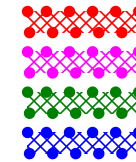


# CONTENT INDEXING

- 01. INDEX
- 02. Change List
- 03. Block Diagram
- 04.DC\_IN/IR
- 05.USB Port
- 06.TF card/RTC
- 07.10/100/1000M-PHY
- 08.AUDIO/CVBS
- 09.WIFI/BT-AP6XXX
- 10.HDMI OUT
- 11.SPDIF/KEY
- 12.Connector1
- 13.Connector2

## PCB POWER WIRE WIDTH INDICATE



No indicate

above 80 miles

above 50 miles

above 30 miles

above 16 miles

Under needs

## 4 LAYERS PCB STACK

TOP	<div></div>	Hoz(18um) + plating copper(18um)
	Prepreg 3313*1 4.0MIL(0.10mm)	
GND	<div></div>	1oz(35um)
	Adjust	
POWER	<div></div>	1oz(35um)
	Prepreg 3313*1 4.0MIL(0.10mm)	
BOTTOM	<div></div>	Hoz(18um) + plating copper(18um)



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Title: Index

File: FirePrime

REV: V10

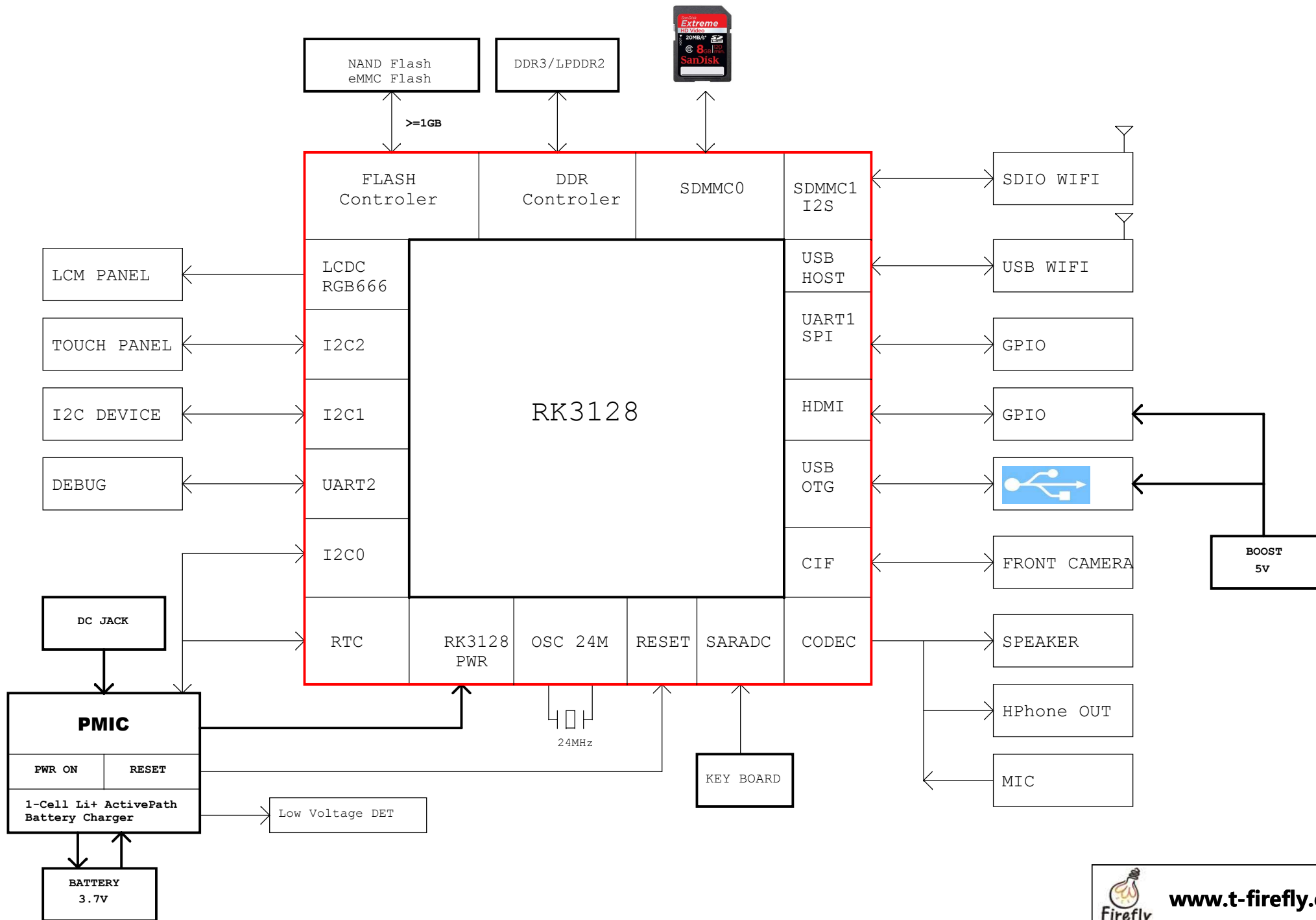
Create Date: Monday, June 01, 2015

Page Num: 1

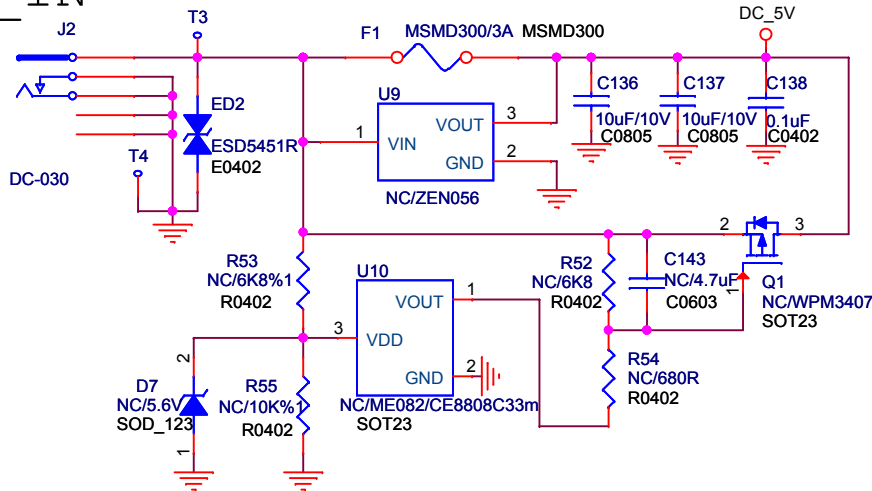
Modify Date: Wednesday, June 10, 2015

Page Total: 13

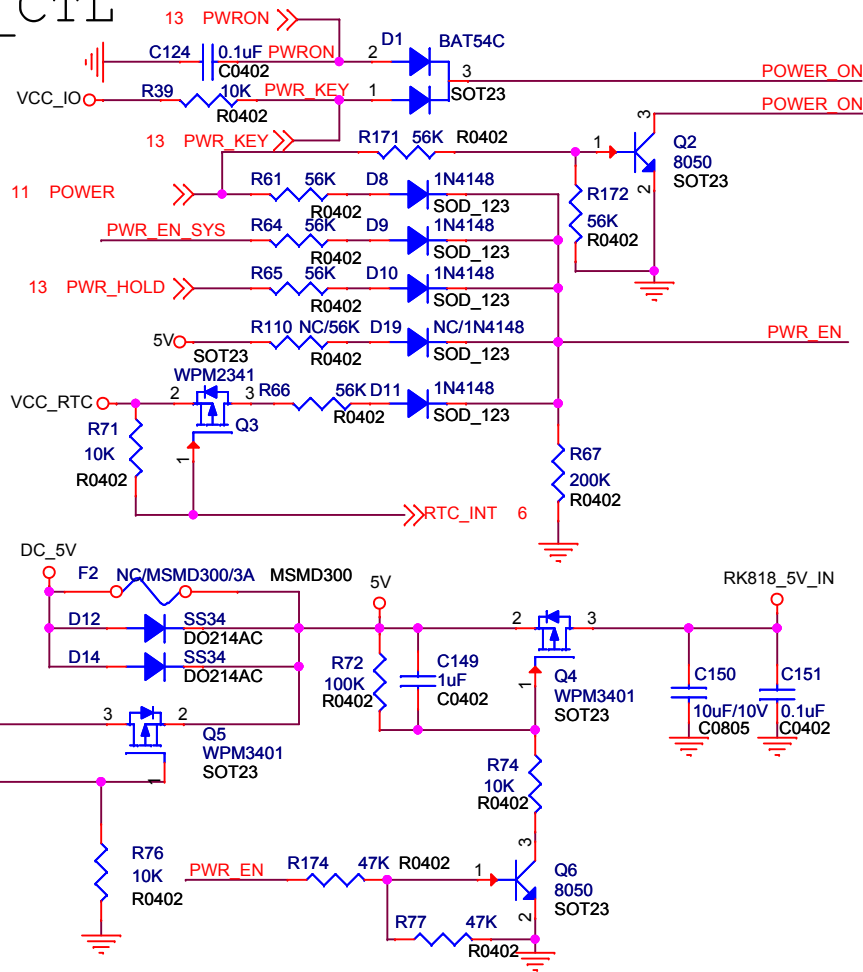
Version	Date	Author	Change Note	Note
V00	20150130	HWQ	The first edit.	
V01	20150312	HWQ	Increase pull-up resistor for SDIO1.	
V10	20150611	HWQ	1. HDMI's power was changed. 2.GPIO2_A5 and GPIO0_D6 exchange.	



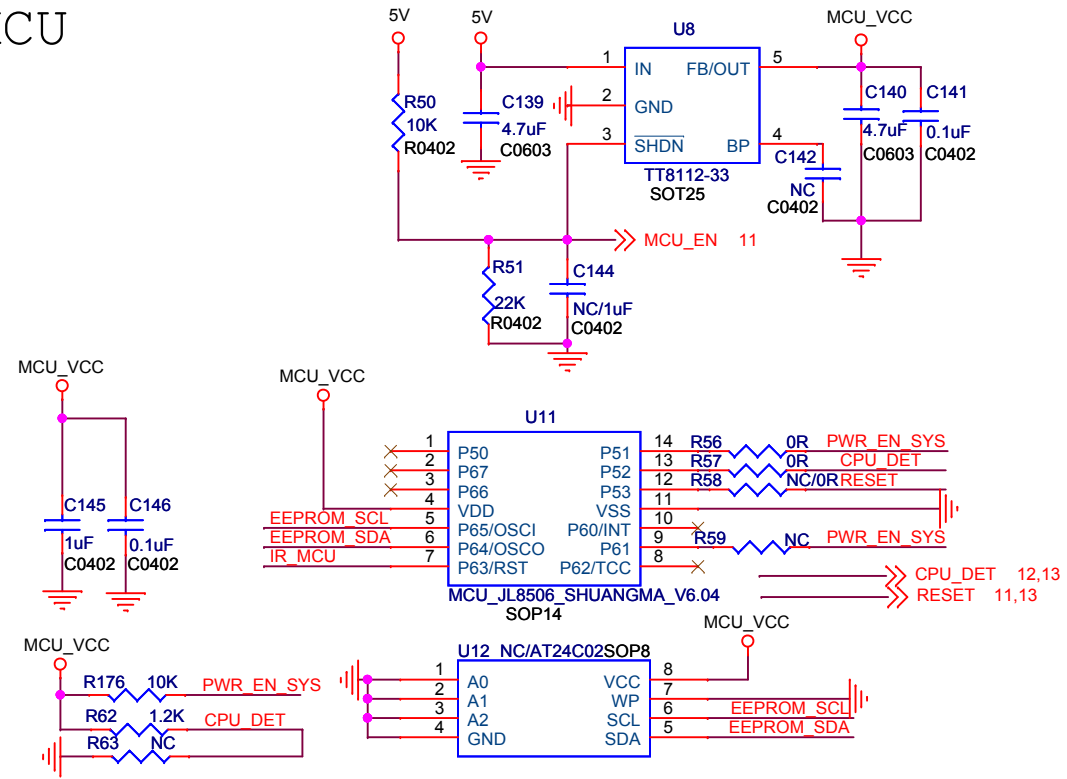
# DC\_IN



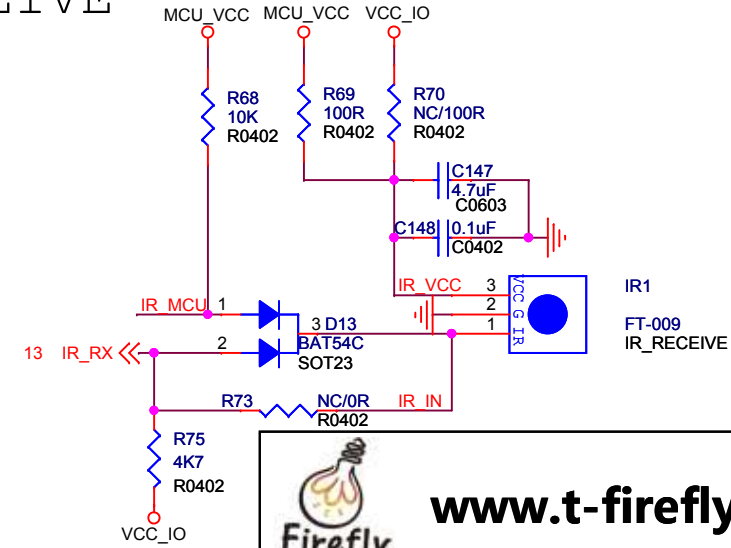
# POWER\_CTL




# MCU



# IR\_RECEIVE

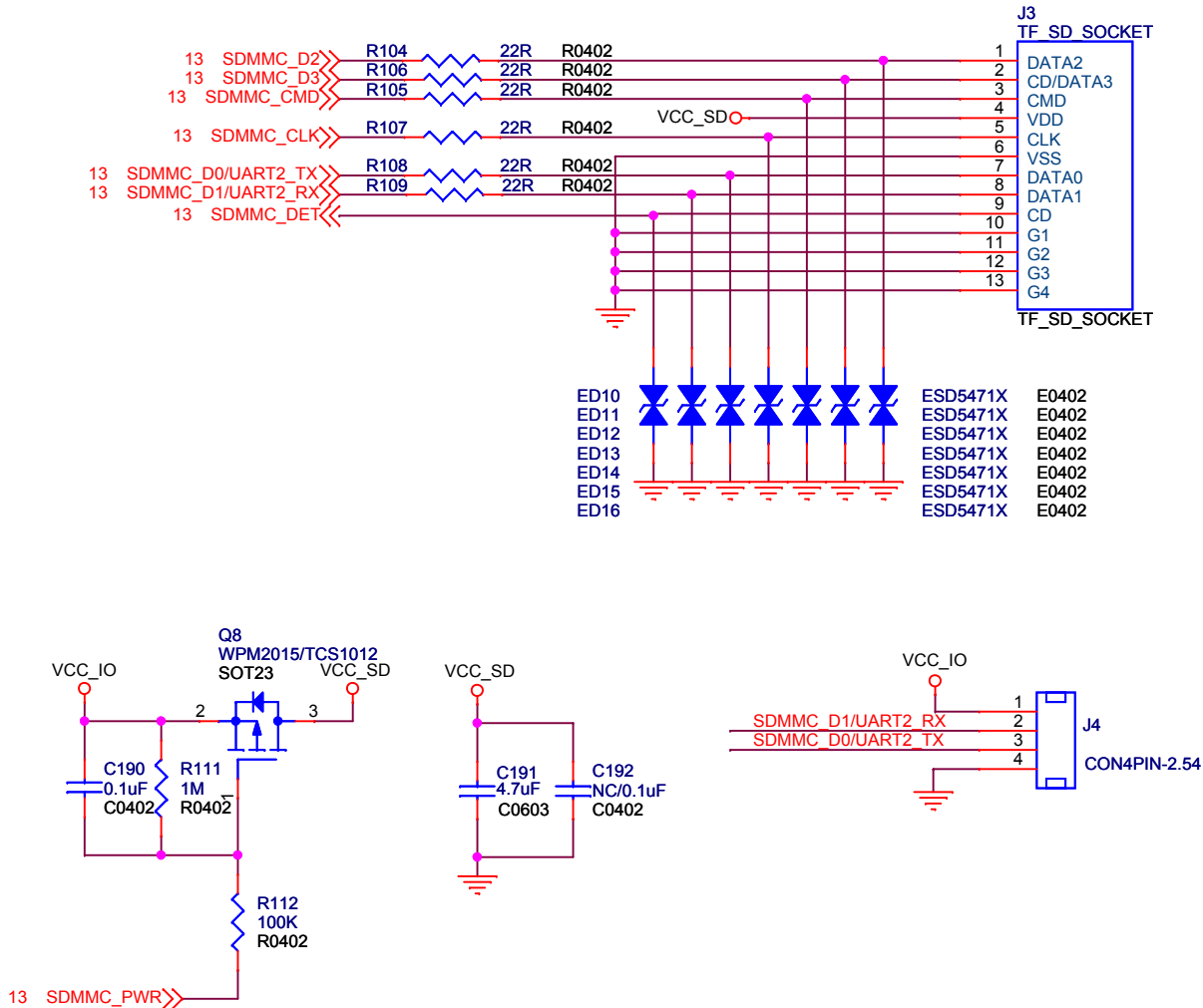



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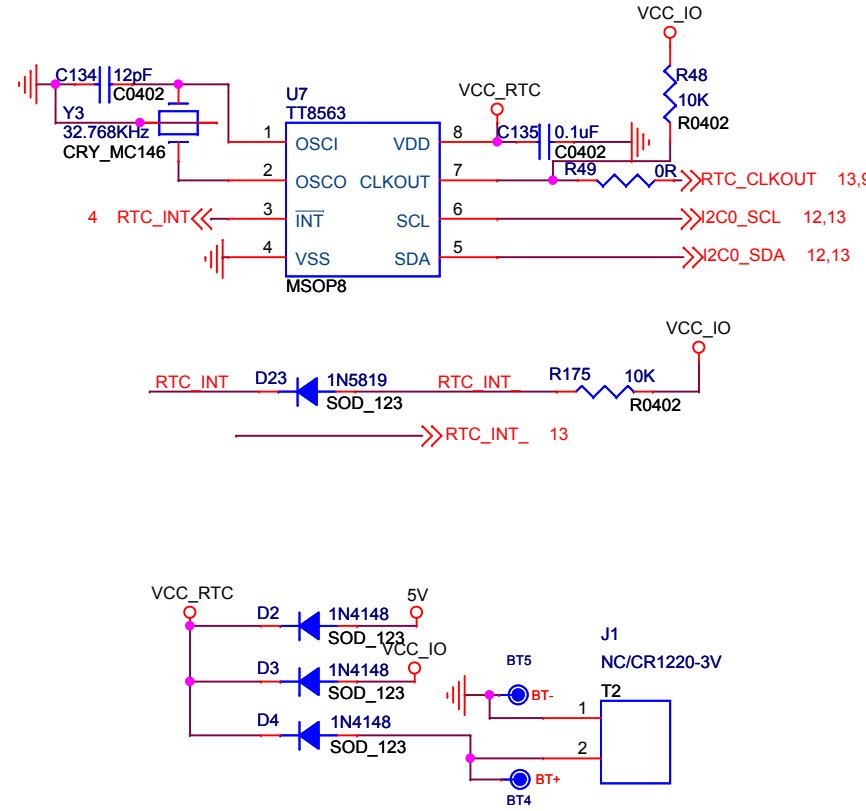
Title: DC_IN/IR		REV: V10
File: FirePrime		
Create Date: Monday, June 01, 2015	Page Num: 4	
Modify Date: Wednesday, June 10, 2015	Page Total: 13	




TF CARD



RTC





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**Title:** TF card/RTC

**File:** FirePrime

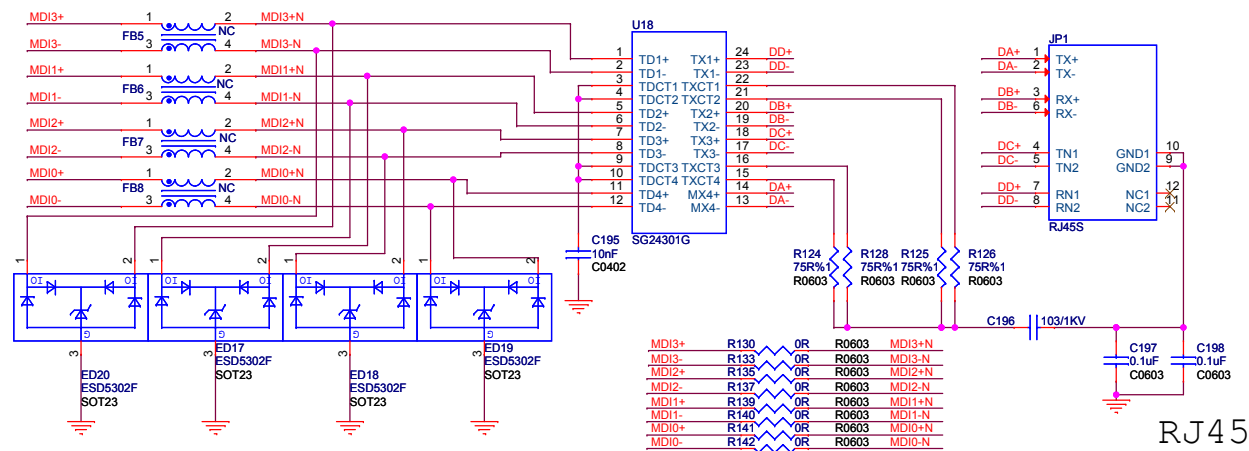
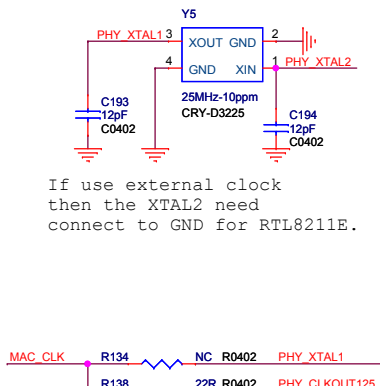
**Create Date:** Monday, June 01, 2015

**Modify Date:** Monday, June 15, 2015

**REV:** V10

**Page Num:** 6

**Page Total:** 13

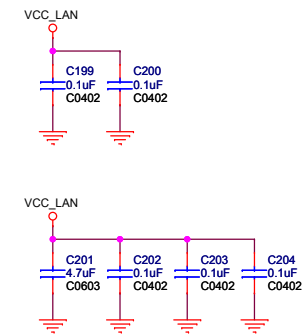


**PHY Address=001(RTL8211E)**

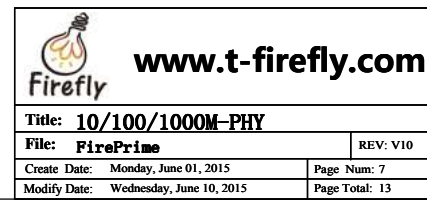
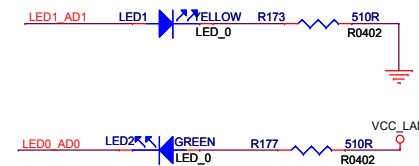
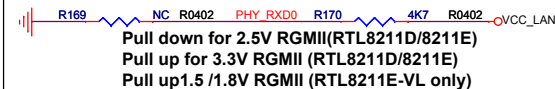
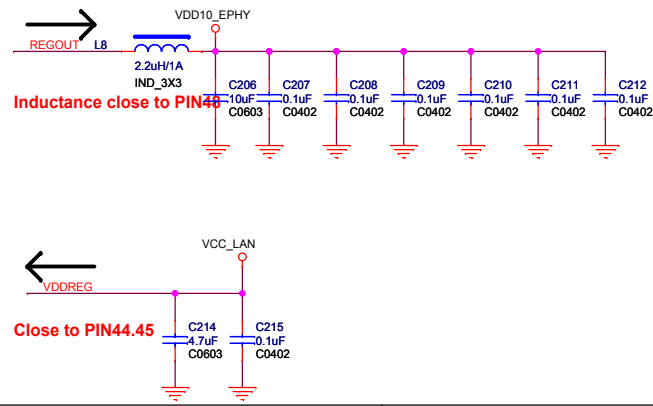
**Config for all capability**

**Without RX Delay**

**Without TX Delay**

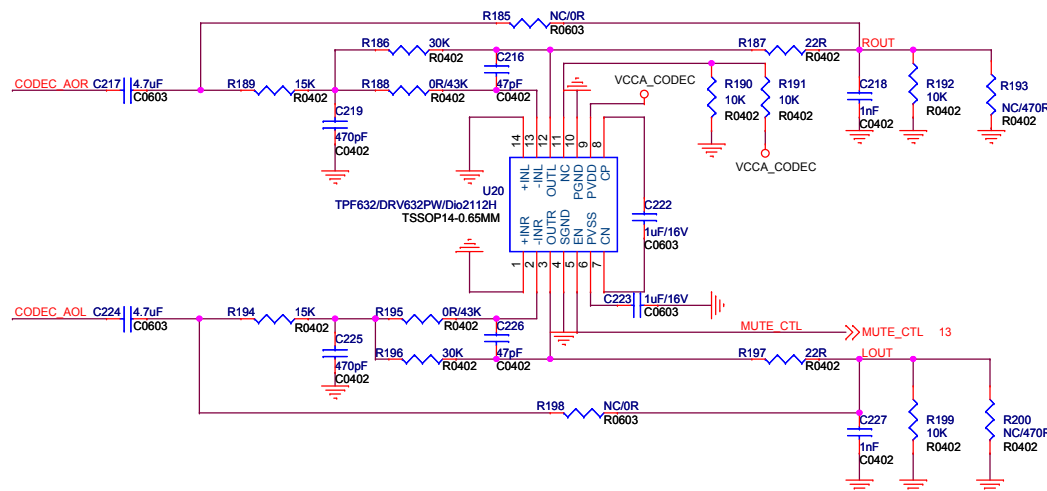
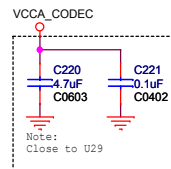


Connect ENSWREG to AVDD33 to enable Switching regulator or connect ENSWREG to GND to disable Switching regulator.

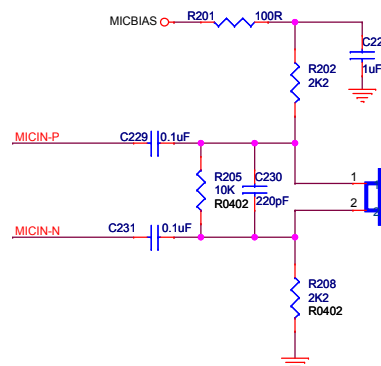


# 2-Vrms Audio Line Driver

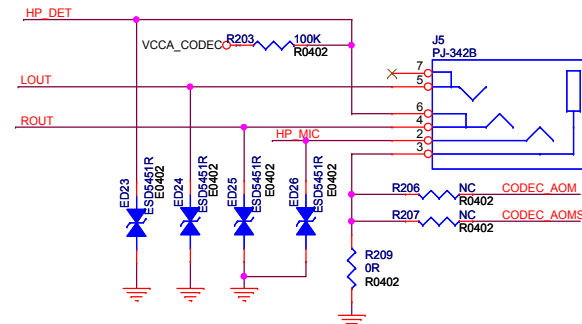
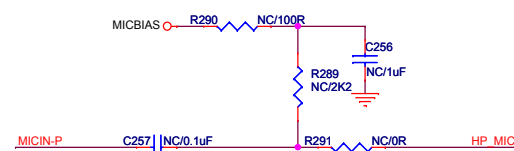
>>>CODEC\_AOL 13  
 >>>CODEC\_AOR 13  
 >>>CODEC\_AOMS 13  
 >>>CODEC\_AOM 13  
 >>>HP\_DET 13  
 >>>MICIN-N 13  
 >>>MICIN-P 13  
 >>>VDAC\_OUTP 13  
 >>>LINE\_LIN 13  
 >>>LINE\_RIN 13  
 >>>AUX\_DET 13



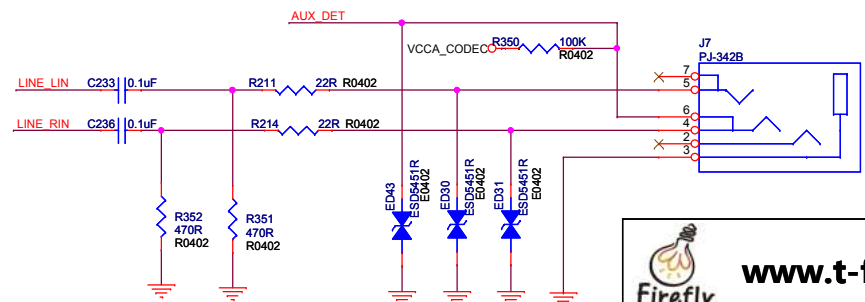
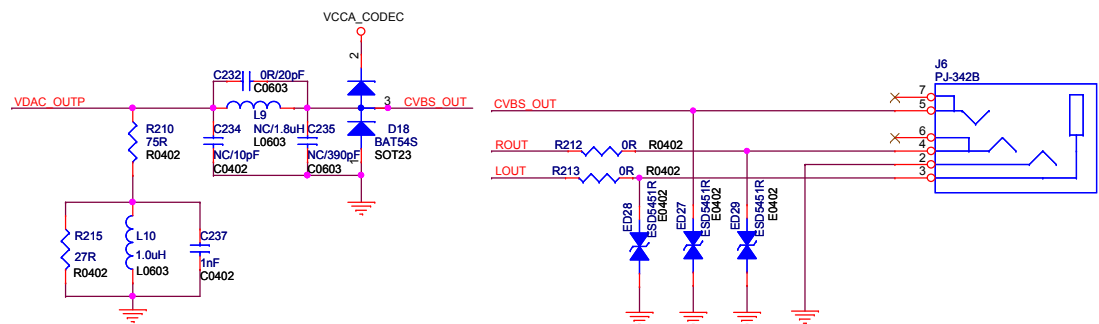
## MIC




## HEADPHONE



## CVBS&LINE\_OUT&LINE\_IN



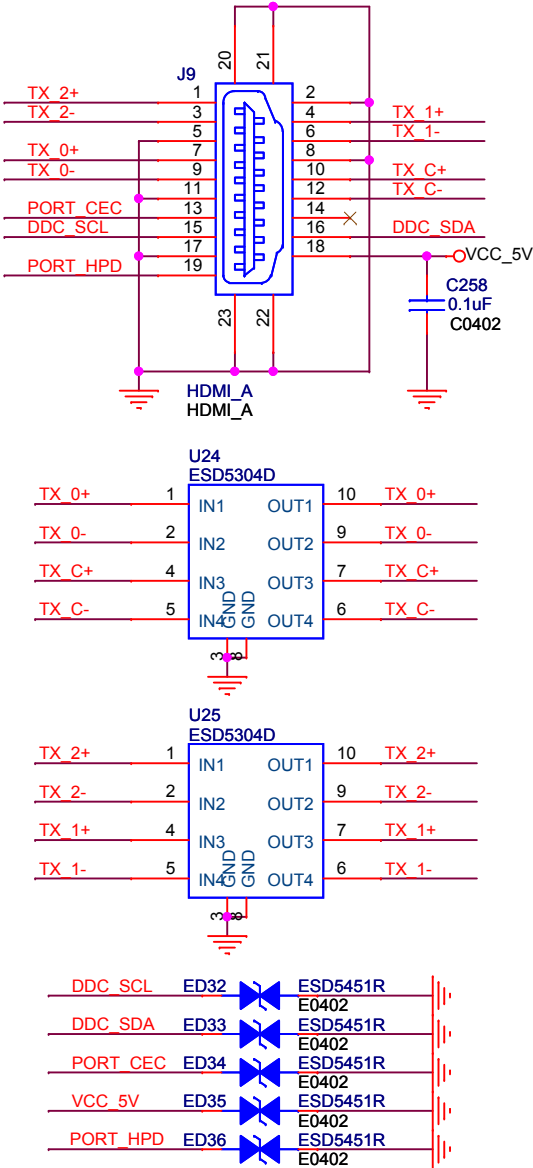
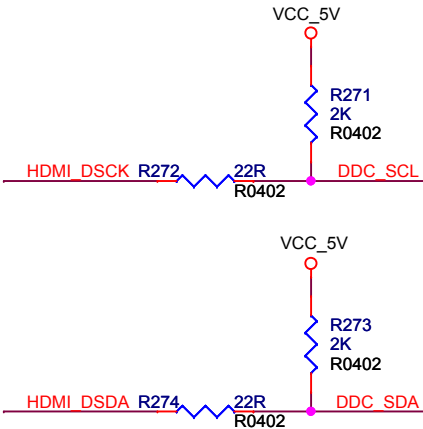
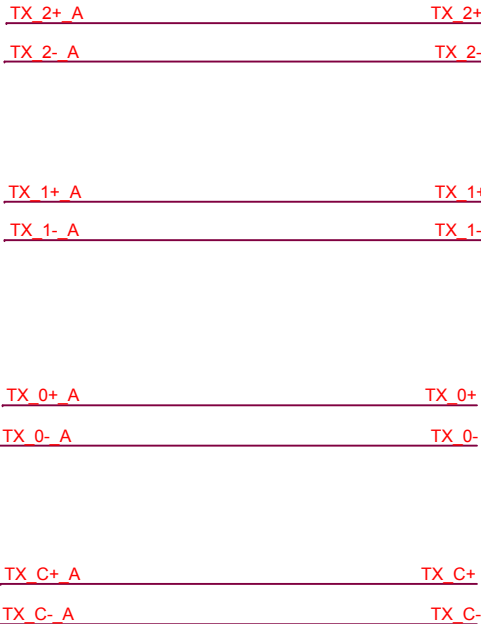
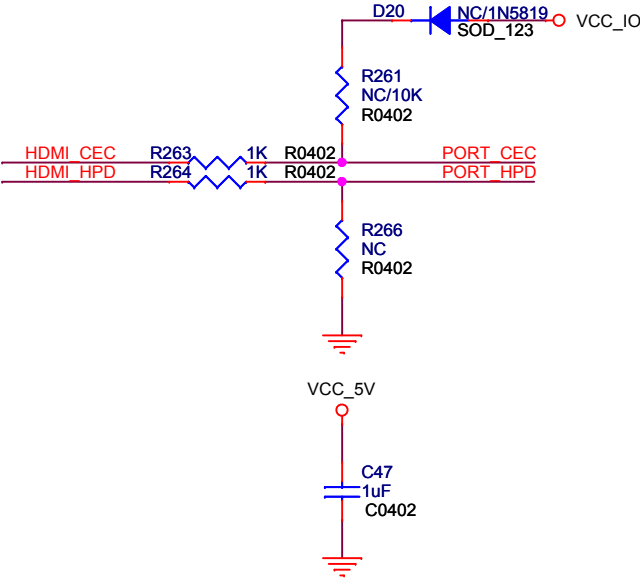

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Title: <b>AUDIO/CVBS</b>	
File: <b>FirePrime</b>	REV: V10
Create Date: Monday, June 01, 2015	Page Num: 8
Modify Date: Monday, June 15, 2015	Page Total: 13





HDMI\_OUT

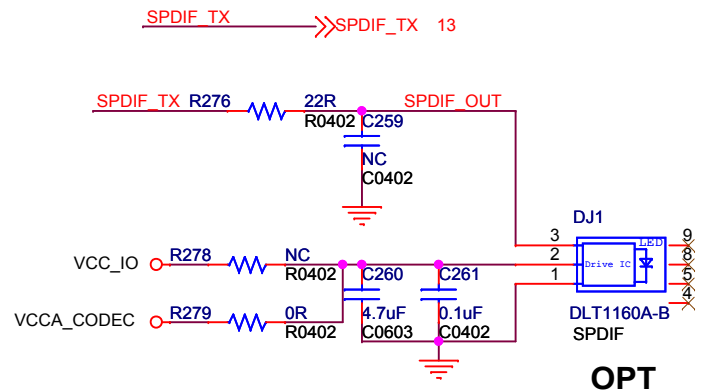




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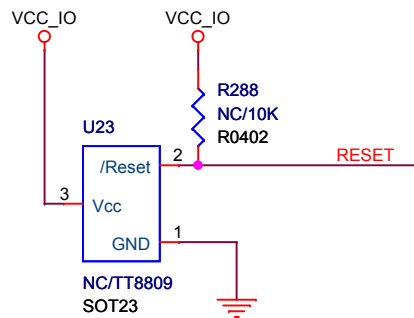
Title: HDMI_OUT	
File: FirePrime	REV: V10
Create Date: Monday, June 01, 2015	Page Num: 10
Modify Date: Monday, June 15, 2015	Page Total: 13

# SPDIF

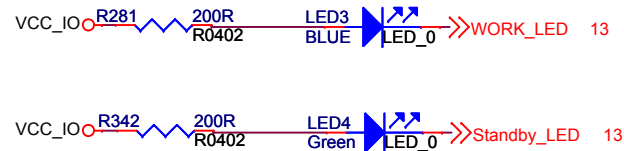


OPT

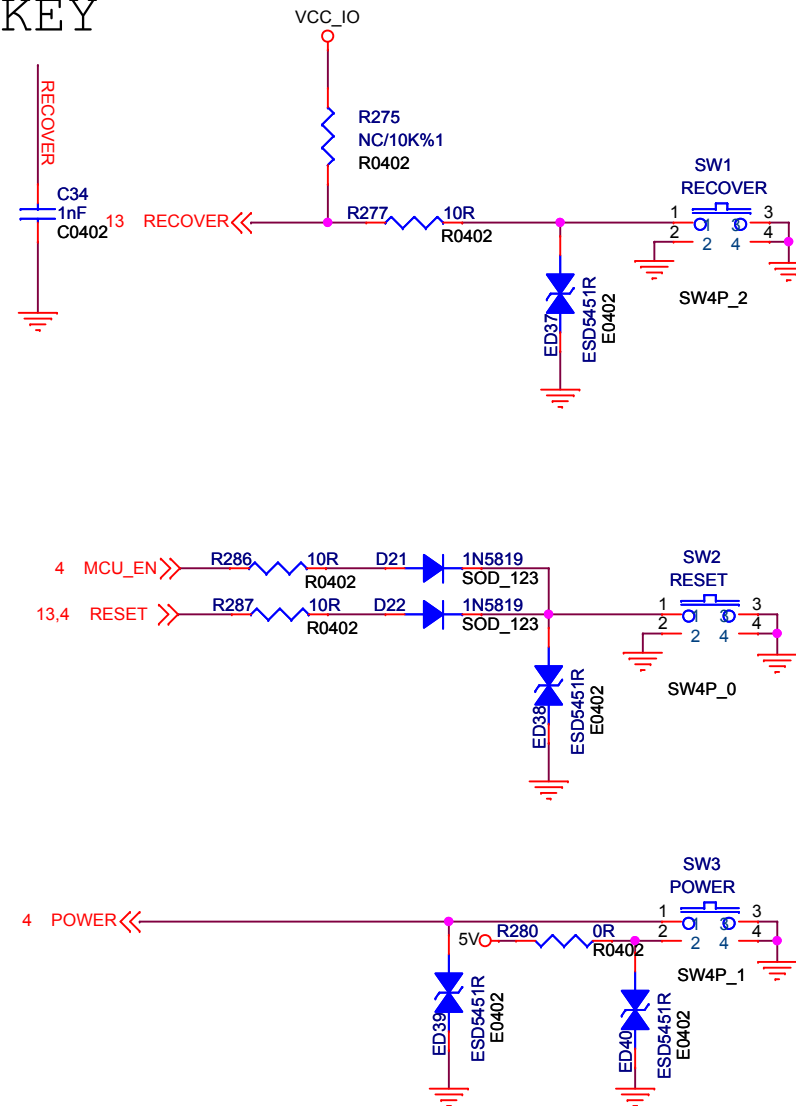
# RESET



# LED



# KEY



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Title: SPDIF/KEY/LED

File: FirePrime

REV: V10

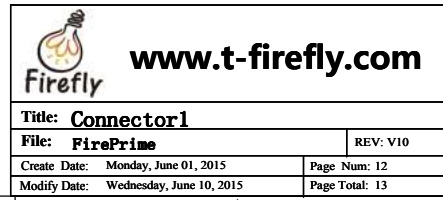
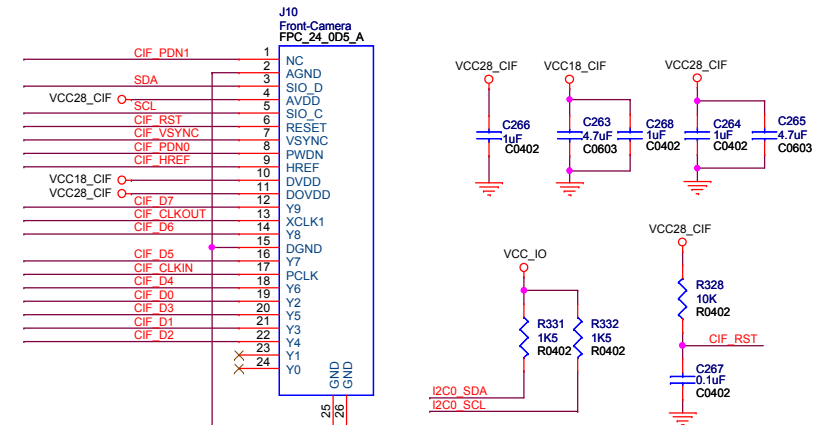
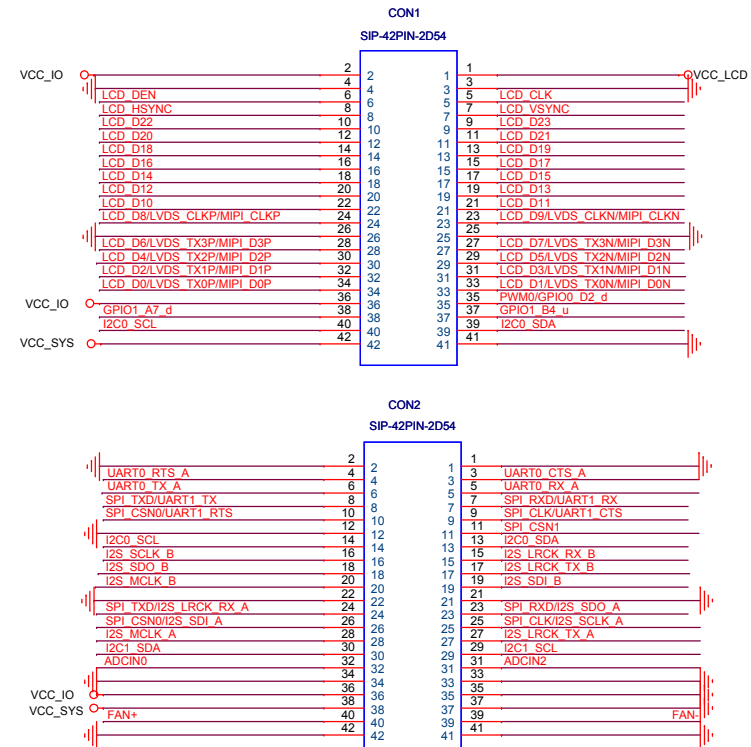
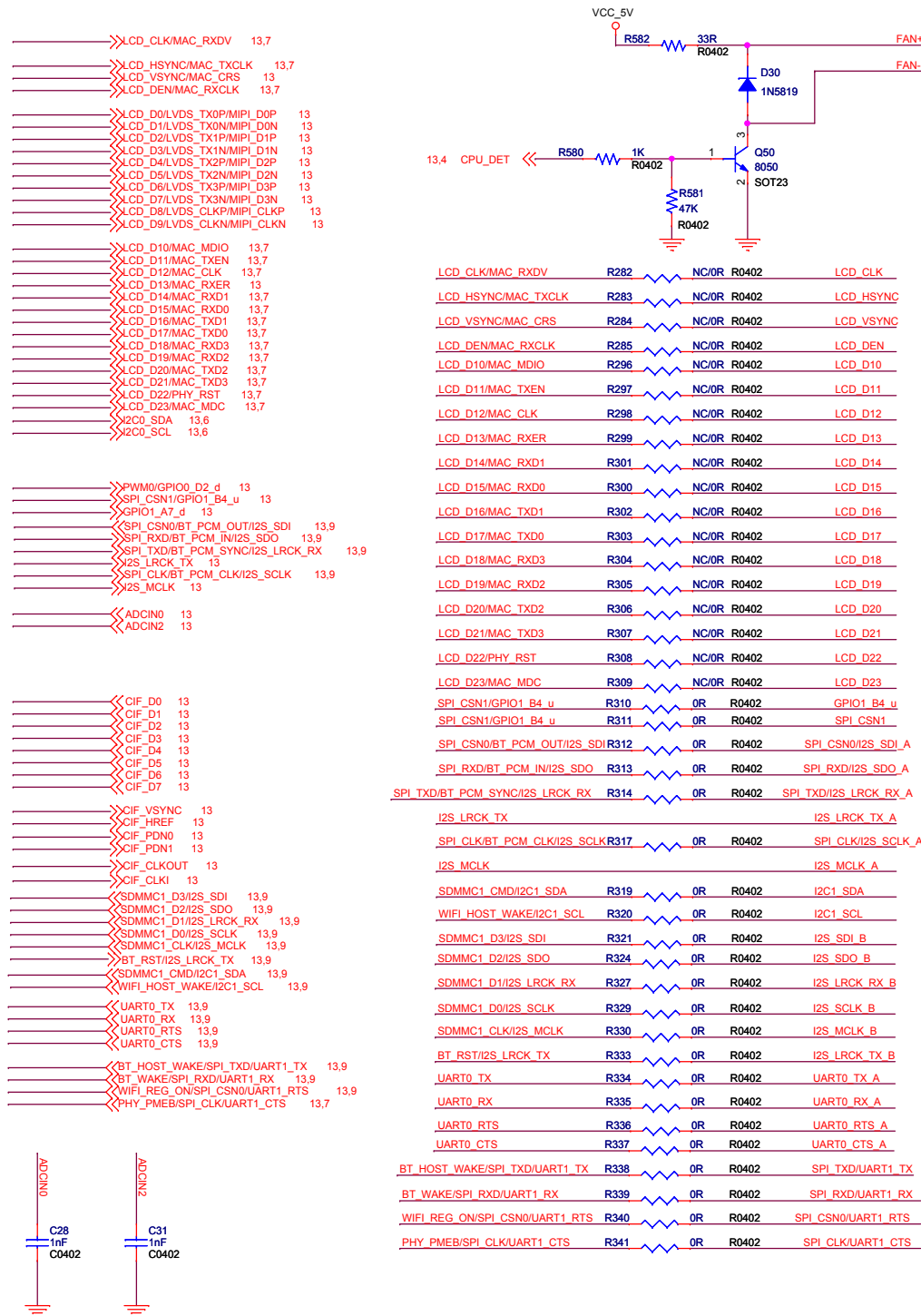
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Page Num: 11

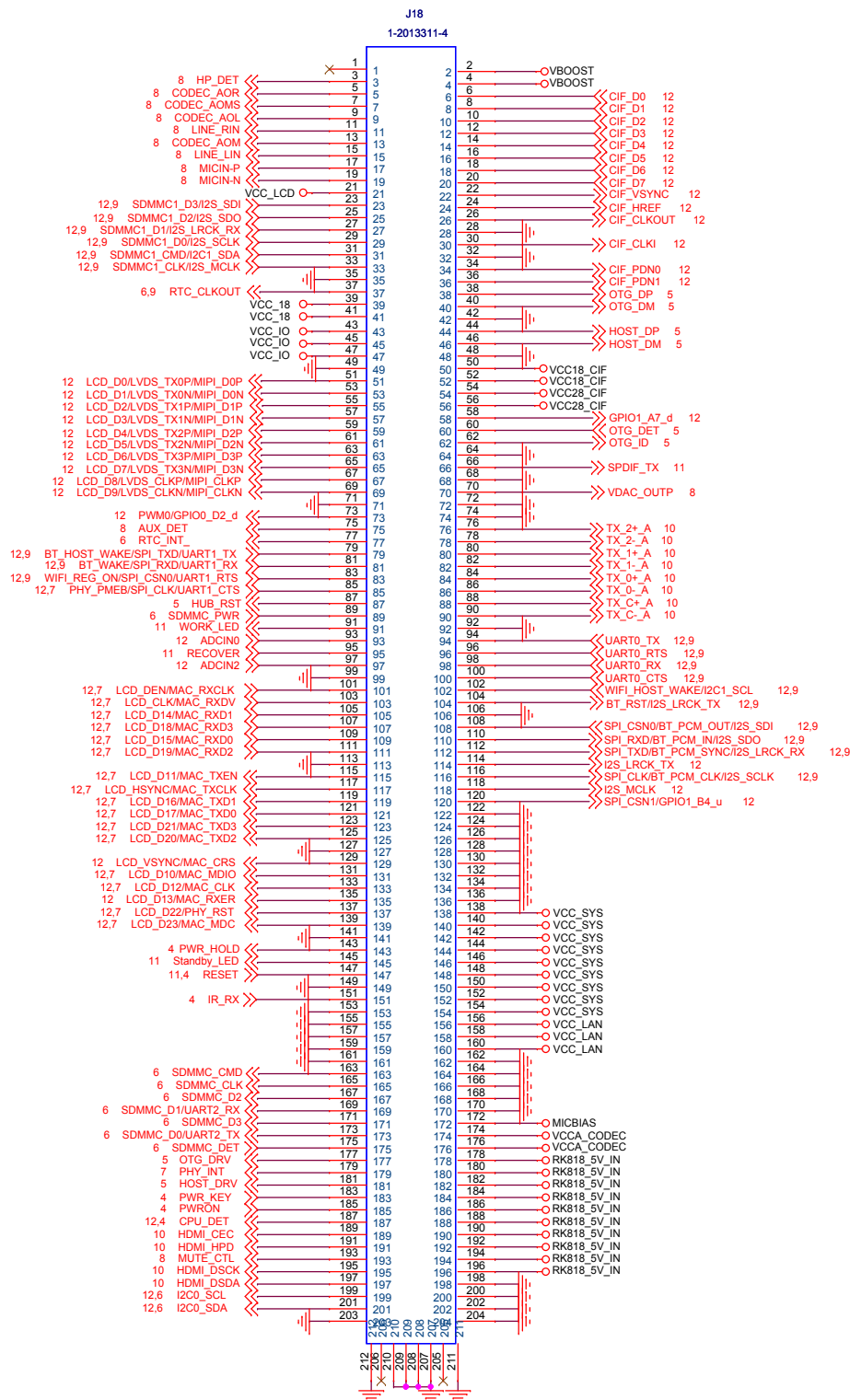
Modify Date: Monday, June 15, 2015

Page Total: 13

## Connector



# connector



U51  
Firefly  
T-CHIP\_LOGO

MASK5 MASK11  
MASK6 MASK12  
MASK7 MASK13

