

野火_XC7A35T/100T/200T底板_原理图_V1.0

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Title 野火_XC7A35T底板_原理图

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历史版本

版本号	日期	设计	描述
V1.0	2020-09-29	xgh	初始版本
V1.0	2021-03-04	xgh	整理对外发布，稳定版

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 野火_XC7A35T底板_原理图

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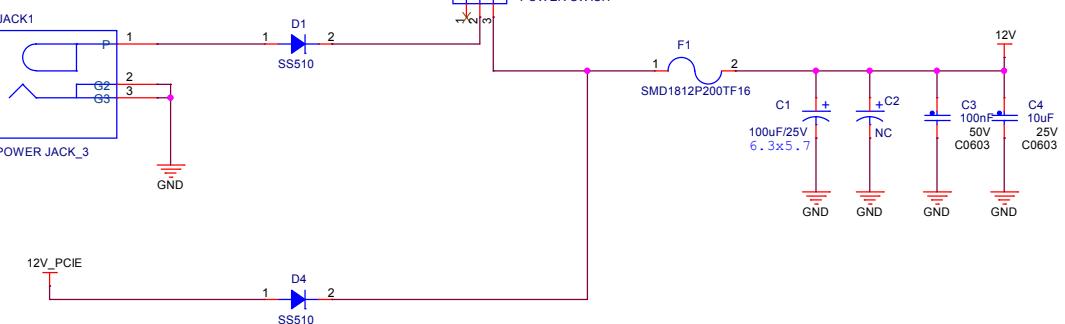
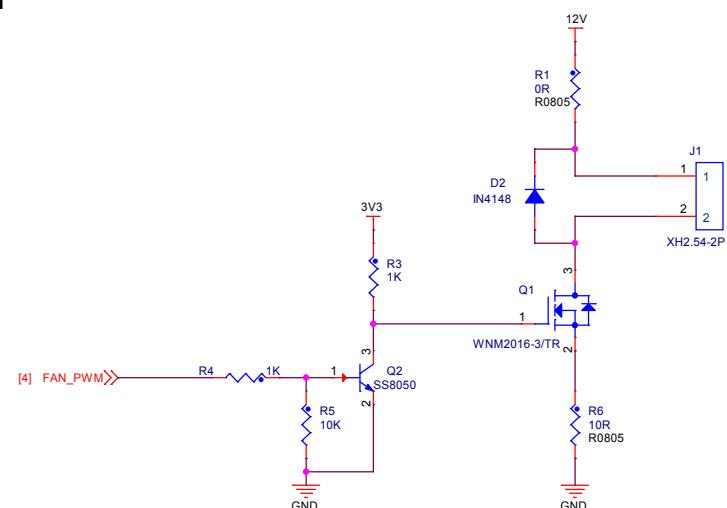
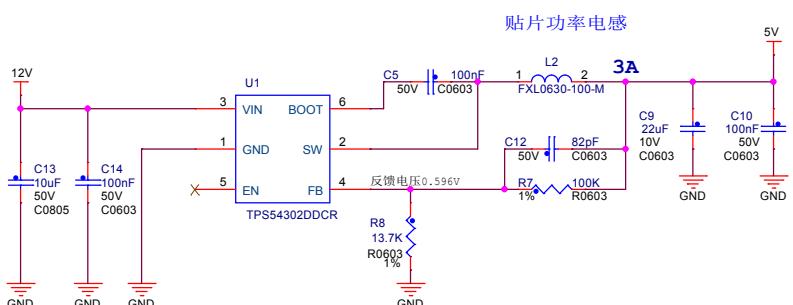
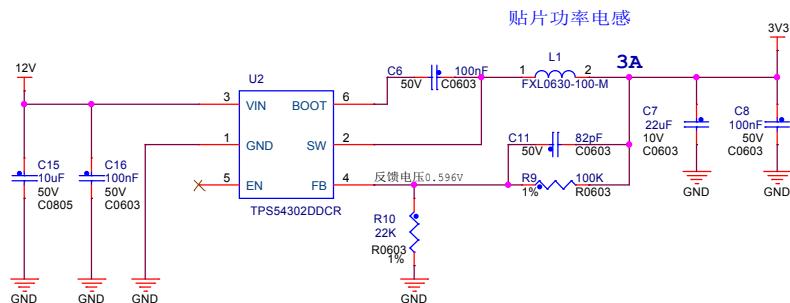
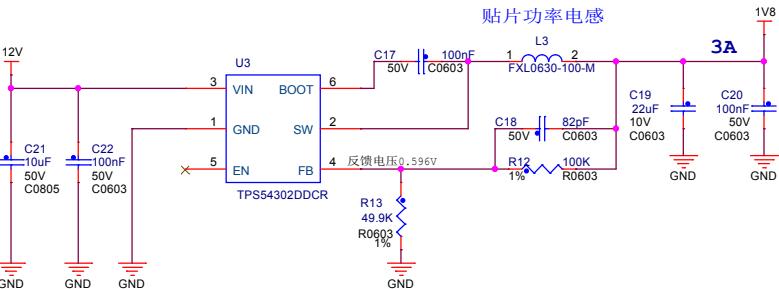
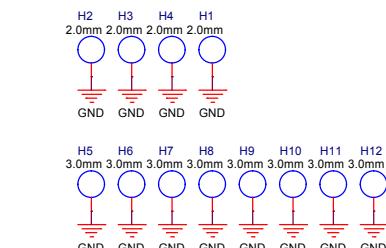
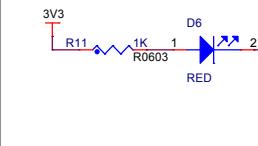
5

4

3

2

1

POWER_IN**FAN****12V转5V****12V转3.3V****12V转1.8V****定位孔****POWER_LED**

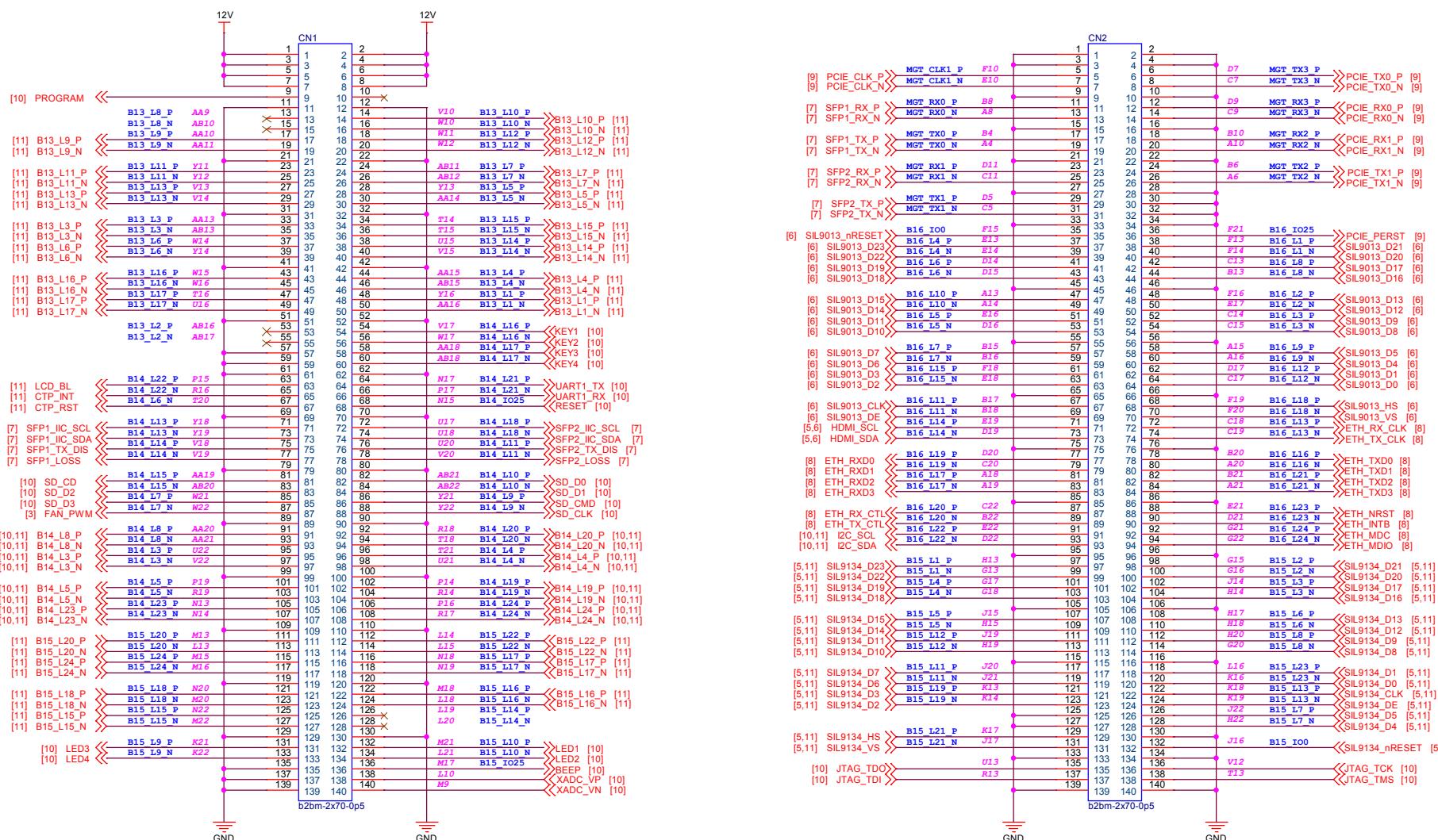
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Title 野火_XC7A35T底板_原理图

Size A3	Document Number 电源	Rev V1.0
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BTB连接器

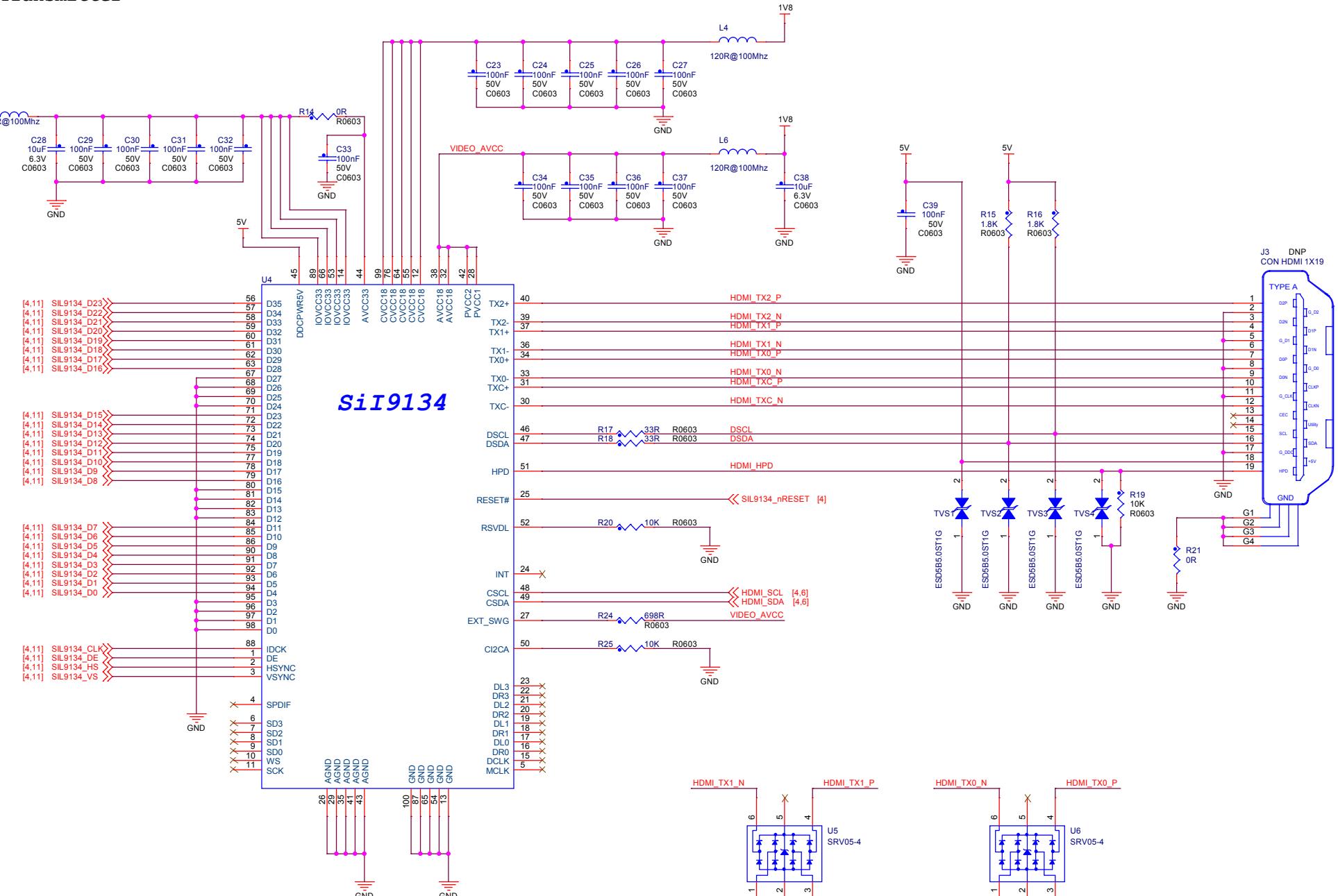


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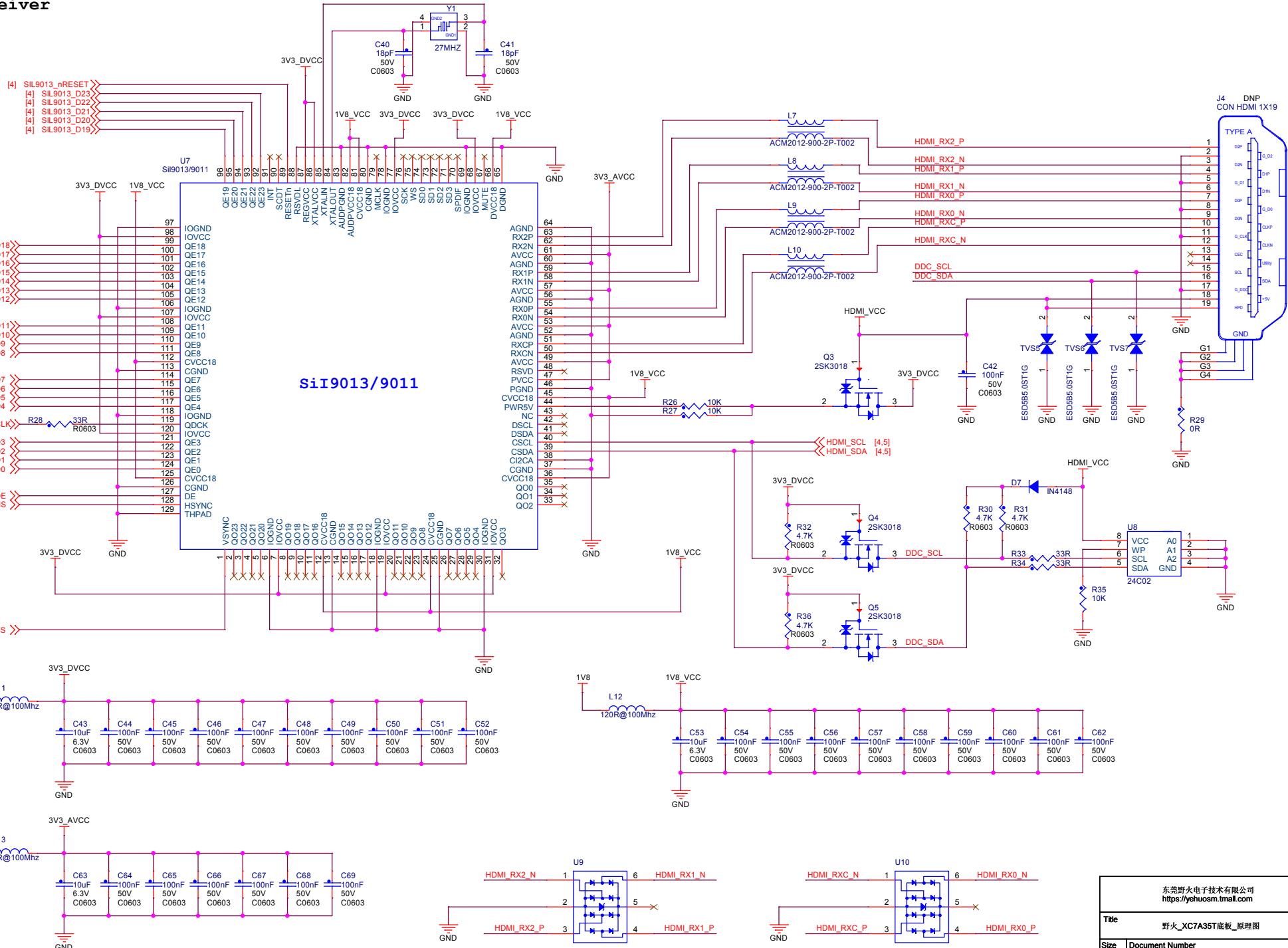
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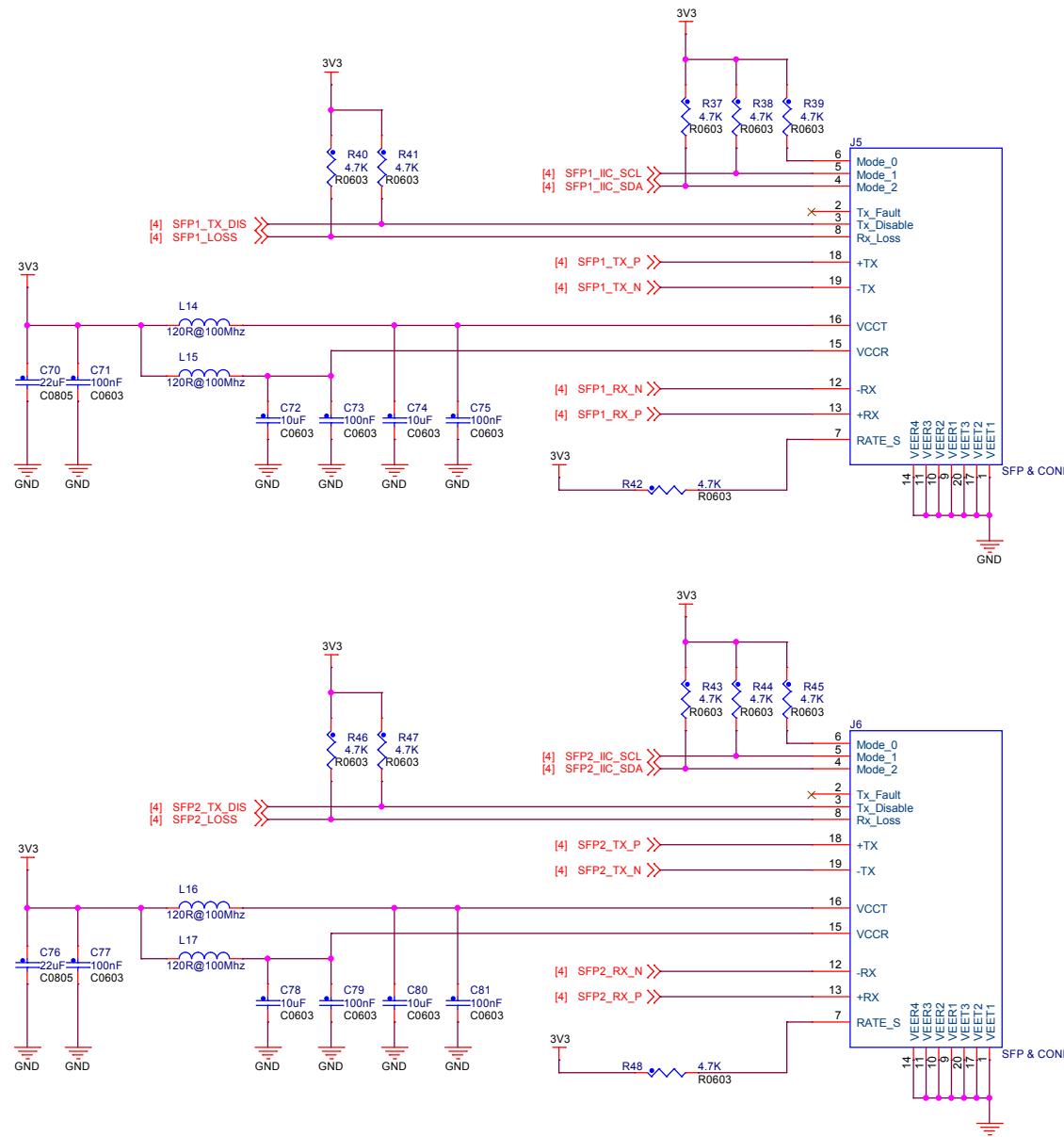
Size A3 Document Number BTB连接器 Rev V1.0
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HDMI Transmitter



HDMI Receiver





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以太网

TXC / RXC : delays 2ns
PHY Address : 001

[4] ETH_RXD0
[4] ETH_RXD1
[4] ETH_RXD2
[4] ETH_RXD3
[4] ETH_RX_CLK
[4] ETH_RX_CTL

3V3_DVDD

R49 4.7K
R50 4.7K
R51 4.7K
R0603

R50 4.7K
R51 4.7K
R52 22R
R53 22R
R54 22R
R55 20R
R56 20R

R57 4.7K
R58 4.7K
R59 4.7K
R0603

RXCTL

RXD0
RXD1
RXD2
RXD3
RXC
RXCTL

25
24
23
22
27
26

TXD0
TXD1
TXD2
TXD3
TXC
TXCTL

18
17
16
15
19
20

MDC
MDIO
INTB

13
14
31

CLKOUT

XTAL_OUT

XTAL_IN

37
36

PHYRSTB

RTL8211F

3V3_DVDD

C82 100nF
C83 100nF

6.3V
C0603

6.3V
C0603

GND

L:<200mils
W:>40mils

3V3_AVDD

R60 2.49K
R0603

GND

3V3_DVDD

GND

DVDD_RG
RSET
AVDD33
AVDD33_1
DVDD33
DVDD10
AVDD10
AVDD10_1
AVDD10_2
REG_OUT
GND

28
39
40
11
29
21
38
8
3
30
41

1V05_DVDD
1V05_AVDD
L18
1
4.7uH

1V05

C84 100nF
C85 22uF

6.3V
C0603

6.3V
C0603

GND

L:<200mils
W:>60mils

1V05

C84 100nF
C85 22uF

6.3V
C0603

6.3V
C0603

GND

J7

TD1+
MDIP0
MDIN0
P0
N0

TD1-
MDIP1
MDIN1
P1
N1

TD2+
MDIP2
MDIN2
P2
N2

TD2-
MDIP3
MDIN3
P3
N3

ETH_LED2

ETH_LED1

CHS

SH
CT

HY911130A

R66 510R
R0603

R67 510R
R0603

GND

GND

GND

1V05_DVDD

1V05

1V05_AVDD

3V3_DVDD

3V3_AVDD

3V3

3V3

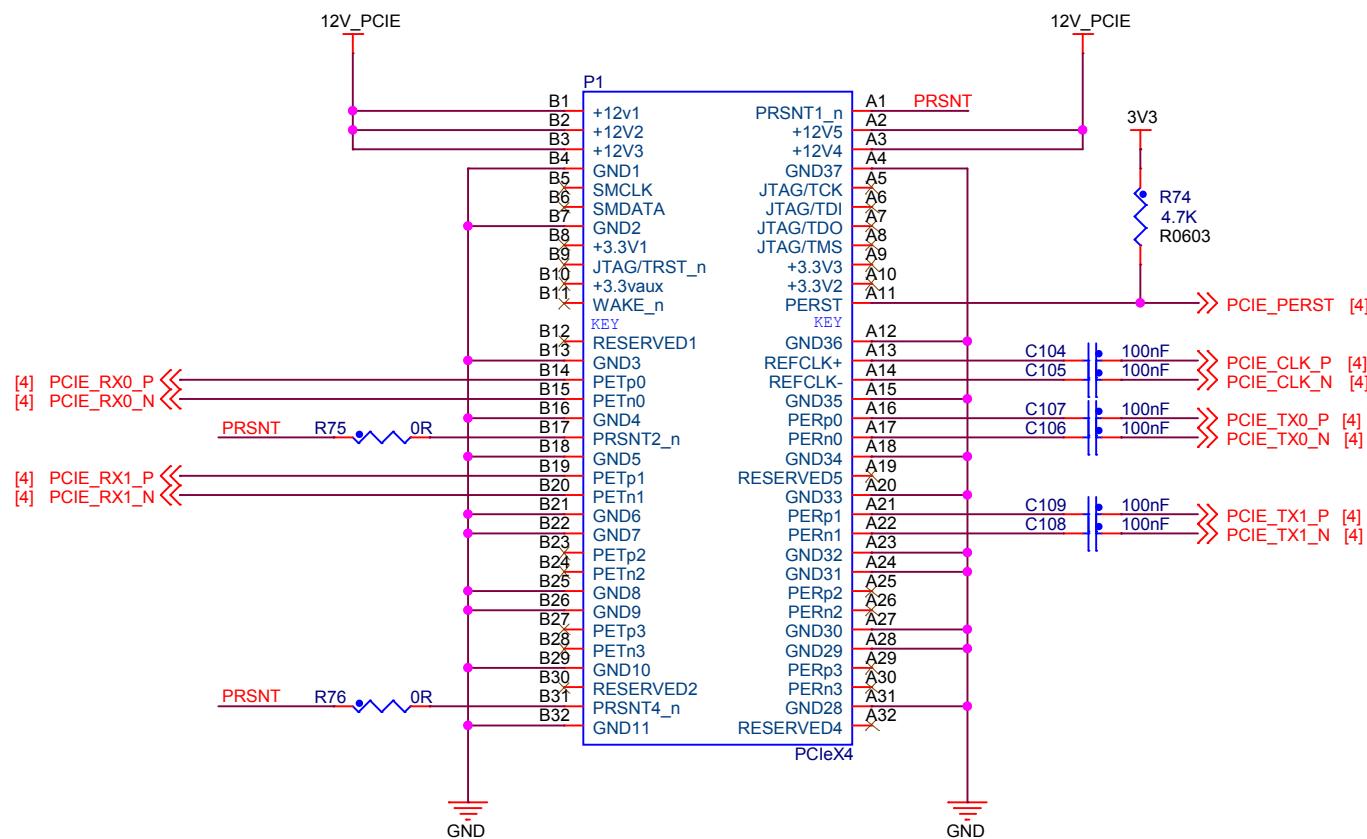
L19
120R@100Mhz

3V3

L20
120R@100Mhz

3V3

PCIE

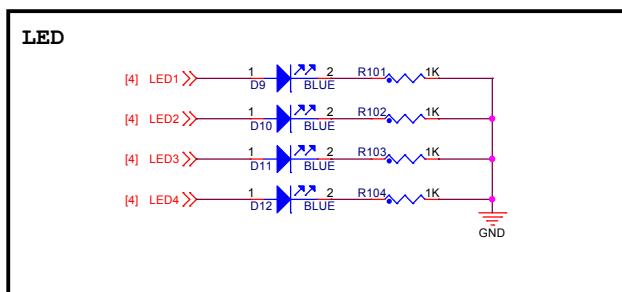
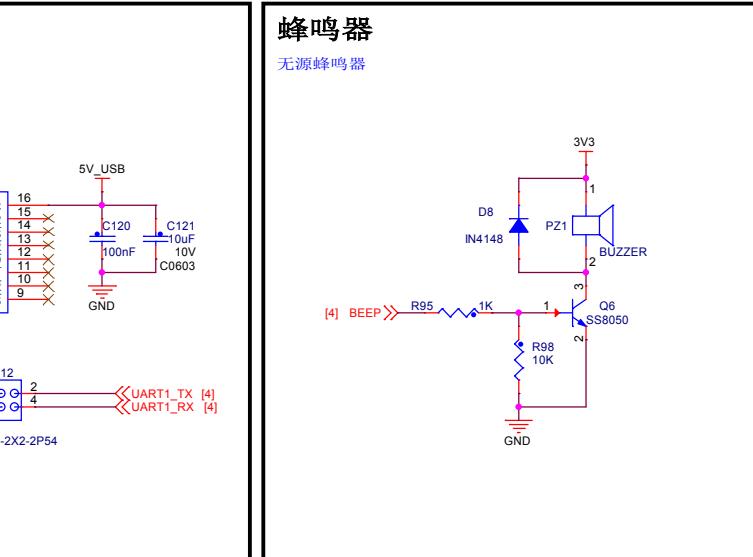
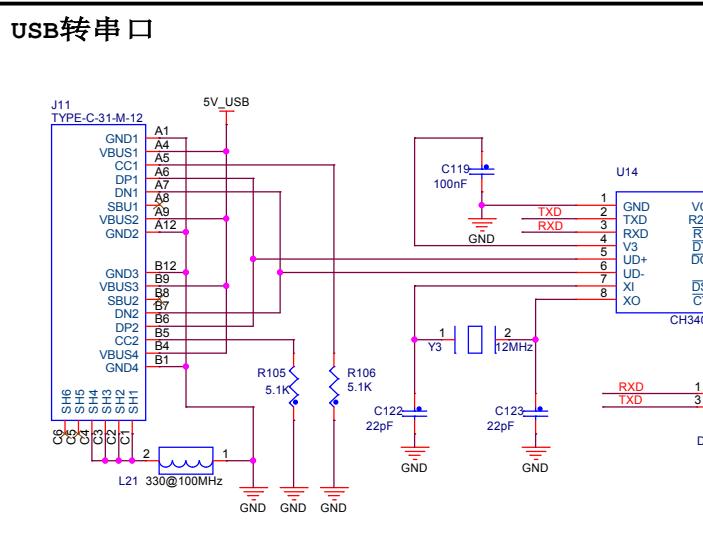
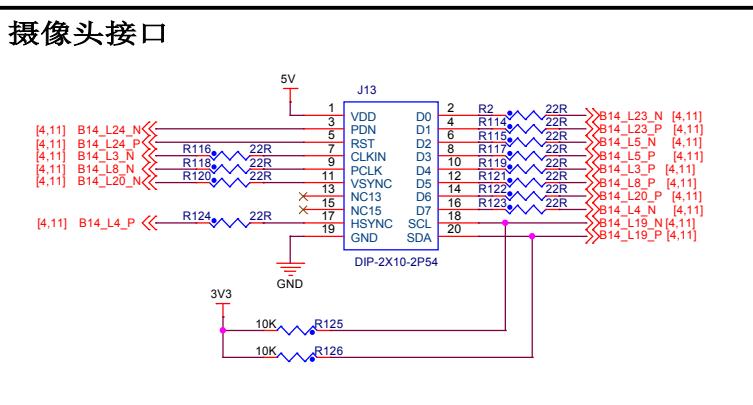
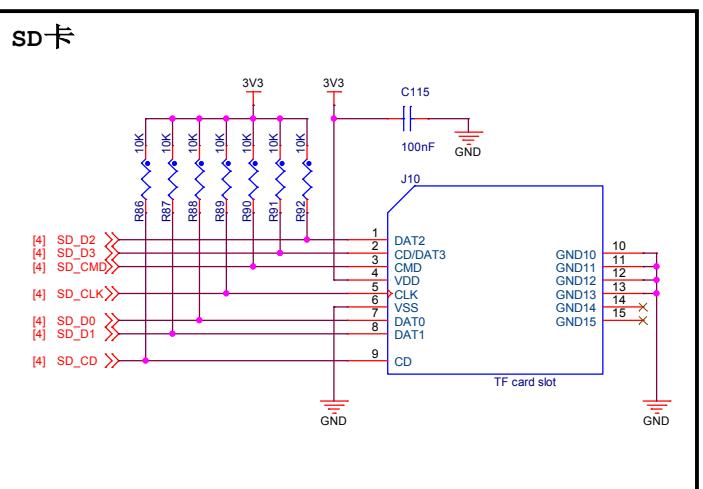
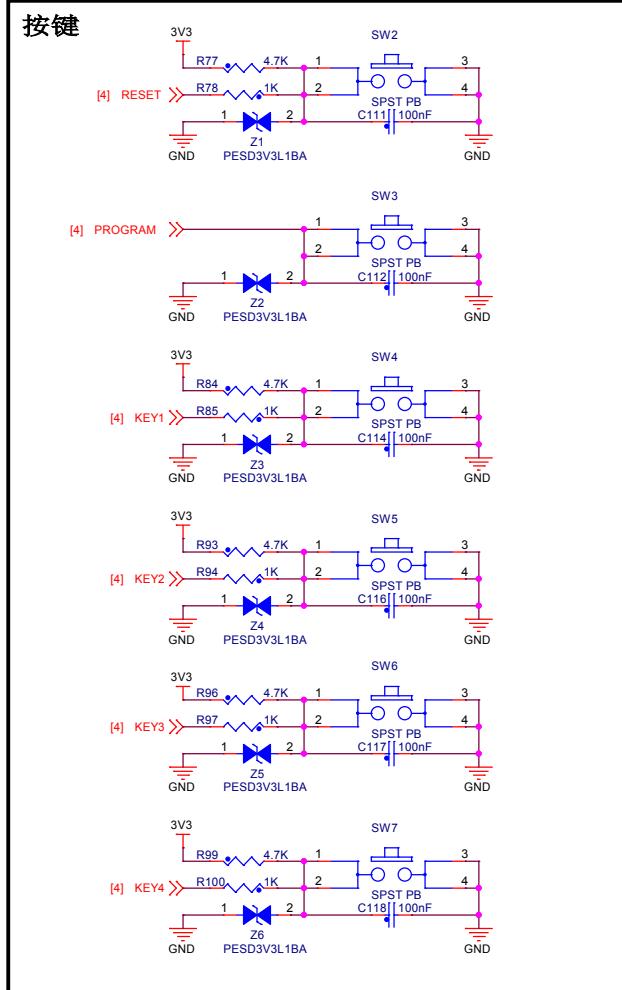
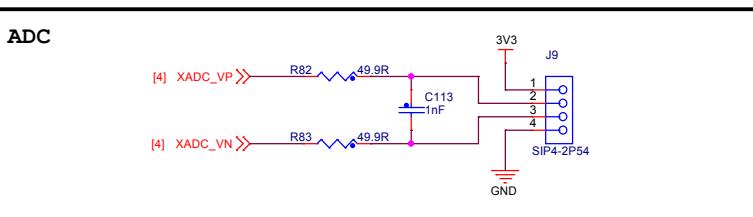
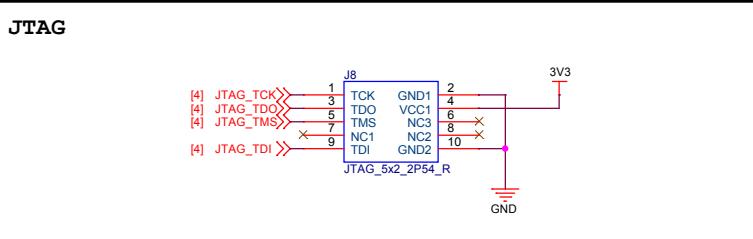
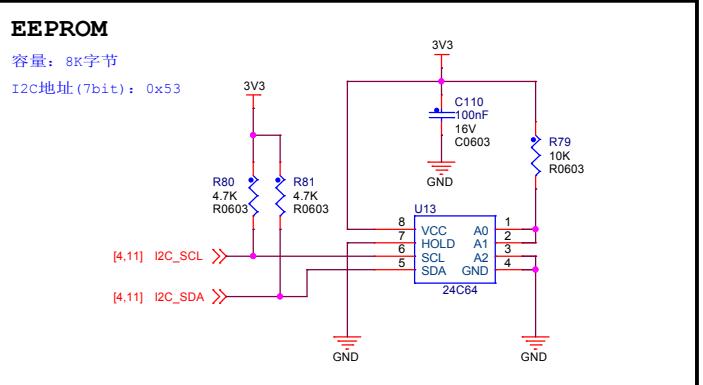


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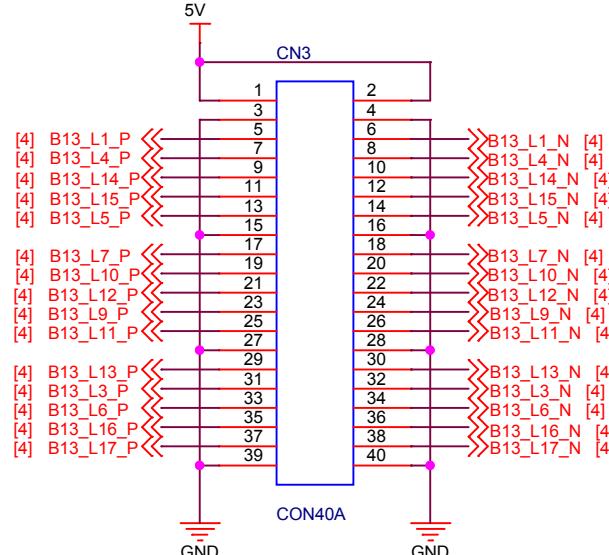
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Size	Document Number	Rev
A4	PCIE	V1.0

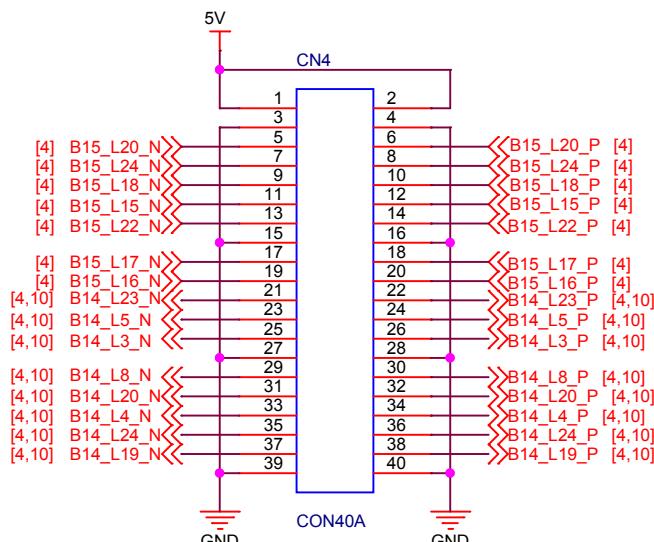
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引出IO

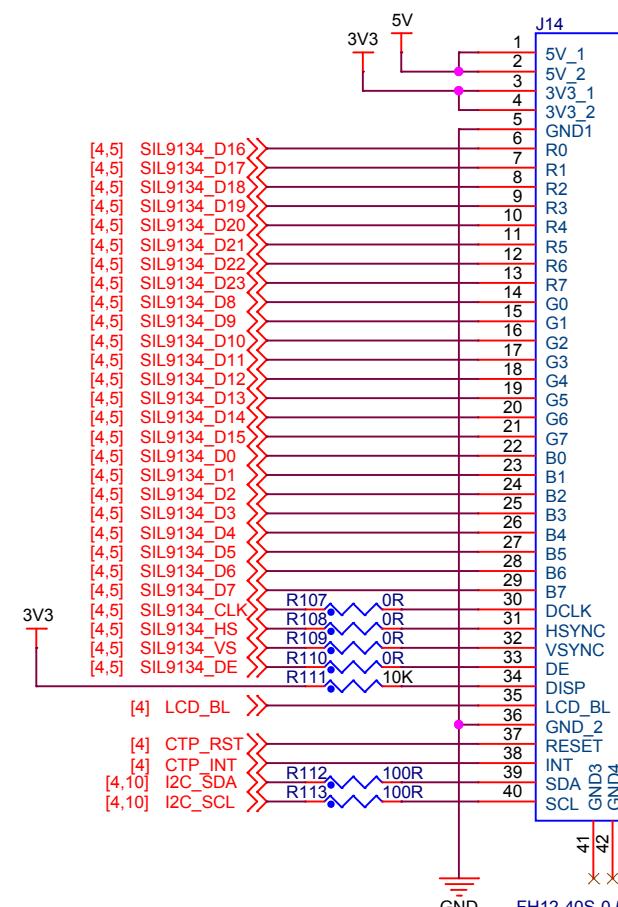


XC7A35T无BANK13
XC7A100T/XC7A200T有BANK13



用于连接AD/DA、USB、双目摄像头等模块

LCD RGB888



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