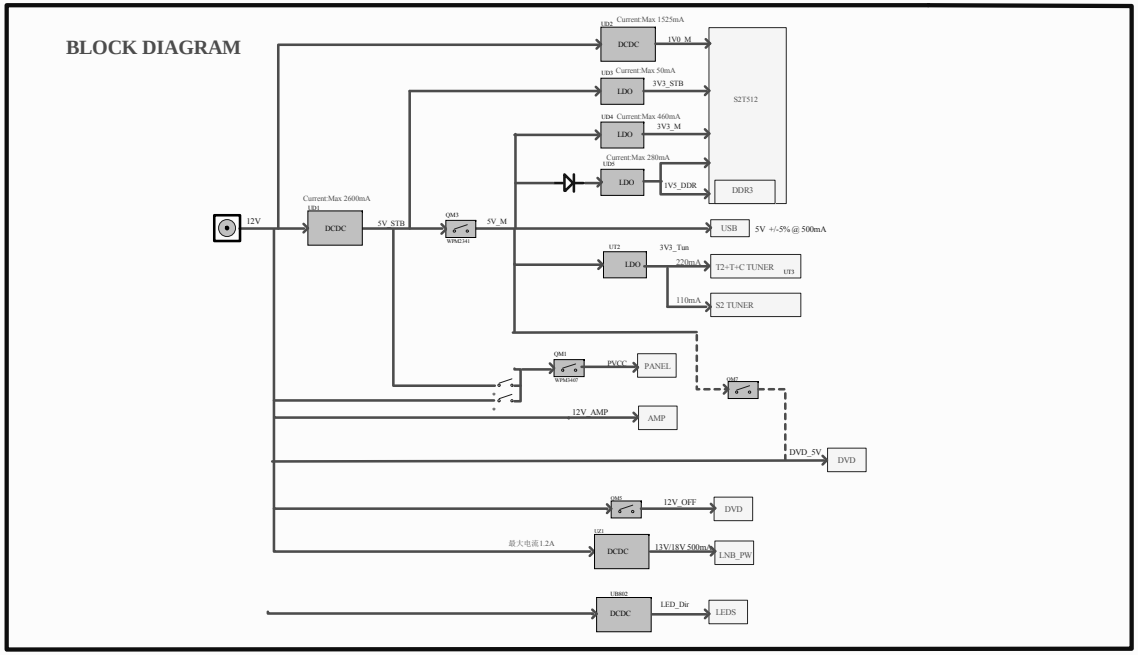
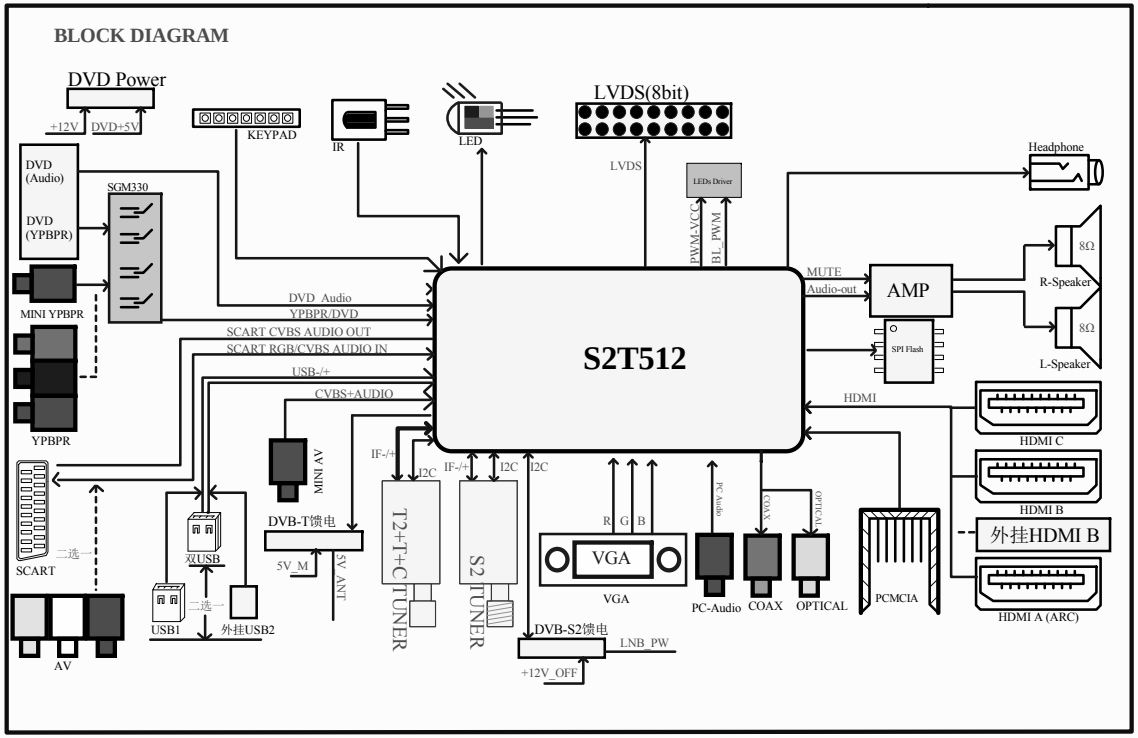
改板必查项目

工程师	拟制		日期	
	审核			
类型描述	原理图封装		备注	
板卡型号	TP.S512.PB83 PCB_NAME			
板卡周期号	C14251 PCB_TIME			
MARK点	M1 MARK　M2 MARK			
定位孔	H1 H2 H3 H4 H5 H6 Location hole Location hole Location hole Location hole Location hole Location hole			
标识电阻	无			
散热片	HS1 1 2 45*41.5*10*H5.0	HS2 NC/27×27×0.8 黑色-THD		





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Size: A4	Number	Revision
Date: 2014/8/4	Sheet of	
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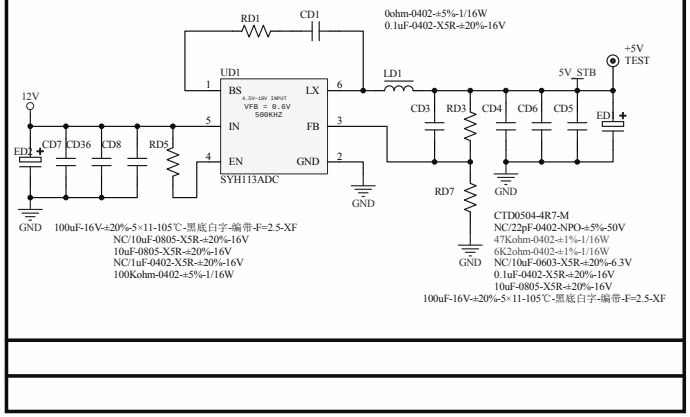
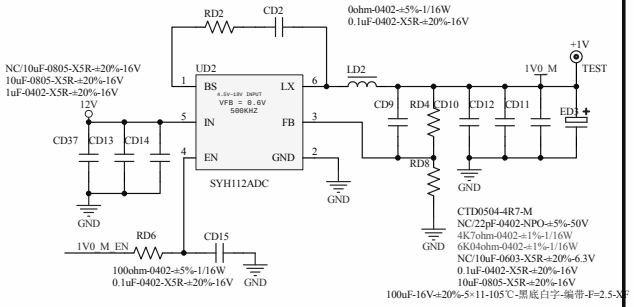
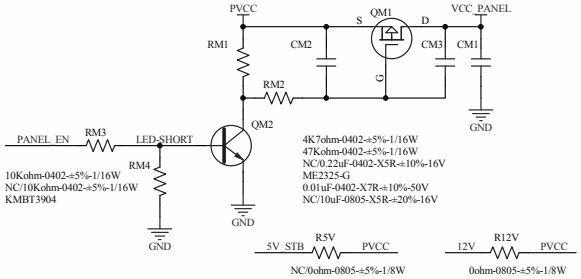
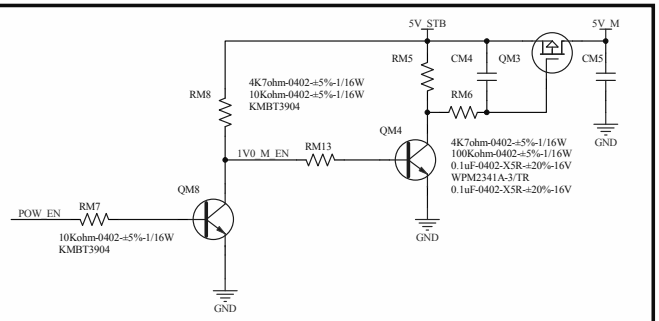
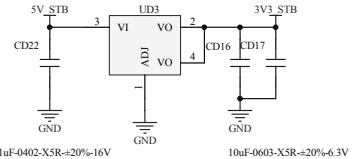
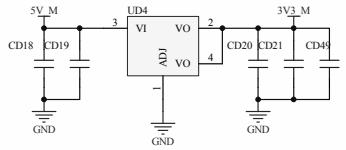

RD1
CD1
0ohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
+5V
TEST
5V_STB
LD1
UD1
BS
LX
IN
FB
EN
GND
SYH113ADC
12V
ED2
CD7 CD36 CD8
RD5
CD3 RD3 CD4 CD6 CD5
ED1
RD7
GND
CTD0504-4R7-M
NC/22pF-0402-NPO-±5%-50V
47Kohm-0402-±1%-1/16W
6K2ohm-0402-±1%-1/16W
NC/10uF-0603-X5R-±20%-6.3V
0.1uF-0402-X5R-±20%-16V
10uF-0805-X5R-±20%-16V
100uF-16V-±20%-5×11-105℃-黑底白字-编带-F=2.5-XF
100uF-16V-±20%-5×11-105℃-黑底白字-编带-F=2.5-XF
NC/10uF-0805-X5R-±20%-16V
10uF-0805-X5R-±20%-16V
NC/1uF-0402-X5R-±20%-16V
100Kohm-0402-±5%-1/16W

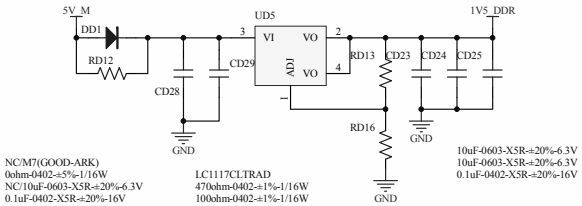

RD2
CD2
0ohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
NC/10uF-0805-X5R-±20%-16V
10uF-0805-X5R-±20%-16V
1uF-0402-X5R-±20%-16V
+1V
TEST
1V0_M
UD2
BS
LX
IN
FB
EN
GND
SYH112ADC
LD2
12V
CD37 CD13 CD14
CD9 RD4 CD10 CD12 CD11
ED3
RD8
RD6
CD15
1V0_M_EN
100ohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
GND
CTD0504-4R7-M
NC/22pF-0402-NPO-±5%-50V
4K7ohm-0402-±1%-1/16W
6K04ohm-0402-±1%-1/16W
NC/10uF-0603-X5R-±20%-6.3V
0.1uF-0402-X5R-±20%-16V
10uF-0805-X5R-±20%-16V
100uF-16V-±20%-5×11-105℃-黑底白字-编带-F=2.5-XF

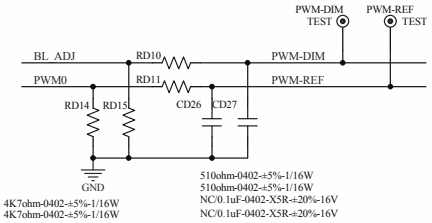

PVCC
QM1
VCC_PANEL
S
D
G
RM1
CM2
CM3
CM1
RM2
QM2
PANEL_EN
RM3
LED_SHORT
RM4
10Kohm-0402-±5%-1/16W
NC/10Kohm-0402-±5%-1/16W
KMBT3904
4K7ohm-0402-±5%-1/16W
47Kohm-0402-±5%-1/16W
NC/0.22uF-0402-X5R-±10%-16V
ME2325-G
0.01uF-0402-X7R-±10%-50V
NC/10uF-0805-X5R-±20%-16V
GND
5V_STB
R5V
PVCC
NC/0ohm-0805-±5%-1/8W
12V
R12V
PVCC
0ohm-0805-±5%-1/8W

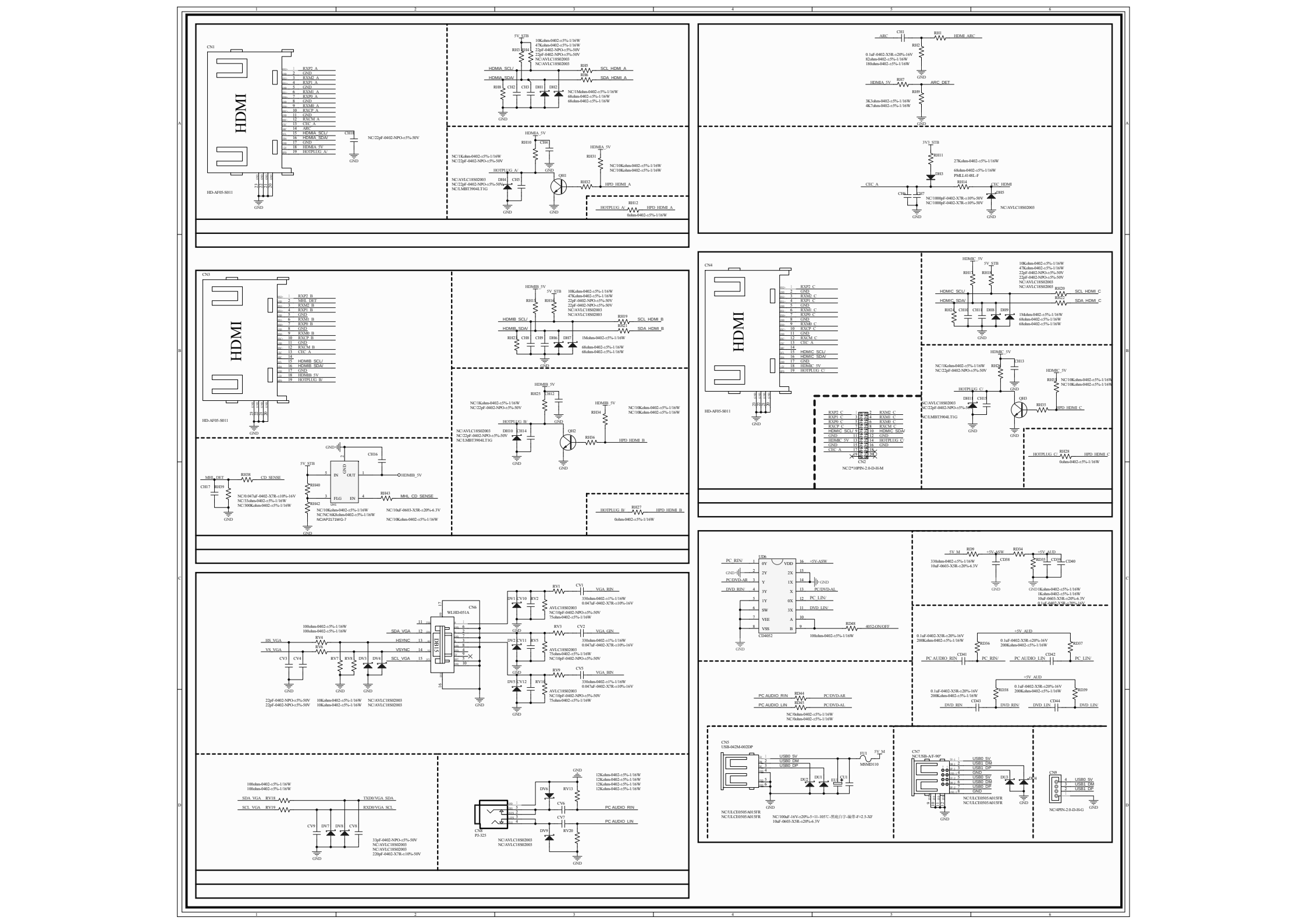

5V_STB
5V_M
RM5
CM4
QM3
CM5
RM8
4K7ohm-0402-±5%-1/16W
10Kohm-0402-±5%-1/16W
KMBT3904
QM4
1V0_M_EN
RM13
4K7ohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
WPM2341A-3/TR
0.1uF-0402-X5R-±20%-16V
RM6
QM8
POW_EN
RM7
10Kohm-0402-±5%-1/16W
KMBT3904
GND

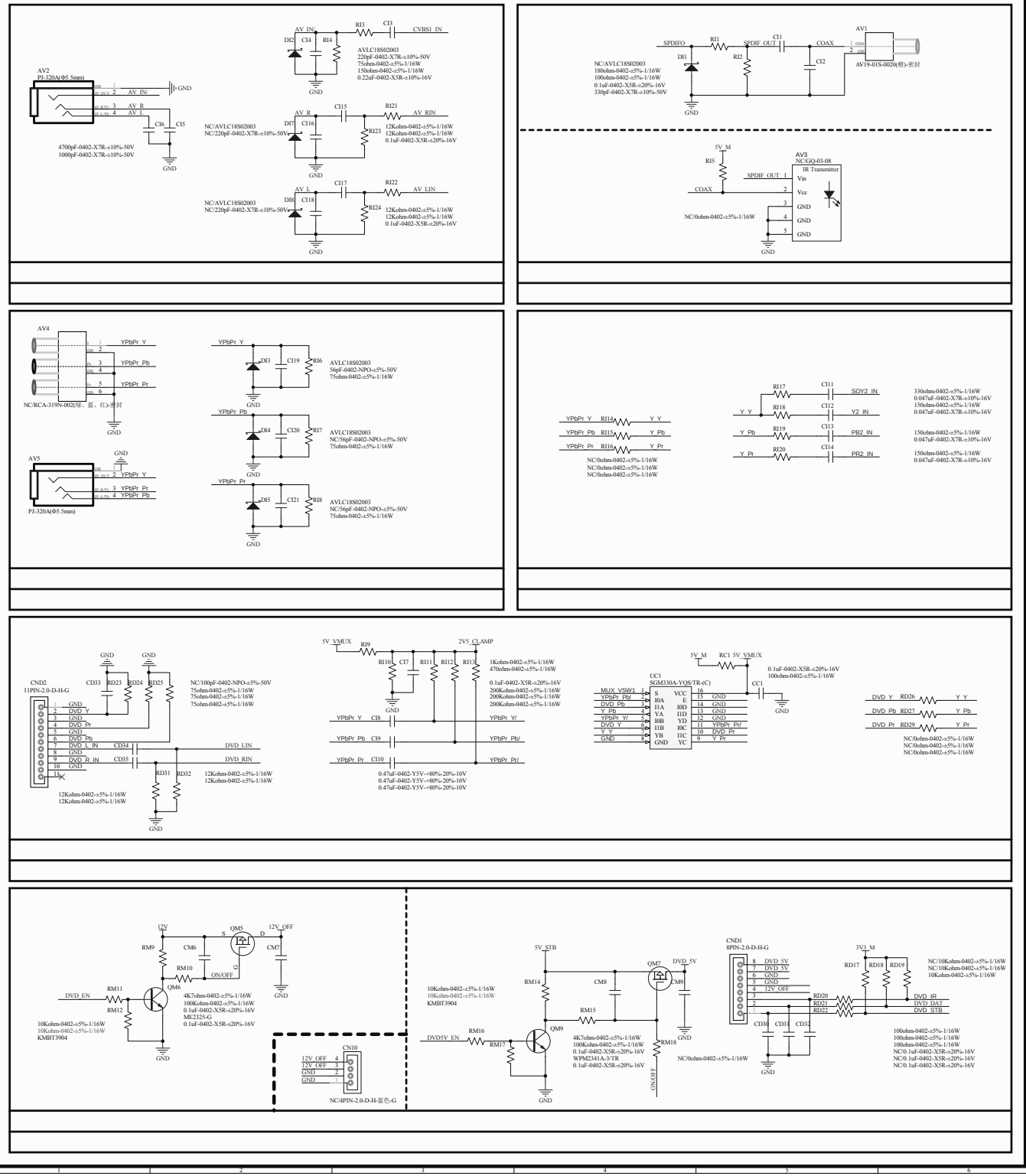

5V_STB
UD3
3V3_STB
CD22
VI
VO
ADJ
VO
CD16
CD17
GND
0.1uF-0402-X5R-±20%-16V
LC1117CLTR33
10uF-0603-X5R-±20%-6.3V
0.1uF-0402-X5R-±20%-16V

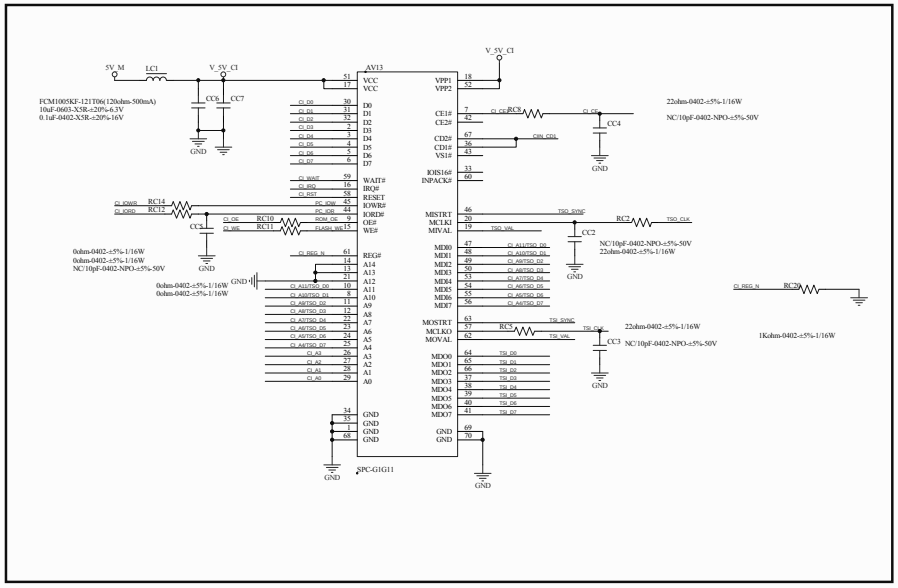

5V_M
UD4
3V3_M
CD18
CD19
VI
VO
ADJ
VO
CD20
CD21
CD49
GND
NC/10uF-0603-X5R-±20%-6.3V
0.1uF-0402-X5R-±20%-16V
LC1117CLTR33
10uF-0603-X5R-±20%-6.3V
0.1uF-0402-X5R-±20%-16V
1uF-0402-X5R-±20%-6.3V

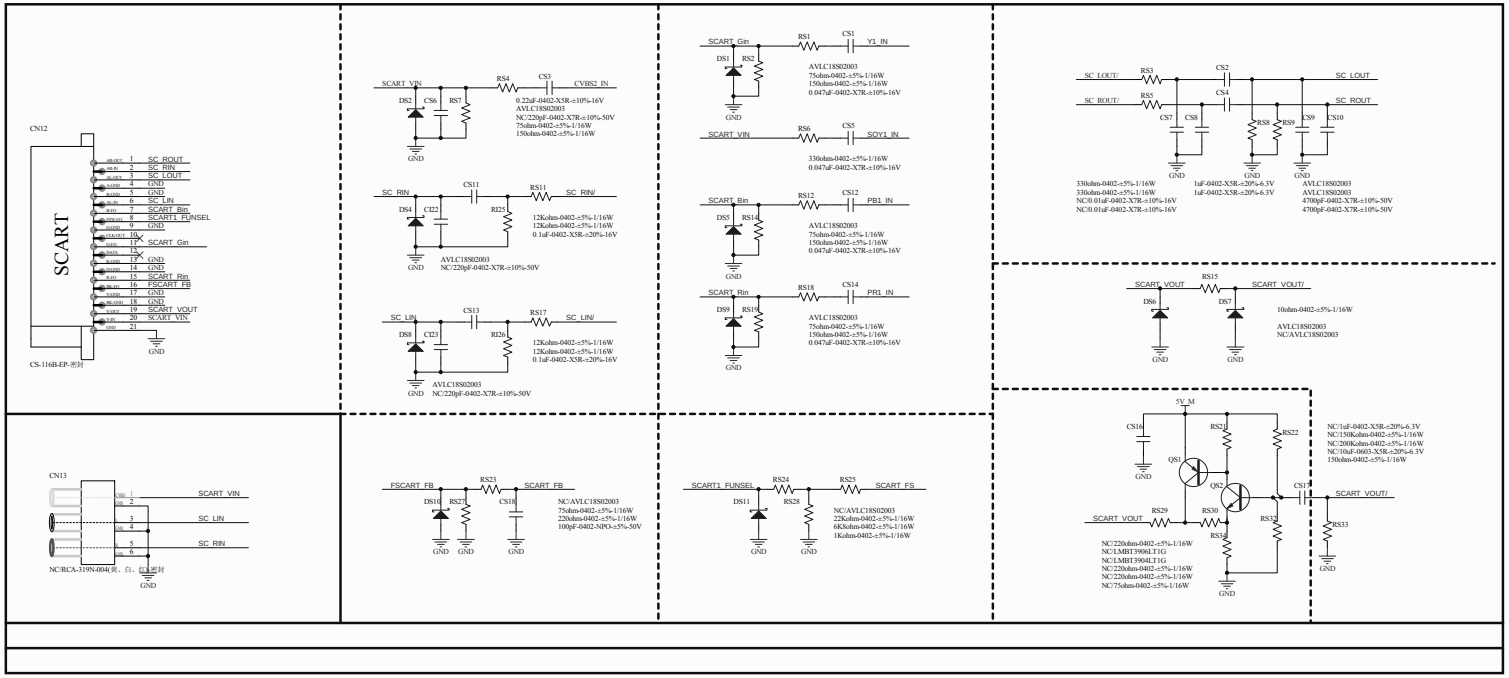

5V_M
DD1
RD12
UD5
1V5_DDR
VI
VO
ADJ
VO
CD29
CD28
RD13
CD23
CD24
CD25
RD16
GND
NC/M7(GOOD-ARK)
0ohm-0402-±5%-1/16W
NC/10uF-0603-X5R-±20%-6.3V
0.1uF-0402-X5R-±20%-16V
LC1117CLTRAD
470ohm-0402-±1%-1/16W
100ohm-0402-±1%-1/16W
10uF-0603-X5R-±20%-6.3V
10uF-0603-X5R-±20%-6.3V
0.1uF-0402-X5R-±20%-16V


PWM-DIM
TEST
PWM-REF
TEST
BL_ADJ
RD10
PWM-DIM
PWM0
RD11
PWM-REF
RD14
RD15
CD26
CD27
GND
4K7ohm-0402-±5%-1/16W
4K7ohm-0402-±5%-1/16W
510ohm-0402-±5%-1/16W
510ohm-0402-±5%-1/16W
NC/0.1uF-0402-X5R-±20%-16V
NC/0.1uF-0402-X5R-±20%-16V


CN1
HDMI
HD-AF05-S011
RXP2_A
GND
RXM2_A
RXP1_A
RXM1_A
RXP0_A
RXM0_A
RXCP_A
RXCM_A
CEC_A
ARC
HDMIA_SCL/
HDMIA_SDA/
HDMIA_5V
HOTPLUG_A/
NC/22pF-0402-NPO-±5%-50V
5V_STB
10Kohm-0402-±5%-1/16W
47Kohm-0402-±5%-1/16W
22pF-0402-NPO-±5%-50V
NC/AVLC18S02003
SCL_HDMI_A
SDA_HDMI_A
NC/1Mohm-0402-±5%-1/16W
68ohm-0402-±5%-1/16W
NC/1Kohm-0402-±5%-1/16W
NC/10Kohm-0402-±5%-1/16W
NC/AVLC18S02003
NC/LMBT3904LT1G
HPD_HDMI_A
0ohm-0402-±5%-1/16W
ARC
HDMI_ARC
0.1uF-0402-X5R-±20%-16V
82ohm-0402-±5%-1/16W
180ohm-0402-±5%-1/16W
HDMIA_5V
ARC_DET
3K3ohm-0402-±5%-1/16W
4K7ohm-0402-±5%-1/16W
3V3_STB
27Kohm-0402-±5%-1/16W
68ohm-0402-±5%-1/16W
PMLL4148L-F
CEC_HDMI
NC/1000pF-0402-X7R-±10%-50V
NC/AVLC18S02003
CN3
HDMI
HD-AF05-S011
RXP2_B
MHL_DET
RXM2_B
RXP1_B
RXM1_B
RXP0_B
RXM0_B
RXCP_B
RXCM_B
CEC_A
HDMIB_SCL/
HDMIB_SDA/
HDMIB_5V
HOTPLUG_B/
HDMIB_5V
NC/1Kohm-0402-±5%-1/16W
NC/22pF-0402-NPO-±5%-50V
NC/AVLC18S02003
NC/LMBT3904LT1G
HPD_HDMI_B
0ohm-0402-±5%-1/16W
MHL_DET
CD_SENSE
NC/0.047uF-0402-X7R-±10%-16V
NC/33ohm-0402-±5%-1/16W
NC/300Kohm-0402-±5%-1/16W
5V_STB
HDMIB_5V
NC/10Kohm-0402-±5%-1/16W
NC/NC/68Kohm-0402-±5%-1/16W
NC/APX2171WG-7
NC/10uF-0603-X5R-±20%-6.3V
MHL_CD_SENSE
CN4
HDMI
HD-AF05-S011
RXP2_C
RXM2_C
RXP1_C
RXM1_C
RXP0_C
RXM0_C
RXCP_C
RXCM_C
HDMIC_SCL/
HDMIC_SDA/
HDMIC_5V
HOTPLUG_C/
CN2
NC/2*10PIN-2.0-D-H-M
HDMIC_5V
NC/1Kohm-0402-±5%-1/16W
NC/22pF-0402-NPO-±5%-50V
NC/AVLC18S02003
NC/LMBT3904LT1G
HPD_HDMI_C
0ohm-0402-±5%-1/16W
PC_RIN/
PC/DVD-AR
DVD_RIN/
PC_DVD_AL
PC_LIN/
DVD_LIN/
CD4052
4052-ON/OFF
100ohm-0402-±5%-1/16W
5V_M
+5V-ASW
+5V_AUD
330ohm-0402-±5%-1/16W
10uF-0603-X5R-±20%-6.3V
1Kohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
200Kohm-0402-±5%-1/16W
PC_AUDIO_RIN
PC_AUDIO_LIN
PC/DVD-AR
PC/DVD-AL
NC/0ohm-0402-±5%-1/16W
CN6
WLHD-051A
VGA_RIN
VGA_GIN
VGA_BIN
HS_VGA
VS_VGA
SDA_VGA
SCL_VGA
HSYNC
VSYNC
100ohm-0402-±5%-1/16W
22pF-0402-NPO-±5%-50V
10Kohm-0402-±5%-1/16W
NC/AVLC18S02003
330ohm-0402-±1%-1/16W
0.047uF-0402-X7R-±10%-16V
75ohm-0402-±5%-1/16W
NC/10pF-0402-NPO-±5%-50V
CN5
USB-042M-002DP
USB0_5V
USB0_DM
USB0_DP
MSMD110
NC/ULCE0505A01SFR
NC/100uF-16V-±20%-5-11-105℃-黑底白字-编带-F=2.5-XF
10uF-0603-X5R-±20%-6.3V
CN7
NC/USB-A/F-90°
USB1_5V
USB1_DM
USB1_DP
GND
NC/ULCE0505A01SFR
CN9
NC/4PIN-2.0-D-H-G
CN8
PJ-325
NC/AVLC18S02003
12Kohm-0402-±5%-1/16W
33pF-0402-NPO-±5%-50V
220pF-0402-X7R-±10%-50V
TXD0/VGA_SDA
RXD0/VGA_SCL
PC_AUDIO_RIN
PC_AUDIO_LIN


AV2
PJ-320A(Φ5.5mm)
AV_IN/
AV_R
AV_L
GND
CI6
CI5
4700pF-0402-X7R-±10%-50V
1000pF-0402-X7R-±10%-50V
AV_IN/
DI2
CI4
RI4
RI3
CI3
CVBS1_IN
AVLC18S02003
220pF-0402-X7R-±10%-50V
75ohm-0402-±5%-1/16W
150ohm-0402-±5%-1/16W
0.22uF-0402-X5R-±10%-16V
AV_R
DI7
CI16
CI15
RI21
AV_RIN
RI23
NC/AVLC18S02003
NC/220pF-0402-X7R-±10%-50V
12Kohm-0402-±5%-1/16W
12Kohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
AV_L
DI8
CI18
CI17
RI22
AV_LIN
RI24
NC/AVLC18S02003
NC/220pF-0402-X7R-±10%-50V
12Kohm-0402-±5%-1/16W
12Kohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
SPDIFO
RI1
SPDIF_OUT
CI1
COAX
AV1
DI1
RI2
CI2
AV19-01S-0020(橙)-密封
NC/AVLC18S02003
180ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
330pF-0402-X7R-±10%-50V
5V_M
RI5
SPDIF_OUT_1
COAX
AV3
NC/GQ-03-08
IR Transmitter
Vin
Vcc
GND
NC/0ohm-0402-±5%-1/16W
AV4
YPbPr_Y
YPbPr_Pb
YPbPr_Pr
NC/RCA-319N-002(绿、蓝、红)-密封
AV5
PJ-320A(Φ5.5mm)
DI3
CI19
RI6
AVLC18S02003
56pF-0402-NPO-±5%-50V
75ohm-0402-±5%-1/16W
DI4
CI20
RI7
AVLC18S02003
NC/56pF-0402-NPO-±5%-50V
75ohm-0402-±5%-1/16W
DI5
CI21
RI8
AVLC18S02003
NC/56pF-0402-NPO-±5%-50V
75ohm-0402-±5%-1/16W
YPbPr_Y
RI14
Y_Y
YPbPr_Pb
RI15
Y_Pb
YPbPr_Pr
RI16
Y_Pr
NC/0ohm-0402-±5%-1/16W
NC/0ohm-0402-±5%-1/16W
NC/0ohm-0402-±5%-1/16W
RI17
CI11
SOY2_IN
330ohm-0402-±5%-1/16W
0.047uF-0402-X7R-±10%-16V
Y_Y
RI18
CI12
Y2_IN
150ohm-0402-±5%-1/16W
0.047uF-0402-X7R-±10%-16V
Y_Pb
RI19
CI13
PB2_IN
150ohm-0402-±5%-1/16W
0.047uF-0402-X7R-±10%-16V
Y_Pr
RI20
CI14
PR2_IN
150ohm-0402-±5%-1/16W
0.047uF-0402-X7R-±10%-16V
CND2
11PIN-2.0-D-H-G
GND
DVD_Y
GND
DVD_Pr
GND
DVD_Pb
DVD_L_IN
GND
DVD_R_IN
GND
CD33
RD23
RD24
RD25
CD34
CD35
DVD_LIN
DVD_RIN
RD31
RD32
12Kohm-0402-±5%-1/16W
12Kohm-0402-±5%-1/16W
NC/100pF-0402-NPO-±5%-50V
75ohm-0402-±5%-1/16W
75ohm-0402-±5%-1/16W
75ohm-0402-±5%-1/16W
5V_VMUX
RI9
2V5_CLAMP
RI10
CI7
RI11
RI12
RI13
1Kohm-0402-±5%-1/16W
470ohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
200Kohm-0402-±5%-1/16W
200Kohm-0402-±5%-1/16W
200Kohm-0402-±5%-1/16W
YPbPr_Y
CI8
YPbPr_Y/
YPbPr_Pb
CI9
YPbPr_Pb/
YPbPr_Pr
CI10
YPbPr_Pr/
0.47uF-0402-Y5V-+80%-20%-10V
0.47uF-0402-Y5V-+80%-20%-10V
0.47uF-0402-Y5V-+80%-20%-10V
UC1
SGM330A-YQS/TR-(C)
MUX_VSW1
YPbPr_Pb/
DVD_Pb
Y_Pb
YPbPr_Y/
DVD_Y
Y_Y
GND
S
I0A
I1A
YA
I0B
I1B
YB
GND
VCC
E
I0D
I1D
YD
I0C
I1C
YC
5V_M
RC1
5V_VMUX
0.1uF-0402-X5R-±20%-16V
100ohm-0402-±5%-1/16W
CC1
GND
DVD_Y
RD26
Y_Y
DVD_Pb
RD27
Y_Pb
DVD_Pr
RD29
Y_Pr
NC/0ohm-0402-±5%-1/16W
NC/0ohm-0402-±5%-1/16W
NC/0ohm-0402-±5%-1/16W
12V
RM9
CM6
RM10
QM6
RM11
RM12
DVD_EN
10Kohm-0402-±5%-1/16W
10Kohm-0402-±5%-1/16W
KMBT3904
4K7ohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
0.1uF-0402-X5R-±20%-16V
ME2325-G
0.1uF-0402-X5R-±20%-16V
QM5
S
D
G
ON/OFF
12V_OFF
CM7
GND
CN10
12V_OFF
12V_OFF
GND
GND
NC/4PIN-2.0-D-H-蓝色-G
5V_STB
10Kohm-0402-±5%-1/16W
10Kohm-0402-±5%-1/16W
KMBT3904
RM14
QM9
RM15
RM16
RM17
DVD5V_EN
4K7ohm-0402-±5%-1/16W
100Kohm-0402-±5%-1/16W
WPM2341A-3/TR
0.1uF-0402-X5R-±20%-16V
0.1uF-0402-X5R-±20%-16V
QM7
DVD_5V
CM8
CM9
RM18
NC/0ohm-0402-±5%-1/16W
ON/OFF
CND1
8PIN-2.0-D-H-G
8 DVD_5V
7 DVD_5V
6 GND
5 GND
4 12V_OFF
3
2
1
3V3_M
RD17
RD18
RD19
RD20
RD21
RD22
CD30
CD31
CD32
GND
DVD_IR
DVD_DAT
DVD_STB
NC/10Kohm-0402-±5%-1/16W
NC/10Kohm-0402-±5%-1/16W
10Kohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
NC/0.1uF-0402-X5R-±20%-16V
NC/0.1uF-0402-X5R-±20%-16V
NC/0.1uF-0402-X5R-±20%-16V





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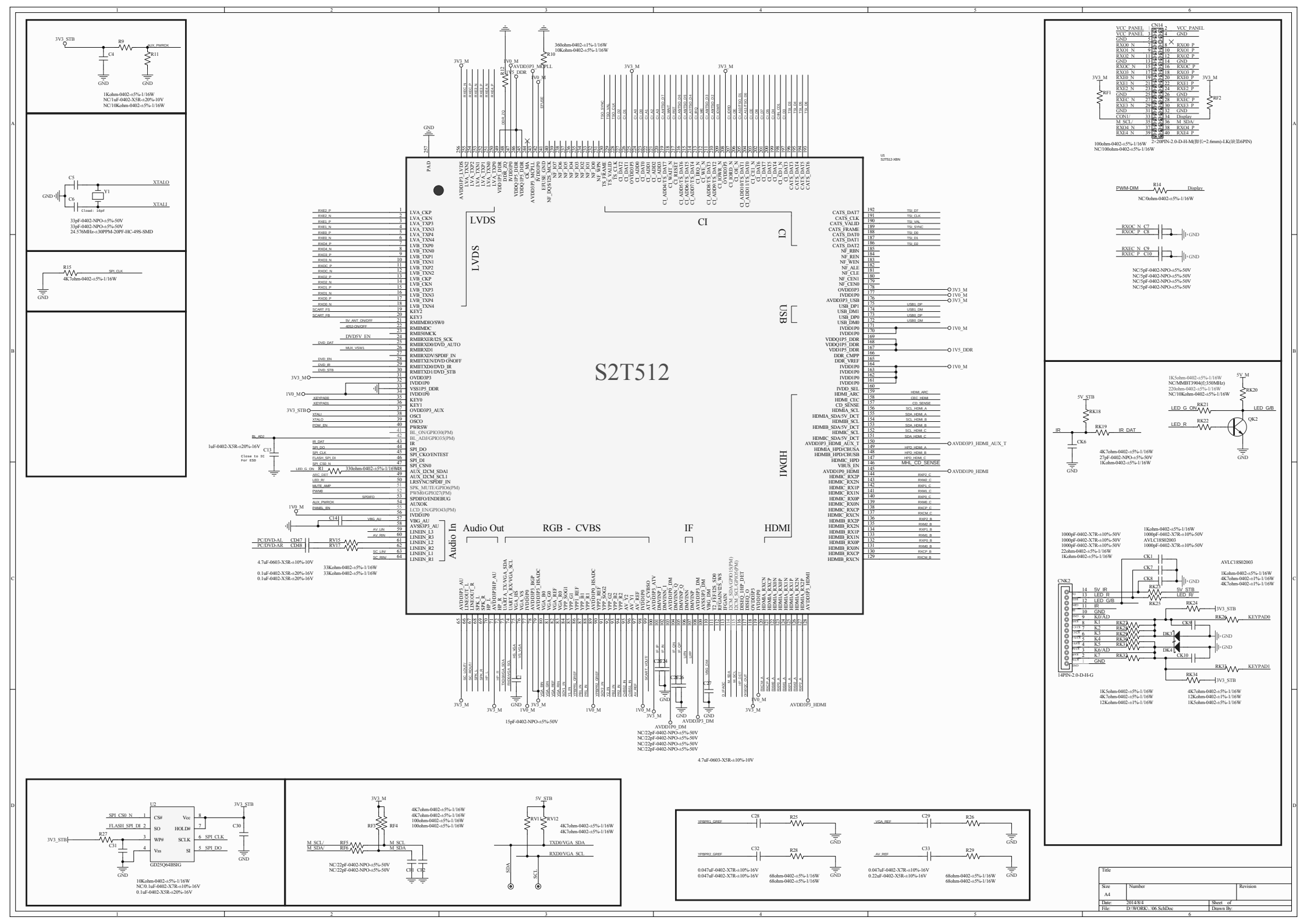
S2T512
LVDS
CI
USB
HDMI
Audio In
Audio Out
RGB - CVBS
IF
1Kohm-0402-±5%-1/16W
NC/1uF-0402-X5R-±20%-10V
NC/10Kohm-0402-±5%-1/16W
33pF-0402-NPO-±5%-50V
33pF-0402-NPO-±5%-50V
24.576MHz-±30PPM-20PF-HC-49S-SMD
4K7ohm-0402-±5%-1/16W
360ohm-0402-±1%-1/16W
10Kohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
NC/100ohm-0402-±5%-1/16W
2×20PIN-2.0-D-H-M(脚长=2.6mm)-LK(缺第6PIN)
NC/0ohm-0402-±5%-1/16W
NC/5pF-0402-NPO-±5%-50V
NC/5pF-0402-NPO-±5%-50V
NC/5pF-0402-NPO-±5%-50V
NC/5pF-0402-NPO-±5%-50V
1uF-0402-X5R-±20%-16V
330ohm-0402-±5%-1/16W
4.7uF-0603-X5R-±10%-10V
0.1uF-0402-X5R-±20%-16V
0.1uF-0402-X5R-±20%-16V
33Kohm-0402-±5%-1/16W
33Kohm-0402-±5%-1/16W
15pF-0402-NPO-±5%-50V
NC/22pF-0402-NPO-±5%-50V
NC/22pF-0402-NPO-±5%-50V
NC/22pF-0402-NPO-±5%-50V
NC/22pF-0402-NPO-±5%-50V
4.7uF-0603-X5R-±10%-10V
1K5ohm-0402-±5%-1/16W
NC/MMBT3904(f≥350MHz)
220ohm-0402-±5%-1/16W
NC/10Kohm-0402-±5%-1/16W
4K7ohm-0402-±5%-1/16W
27pF-0402-NPO-±5%-50V
1Kohm-0402-±5%-1/16W
1000pF-0402-X7R-±10%-50V
1000pF-0402-X7R-±10%-50V
1000pF-0402-X7R-±10%-50V
1000pF-0402-X7R-±10%-50V
22ohm-0402-±5%-1/16W
1Kohm-0402-±5%-1/16W
1Kohm-0402-±5%-1/16W
1000pF-0402-X7R-±10%-50V
AVLC18S02003
1Kohm-0402-±5%-1/16W
4K7ohm-0402-±1%-1/16W
4K7ohm-0402-±1%-1/16W
14PIN-2.0-D-H-G
1K5ohm-0402-±5%-1/16W
4K7ohm-0402-±5%-1/16W
12Kohm-0402-±1%-1/16W
4K7ohm-0402-±5%-1/16W
12Kohm-0402-±1%-1/16W
1K5ohm-0402-±5%-1/16W
GD25Q64BSIG
10Kohm-0402-±5%-1/16W
NC/0.1uF-0402-X7R-±10%-16V
0.1uF-0402-X5R-±20%-16V
NC/22pF-0402-NPO-±5%-50V
NC/22pF-0402-NPO-±5%-50V
4K7ohm-0402-±5%-1/16W
4K7ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
100ohm-0402-±5%-1/16W
4K7ohm-0402-±5%-1/16W
4K7ohm-0402-±5%-1/16W
0.047uF-0402-X7R-±10%-16V
0.047uF-0402-X7R-±10%-16V
68ohm-0402-±5%-1/16W
68ohm-0402-±5%-1/16W
0.047uF-0402-X7R-±10%-16V
0.22uF-0402-X5R-±10%-16V
68ohm-0402-±5%-1/16W
68ohm-0402-±5%-1/16W
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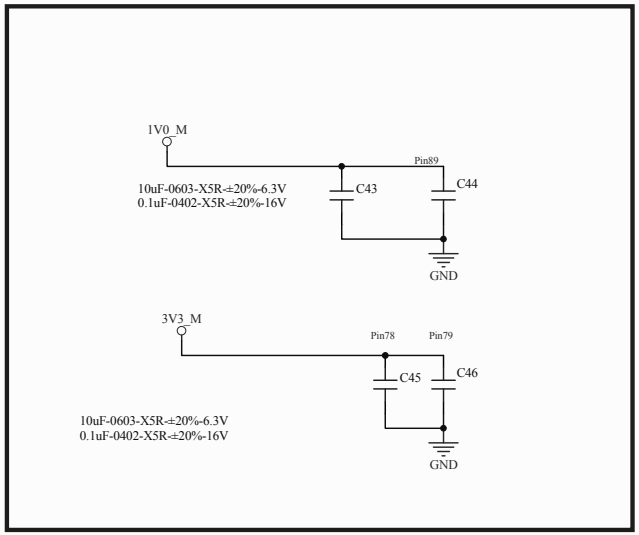

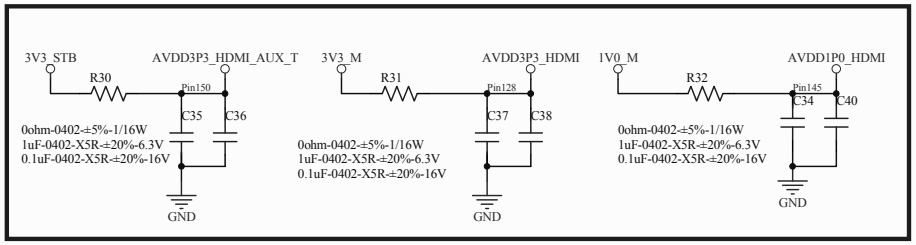

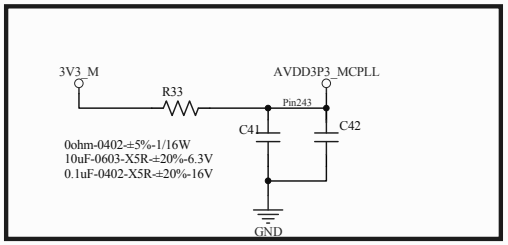

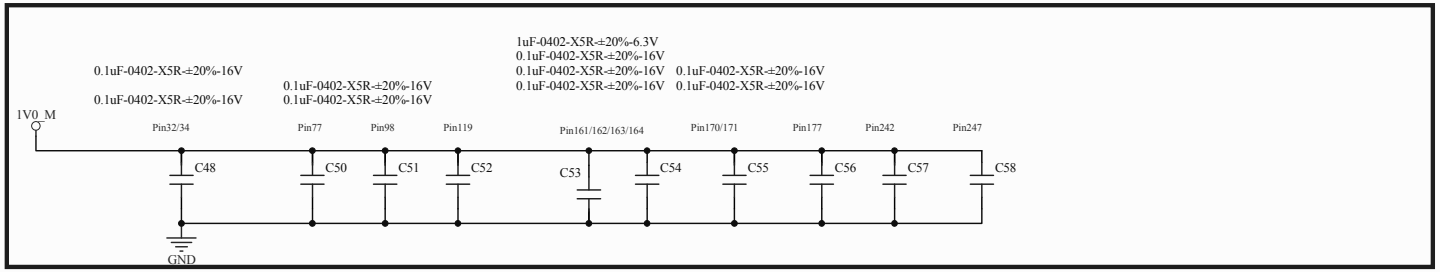

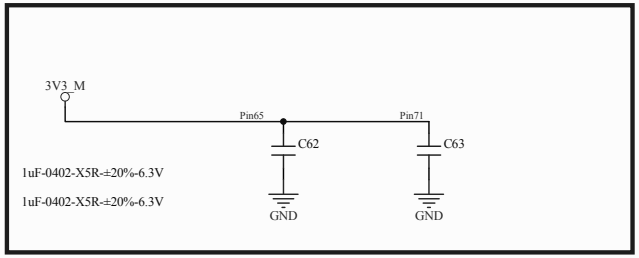

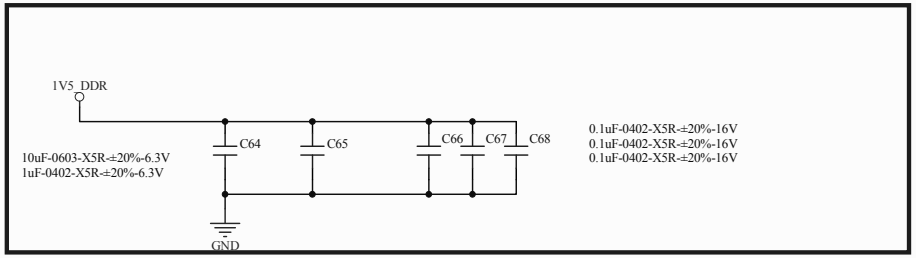

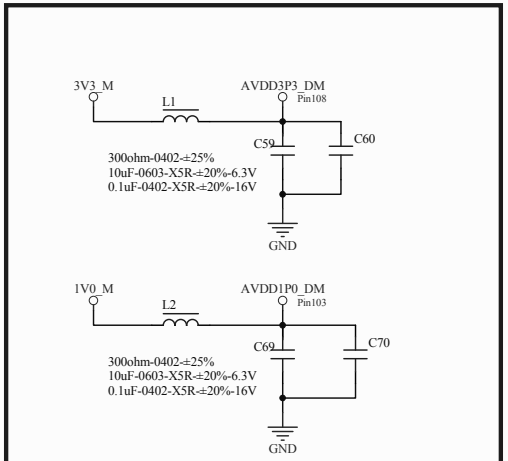

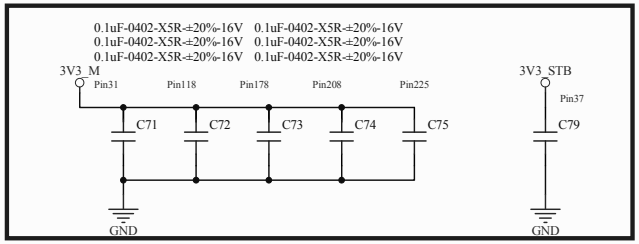

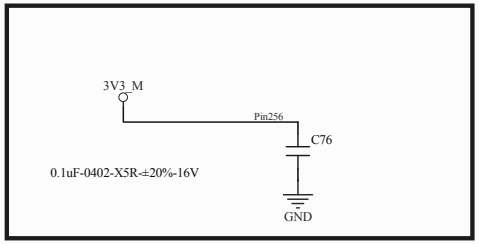

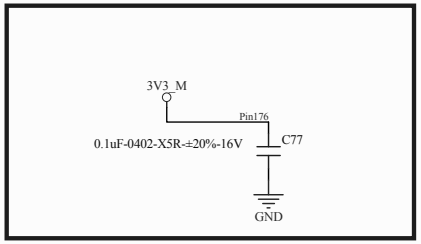

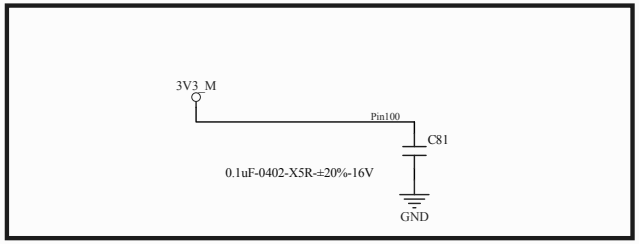

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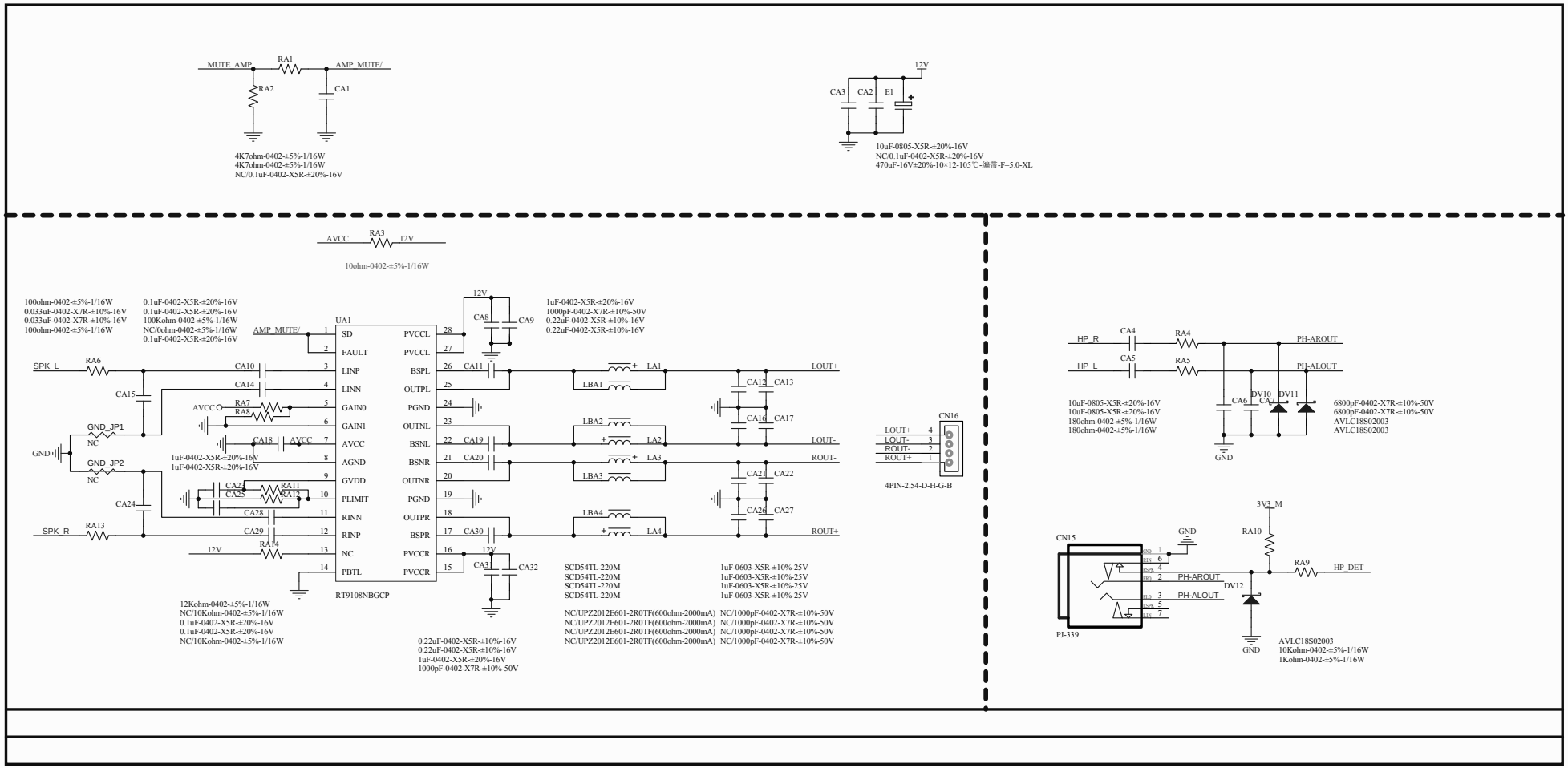

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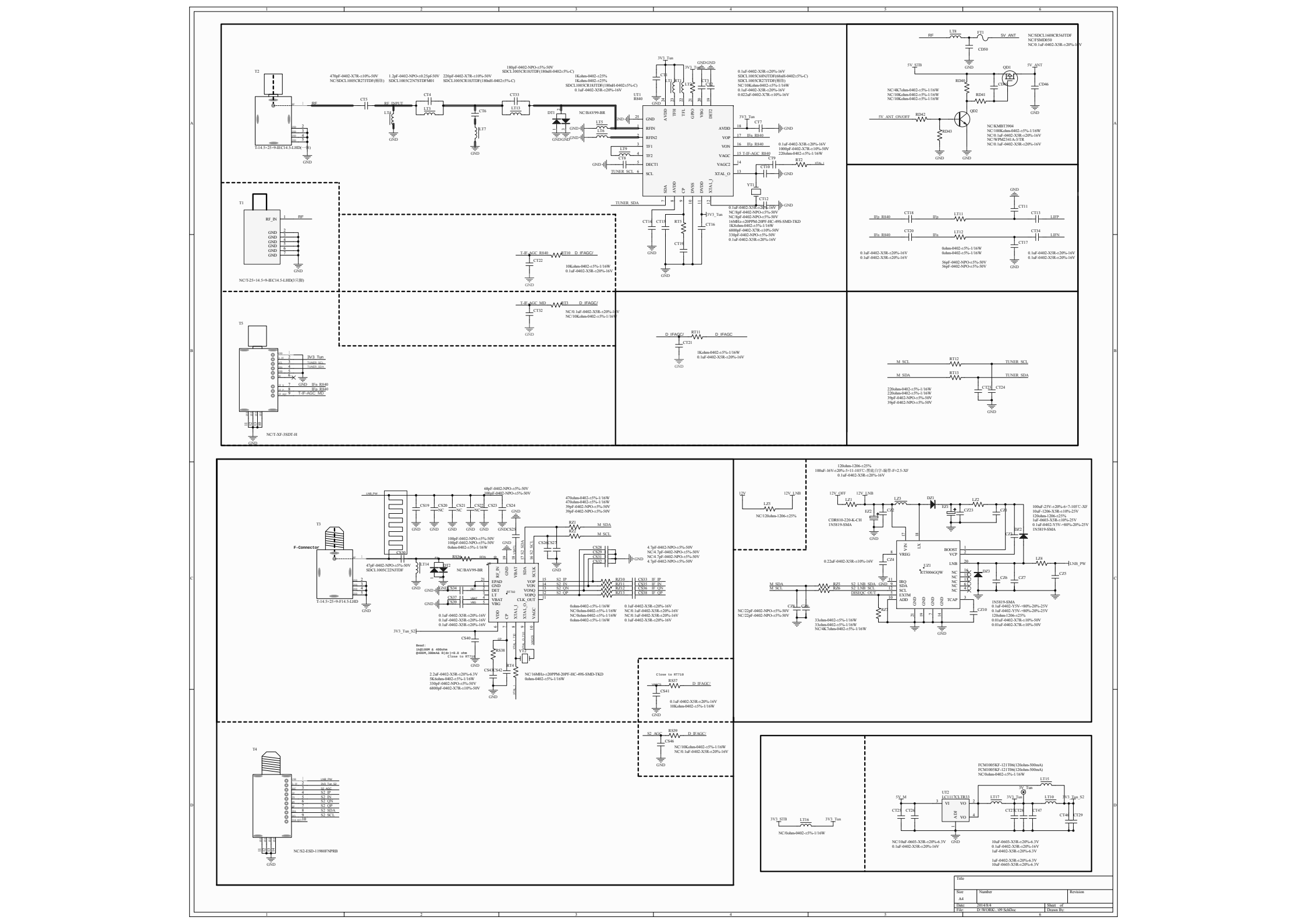
T2
RF
RF_INPUT
T-14.5-25-9-IEC14.5-LHD(一分)
T1
RF_IN
NC/T-25=14.5=9-IEC14.5-LHD(3只脚)
T5
NC/T-XF-3SDT-H
T3
F-Connector
T-14.5=25=9-F14.5-LHD
T4
NC/S2-ESD-11980FNPRB
UT1
R840
TUNER_SCL
TUNER_SDA
3V3_Tun
NC/BAV99-BR
IFp_R840
IFn_R840
T-IF-AGC_R840
T-IF-AGC_MD
D_IFAGC
S2_AGC
M_SCL
M_SDA
12V
12V_LNB
LNB_PW
5V_ANT
5V_STB
5V_ANT_ON/OFF
NC/SDCL1601CR56JTDF
NC/FSMD050
NC/0.1uF-0402-X5R-<20%-16V
NC/KMBT3904
NC/WPM2341A-3/TR
NC/0.1uF-0402-X5R-<20%-16V
120ohm-1206-±25%
100uF-16V-<20%-5=11-1055-□黑底白字-编带-F=2.5-XF
0.1uF-0402-X5R-<20%-16V
CDR810-220-K-CH
1N5819-SMA
0.22uF-0402-X5R-<10%-16V
NC/22pF-0402-NPO=±5%-50V
NC/22pF-0402-NPO=±5%-50V
33ohm-0402-±5%-1/16W
33ohm-0402-±5%-1/16W
NC/4K7ohm-0402-±5%-1/16W
100uF-25V-<20%-6=7-105℃-XF
10uF-1206-X5R-<10%-25V
120ohm-1206-±25%
1uF-0603-X5R-±10%-25V
0.1uF-0402-Y5V-+80%-20%-25V
1N5819-SMA
0.1uF-0402-Y5V-+80%-20%-25V
0.1uF-0402-Y5V-+80%-20%-25V
120ohm-1206-±25%
0.01uF-0402-X7R-±10%-50V
0.01uF-0402-X7R-±10%-50V
FCM1005KF-121T06(120ohm-500mA)
FCM1005KF-121T06(120ohm-500mA)
NC/0ohm-0402-±5%-1/16W
NC/10uF-0603-X5R-±20%-6.3V
0.1uF-0402-X5R-<20%-16V
10uF-0603-X5R-<20%-6.3V
0.1uF-0402-X5R-<20%-16V
1uF-0402-X5R-<20%-6.3V
10uF-0603-X5R-<20%-6.3V
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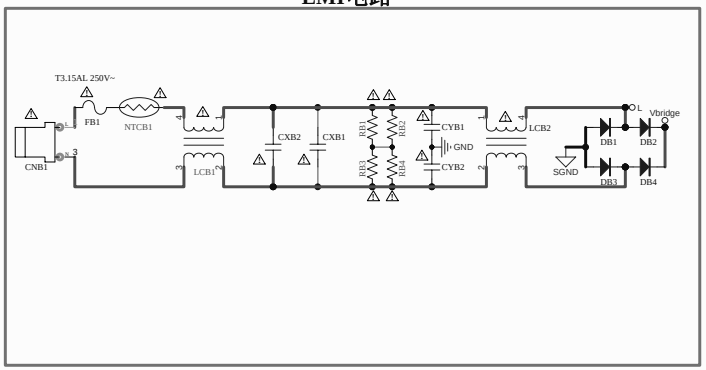
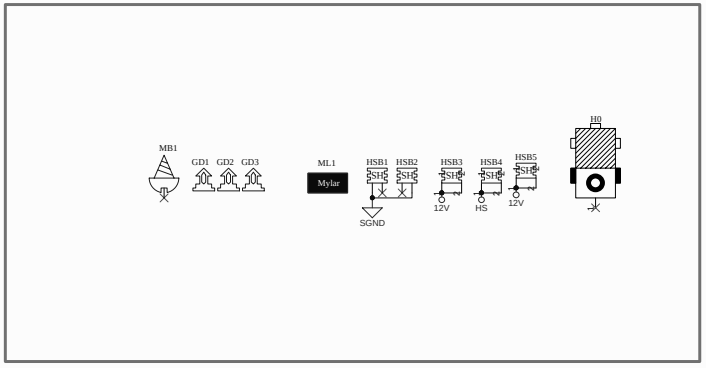
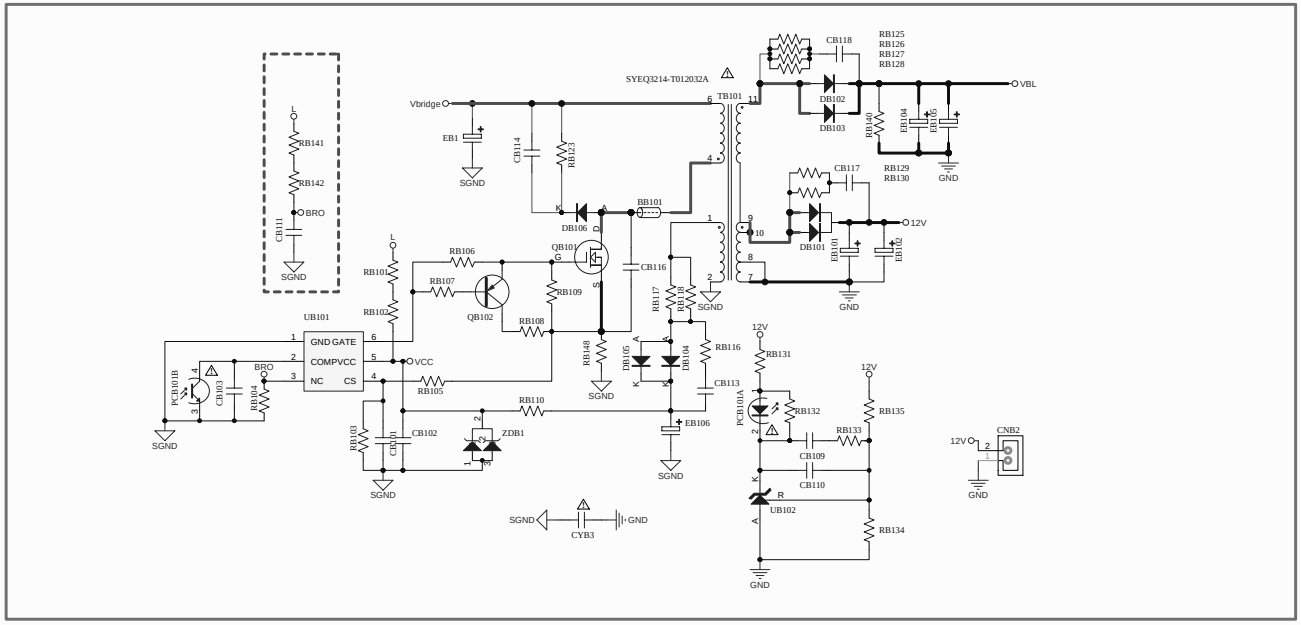
EMI电路



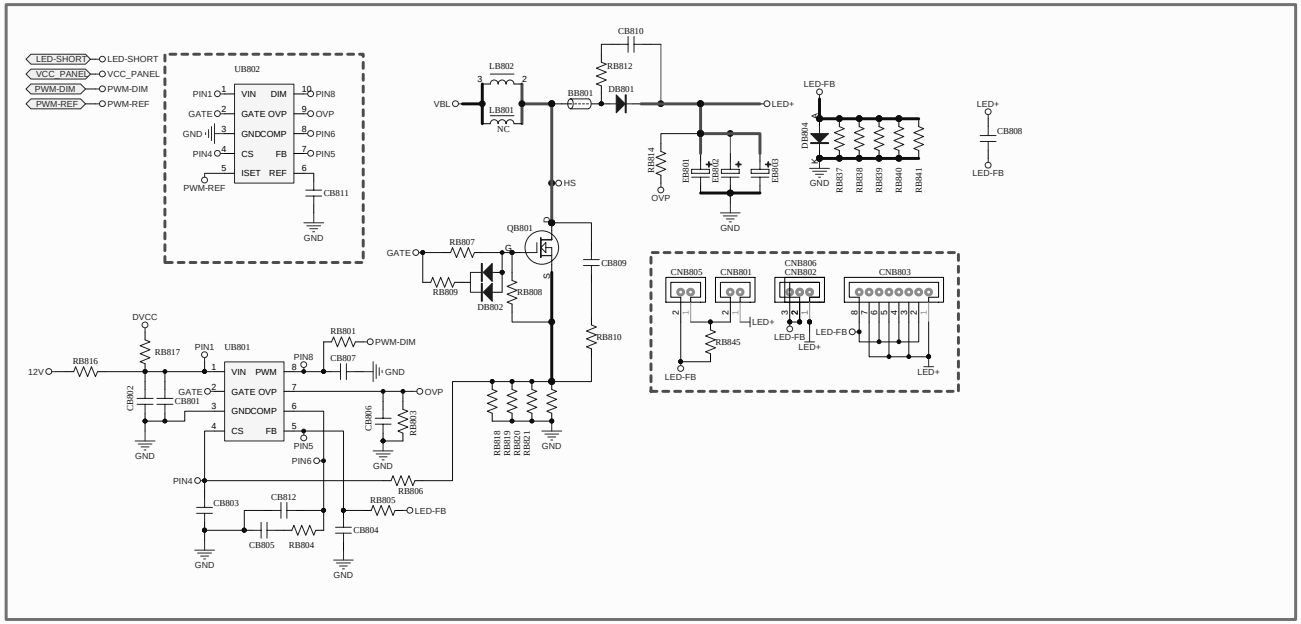
辅助材料



反激电路



恒流电路



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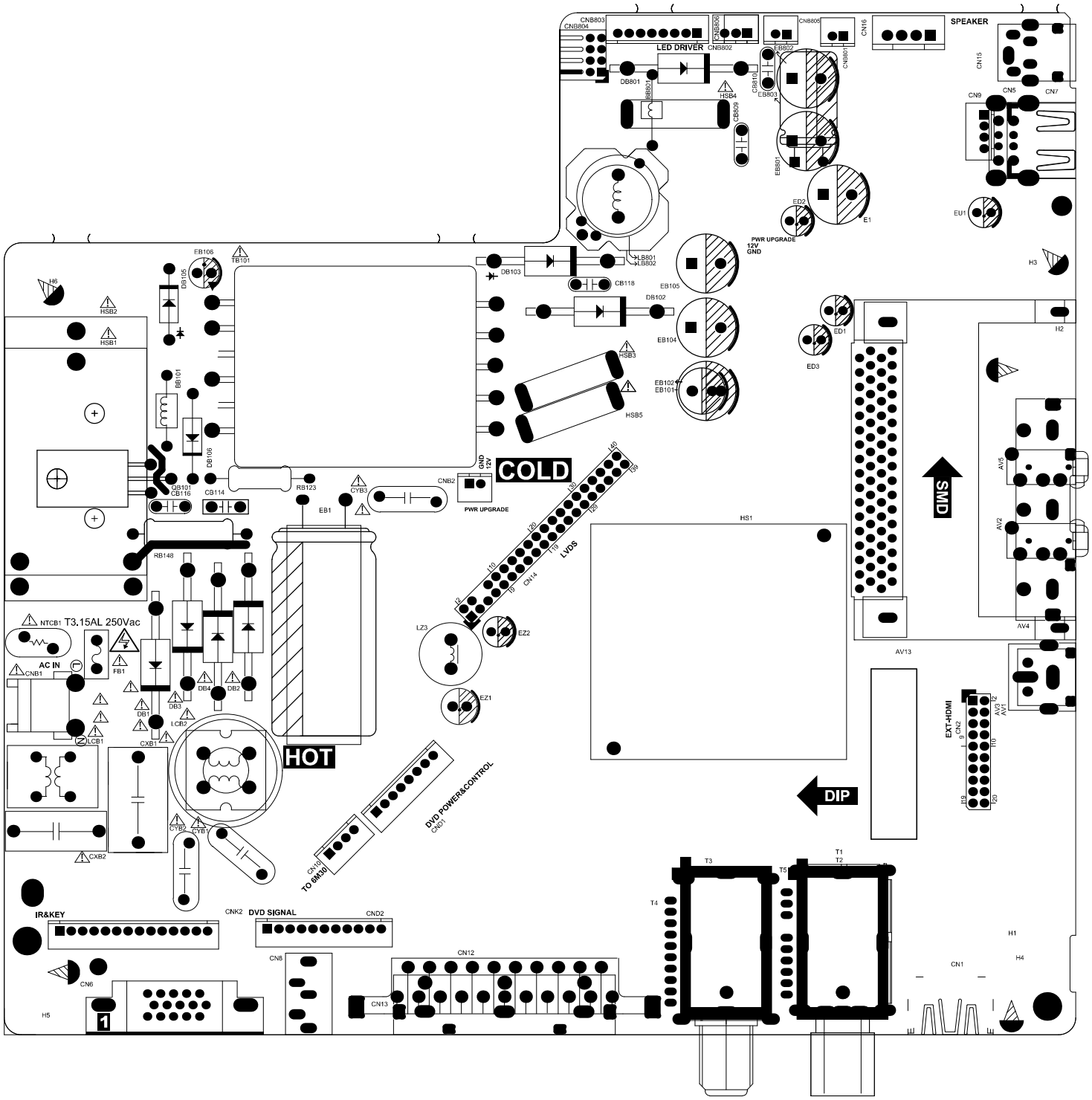
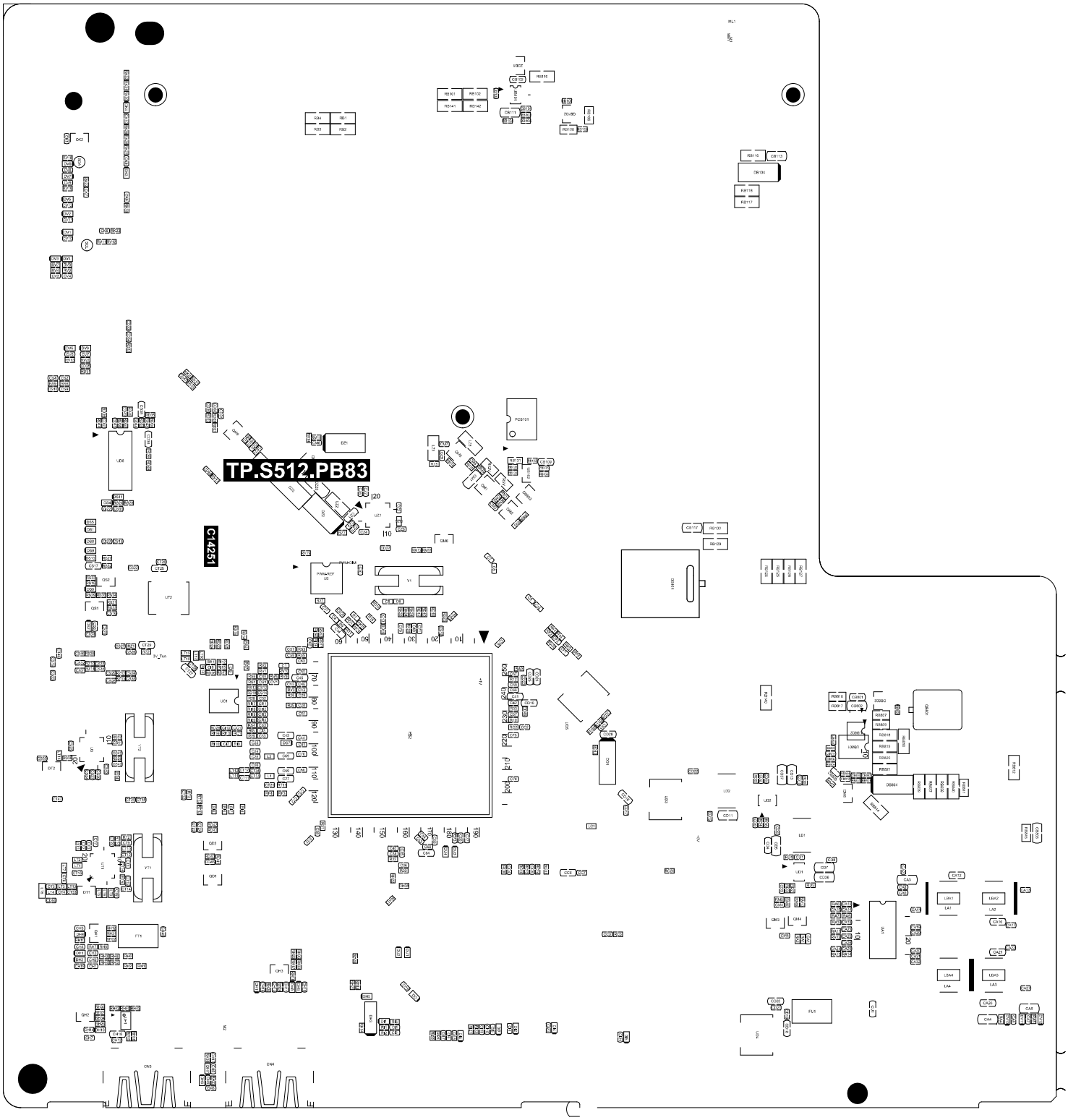
DRAWN:	Liao wu	DATE:	2014-2-13	CVTE Dream-Future
CHK'D:		DATE:		



SPEAKER
LED DRIVER
PWR UPGRADE
12V
GND
COLD
HOT
SMD
DIP
LVDS
T3.15AL 250Vac
AC IN
EXT-HDMI
DVD POWER&CONTROL
TO 6M30
IR&KEY
DVD SIGNAL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C14251