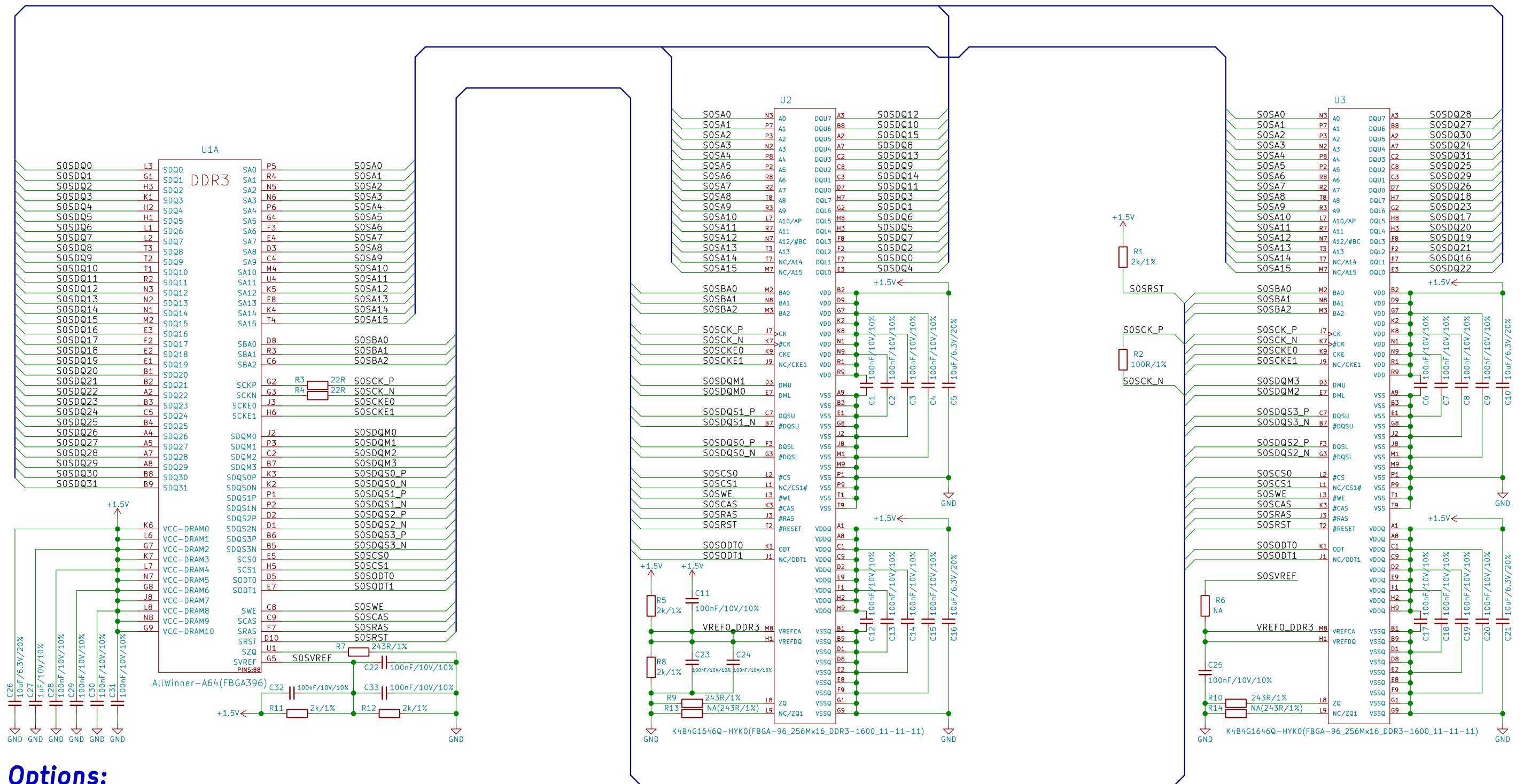


DDR3:1GByte



Options:

=====

1. Use 2(DDR3 256Mx16 Memory chips)x4Gb = 1GByte, i.e. 2xH5TQ4G63MFR-PBC(or K4B4G1646Q-HYK0) -> Default
2. Use 2(DDR3 512Mx16 Memory chips)x8Gb = 2GBytes, i.e. 2xH5TC8G63AMR-PBA(or K4B8G1646Q-MYK0)

Note:

=====

We have used a number of fully compatible, but different DDR3 memories due to supply unavailability. In such cases the memory part name in the schematic might remain outdated. It is recommended to always refer to the exact memory name printed on the component itself.

DDR3 Memory		
<c> 2016		
OLIMEX LTD, Bulgaria		
Sheet: /		
File: A64-OlinuXino_Rev_C.sch		
Title: A64-OlinuXino		
Size: A3	Date: 2016-09-08	Rev: Rev_C
KiCad E.D.A. kicad no-vcs-found-29557e458ubuntu16.04.1		Id: 1/4

NAND Flash

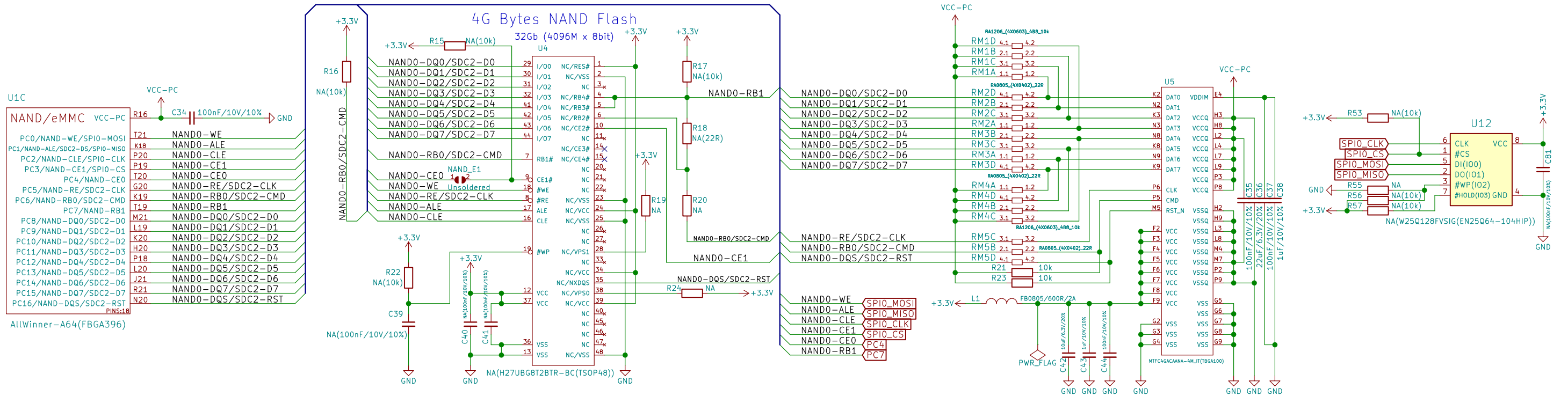
eMMC

SPI flash

Option!

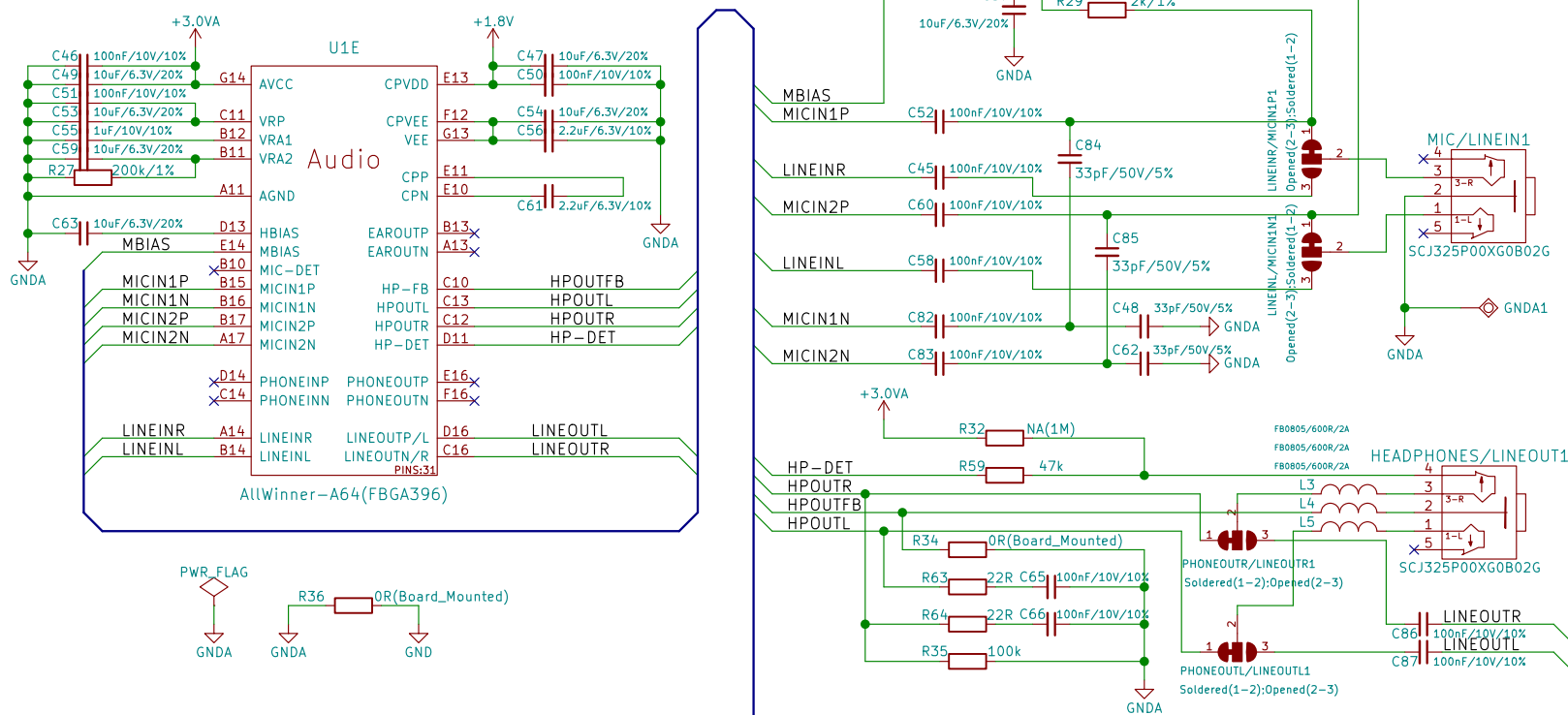
=====

eMMC is default, because in this case, SPI0 is not multiplexed with eMMC as is with the NAND Flash!
SPI0 is available on the UEXT connector!

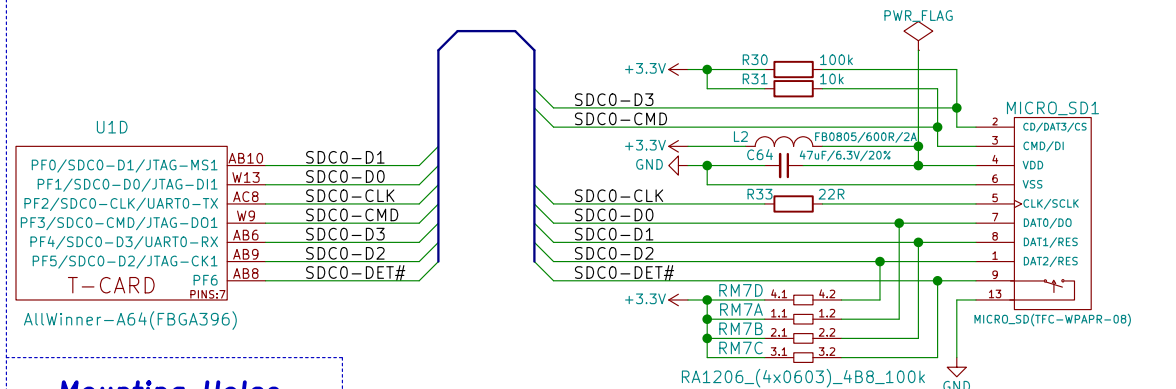


Audio

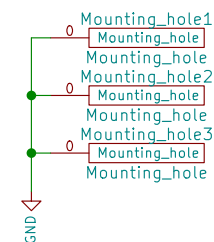
CPVEE and VEE to be made as Kelvin connection.



T-Card



Mounting Holes



<c> 2016

OLIMEX LTD, Bulgaria

Sheet: /NAND Flash , eMMC, T-Card and Audio/
File: NAND Flash , eMMC, T-Card and Audio.sch

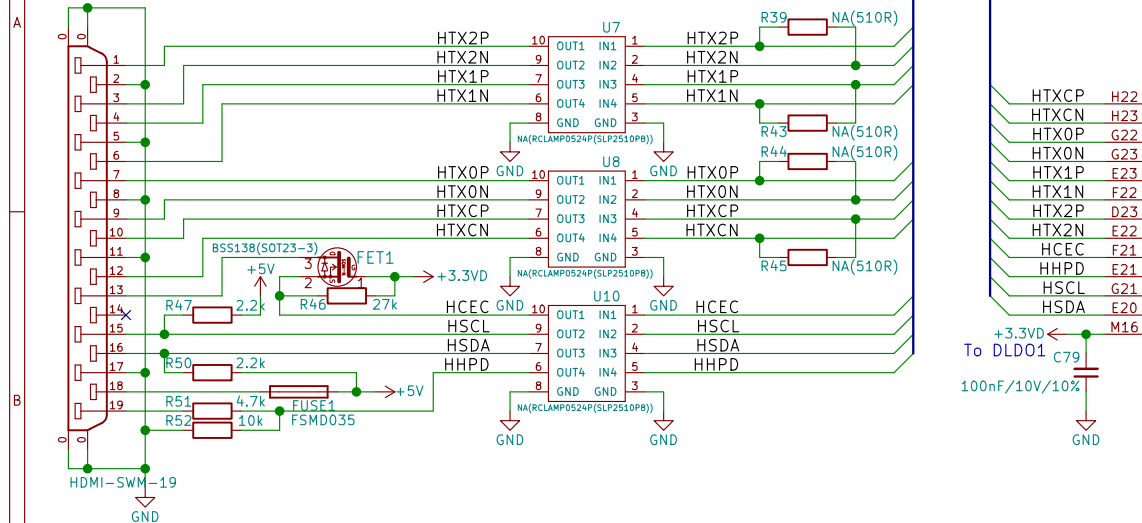
Title: A64-OLinuxino

Size: A3	Date: 2016-09-08
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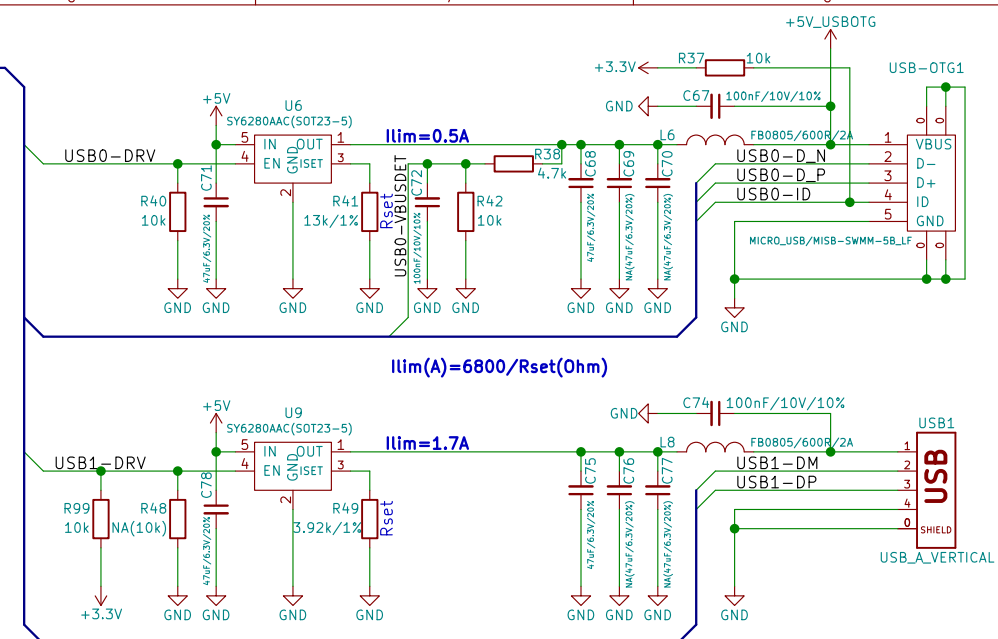
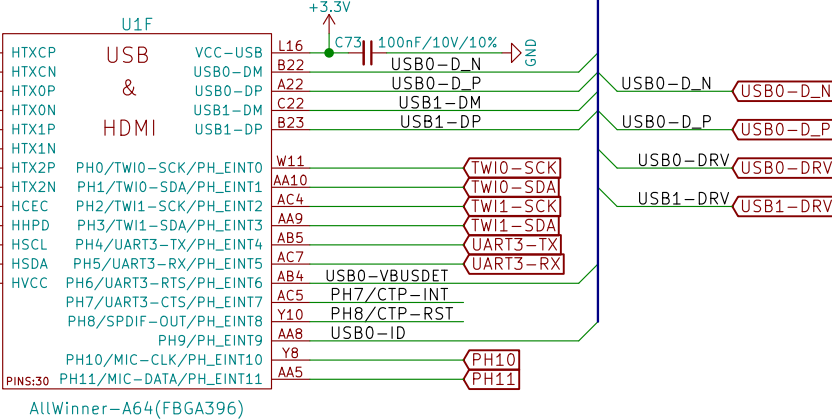
Size: AS	Date: 2018-09-08
KiCad E.D.A. kicad no-vcs-found-29557e458ubuntu16.04.1	

Rev: Rev_C

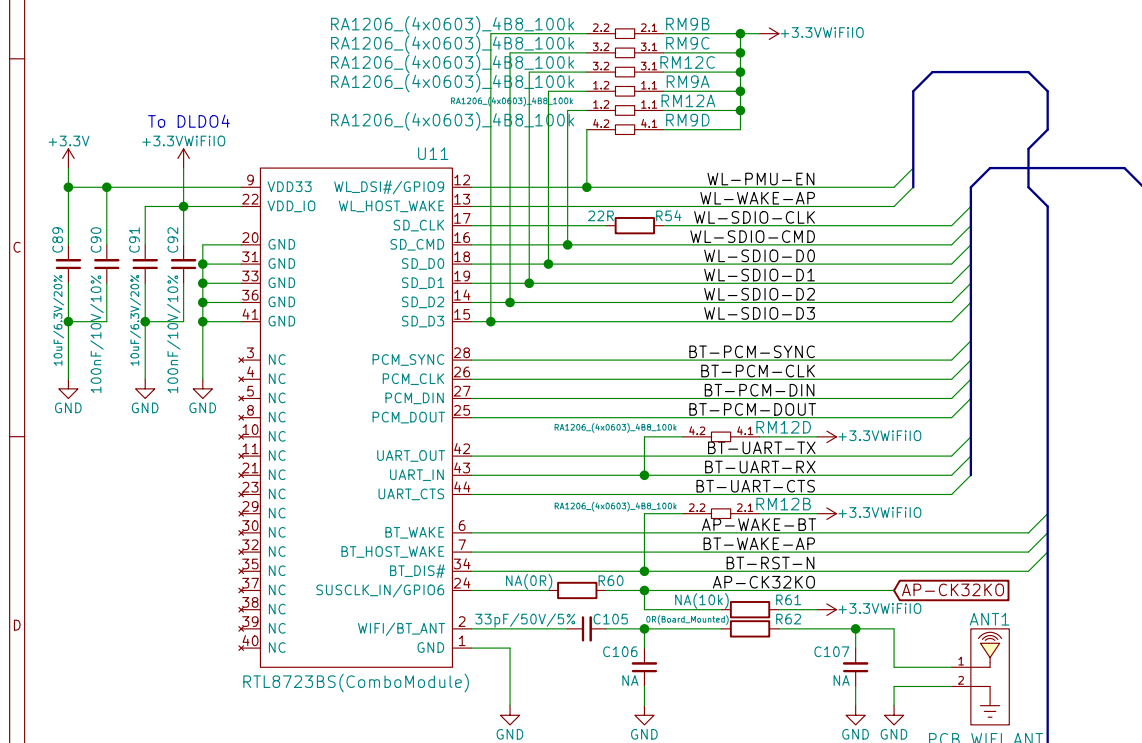
HDMI



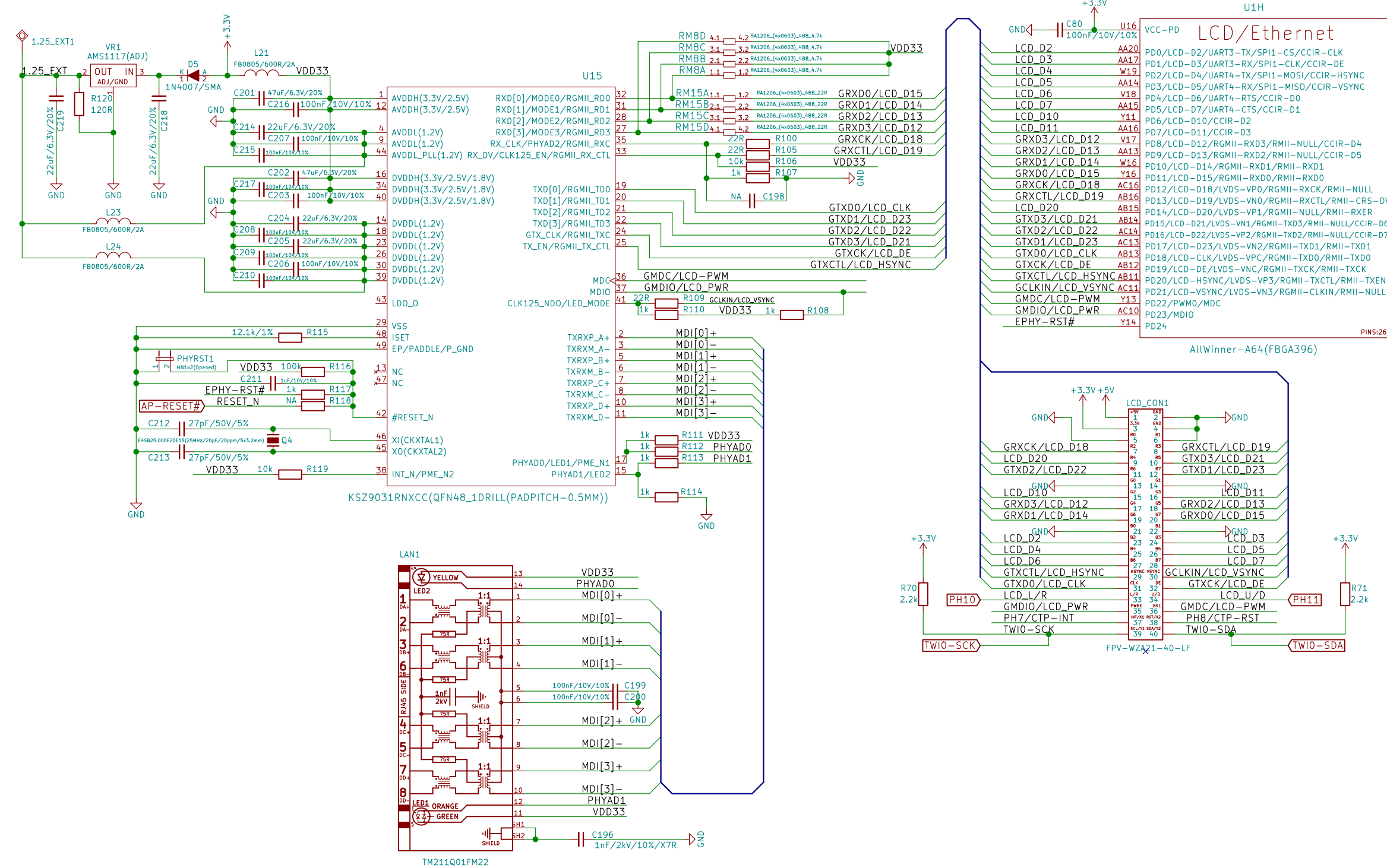
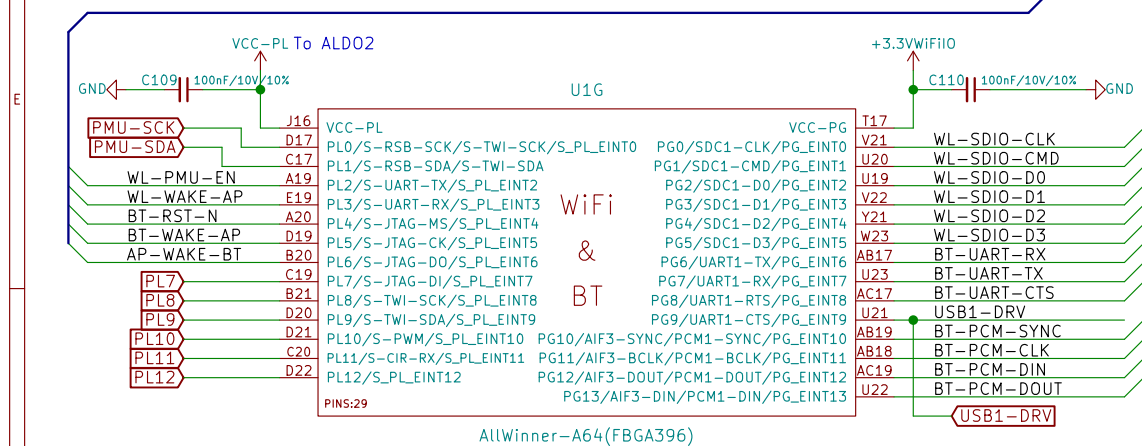
USB



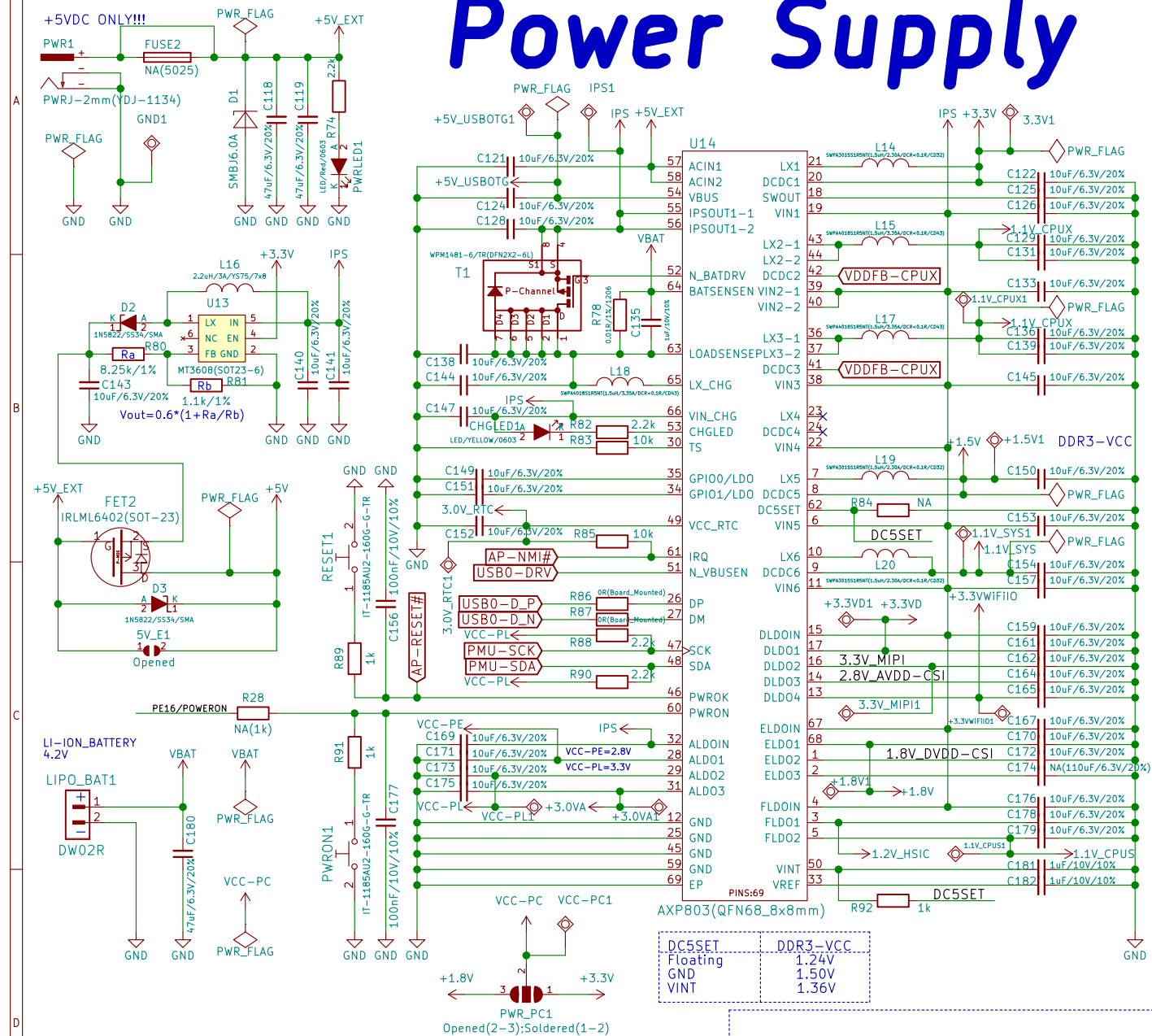
Gigabit Ethernet or LCD



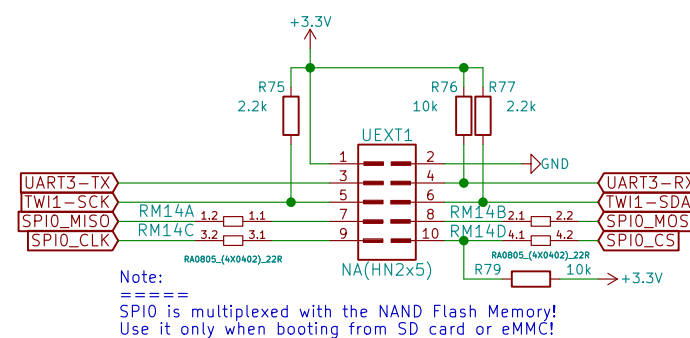
WiFi&BT



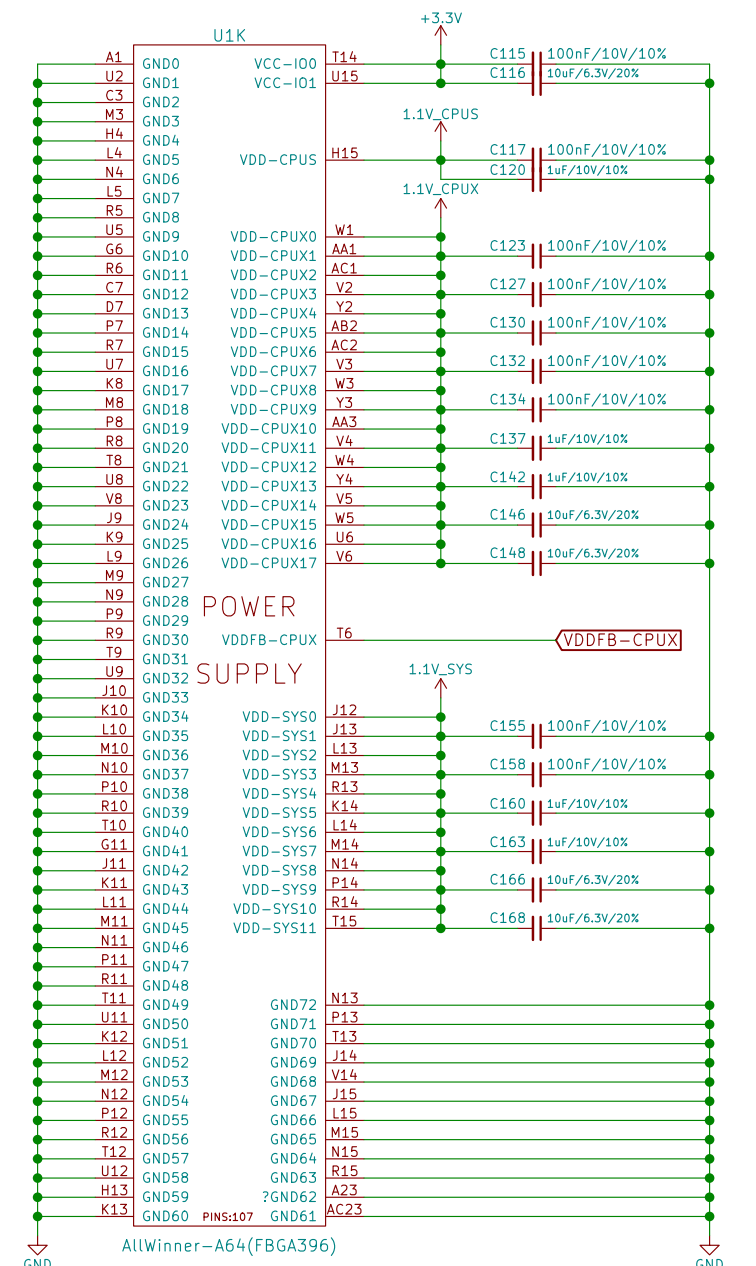
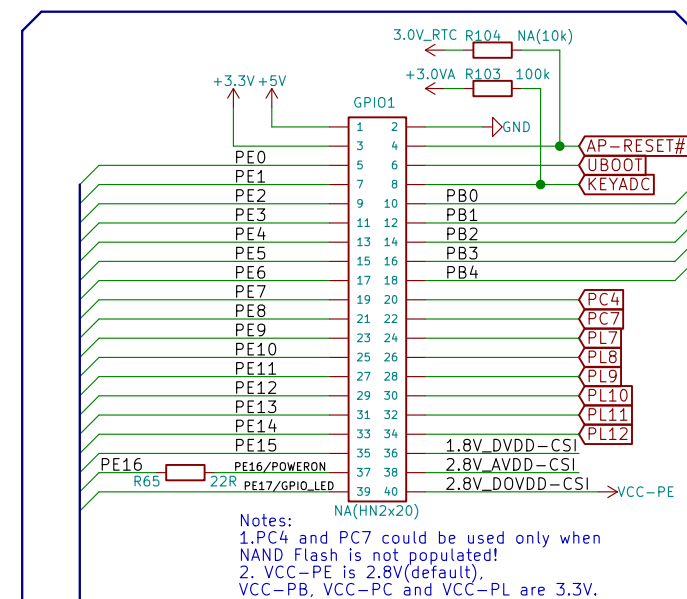
Power Supply



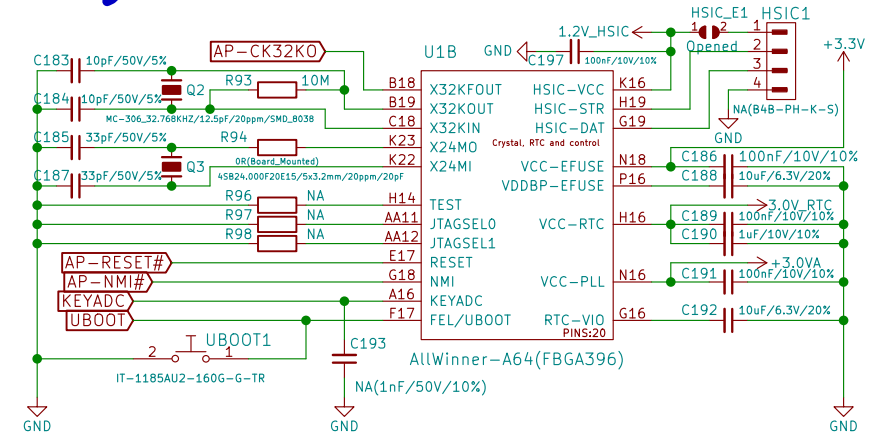
UEXT



Extension



Crystal, RTC & Control



<c> 2016 OLIMEX LTD, Bulgaria	
Sheet: /Power Supply, Extensions and MiPi-DSI/ File: Power Supply, Extensions and MiPi-DSI .sch	
Title: A64-OLinXino	
Size: A3	Date: 2016-09-08
KiCad E.D.A. kicad no-vcs-found-29557e458ubuntu16.04.1	

MiPi-DSI

