

野火_XC7A35T/100T/200T MINI_原理图_V1.0

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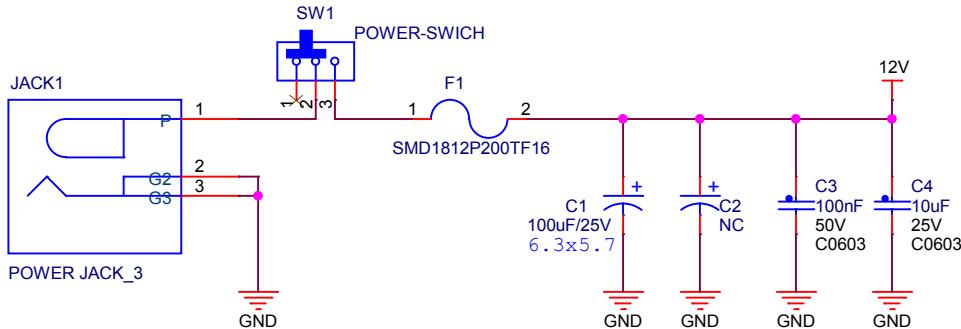
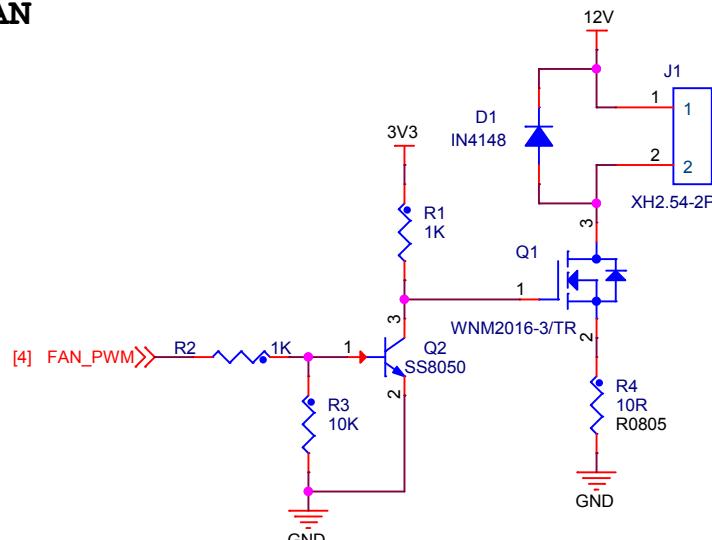
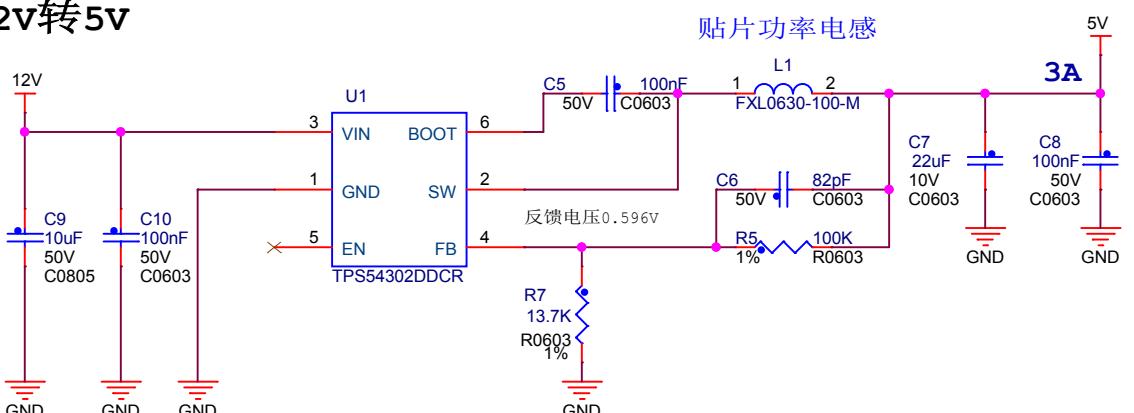
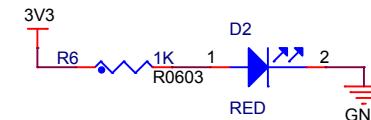
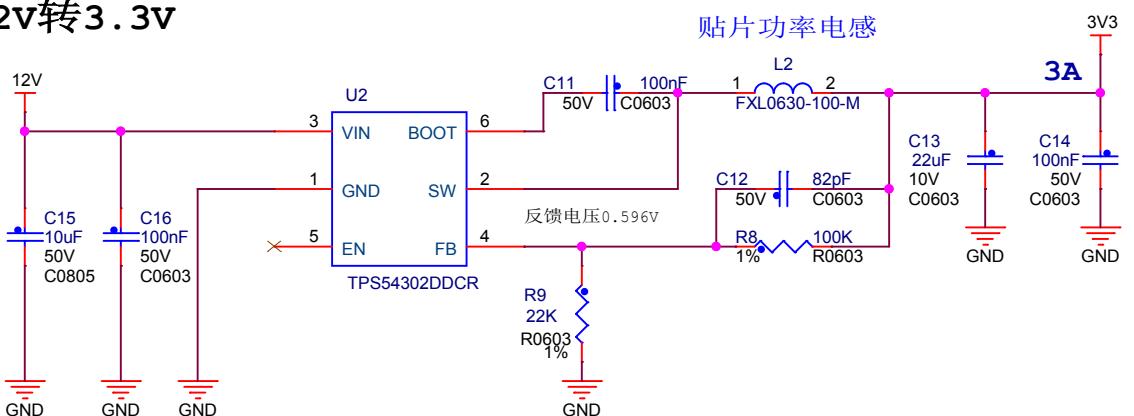
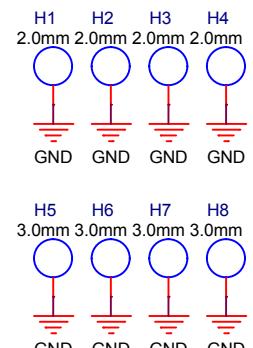
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历史版本

版本号	日期	设计	描述
V1.0	2020-12-07	xgh	初始版本
V1.0	2021-03-04	xgh	整理对外发布，稳定版

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

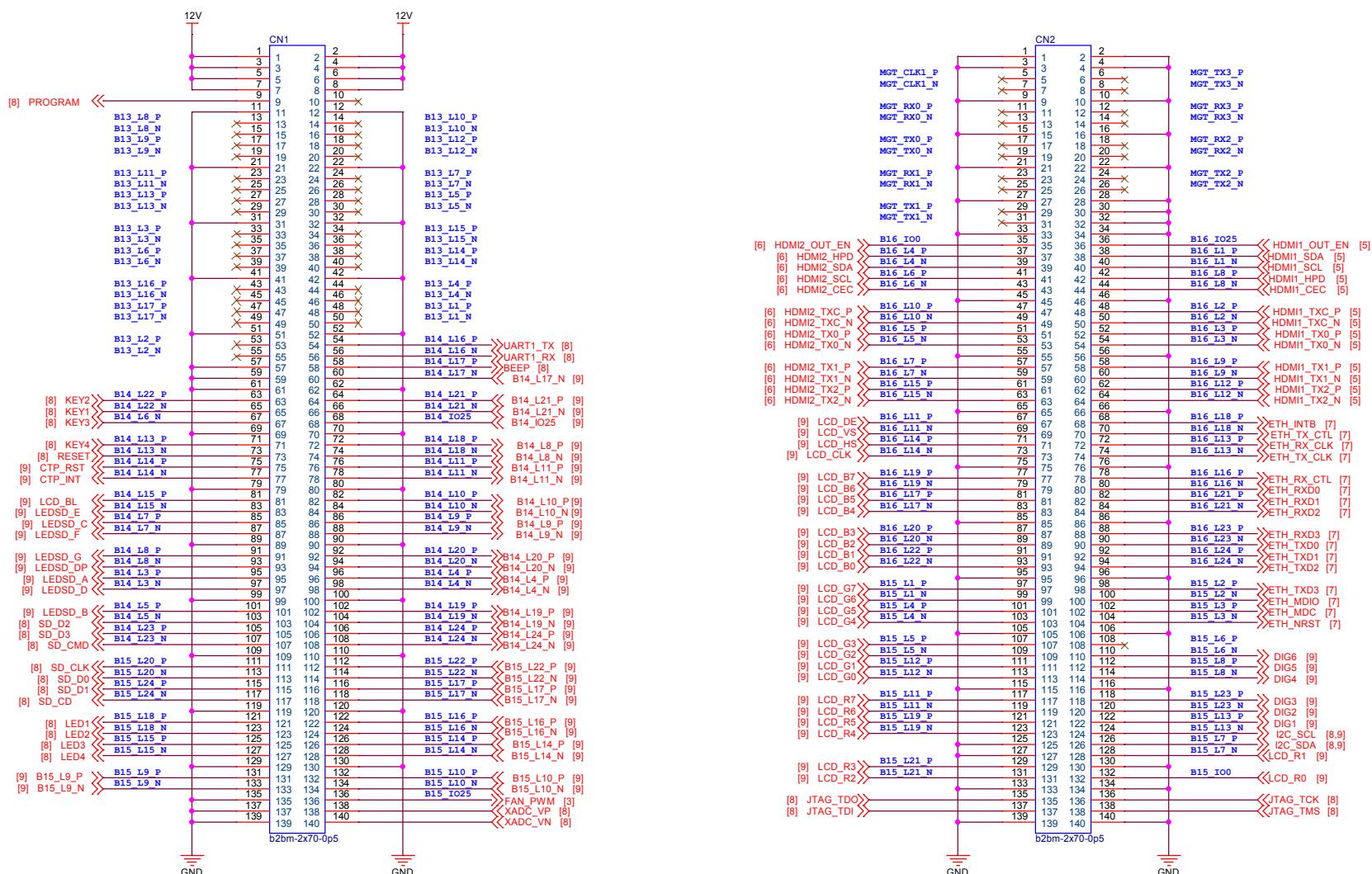
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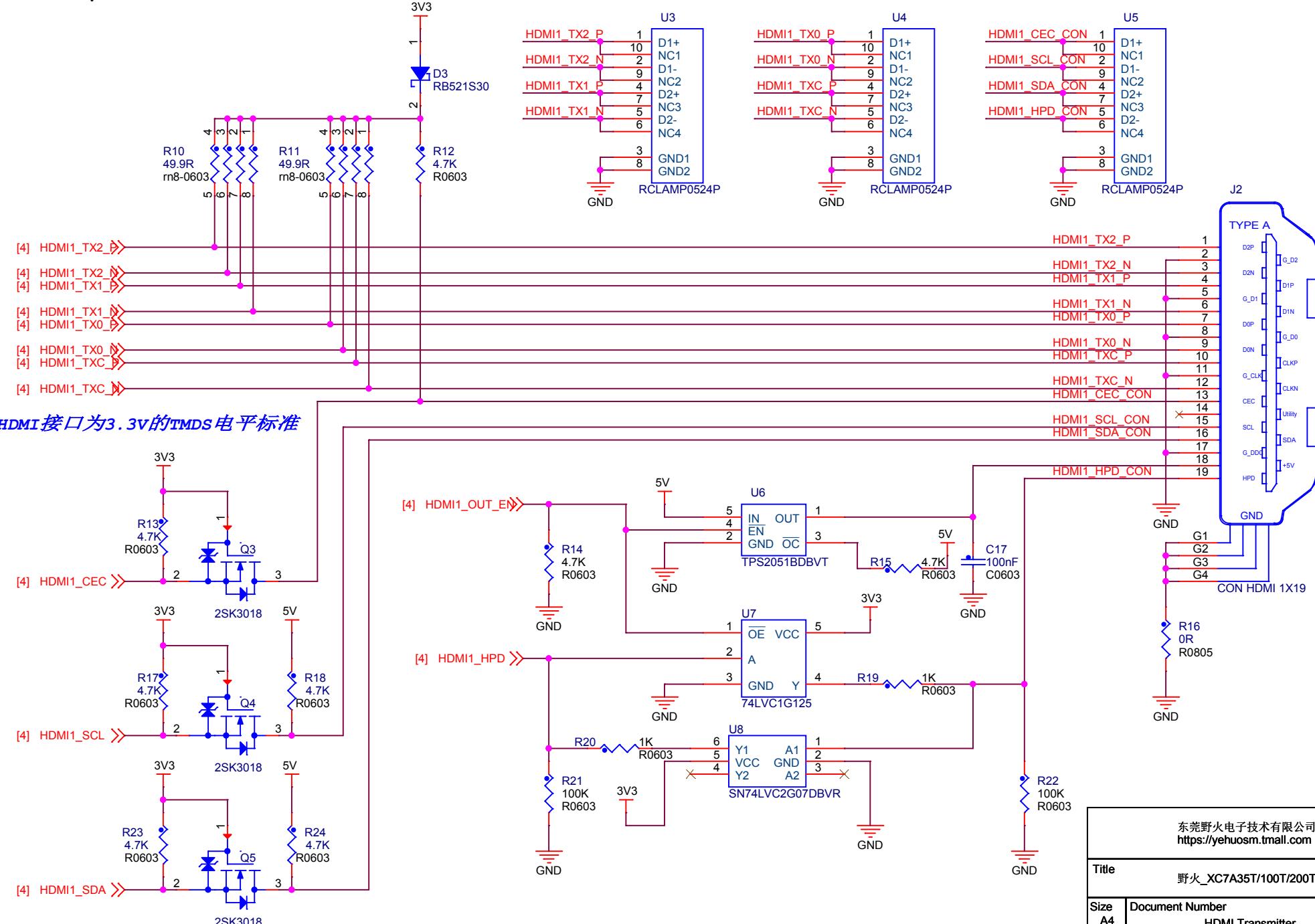
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BTB连接器



HDMI T/R 1



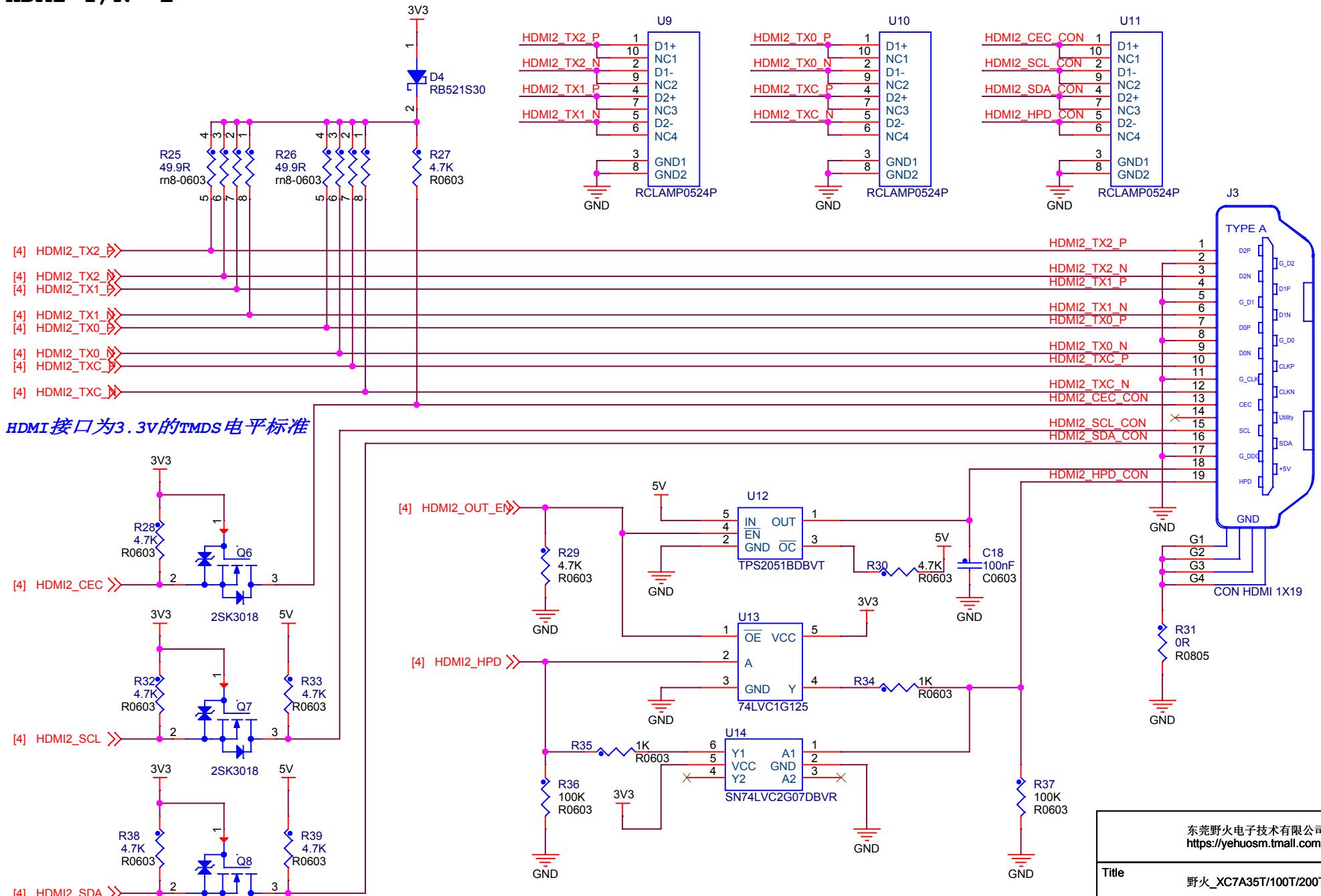
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HDMI T/R 2



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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

R40
4.7K
R0603
R41
4.7K
R0603
R42
4.7K
R0603

R43
22R
R44
22R
R52
22R
R45
22R
R46
20R
R47
20R

RXD0
RXD1
RXD2
RXD3
RXC
RXCTL

25
24
23
22
27
26

R48
4.7K
R0603
R49
4.7K
R0603
R50
4.7K
R0603

ETH_TXD0
ETH_TXD1
ETH_TXD2
ETH_TXD3
ETH_TX_CTL
ETH_TX_CLK

TXD0
TXD1
TXD2
TXD3
TXCTL
TxC

18
17
16
15
19
20

R53
1.5K
R0603
R54
1.5K
R0603
R55
1.5K
R0603

GND

MDC
MDIO
INTB

13
14
31

[4] ETH_MDC
[4] ETH_MDIO
[4] ETH_INTB

R56
0R
R0603

CLKOUT

35

C23
18pF
6.3V
C0603

Y1
25MHZ

3V3_DVDD

XTAL_OUT

C24
18pF
6.3V
C0603

GND2
GND

36

[4] ETH_NRST

12

PHYRSTB

RTL8211F

U15

DVDD_RG
RSET
AVDD33
AVDD33_1
DVDD33
DVDD10
AVDD10
AVDD10_1
AVDD10_2
REG_OUT
GND
MDIP0
MDIN0
MDIP1
MDIN1
MDIP2
MDIN2
MDIP3
MDIN3
LED0
LED1
LED2

RXD0
RXD1
RXD2
RXD3
RXC
RXCTL

25
24
23
22
27
26

39
11
40
11
29
21
38
8
3
30
1
2
41

3V3_AVDD
3V3_DVDD
1V05_DVDD
1V05_AVDD
1V05_DVDD
1V05_AVDD
L: <200mils
W: >60mils
L: <200mils
W: >40mils

C19
100nF
6.3V
C0603
C20
100nF
6.3V
C0603
GND
GND

3V3_DVDD

1V05

C21
100nF
6.3V
C0603
C22
4.7uF
6.3V
C0603
GND

GND

MDIP0
MDIN0
MDIP1
MDIN1
MDIP2
MDIN2
MDIP3
MDIN3

P0
N0
P1
N1
P2
N2
P3
N3

11
12
14
13
10
15
16
1
32
33
34
35
36
37

TD1+
TD1-
RD1+
RD1-
TD2+
TD2-
RD2+
RD2-

GRLA
GRLC
YELA
YELC
CHS
SH
SH1

11
12
14
13
10
15
16
1
32
33
34
35
36
37

ETH_LED2
ETH_LED1
ETH_LED1
HY911130A
CT

R57
510R
R0603

R58
510R
R0603

LED0
LED1
LED2

32
33
34
35
36
37

3V3_DVDD

R60
4.7K
R0603
R61
4.7K
R0603
R62
4.7K
R0603

GND
GND
GND

C25
100nF
50V
C0603

GND
GND
GND

GND
GND
GND

GND
GND
GND

1V05_DVDD
1V05
1V05_AVDD

L4
120R@100MHz

3V3_DVDD

C30
100nF
6.3V
C0603
C31
100nF
6.3V
C0603

3V3_AVDD

L5
120R@100MHz

3V3

GND

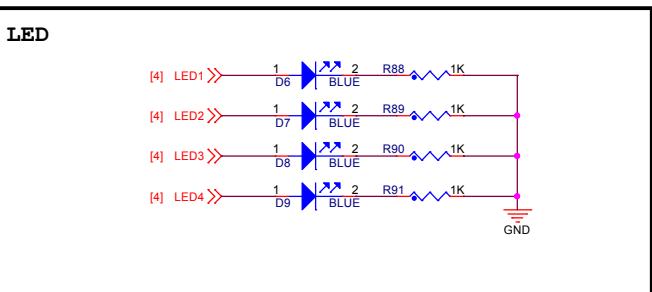
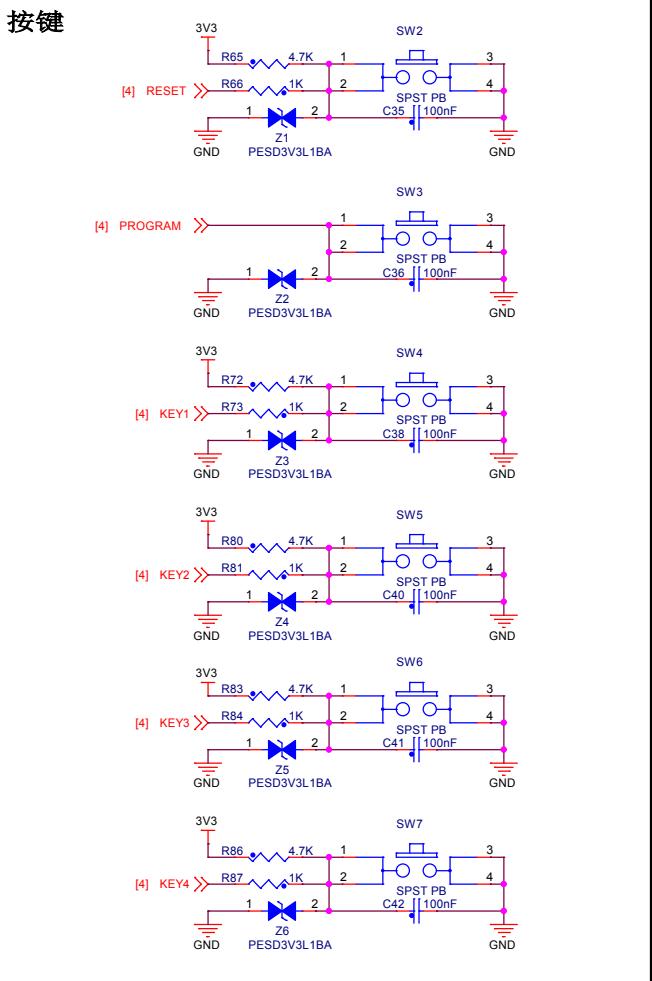
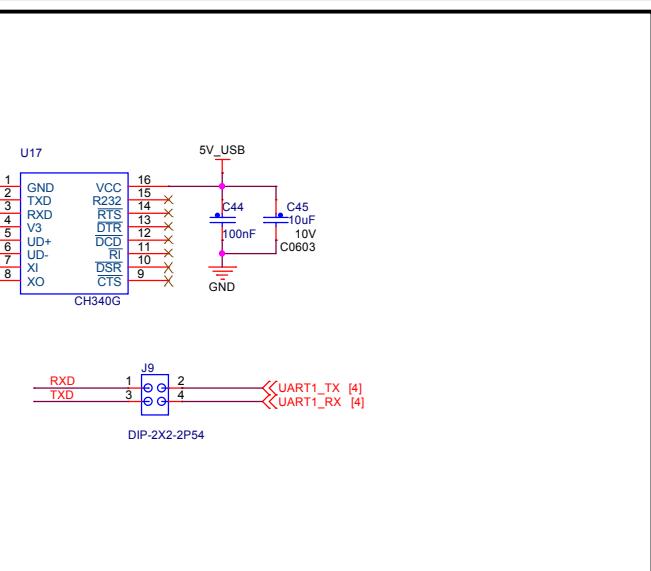
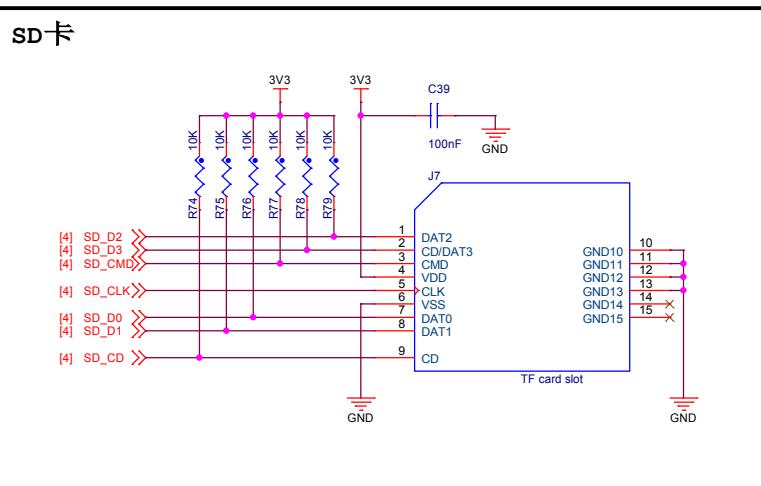
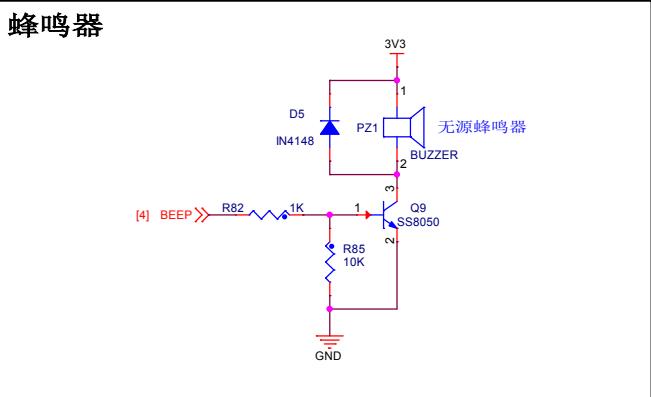
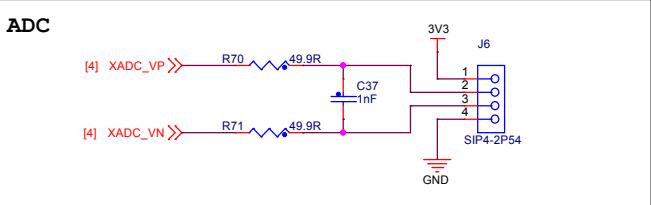
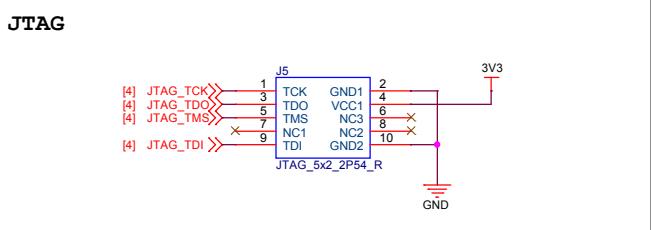
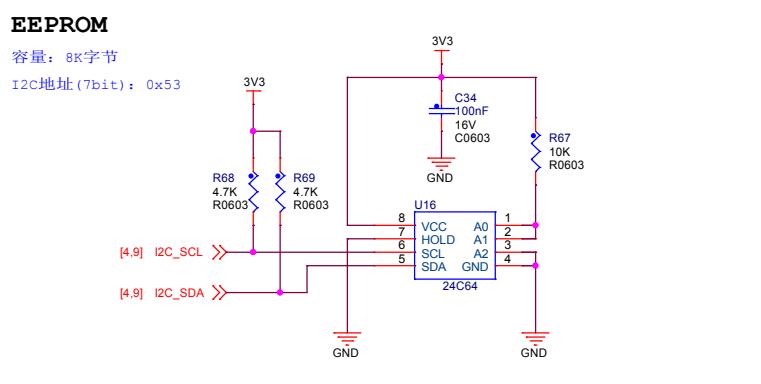
GND

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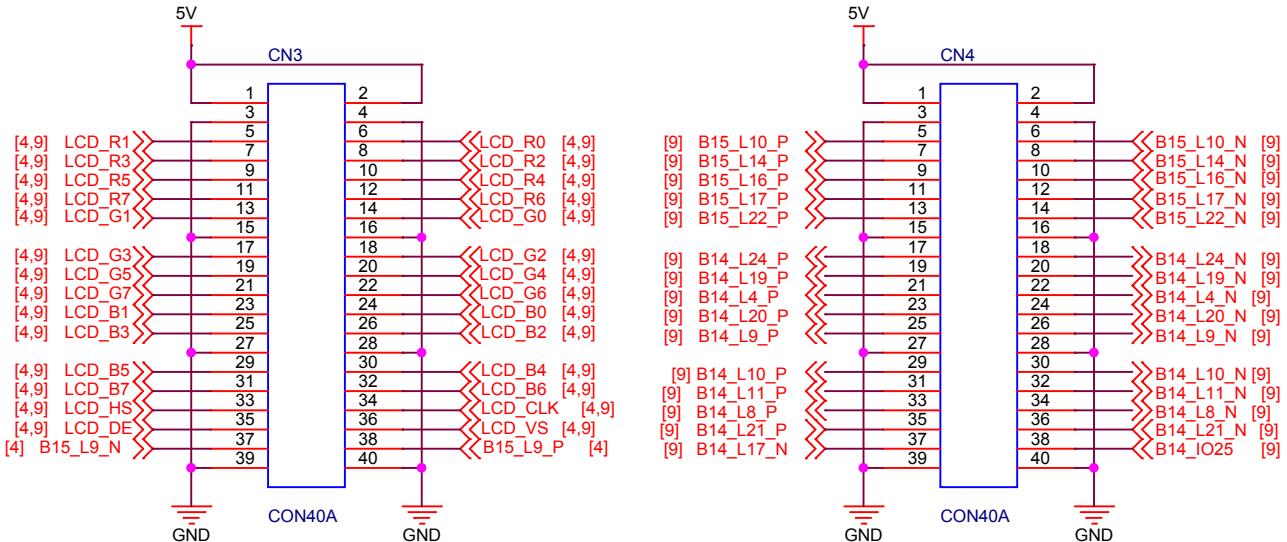
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引出IO

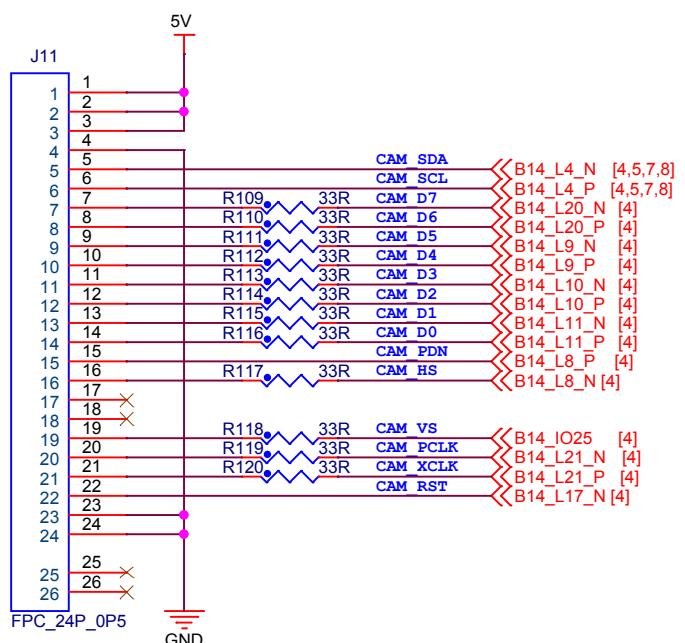


用于连接AD/DA、USB、双目摄像头等模块

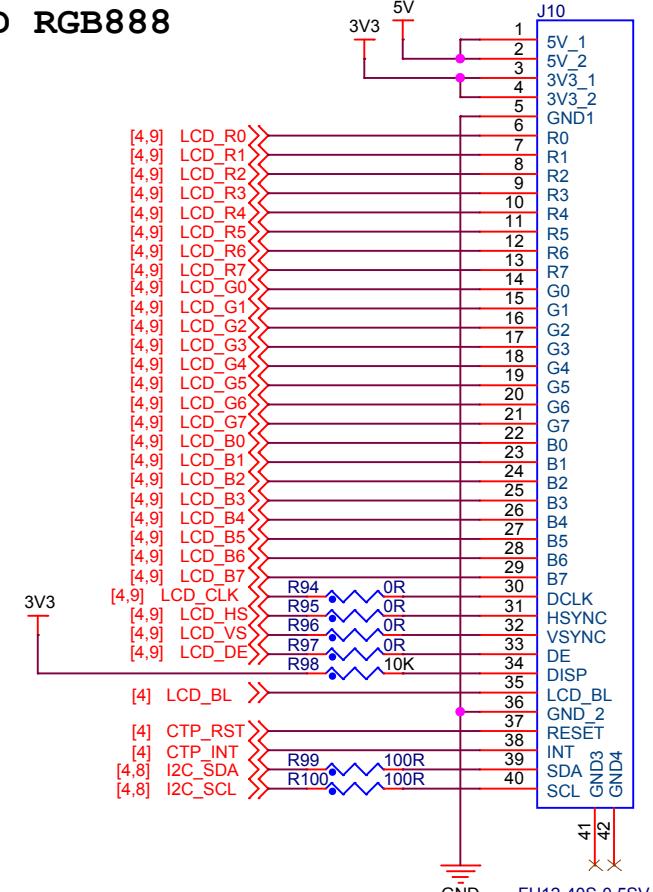
摄像头接口

OV5640 I_C地址(7bit): 0x3C

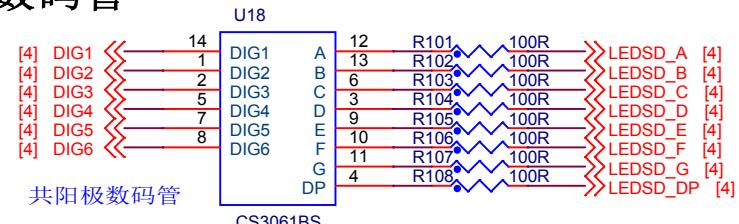
OV7725 I_C地址(7bit): 0x21



LCD RGB888



数码管



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Journal of Oral Rehabilitation 2007; 34: 103–109

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