

# 野火\_XC7A35T/100T/200T底板\_原理图\_V1.0

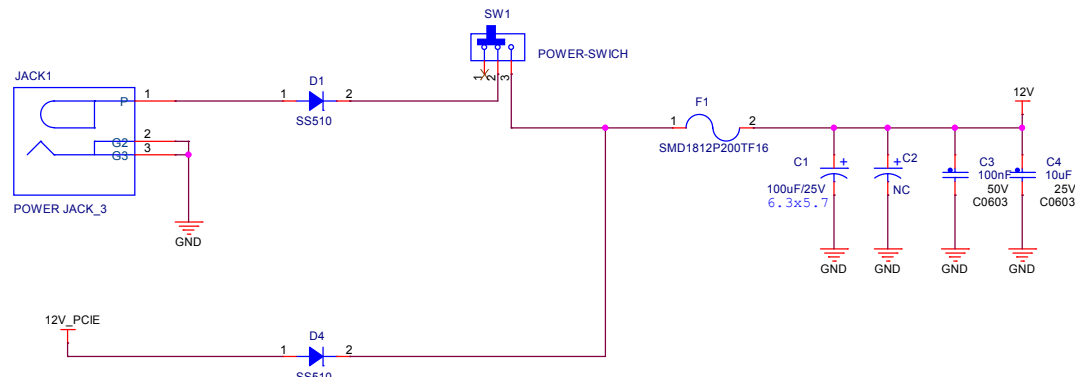
## 目录

Page 1	目录
Page 2	历史版本
Page 3	电源
Page 4	BTB连接器
Page 5	HDMI Transmitter
Page 6	HDMI Receiver
Page 7	SFP
Page 8	以太网
Page 9	PCIE
Page 10	按键/LED/SD卡/JTAG/串口
Page 11	LCD/摄像头
Page 12	
Page 13	

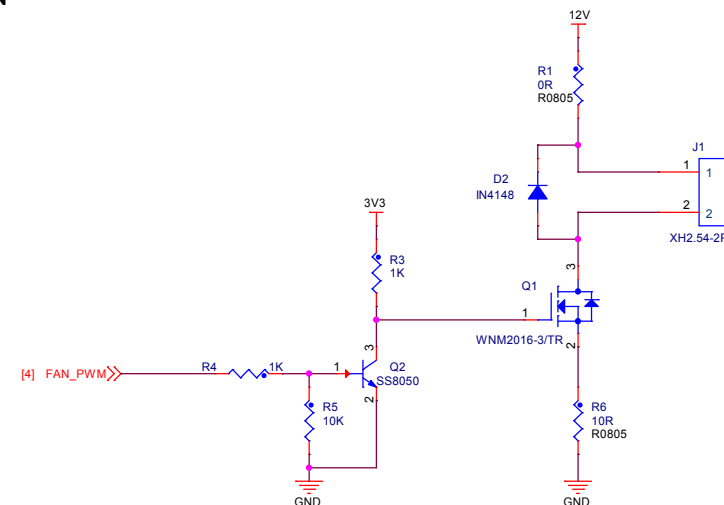
历史版本

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

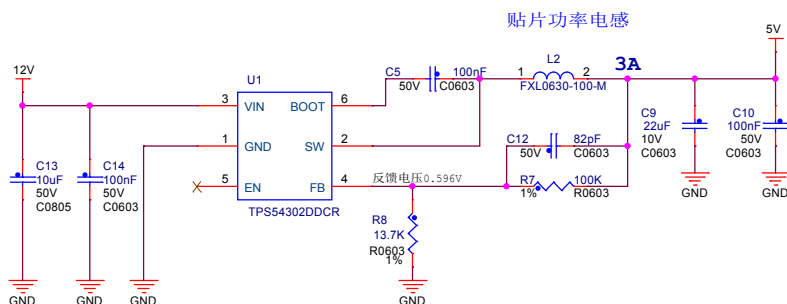
## POWER\_IN



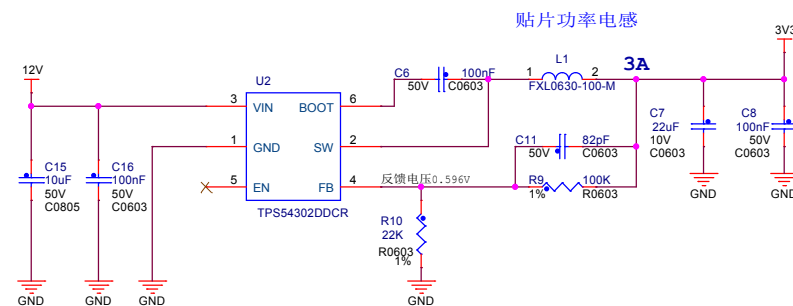
## FAN



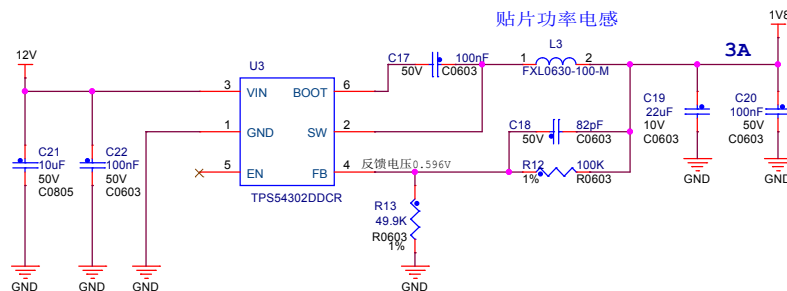
## 12v转5v



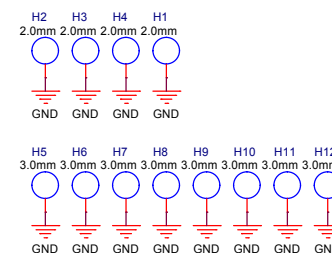
## 12v转3.3v



## 12v转1.8v



## 定位孔



## POWER\_LED



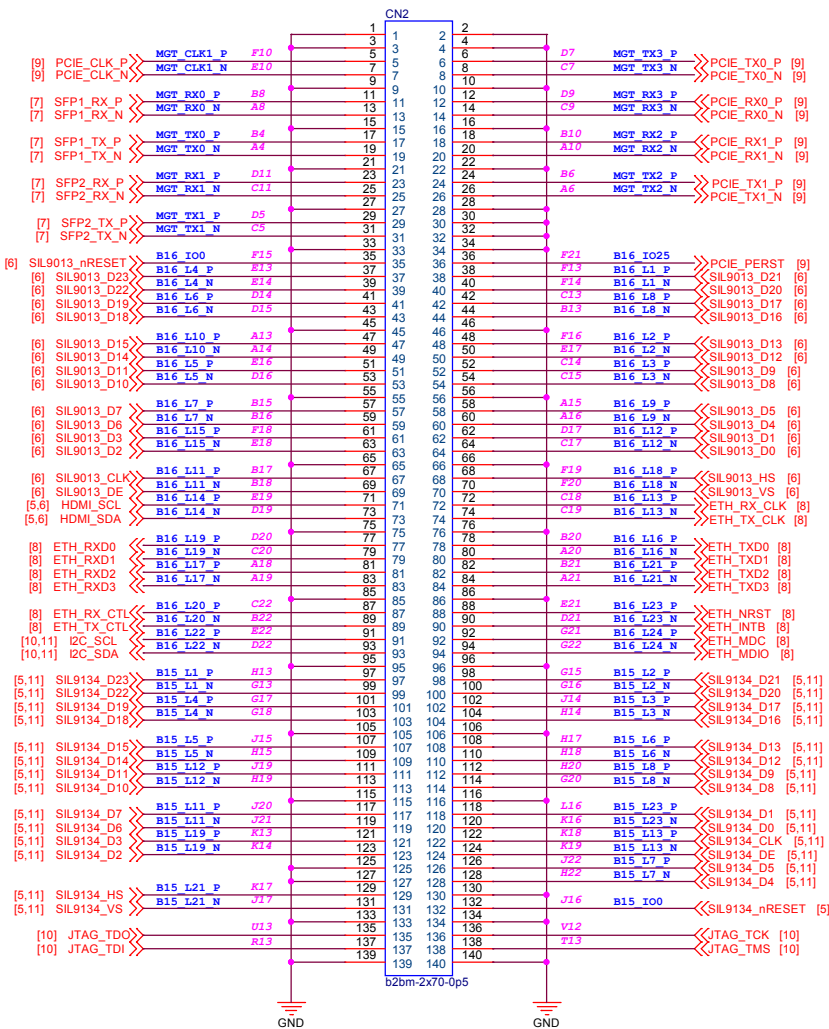
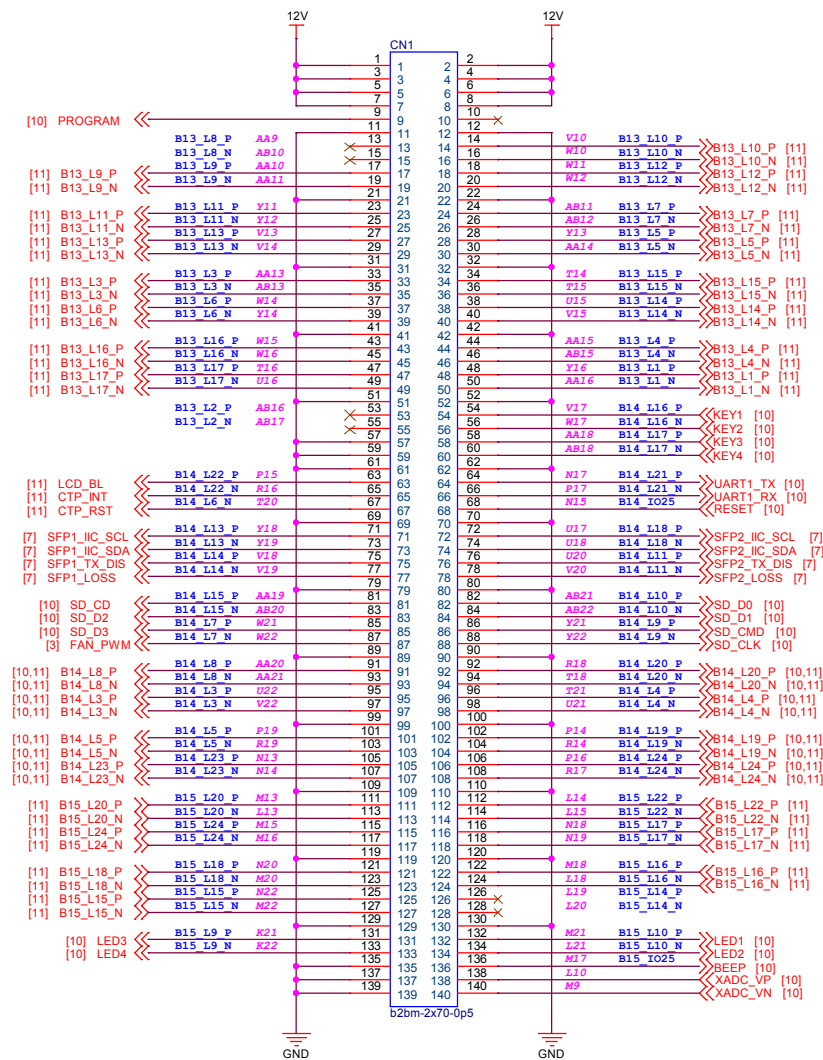
东莞野火电子技术有限公司  
https://yehuosm.tmall.com

Title 野火\_XC7A35T底板\_原理图

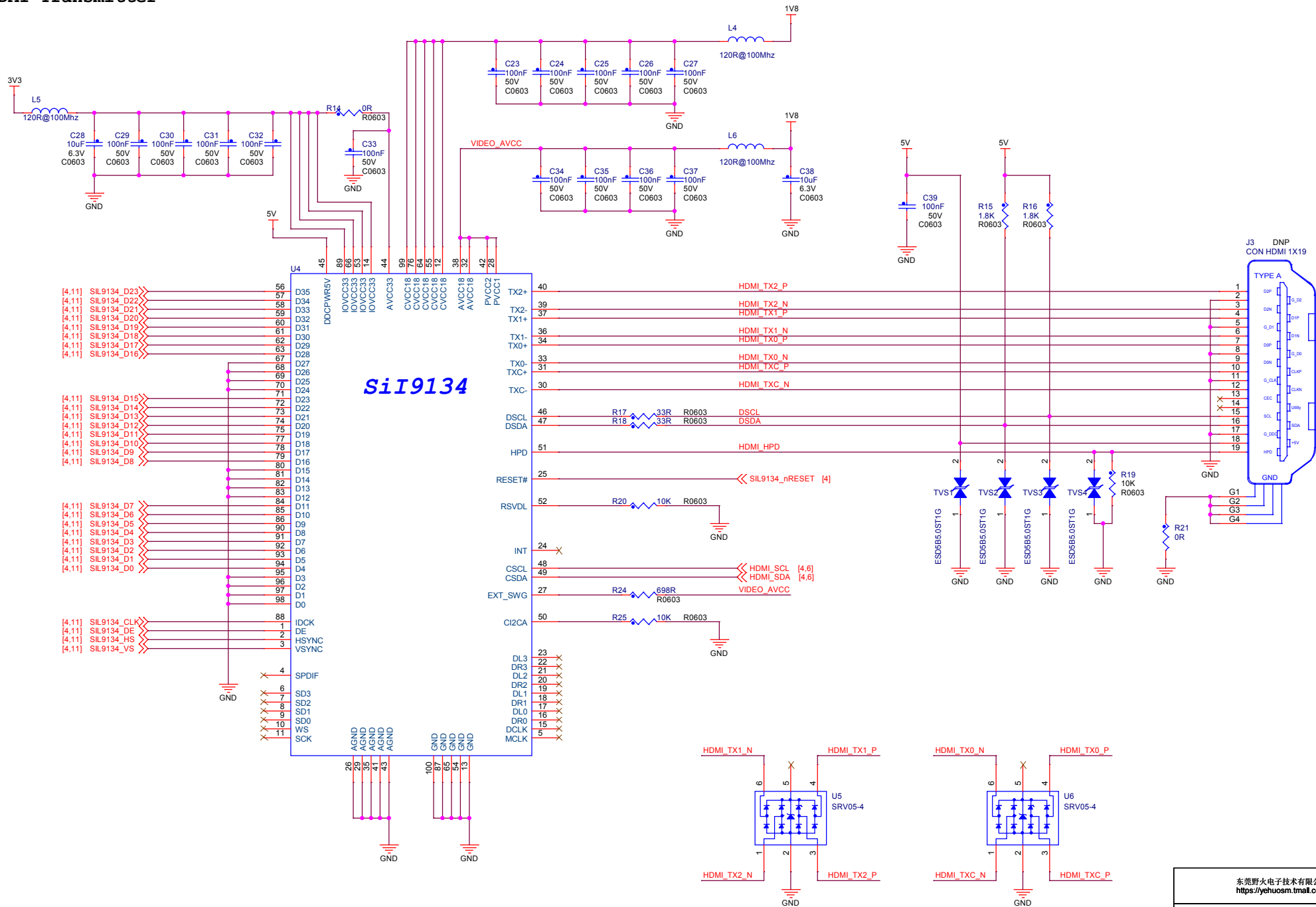
Size A3 Document Number 电源 Rev V1.0

Date: Tuesday, January 05, 2021 Sheet 3 of 11

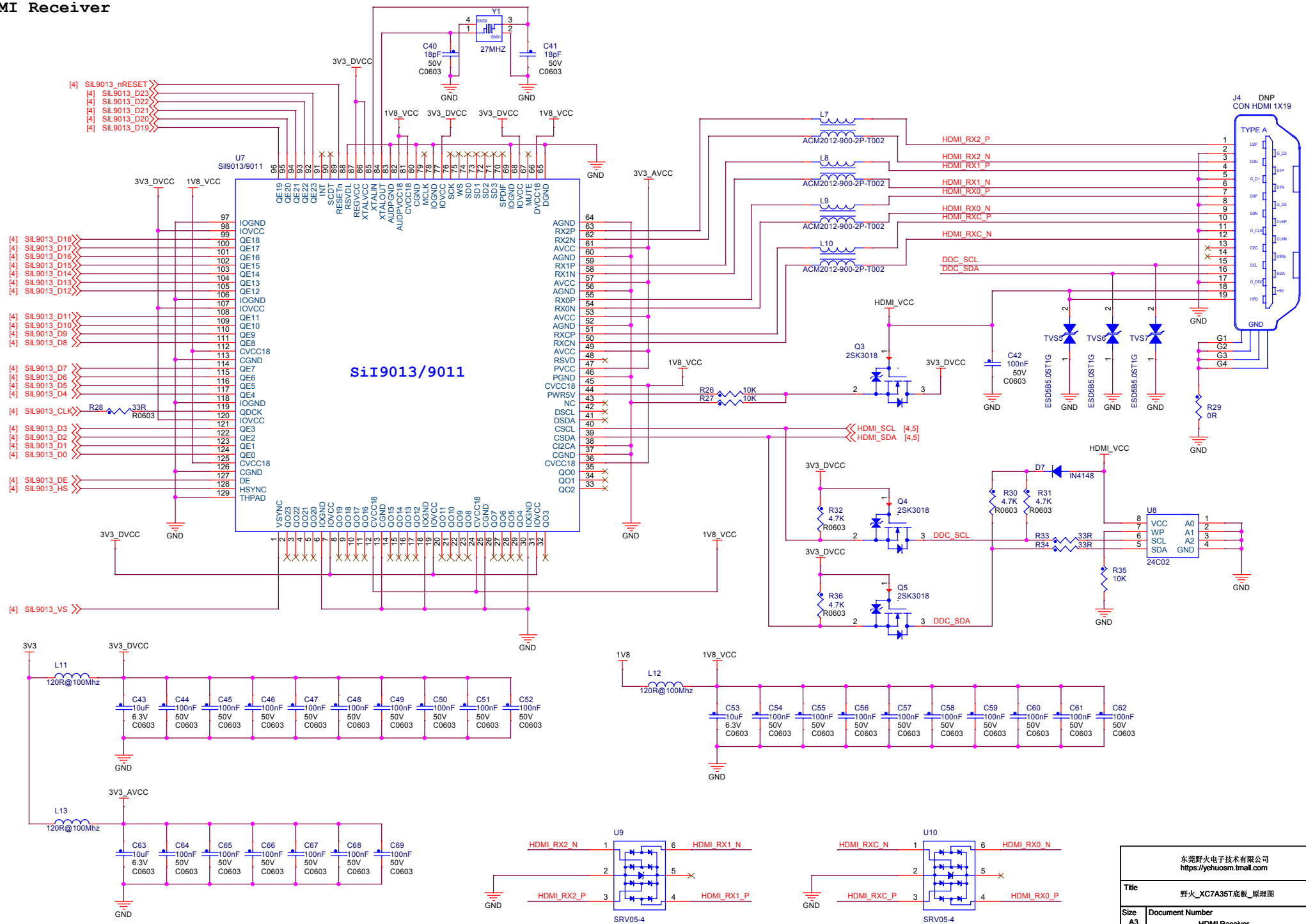
## BTB连接器



## HDMI Transmitter

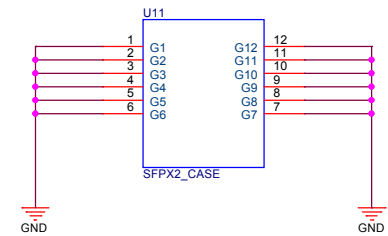
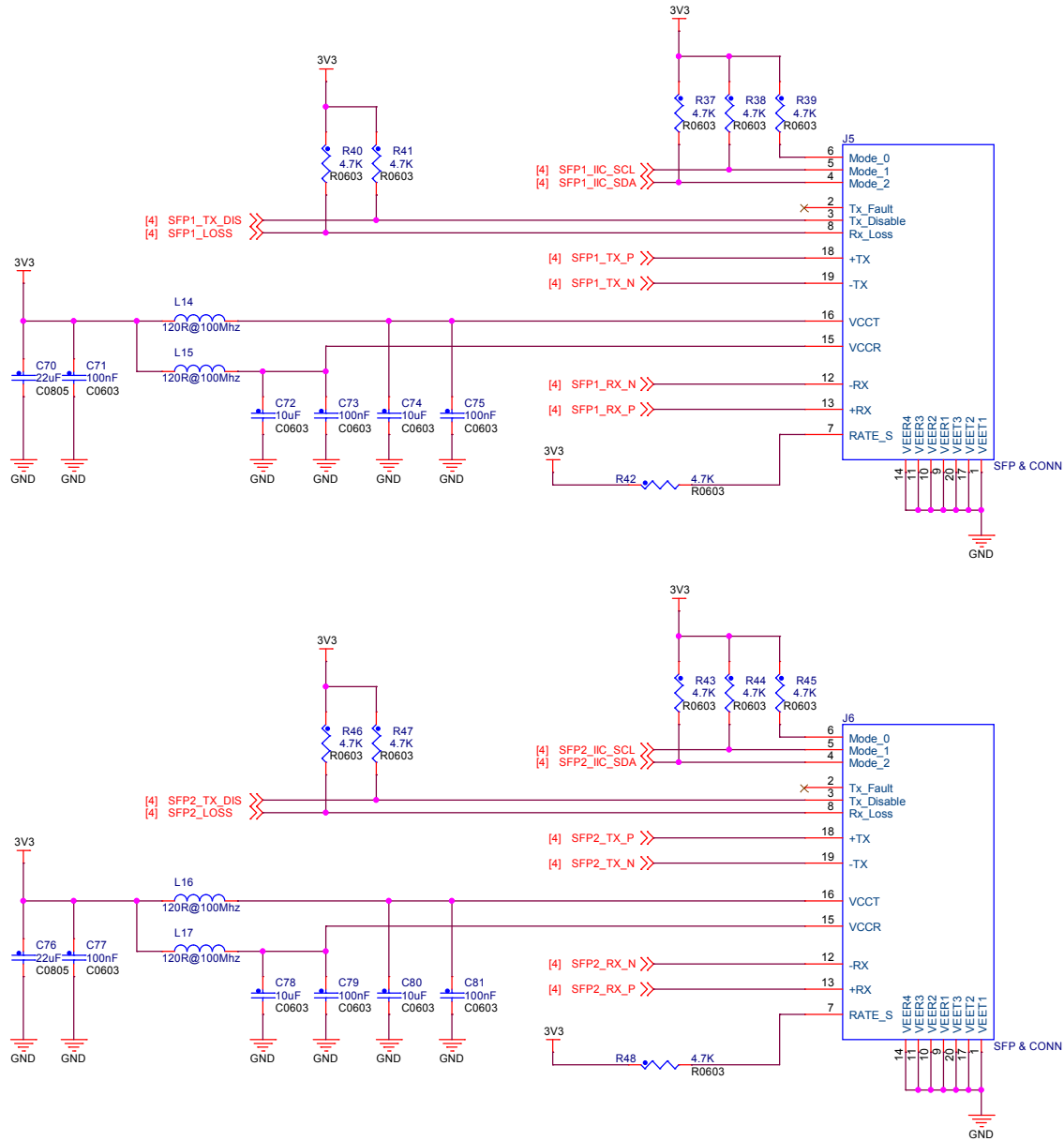


## HDMI Receiver



东莞野火电子技术有限公司 https://yehuoms.tmall.com			
Title 野火_XC7A35T底版_原理图			
Size A3	Document Number HDMI Receiver	Rev V1.0	
Date:	Tuesday, January 05, 2021	Sheet 6	of 11

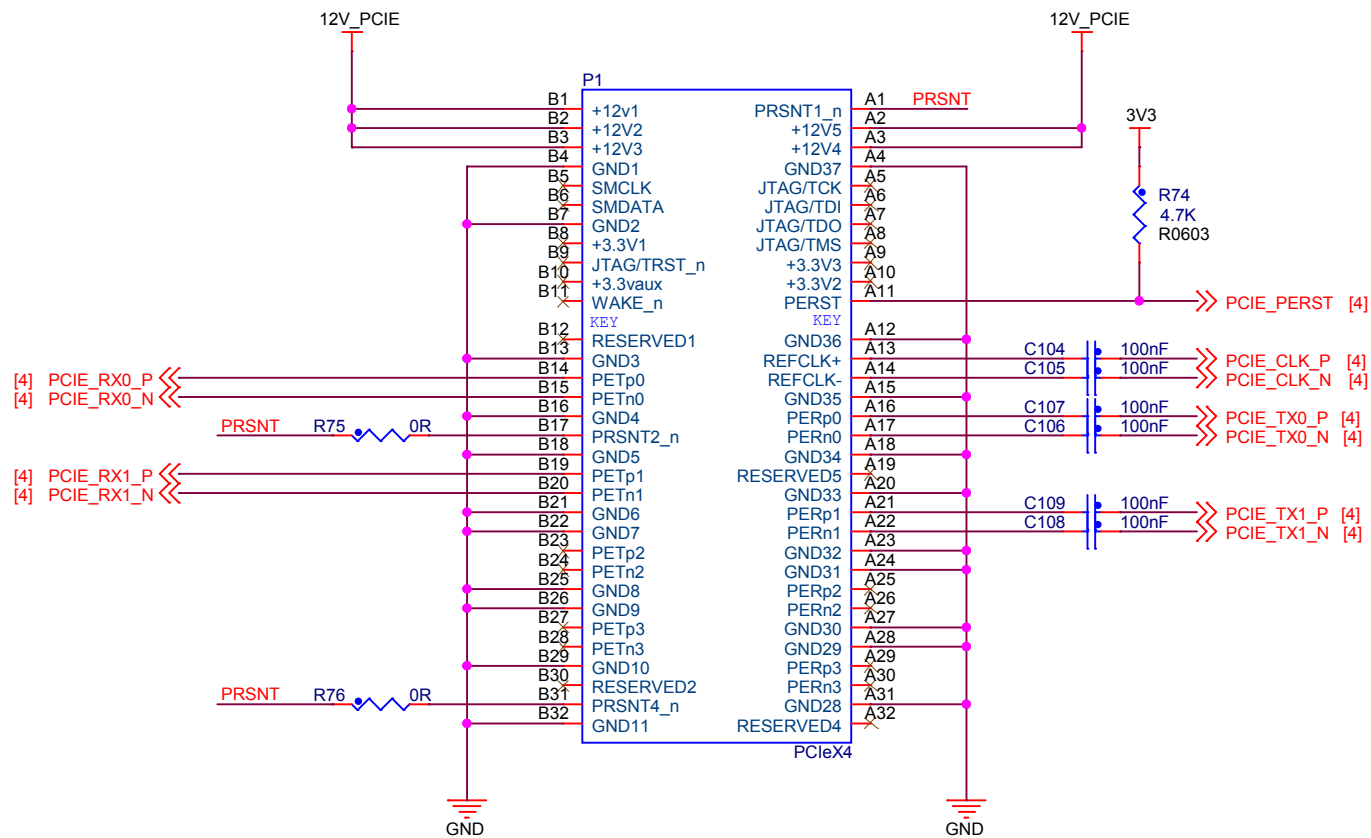
**SFP**







# PCIE

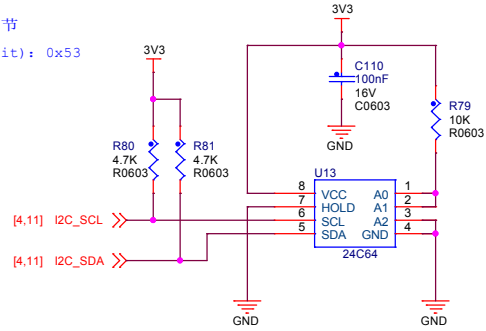


东莞野火电子有限公司 https://yehuosm.tmall.com		
Title 野火_XC7A35T底板_原理图		
Size A4	Document Number PCIE	Rev V1.0
Date: Tuesday, January 05, 2021	Sheet 9	of 11

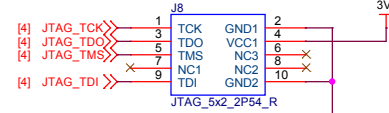
## EEPROM

容量: 8K字节

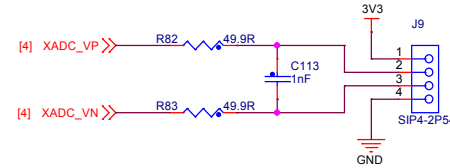
I2C地址(7bit): 0x53



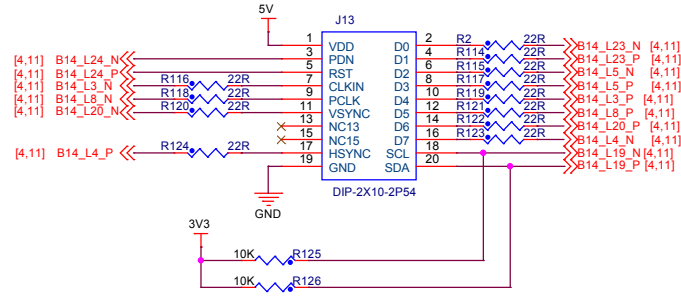
## JTAG



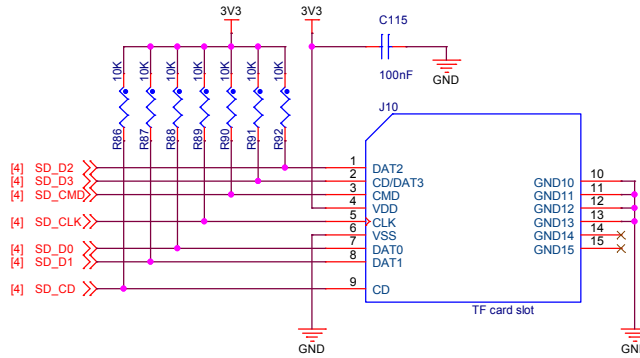
## ADC



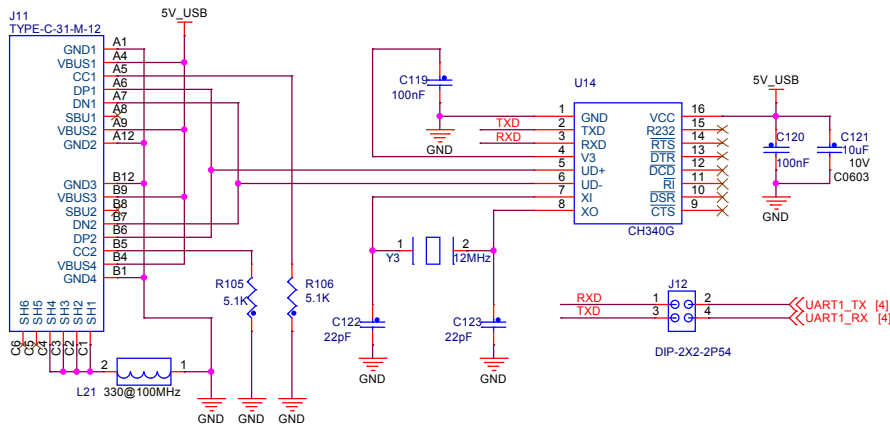
## 摄像头接口



## SD卡

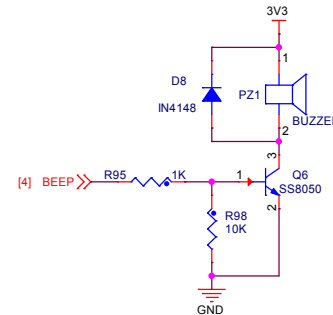


## USB转串口

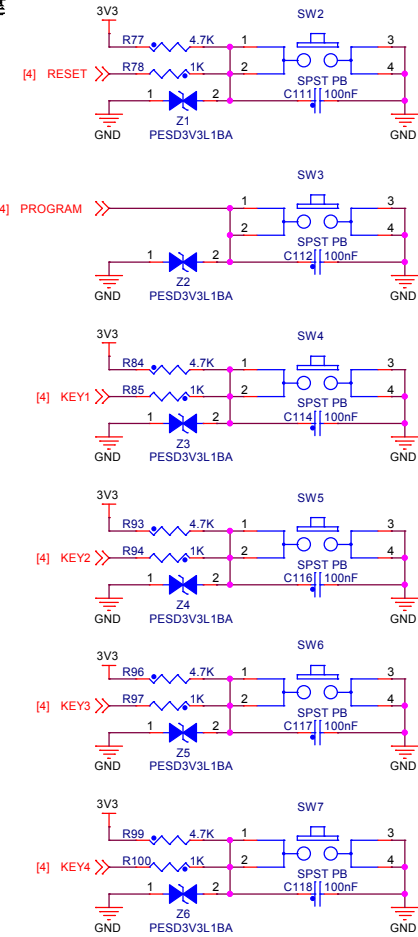


## 蜂鸣器

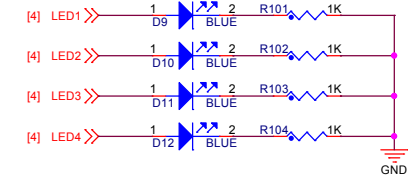
无源蜂鸣器



## 按键



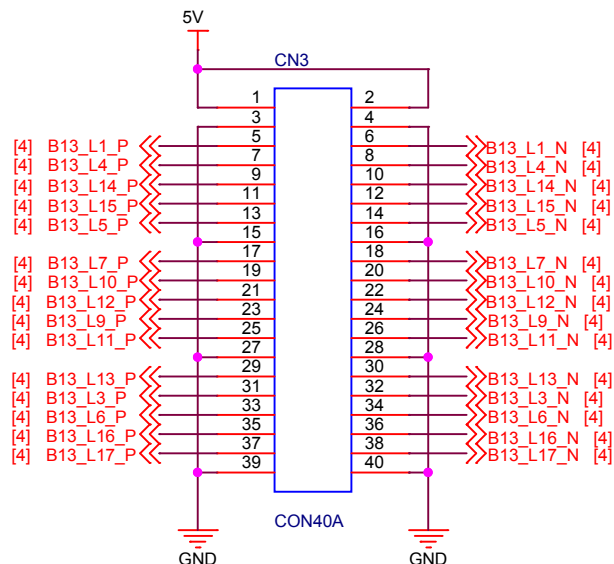
## LED



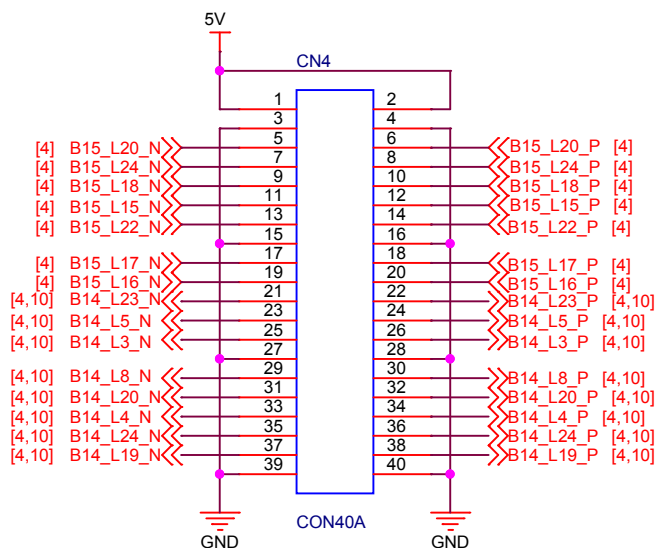
东莞野火电子技术有限公司  
https://yehuosm.tmall.com

Title		
野火_XC7A35T底板_原理图		
Size	Document Number	Rev
A3	按键/LED/SD卡/JTAG/串口	V1.0
Date: Wednesday, January 06, 2021 Sheet 10 of 11		

## 引出IO

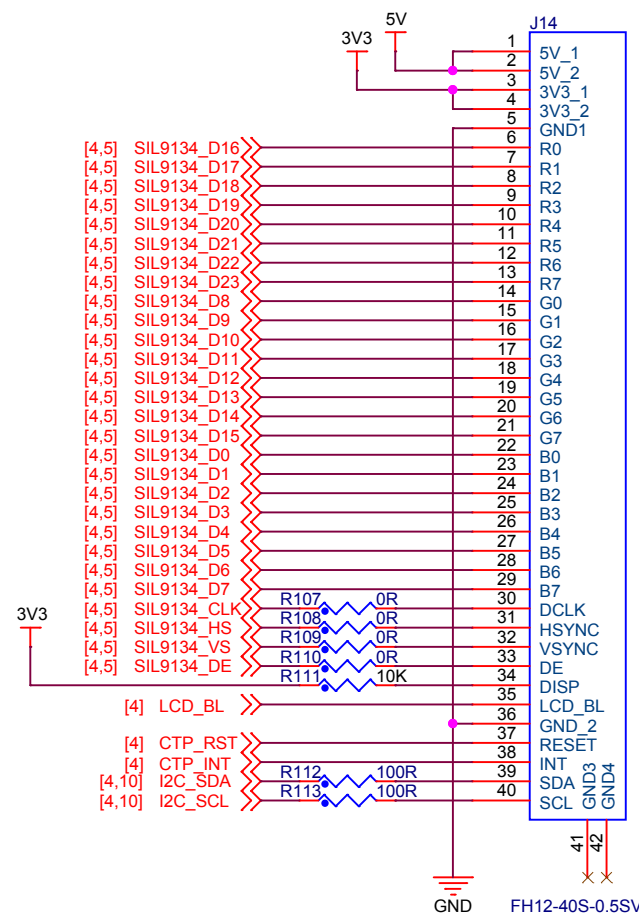


XC7A35T无BANK13  
XC7A100T/XC7A200T有BANK13



用于连接AD/DA、USB、双目摄像头等模块

## LCD RGB888



东莞野火电子有限公司  
<https://yehuosm.tmall.com>

Title 野火\_XC7A35T底板\_原理图

Size A4	Document Number LCD/摄像头/引出IO	Rev V1.0
---------	------------------------------	----------

Date: Tuesday, January 05, 2021 Sheet 11 of 11