
100uF-25V±20%-6*7.0-105
NC/0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V


0.1uF-0402-Y5V-+80%-20%-25V
100Kohm-0402±5%-1/16W
NC/100ohm-0402±5%-1/16W
NC/4K7ohm-0402±5%-1/16W
NC/0.1uF-0402-Y5V-+80%-20%-25V
0.01uF-0402-X7R±10%-50V
3K3ohm-0402±5%-1/16W
15Kohm-0402±1%-1/16W
L4
C13
C14
+5V
U2
IN
NC
BS
SW
EN
GND
COMP
FB
MP1482DN
R25
C20
PW_ON
R29
R28
DR2W4*5.5-10uH
VCCK
R27
R30
E2
C22
C23
C25
R35
470uF-16V±20%-8*12 105
0.1uF-0402-Y5V-+80%-20%-25V
0.01uF-0402-X7R±10%-50V
2K2ohm-0402±5%-1/16W
NC/100pF-0402-NPO±5%-50V
0.1uF-0402-Y5V-+80%-20%-25V
10uF-0805-Y5V-+80%-20%-10V
AZ1117H-3.3(TR)E1
0.1uF-0402-Y5V-+80%-20%-25V
10uF-0805-Y5V-+80%-20%-10V
+5VSB
U3
STB3V3
VI
VO
ADJ
C26
C15
C27
C28

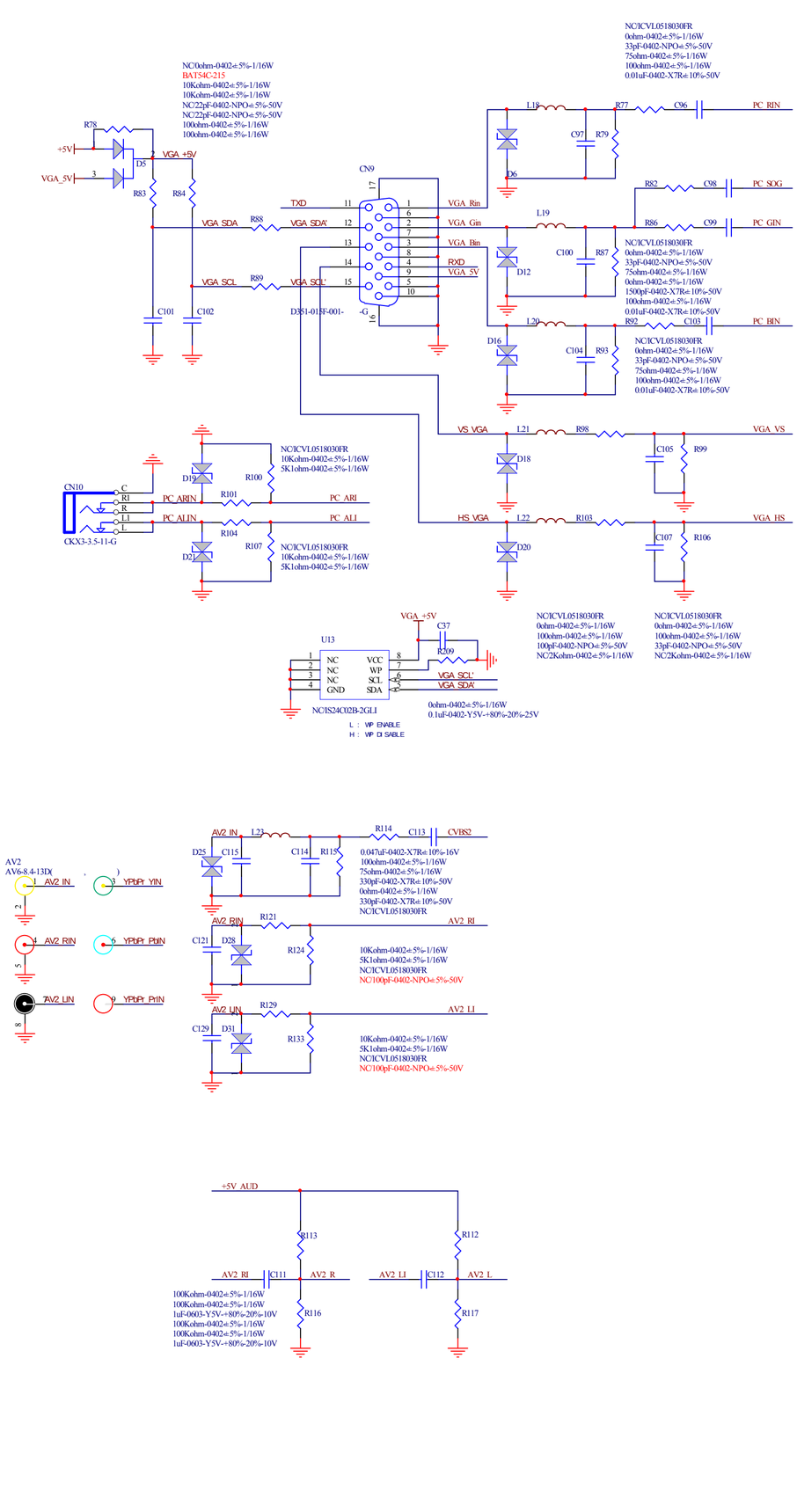
+5V
U5
SDR_V
VI
VO
ADJ
C35
R38
C175
C200
R39
0.1uF-0402-Y5V-+80%-20%-25V
AZ1117H-ADJ(TR)E1
100ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
10uF-0805-Y5V-+80%-20%-10V
10uF-0805-Y5V-+80%-20%-10V

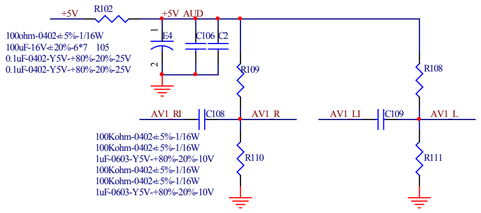

PVCC
VCC-Panel
Q7
AO3401A
C16
C17
E15
R22
R23
PANEL_ON
R31
Q9
C24
CN4
3 +5Vpanel
2 PVCC
1 +12V
3PIN-2.54-D-H-M
10Kohm-0402±5%-1/16W
NC/0.1uF-0402-Y5V-+80%-20%-25V
PMBT3904
4K7ohm-0402±5%-1/16W
100Kohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
100uF-25V±20%-6*7.0-105
0.1uF-0402-Y5V-+80%-20%-25V

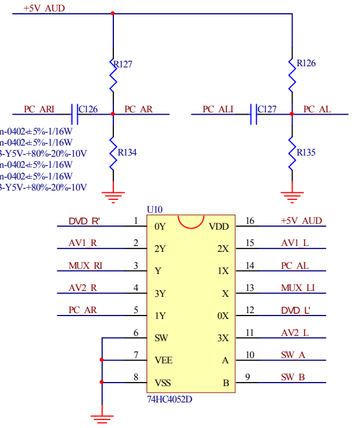

+5V
U4
AVDD3V3
VI
VO
ADJ
C31
C193
C29
E14
0.1uF-0402-Y5V-+80%-20%-25V
AZ1117H-3.3(TR)E1
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
100uF-16V±20%-6*7 105

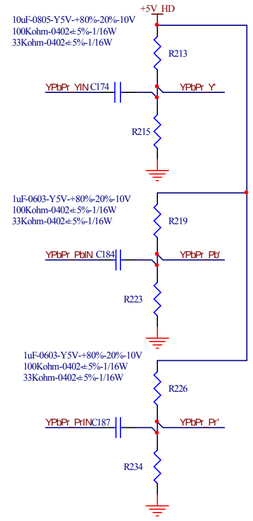

AVDD3V3
U6
AVDD1V25
VI
VO
ADJ
C40
C38
C201
0.1uF-0402-Y5V-+80%-20%-25V
AZ1117H-ADJ(TR)E1
0.1uF-0402-Y5V-+80%-20%-25V
10uF-0805-Y5V-+80%-20%-10V

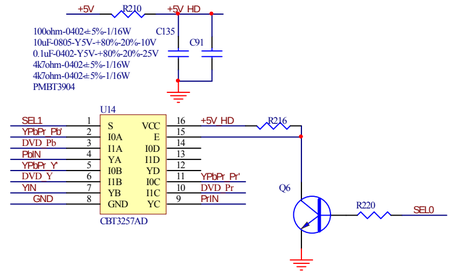
OXTALI
C41
Y1
OXTALO
R42
C43
33ohm-0402±5%-1/16W
27.000MHz~20PPM~+10PPM-20PF-HC-49S
22pF-0402-NPO±5%-50V
22pF-0402-NPO±5%-50V
U8
C79
C84
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
R7
AVDD3V3
4K7ohm-0402±5%-1/16W
VCCK
AVDD1V25
ODN
ODP
O1N
O1P
O2N
O2P
OCKN
OCKP
O3N
O3P
AVDD3V3
E0N
E0P
E1N
E1P
E2N
E2P
ECKN
ECKP
E3N
E3P
AVDD1V25_LVDS
VCCK
AOR1
AOL1
AVDD3V3_ADAC0
AOR0
AOL0
DVDD3V3IO
LVDS_CTRL0
AVDD1V25_MEMPLL
0.1uF-0402-Y5V-+80%-20%-25V
NC/10uF-0805-Y5V-+80%-20%-10V
5K1ohm-0402±5%-1/16W
SDR_V 1 SDRV
SDR_V 2 SDRV
VCCK 3 VCCK
SDR_V 4 SDRV
VCCK 5 VCCK
USB_DM 6 USB_DM
USB_DP 7 USB_DP
AVDD3V3 8 AVDD3V3_USB
USB_VRT 9 USB_VRT
HDMI0_RXC- 10 RX_CB
HDMI0_RXC+ 11 RX_C
HDMI0_RX0- 12 RX_0B
HDMI0_RX0+ 13 RX_0
HDMI0_RX1- 14 RX_1B
HDMI0_RX1+ 15 RX_1
HDMI0_RX2- 16 RX_2B
HDMI0_RX2+ 17 RX_2
C67
C66
R45
C59 AVDD3V3_HDMI 18 AVDD3V3_HDMI
AVDD1V25 19 AVDD1V25_HDMI
DVD_IR 20 HDMI_CEC
HDMI_SCL 21 HDMI_SCL
HDMI_SDA 22 HDMI_SDA
PWR5V_IN 23 PWR5V_IN
HDMI_HPD 24 HDMI_HPD
R63
R48
DVD_ON 25 JTRST#
AMP_MUTE 26 JTDO
LED_R 27 JTCK
VGA_SDA 28 VGA_SDA/JTMS
STB3V3 29 STB3V3
VGA_SCL 30 VGA_SCL/JTDI
M_SDA 31 OSDA0
M_SCL 32 OSCL0
100ohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
10Kohm-0402±5%-1/16W
LVDS_PWR_CTRL 96 PANEL_ON
BL_ON/OFF 95 BL_ON/OFF
BL_DIMMING 94 BL_ADJ
U1RX 93 SW_B
U1TX 92 SW_A
S_DI 91 S_D
S_DO 90 S_Q
S_CLK 89 S_CLK
S_CE 88 S_CE
DVDD3V3IO 87 AVDD3V3
BOOST_PWM 86 SEL1
RF_AGCO 85 RF_AGCO
VCCK 84 VCCK
SDRV 83 SDR_V
SDRV 82 SDR_V
AVDD3V3_AADC 81 AVDD3V3
AIN_R 80 AIN_R
VMID_AADC 79 VIMD_AADC
AIN_L 78 AIN_L
AVDD1V25_PLL 77 AVDD1V25
OXTALI 76 OXTALI
OXTALO 75 OXTALO
AVDD3V3_XTAL_STB 74 STB3V3
ADIN3 73 ADIN3
ADIN0 72 SCART_SW
AVDD3V3_DEMOD 71 AVDD3V3_DEMOD
AVSS33_DEMOD 70 GND
AVSS1V25_DEMOD 69 GND
IFN 68 IFN
IFP 67 IFP
AVDD1V25_DEMOD 66 AVDD1V25_DEMOD
AVDD3V3_CVBS 65 AVDD3V3
E-PAD 129 GND
+5V
AVDD3V3
R8
R44
4K7ohm-0402±5%-1/16W
NC/4K7ohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W
0.047uF-0402-X7R±10%-16V
R46
RF_AGC
C50
C47
C52
MUX_RI
C53
MUX_LI
C54
C55
C93
C94
C80
0.1uF-0402-Y5V-+80%-20%-25V
1uF-0603-Y5V-+80%-20%-10V
1uF-0603-Y5V-+80%-20%-10V
0.1uF-0402-Y5V-+80%-20%-25V
NC/10uF-0805-Y5V-+80%-20%-10V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
NC/10uF-0805-Y5V-+80%-20%-10V
0.1uF-0402-Y5V-+80%-20%-25V
OIRI
U0TX
U0RX
OPWRSB
ORESET#
VCCK
STB3V3
AVDD10_LDO
AVDD3V3_VGA_STB
VSYNC
HSYNC
BP
SOG
GP
COM
RP
SOY1
Y1P
COM1
PB1P
PR1P
AVDD1V25_RGB
AVSS1V25_RGB
VDAC_OUT1
AVDD3V3_VDAC
VDAC_FS
VCCK
SC
SY
CVBS2
CVBSN
CVBS1
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
C95
C60
C61
C62
C63
R59
R60
R58
R61
10uF-0805-Y5V-+80%-20%-10V
0.1uF-0402-Y5V-+80%-20%-25V
0.01uF-0402-X7R±10%-50V
100ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
0.01uF-0402-X7R±10%-50V
0.1uF-0402-Y5V-+80%-20%-25V
560ohm-0402±1%-1/16W
1uF-0603-Y5V-+80%-20%-10V
0ohm-0402±5%-1/16W
CN5
VCC-Panel 1 2 VCC-Panel
VCC-Panel 3 4 GND
GND 5 6 GND
O0N 7 8 O0P
O1N 9 10 O1P
O2N 11 12 O2P
GND 13 14 GND
OCKN 15 16 OCKP
O3N 17 18 O3P
E0N 19 20 E0P
E1N 21 22 E1P
E2N 23 24 E2P
GND 25 26 GND
ECKN 27 28 ECKP
E3N 29 30 E3P
2*15PIN-2.0-D-H-M
PW_ON
PANEL_ON
BL_ADJ
R51
R52
R53
4K7ohm-0402±5%-1/16W
4K7ohm-0402±5%-1/16W
4K7ohm-0402±5%-1/16W
AVDD3V3
R32
R41
U7
S_CE 1 CE# VDD 8
S_Q 2 SO HOLD# 7
3 WP# SCK 6 S_CLK
GND 4 VSS SI 5 S_D
C46
W25Q16BVSSIG
0ohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
10Kohm-0402±5%-1/16W
STB3V3
Q11
R34
ORESET#
C48
R47
C21
SGM809-SXN3
100Kohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
NC/0.1uF-0402-Y5V-+80%-20%-25V
1uF-0603-Y5V-+80%-20%-10V
U9
1 A0 VCC 8
2 A1 PAGE 7
3 A2 SCL 6 M_SCL
4 GND SDA 5 M_SDA
C57
R49
R50
IS24C32A-2GLI
0.1uF-0402-Y5V-+80%-20%-25V
4K7ohm-0402±5%-1/16W
4K7ohm-0402±5%-1/16W
AVDD3V3
AVDD3V3_ADAC0
R40
100ohm-0402±5%-1/16W
C45
0.1uF-0402-Y5V-+80%-20%-25V
47uF-16V±20%-4*7 105
STB3V3
CN6
1 STB3V3
2 RXD R56 U0RX
3 TXD R57 U0TX
4 GND
R54
R55
4PIN-2.0-D-H- -G
4K7ohm-0402±5%-1/16W
4K7ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
AVDD3V3
AVDD3V3_HDMI
MGGB1005M301HT-LF
L10
0.1uF-0402-Y5V-+80%-20%-25V
C58
AVDD1V25
AVDD1V25_DEMOD
FB2
0ohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
C65
VCCK
C69 C70 C71 C72 C73 C74 C75 C76
10uF-0805-Y5V-+80%-20%-10V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
AVDD3V3
AVDD3V3_DEMOD
FB1
MGGB1005M301HT-LF
C64
0.1uF-0402-Y5V-+80%-20%-25V
C68
0.1uF-0402-Y5V-+80%-20%-25V
510ohm-0402±5%-1/16W
NC/22pF-0402-NPO±5%-50V
0ohm-0402±5%-1/16W
NC/4K7ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
47kohm-0402±5%-1/16W
CN7
1 5V_IR
2 R261 LED_R R62 +5VSB
3 LED_G R66
4 IR OIRI
5 GND C81 R65 STB3V3
6 K0 R67 R68
7 K1 R69
8 K2 R71
9 K3 R72
10 K4 R73
11 K5 R74
12 K6 R75 ADIN3
13 K7 R76
14
14PIN-2.0-D-H-G
3K3ohm-0402±5%-1/16W
6Kohm-0402±5%-1/16W
12Kohm-0402±5%-1/16W
18Kohm-0402±5%-1/16W
22Kohm-0402±5%-1/16W
33Kohm-0402±5%-1/16W
75ohm-0402±5%-1/16W
75ohm-0402±5%-1/16W
D3
C82
NC/ICVL0518030FR
0.01uF-0402-X7R±10%-50V
+5VSB
R260
STB3V3
R64
LED_R
4K7ohm-0402±5%-1/16W
4K7ohm-0402±5%-1/16W
1Kohm-0402±5%-1/16W
R179
LED_G
Q8
PMBT3904
AVDD3V3
C85
C86
SDR_V
C87
C88
C90
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
STB3V3
C77
C78
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V

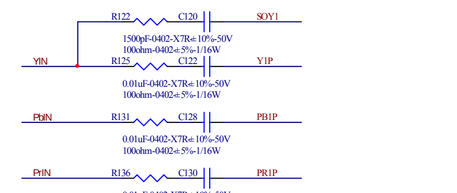

NC/0ohm-0402-±5%-1/16W
BAT54C-215
10Kohm-0402-±5%-1/16W
10Kohm-0402-±5%-1/16W
NC/22pF-0402-NPO-±5%-50V
NC/22pF-0402-NPO-±5%-50V
100ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
R78
+5V
VGA_5V
D5
VGA_+5V
R83
R84
C101
C102
VGA_SDA
VGA_SCL
R88
R89
CN9
TXD
VGA_SDA'
VGA_SCL'
D351-015F-001-
-G
VGA_Rin
VGA_Gin
VGA_Bin
RXD
VGA_5V
L18
R77
C96
PC_RIN
C97
R79
D6
R82
C98
PC_SOG
L19
R86
C99
PC_GIN
C100
R87
D12
NC/ICVL0518030FR
0ohm-0402-±5%-1/16W
33pF-0402-NPO-±5%-50V
75ohm-0402-±5%-1/16W
0ohm-0402-±5%-1/16W
150pF-0402-X7R-±10%-50V
100ohm-0402-±5%-1/16W
0.01uF-0402-X7R-±10%-50V
L20
R92
C103
PC_BIN
D16
C104
R93
NC/ICVL0518030FR
0ohm-0402-±5%-1/16W
33pF-0402-NPO-±5%-50V
75ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
0.01uF-0402-X7R-±10%-50V
VS_VGA
L21
R98
VGA_VS
C105
R99
D18
HS_VGA
L22
R103
VGA_HS
C107
R106
D20
D19
R100
D21
R107
R104
R101
CN10
C
RI
R
LI
L
CKX3-3.5-11-G
PC_ARIN
PC_ALIN
PC_ARI
PC_ALI
NC/ICVL0518030FR
10Kohm-0402-±5%-1/16W
5Kohm-0402-±5%-1/16W
NC/ICVL0518030FR
10Kohm-0402-±5%-1/16W
5Kohm-0402-±5%-1/16W
U13
NC
NC
NC
GND
VCC
WP
SCL
SDA
NC/IS24C02B-2GLI
L : WP ENABLE
H : WP DISABLE
VGA_+5V
C37
R209
VGA_SCL'
VGA_SDA'
0ohm-0402-±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
NC/ICVL0518030FR
0ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
100pF-0402-NPO-±5%-50V
NC2Kohm-0402-±5%-1/16W
NC/ICVL0518030FR
0ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
33pF-0402-NPO-±5%-50V
NC2Kohm-0402-±5%-1/16W

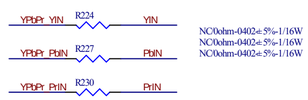

+5V
R102
100ohm-0402-±5%-1/16W
100uF-16V-±20%-6*7 105
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
+5V_AUD
E4
C106
C2
R109
R108
AV1_RI
C108
AV1_R
AV1_LI
C109
AV1_L
R110
R111
100Kohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
100Kohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V


+5V_AUD
R127
R126
PC_ARI
C126
PC_AR
PC_ALI
C127
PC_AL
R134
R135
100Kohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
100Kohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
U10
DVD_R'
AV1_R
MUX_RI
AV2_R
PC_AR
0Y
2Y
Y
3Y
1Y
SW
VEE
VSS
VDD
2X
1X
X
3X
0X
A
B
+5V_AUD
AV1_L
PC_AL
MUX_LI
DVD_L'
AV2_L
SW_A
SW_B
74HC4052D

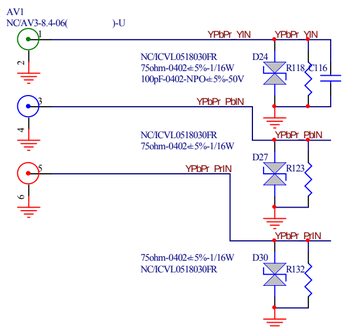

+5V_HD
10uF-0805-Y5V-+80%-20%-10V
100Kohm-0402-±5%-1/16W
33Kohm-0402-±5%-1/16W
R213
YPbPr_YIN
C174
YPbPr_Y'
R215
1uF-0603-Y5V-+80%-20%-10V
100Kohm-0402-±5%-1/16W
33Kohm-0402-±5%-1/16W
R219
YPbPr_PbIN
C184
YPbPr_Pb'
R223
1uF-0603-Y5V-+80%-20%-10V
100Kohm-0402-±5%-1/16W
33Kohm-0402-±5%-1/16W
R226
YPbPr_PrIN
C187
YPbPr_Pr'
R234

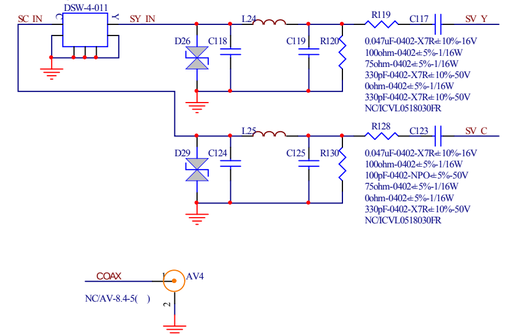

+5V
R210
+5V_HD
100ohm-0402-±5%-1/16W
10uF-0805-Y5V-+80%-20%-10V
0.1uF-0402-Y5V-+80%-20%-25V
4k7ohm-0402-±5%-1/16W
4k7ohm-0402-±5%-1/16W
PMBT3904
C135
C91
U14
SEL1
YPbPr_Pb'
DVD_Pb
PbIN
YPbPr_Y'
DVD_Y
YIN
GND
S
I0A
I1A
YA
I0B
I1B
YB
GND
VCC
E
I0D
I1D
YD
I0C
I1C
YC
CBT3257AD
+5V_HD
R216
YPbPr_Pr'
DVD_Pr
PrIN
Q6
R220
SEL0


R122
C120
SOY1
1500pF-0402-X7R-±10%-50V
100ohm-0402-±5%-1/16W
YIN
R125
C122
Y1P
0.01uF-0402-X7R-±10%-50V
100ohm-0402-±5%-1/16W
PbIN
R131
C128
PB1P
0.01uF-0402-X7R-±10%-50V
100ohm-0402-±5%-1/16W
PrIN
R136
C130
PR1P
0.01uF-0402-X7R-±10%-50V
100ohm-0402-±5%-1/16W

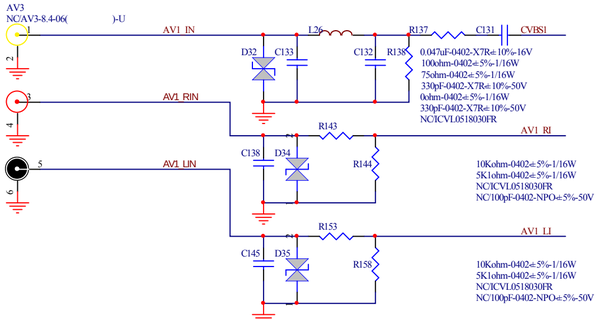

YPbPr_YIN
R224
YIN
YPbPr_PbIN
R227
PbIN
YPbPr_PrIN
R230
PrIN
NC/0ohm-0402-±5%-1/16W
NC/0ohm-0402-±5%-1/16W
NC/0ohm-0402-±5%-1/16W

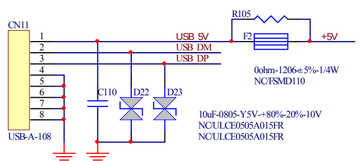
AV2
AV6-8.4-13D(
)
AV2_IN
YPbPr_YIN
AV2_RIN
YPbPr_PbIN
AV2_LIN
YPbPr_PrIN
AV2_IN
L23
R114
C113
CVBS2
D25
C115
C114
R115
0.047uF-0402-X7R-±10%-16V
100ohm-0402-±5%-1/16W
75ohm-0402-±5%-1/16W
330pF-0402-X7R-±10%-50V
0ohm-0402-±5%-1/16W
330pF-0402-X7R-±10%-50V
NC/ICVL0518030FR
AV2_RIN
R121
AV2_RI
C121
D28
R124
10Kohm-0402-±5%-1/16W
5K1ohm-0402-±5%-1/16W
NC/ICVL0518030FR
NC/100pF-0402-NPO-±5%-50V
AV2_LIN
R129
AV2_LI
C129
D31
R133
10Kohm-0402-±5%-1/16W
5K1ohm-0402-±5%-1/16W
NC/ICVL0518030FR
NC/100pF-0402-NPO-±5%-50V

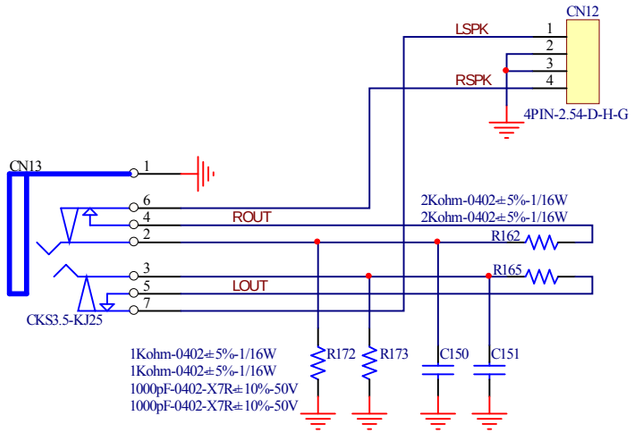

AV1
NC/AV3-8.4-06(
)-U
YPbPr_YIN
YPbPr_YIN
NC/ICVL0518030FR
75ohm-0402-±5%-1/16W
100pF-0402-NPO-±5%-50V
D24
R118
C116
YPbPr_PbIN
YPbPr_PbIN
NC/ICVL0518030FR
75ohm-0402-±5%-1/16W
D27
R123
YPbPr_PrIN
YPbPr_PrIN
75ohm-0402-±5%-1/16W
NC/ICVL0518030FR
D30
R132

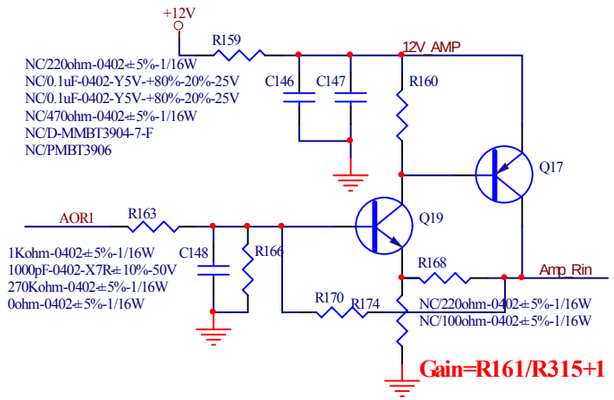

SI
DSW-4-011
SC_IN
SV_IN
L24
R119
C117
SV_Y
D26
C118
C119
R120
0.047uF-0402-X7R-±10%-16V
100ohm-0402-±5%-1/16W
75ohm-0402-±5%-1/16W
330pF-0402-X7R-±10%-50V
0ohm-0402-±5%-1/16W
330pF-0402-X7R-±10%-50V
NC/ICVL0518030FR
L25
R128
C123
SV_C
D29
C124
C125
R130
0.047uF-0402-X7R-±10%-16V
100ohm-0402-±5%-1/16W
100pF-0402-NPO-±5%-50V
75ohm-0402-±5%-1/16W
0ohm-0402-±5%-1/16W
330pF-0402-X7R-±10%-50V
NC/ICVL0518030FR
COAX
NC/AV-8.4-5(
)
AV4

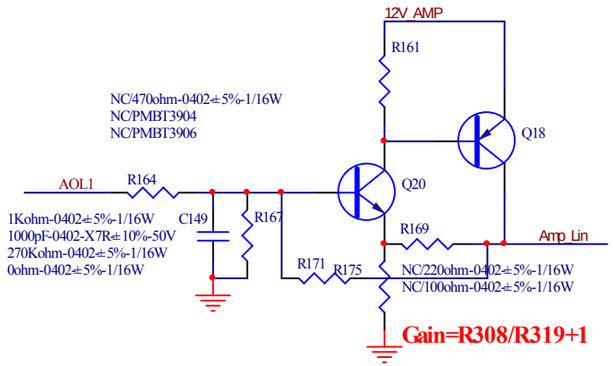
+5V_AUD
R113
R112
AV2_RI
C111
AV2_R
AV2_LI
C112
AV2_L
100Kohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
100Kohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
R116
R117

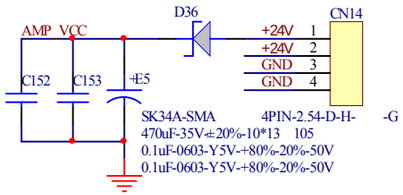

AV3
NC/AV3-8.4-06(
)-U
AV1_IN
L26
R137
C131
CVBS1
D32
C133
C132
R138
0.047uF-0402-X7R-±10%-16V
100ohm-0402-±5%-1/16W
75ohm-0402-±5%-1/16W
330pF-0402-X7R-±10%-50V
0ohm-0402-±5%-1/16W
330pF-0402-X7R-±10%-50V
NC/ICVL0518030FR
AV1_RIN
R143
AV1_RI
C138
D34
R144
10Kohm-0402-±5%-1/16W
5K1ohm-0402-±5%-1/16W
NC/ICVL0518030FR
NC/100pF-0402-NPO-±5%-50V
AV1_LIN
R153
AV1_LI
C145
D35
R158
10Kohm-0402-±5%-1/16W
5K1ohm-0402-±5%-1/16W
NC/ICVL0518030FR
NC/100pF-0402-NPO-±5%-50V

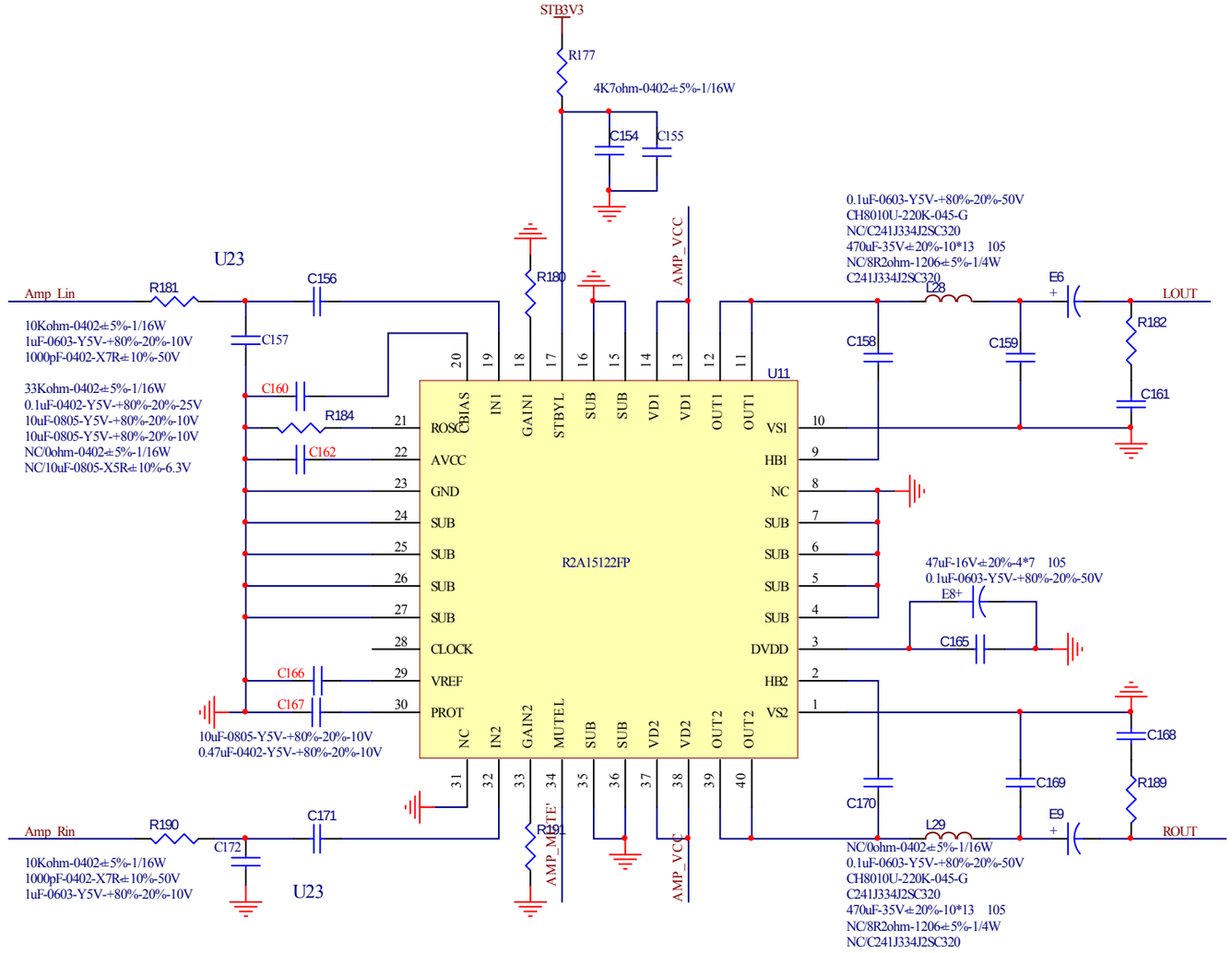

CN11
USB_5V
USB_DM
USB_DP
R105
F2
+5V
0ohm-1206-±5%-1/4W
NC/TSMD110
C110
D22
D23
10uF-0805-Y5V-+80%-20%-10V
NC/ULCE0505A01SFR
NC/ULCE0505A01SFR
USB-A-108

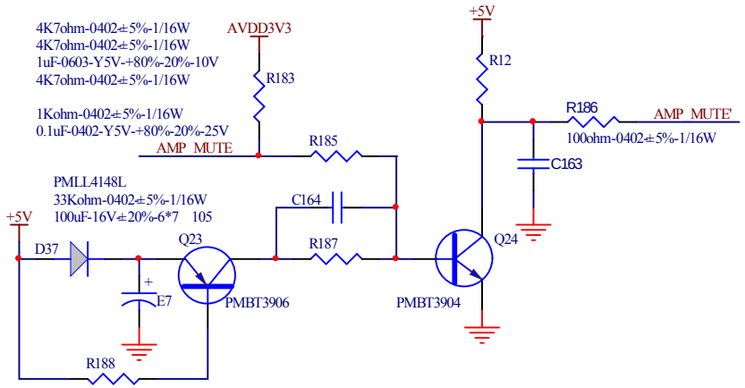

CN12
LSPK
RSPK
4PIN-2.54-D-H-G
CN13
ROUT
LOUT
CKS3.5-KJ25
2Kohm-0402±5%-1/16W
2Kohm-0402±5%-1/16W
R162
R165
1Kohm-0402±5%-1/16W
1Kohm-0402±5%-1/16W
1000pF-0402-X7R±10%-50V
1000pF-0402-X7R±10%-50V
R172
R173
C150
C151

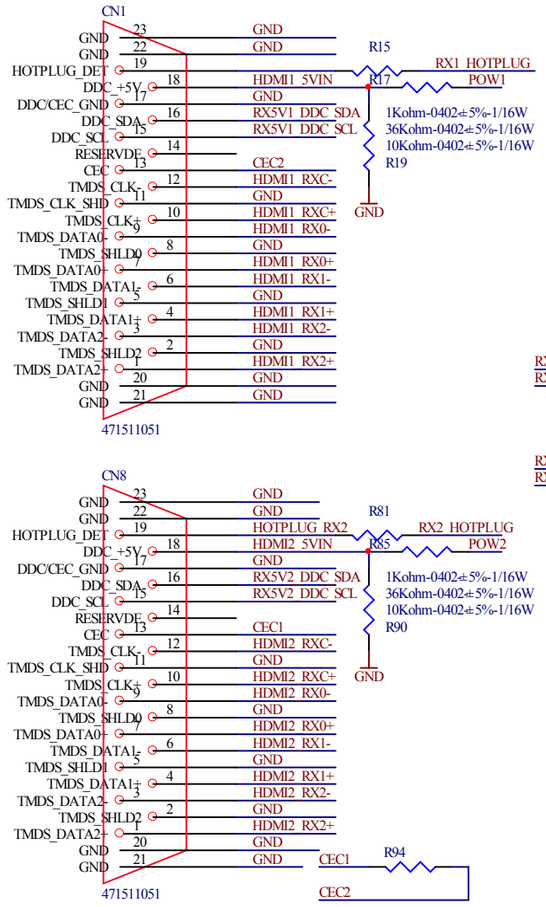

+12V
R159
12V_AMP
NC/220ohm-0402±5%-1/16W
NC/0.1uF-0402-Y5V-+80%-20%-25V
NC/0.1uF-0402-Y5V-+80%-20%-25V
NC/470ohm-0402±5%-1/16W
NC/D-MMBT3904-7-F
NC/PMBT3906
C146
C147
R160
Q17
AOR1
R163
Q19
1Kohm-0402±5%-1/16W
1000pF-0402-X7R±10%-50V
270Kohm-0402±5%-1/16W
0ohm-0402±5%-1/16W
C148
R166
R168
Amp_Rin
R170
R174
NC/220ohm-0402±5%-1/16W
NC/100ohm-0402±5%-1/16W
Gain=R161/R315+1


12V_AMP
R161
NC/470ohm-0402±5%-1/16W
NC/PMBT3904
NC/PMBT3906
Q18
AOL1
R164
Q20
1Kohm-0402±5%-1/16W
1000pF-0402-X7R±10%-50V
270Kohm-0402±5%-1/16W
0ohm-0402±5%-1/16W
C149
R167
R169
Amp_Lin
R171
R175
NC/220ohm-0402±5%-1/16W
NC/100ohm-0402±5%-1/16W
Gain=R308/R319+1

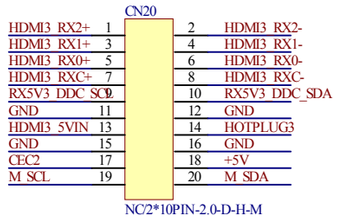

D36
CN14
AMP_VCC
+24V
+24V
GND
GND
C152
C153
+E5
SK34A-SMA
4PIN-2.54-D-H-
-G
470uF-35V±20%-10*13 105
0.1uF-0603-Y5V-+80%-20%-50V
0.1uF-0603-Y5V-+80%-20%-50V

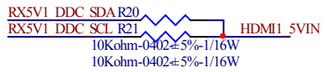

STB3V3
R177
4K7ohm-0402±5%-1/16W
C154
C155
R180
AMP_VCC
U23
Amp_Lin
R181
C156
10Kohm-0402±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
1000pF-0402-X7R±10%-50V
C157
33Kohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
10uF-0805-Y5V-+80%-20%-10V
10uF-0805-Y5V-+80%-20%-10V
NC/0ohm-0402±5%-1/16W
NC/10uF-0805-X5R±10%-6.3V
C160
R184
C162
ROSC
BIAS
AVCC
GND
SUB
CLOCK
VREF
PROT
IN1
GAIN1
STBYL
VD1
OUT1
VS1
HB1
NC
DVDD
HB2
VS2
IN2
GAIN2
MUTEL
VD2
OUT2
R2A15122FP
U11
C166
C167
10uF-0805-Y5V-+80%-20%-10V
0.47uF-0402-Y5V-+80%-20%-10V
0.1uF-0603-Y5V-+80%-20%-50V
CH8010U-220K-045-G
NC/C241J334J2SC320
470uF-35V±20%-10*13 105
NC/8R2ohm-1206±5%-1/4W
C241J334J2SC320
L28
E6
LOUT
C158
C159
R182
C161
47uF-16V±20%-4*7 105
0.1uF-0603-Y5V-+80%-20%-50V
E8+
C165
C168
R189
C169
C170
L29
E9
ROUT
Amp_Rin
R190
C171
C172
10Kohm-0402±5%-1/16W
1000pF-0402-X7R±10%-50V
1uF-0603-Y5V-+80%-20%-10V
U23
R191
AMP_MUTE'
NC/0ohm-0402±5%-1/16W
0.1uF-0603-Y5V-+80%-20%-50V
CH8010U-220K-045-G
C241J334J2SC320
470uF-35V±20%-10*13 105
NC/8R2ohm-1206±5%-1/4W
NC/C241J334J2SC320

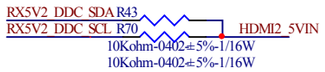

4K7ohm-0402±5%-1/16W
4K7ohm-0402±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
4K7ohm-0402±5%-1/16W
AVDD3V3
R183
1Kohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
AMP_MUTE
R185
+5V
R12
R186
AMP_MUTE'
100ohm-0402±5%-1/16W
C163
PMLL4148L
33Kohm-0402±5%-1/16W
100uF-16V±20%-6*7 105
C164
+5V
D37
Q23
R187
Q24
E7
PMBT3906
PMBT3904
R188

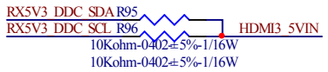

CN1
GND 23
GND 22
HOTPLUG_DET 19
DDC_+5V 18
DDC/CEC_GND 17
DDC_SDA 16
DDC_SCL 15
RESERVDE 14
CEC 13
TMDS_CLK- 12
TMDS_CLK_SHD 11
TMDS_CLK+ 10
TMDS_DATA0- 9
TMDS_SHLD0 8
TMDS_DATA0+ 7
TMDS_DATA1- 6
TMDS_SHLD1 5
TMDS_DATA1+ 4
TMDS_DATA2- 3
TMDS_SHLD2 2
TMDS_DATA2+ 1
GND 20
GND 21
GND
GND
HDMI1_5VIN
RX5V1_DDC_SDA
RX5V1_DDC_SCL
CEC2
HDMI1_RXC-
HDMI1_RXC+
HDMI1_RX0-
HDMI1_RX0+
HDMI1_RX1-
HDMI1_RX1+
HDMI1_RX2-
HDMI1_RX2+
R15
R17
RX1_HOTPLUG
POW1
1Kohm-0402±5%-1/16W
36Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W
R19
GND
471511051

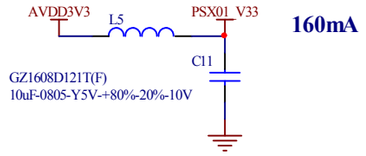
CN8
GND 23
GND 22
HOTPLUG_DET 19
DDC_+5V 18
DDC/CEC_GND 17
DDC_SDA 16
DDC_SCL 15
RESERVDE 14
CEC 13
TMDS_CLK- 12
TMDS_CLK_SHD 11
TMDS_CLK+ 10
TMDS_DATA0- 9
TMDS_SHLD0 8
TMDS_DATA0+ 7
TMDS_DATA1- 6
TMDS_SHLD1 5
TMDS_DATA1+ 4
TMDS_DATA2- 3
TMDS_SHLD2 2
TMDS_DATA2+ 1
GND 20
GND 21
GND
GND
HOTPLUG_RX2
HDMI2_5VIN
RX5V2_DDC_SDA
RX5V2_DDC_SCL
CEC1
HDMI2_RXC-
HDMI2_RXC+
HDMI2_RX0-
HDMI2_RX0+
HDMI2_RX1-
HDMI2_RX1+
HDMI2_RX2-
HDMI2_RX2+
R81
R85
RX2_HOTPLUG
POW2
1Kohm-0402±5%-1/16W
36Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W
R90
GND
R94
CEC1
CEC2
471511051


CN20
HDMI3_RX2+ 1
HDMI3_RX2- 2
HDMI3_RX1+ 3
HDMI3_RX1- 4
HDMI3_RX0+ 5
HDMI3_RX0- 6
HDMI3_RXC+ 7
HDMI3_RXC- 8
RX5V3_DDC_SCL 9
RX5V3_DDC_SDA 10
GND 11
GND 12
HDMI3_5VIN 13
HOTPLUG3 14
GND 15
GND 16
CEC2 17
+5V 18
M_SCL 19
M_SDA 20
NC/2*10PIN-2.0-D-H-M

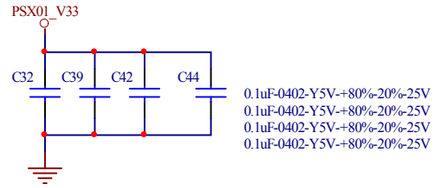

RX5V1_DDC_SDA
RX5V1_DDC_SCL
R20
R21
HDMI1_5VIN
10Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W

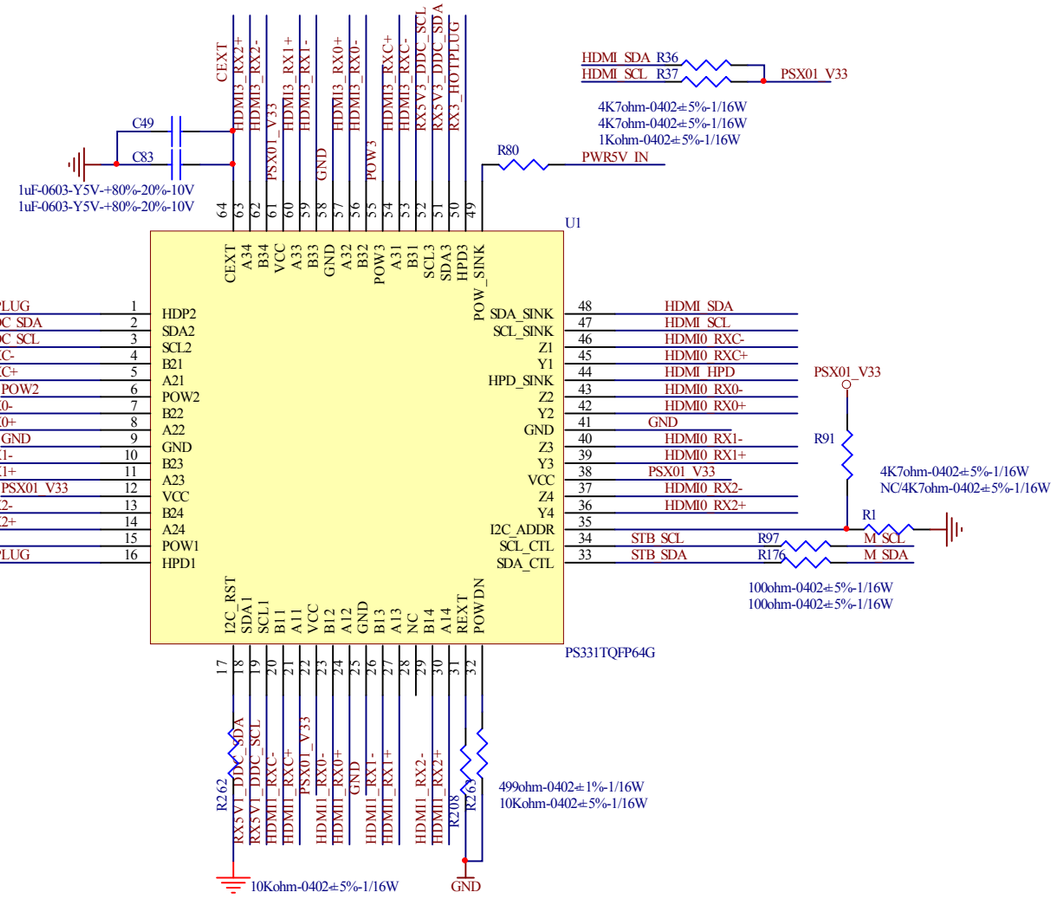

RX5V2_DDC_SDA
RX5V2_DDC_SCL
R43
R70
HDMI2_5VIN
10Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W

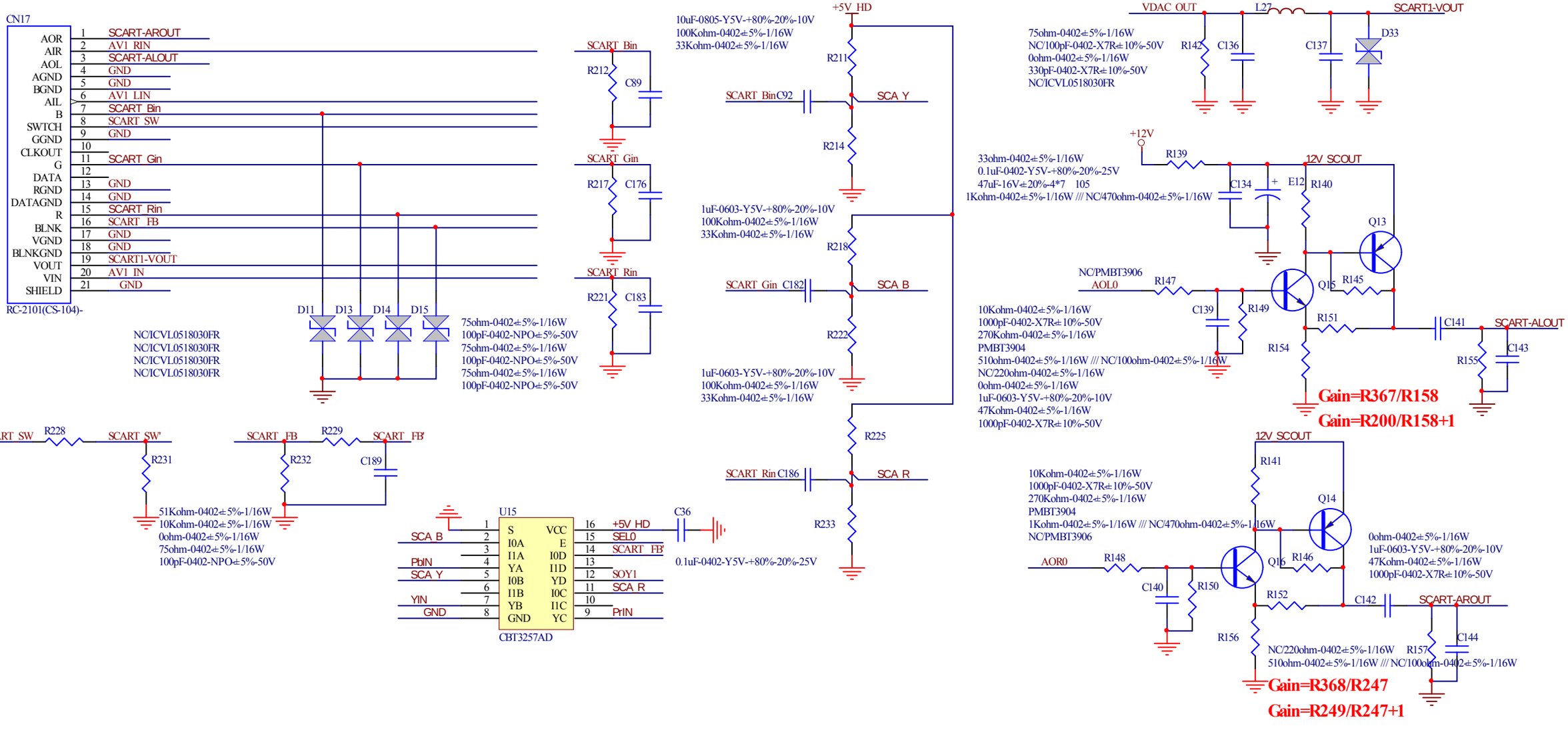

RX5V3_DDC_SDA
RX5V3_DDC_SCL
R95
R96
HDMI3_5VIN
10Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W

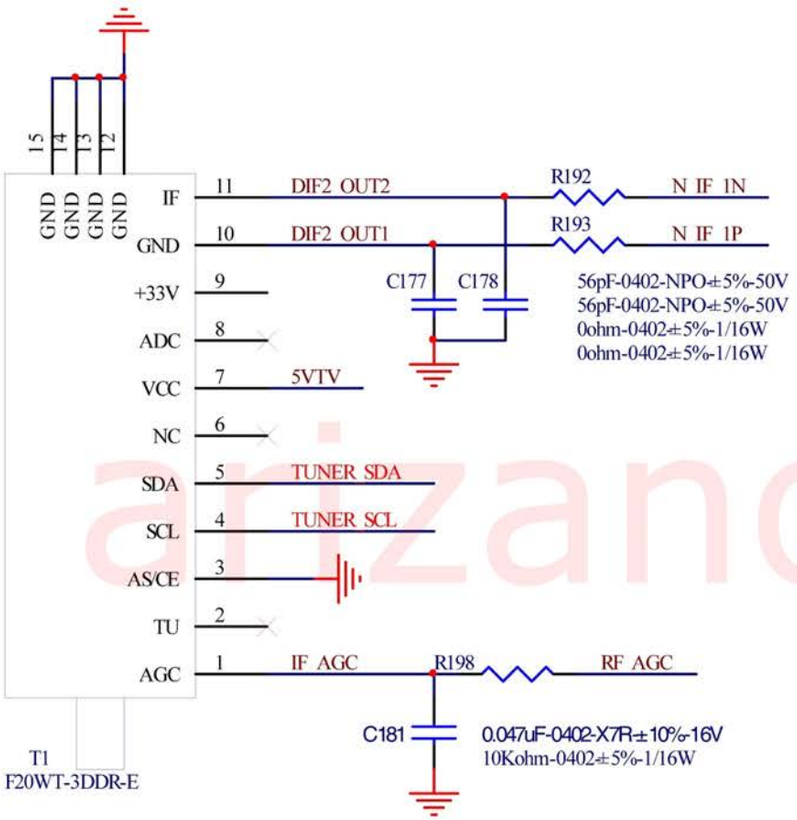

AVDD3V3
L5
PSX01_V33
GZ1608D121T(F)
10uF-0805-Y5V-+80%-20%-10V
C11

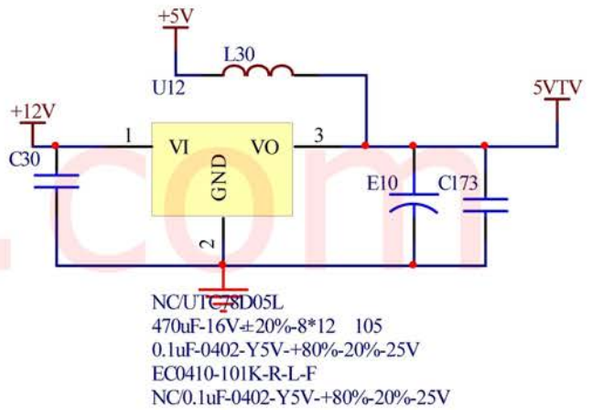
160mA


PSX01_V33
C32
C39
C42
C44
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V


C49
C83
1uF-0603-Y5V-+80%-20%-10V
1uF-0603-Y5V-+80%-20%-10V
CEXT
HDMI3_RX2+
HDMI3_RX2-
PSX01_V33
HDMI3_RX1+
HDMI3_RX1-
GND
HDMI3_RX0+
HDMI3_RX0-
POW3
HDMI3_RXC+
HDMI3_RXC-
RX5V3_DDC_SCL
RX5V3_DDC_SDA
RX3_HOTPLUG
64 63 62 61 60 59 58 57 56 55 54 53 52 51 50 49
U1
CEXT A34 B34 VCC A33 B33 GND A32 B32 POW3 A31 B31 SCL3 SDA3 HPD3 POW_SINK
RX2_HOTPLUG 1
RX5V2_DDC_SDA 2
RX5V2_DDC_SCL 3
HDMI2_RXC- 4
HDMI2_RXC+ 5
POW2 6
HDMI2_RX0- 7
HDMI2_RX0+ 8
GND 9
HDMI2_RX1- 10
HDMI2_RX1+ 11
PSX01_V33 12
HDMI2_RX2- 13
HDMI2_RX2+ 14
POW1 15
RX1_HOTPLUG 16
HDP2
SDA2
SCL2
B21
A21
POW2
B22
A22
GND
B23
A23
VCC
B24
A24
POW1
HPD1
SDA_SINK
SCL_SINK
Z1
Y1
HPD_SINK
Z2
Y2
GND
Z3
Y3
VCC
Z4
Y4
I2C_ADDR
SCL_CTL
SDA_CTL
48 HDMI_SDA
47 HDMI_SCL
46 HDMI0_RXC-
45 HDMI0_RXC+
44 HDMI_HPD
43 HDMI0_RX0-
42 HDMI0_RX0+
41 GND
40 HDMI0_RX1-
39 HDMI0_RX1+
38 PSX01_V33
37 HDMI0_RX2-
36 HDMI0_RX2+
35
34 STB_SCL
33 STB_SDA
I2C_RST SDA1 SCL1 B11 A11 VCC B12 A12 GND B13 A13 NC B14 A14 REXT POW_DN
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
PS331TQFP64G
HDMI_SDA R36
HDMI_SCL R37
PSX01_V33
4K7ohm-0402±5%-1/16W
4K7ohm-0402±5%-1/16W
1Kohm-0402±5%-1/16W
R80
PWR5V_IN
PSX01_V33
R91
4K7ohm-0402±5%-1/16W
NC/4K7ohm-0402±5%-1/16W
R1
M_SCL
M_SDA
R97
R176
100ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
R262
RX5V1_DDC_SDA
RX5V1_DDC_SCL
HDMI1_RXC-
HDMI1_RXC+
PSX01_V33
HDMI1_RX0-
HDMI1_RX0+
GND
HDMI1_RX1-
HDMI1_RX1+
HDMI1_RX2-
R208
HDMI1_RX2+
R263
499ohm-0402±1%-1/16W
10Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W
GND


CN17
AOR 1 SCART-AROUT
AIR 2 AV1_RIN
AOL 3 SCART-ALOUT
AGND 4 GND
BGND 5 GND
AIL 6 AV1_LIN
B 7 SCART_Bin
SWTCH 8 SCART_SW
GGND 9 GND
CLKOUT 10
G 11 SCART_Gin
DATA 12
RGND 13 GND
DATAGND 14 GND
R 15 SCART_Rin
BLNK 16 SCART_FB
VGND 17 GND
BLNKGND 18 GND
VOUT 19 SCART1-VOUT
VIN 20 AV1_IN
SHIELD 21 GND
RC-2101(CS-104)-
D11 D13 D14 D15
NC/ICVL0518030FR
NC/ICVL0518030FR
NC/ICVL0518030FR
NC/ICVL0518030FR
75ohm-0402±5%-1/16W
100pF-0402-NPO±5%-50V
75ohm-0402±5%-1/16W
100pF-0402-NPO±5%-50V
75ohm-0402±5%-1/16W
100pF-0402-NPO±5%-50V
SCART_Bin R212 C89
SCART_Gin R217 C176
SCART_Rin R221 C183
+5V_HD
10uF-0805-Y5V-+80%-20%-10V
100Kohm-0402±5%-1/16W
33Kohm-0402±5%-1/16W
R211
SCART_Bin C92 SCA_Y
R214
1uF-0603-Y5V-+80%-20%-10V
100Kohm-0402±5%-1/16W
33Kohm-0402±5%-1/16W
R218
SCART_Gin C182 SCA_B
R222
1uF-0603-Y5V-+80%-20%-10V
100Kohm-0402±5%-1/16W
33Kohm-0402±5%-1/16W
R225
SCART_Rin C186 SCA_R
R233
SCART_SW R228 SCART_SW'
R231
51Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W
0ohm-0402±5%-1/16W
75ohm-0402±5%-1/16W
100pF-0402-NPO±5%-50V
SCART_FB R229 SCART_FB'
R232
C189
U15
S VCC
I0A E
I1A I0D
YA I1D
I0B YD
I1B I0C
YB I1C
GND YC
SCA_B
PbIN
SCA_Y
YIN
GND
+5V_HD
SEL0
SCART_FB'
SOY1
SCA_R
PrIN
CBT3257AD
C36
0.1uF-0402-Y5V-+80%-20%-25V
VDAC_OUT L27 SCART1-VOUT
75ohm-0402±5%-1/16W
NC/100pF-0402-X7R±10%-50V
0ohm-0402±5%-1/16W
330pF-0402-X7R±10%-50V
NC/ICVL0518030FR
R142 C136 C137 D33
+12V
33ohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
47uF-16V±20%-4*7 105
1Kohm-0402±5%-1/16W /// NC/470ohm-0402±5%-1/16W
R139 C134 E12 12V_SCOUT
R140
Q13
NC/PMBT3906
AOL0
R147
Q15
R145
10Kohm-0402±5%-1/16W
1000pF-0402-X7R±10%-50V
270Kohm-0402±5%-1/16W
PMBT3904
510ohm-0402±5%-1/16W /// NC/100ohm-0402±5%-1/16W
NC/220ohm-0402±5%-1/16W
0ohm-0402±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
47Kohm-0402±5%-1/16W
1000pF-0402-X7R±10%-50V
C139 R149
R151
C141 SCART-ALOUT
R154
R155 C143
Gain=R367/R158
Gain=R200/R158+1
12V_SCOUT
R141
Q14
10Kohm-0402±5%-1/16W
1000pF-0402-X7R±10%-50V
270Kohm-0402±5%-1/16W
PMBT3904
1Kohm-0402±5%-1/16W /// NC/470ohm-0402±5%-1/16W
NC/PMBT3906
0ohm-0402±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
47Kohm-0402±5%-1/16W
1000pF-0402-X7R±10%-50V
AOR0 R148
Q16 R146
C140 R150
R152
C142 SCART-AROUT
R156
NC/220ohm-0402±5%-1/16W R157
510ohm-0402±5%-1/16W /// NC/100ohm-0402±5%-1/16W
C144
Gain=R368/R247
Gain=R249/R247+1
DVD_R_IN R236 DVD_R
DVD_L_IN R238 DVD_L
10Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W
5K1ohm-0402±5%-1/16W
5K1ohm-0402±5%-1/16W
R239 R240
NC/100ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
100ohm-0402±5%-1/16W
4K7ohm-0402±5%-1/16W
CN18
1 DVD_5V R244 DVD_ON
2
3 GND
4 GND R248
5 +12V R249
6 DVD_IR' R250 DVD_IR
7 DVD_RXD' U0RX
8 DVD_TXD' U0TX
R246 AVDD3V3
8PIN-2.0-D-H-G
DVD_ON R245
Q21
PMBT3904
+5V
R241
R243
Q12
AO3401A
C194
C192
DVD_5V
4K7ohm-0402±5%-1/16W
100Kohm-0402±5%-1/16W
10Kohm-0402±5%-1/16W
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
CN19
1 COAX
2 GND
3 DVD_R_IN
4 GND
5 DVD_L_IN
6 DVD_Pb
7 GND
8 DVD_Pr
9 GND
10 DVD_Y
11 GND
11PIN-2.0-D-H-G
C196
DVD_Y R254
DVD_Pb R255
DVD_Pr R256
100pF-0402-NPO±5%-50V
75ohm-0402±5%-1/16W
75ohm-0402±5%-1/16W
75ohm-0402±5%-1/16W
+5V_AUD
R253
R252
DVD_R C198 DVD_R'
DVD_L C199 DVD_L'
100Kohm-0402±5%-1/16W
100Kohm-0402±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
100Kohm-0402±5%-1/16W
100Kohm-0402±5%-1/16W
1uF-0603-Y5V-+80%-20%-10V
R258
R259





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