CONTENT INDEXING

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05.Nand/eMMC Flash
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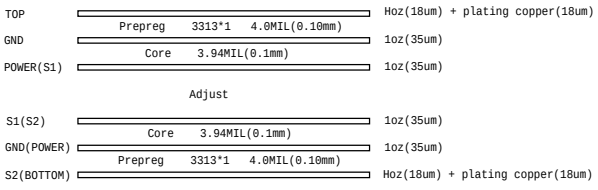
PCB POWER WIRE WIDTH INDICATE

	above 80 miles
	above 50 miles
	above 30 miles
	above 16 miles
No indicate	Under needs

6 LAYERS PCB STACK



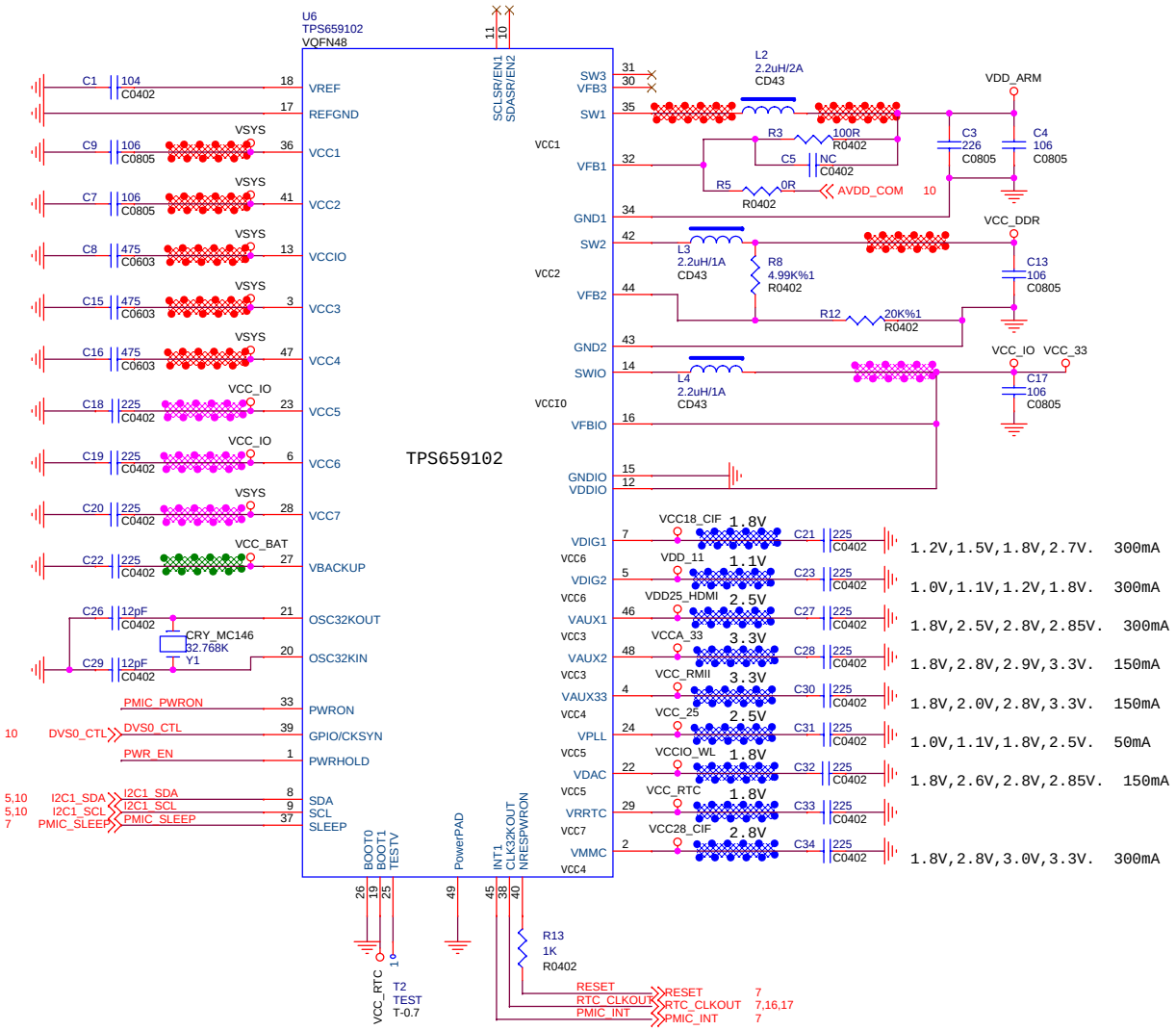
CM-RK3066

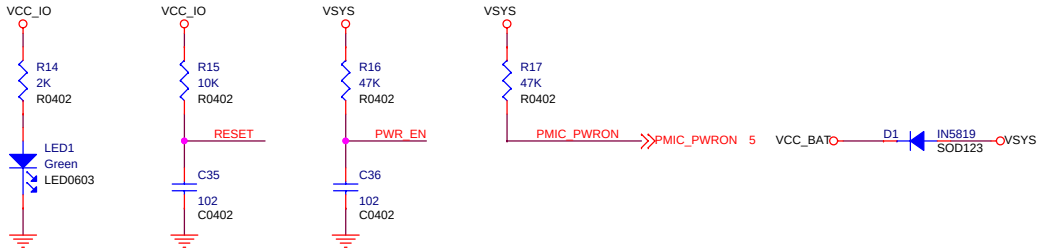
Designed by HAOYU Electronics

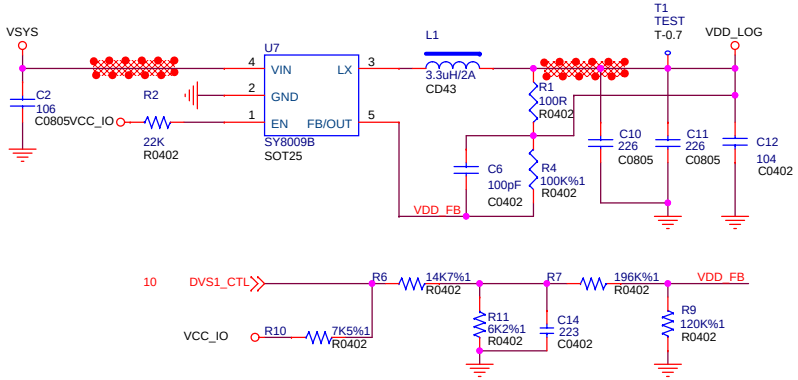
www.PowerMCU.com
www.MarsBoard.com

HAOYU ELECTRONICS	HAOYU Electronics	
Title: Index		
File: CM-RK3066		REV: 1.0
Create Date: Wednesday, December 14, 2011		Page Num: 1
Modify Date: Friday, October 18, 2013		Page Total: 9

Version	Date	Author	Change Note	Approved
V1.0	20130826		First edictor	

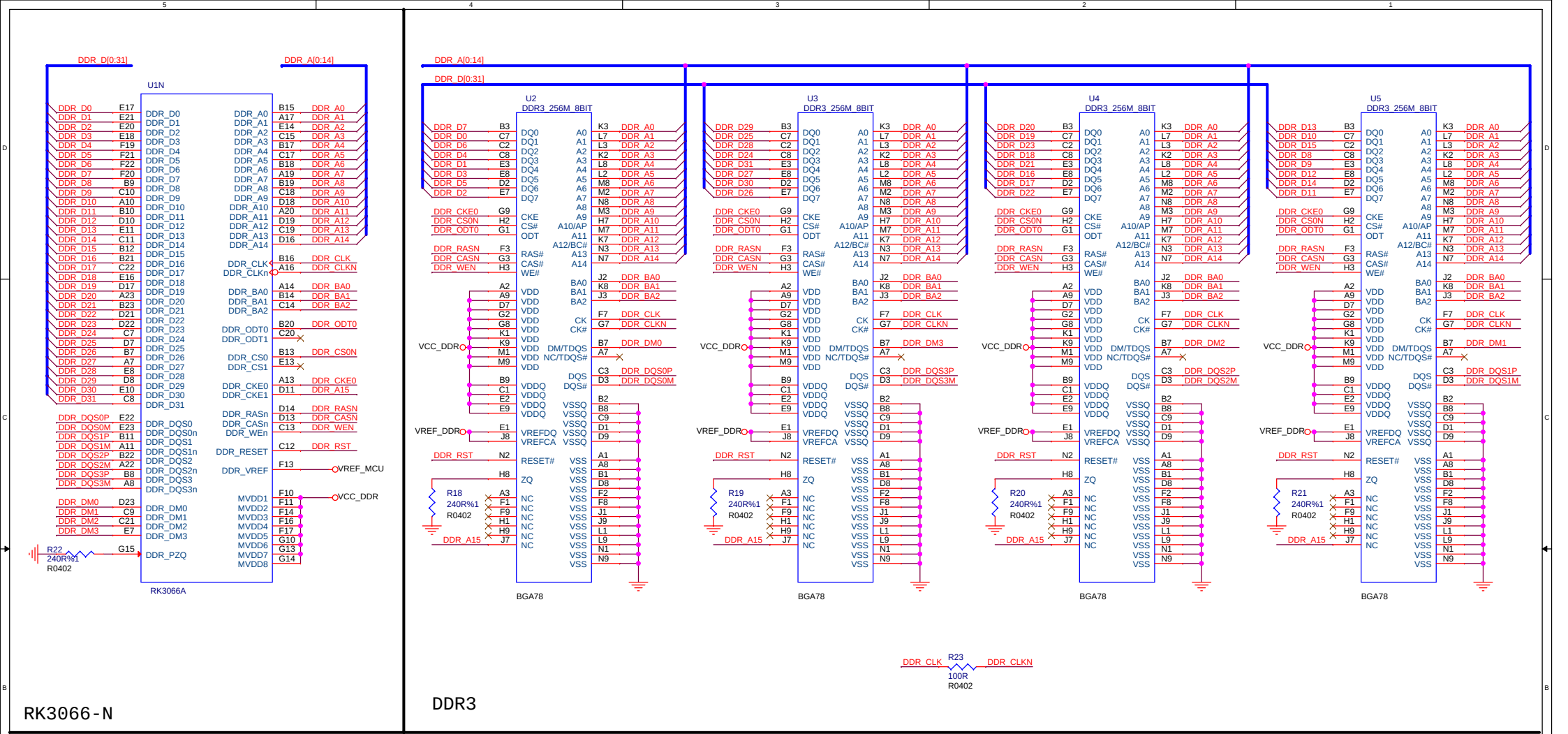






VDD_LOG POWER

HAOYU Electronics	
Title: System Power	
File: CM-RK3066	REV: 1.0
Create Date: Tuesday, November 29, 2011	Page Num: 3
Modify Date: Monday, December 23, 2013	Page Total: 9


RK3066-N
DDR3
DDR FILTER
U1N
RK3066A
U2
U3
U4
U5
DDR3_256M_8BIT
BGA78
DDR_D[0:31]
DDR_A[0:14]
VCC_DDR
VREF_DDR
VREF_MCU
R22 240R%1 R0402
R18 240R%1 R0402
R19 240R%1 R0402
R20 240R%1 R0402
R21 240R%1 R0402
R23 100R R0402
R24 1K%1 R0402
R25 1K%1 R0402
R26 1K%1 R0402
R27 1K%1 R0402
C37 22uF C0805
C38 1uF C0402
C39 1uF C0402
C40 0.1uF C0402
C41 0.1uF C0402
C42 0.1uF C0402
C43 0.1uF C0402
C44 0.1uF C0402
C45 0.1uF C0402
C46 0.1uF C0402
C47 0.1uF C0402
C48 0.1uF C0402
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C50 0.1uF C0402
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C57 0.1uF C0402
C58 22uF C0805
C59 22uF C0805
C60 1nF C0402
C61 1nF C0402
C62 1nF C0402
C63 1nF C0402
C64 1nF C0402
C65 10uF C0805
C66 1uF C0402
C67 0.1uF C0402
C68 0.1uF C0402
C69 0.1uF C0402
C70 0.1uF C0402
C71 0.1uF C0402
C72 0.1uF C0402
C73 0.1uF C0402
C74 0.1uF C0402
C75 0.1uF C0402
C76 0.1uF C0402
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C79 0.1uF C0402
C80 0.1uF C0402
C81 0.1uF C0402
C82 0.1uF C0402
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C84 0.1uF C0402
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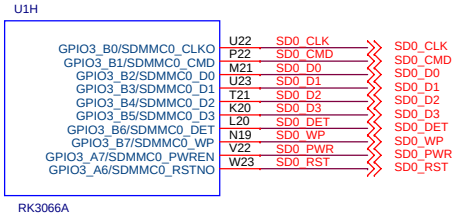
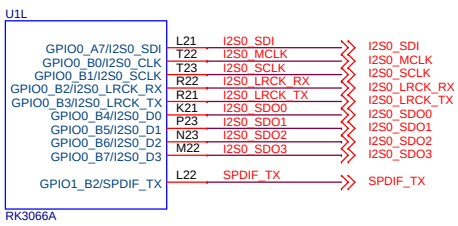
C86 0.1uF C0402
MarsBoard
www.MarsBoard.com
Title: DDR3
File: CM-RK3066
REV: 1.0
Create Date: Wednesday, August 28, 2013
Page Num: 4
Modify Date: Friday, October 18, 2013
Page Total: 9



RK3066-H



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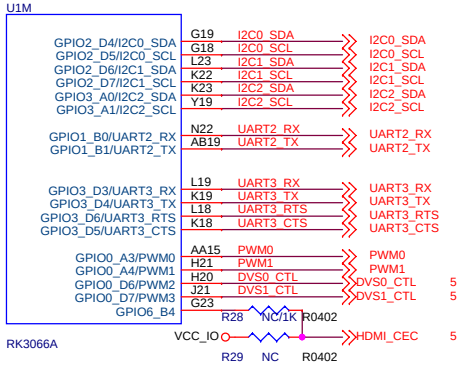

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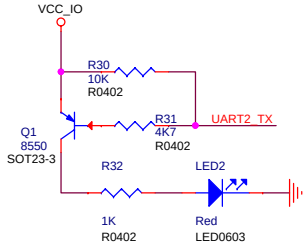
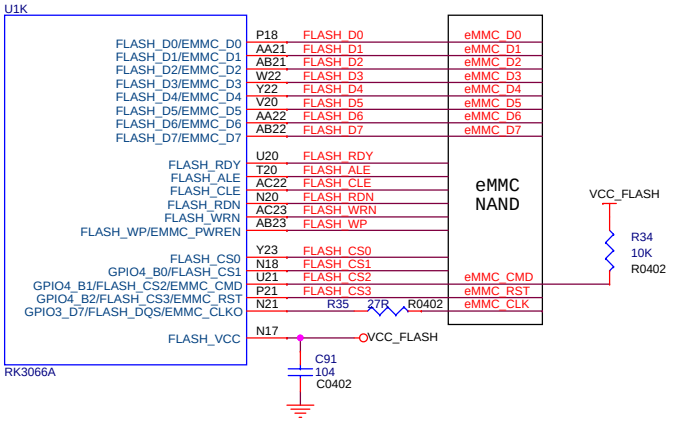
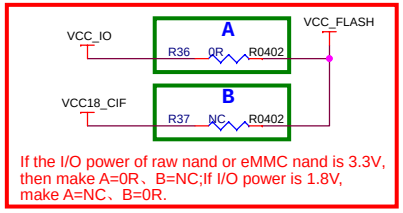
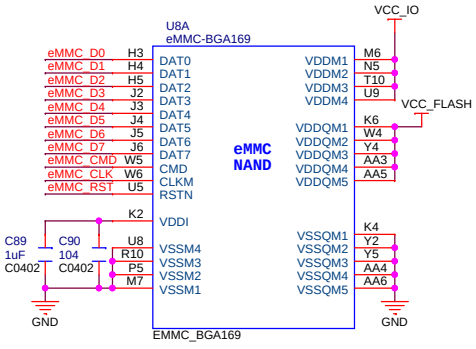




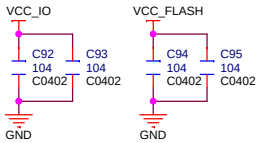
RK3066-K

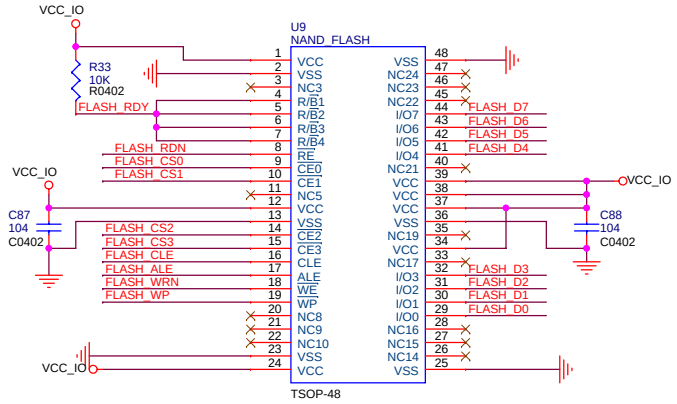
Default: A=0R; B=NC;





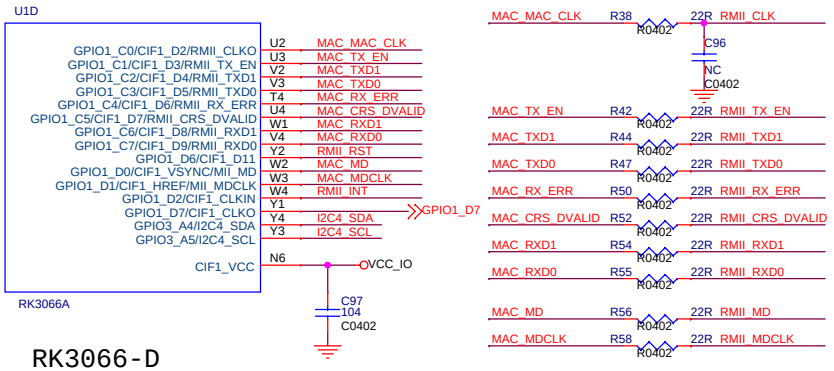
eMMC FLASH



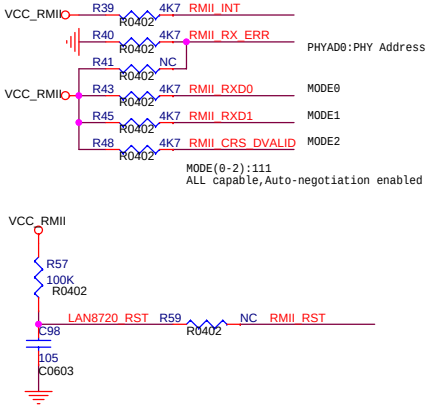


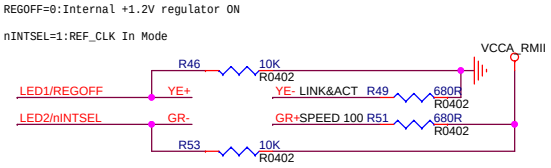
NAND FLASH

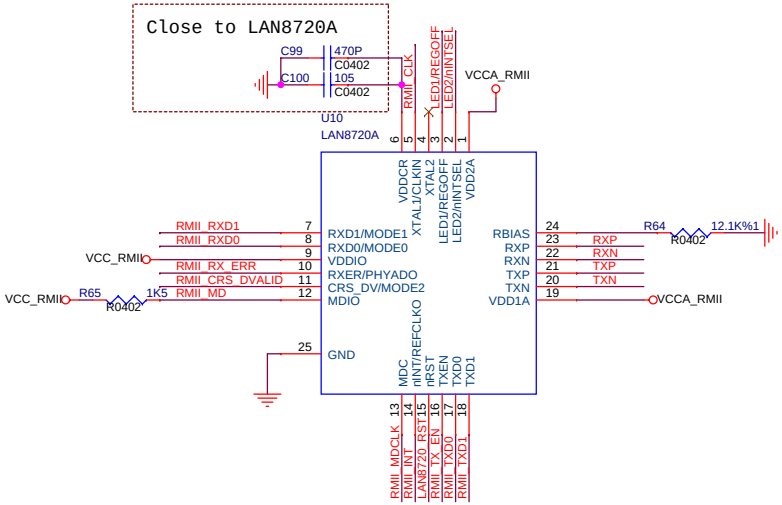
HAOYU ELECTRONICS	HAOYU Electronics
Title: Nand/eMMC Flash	
File: CM-RK3066	REV: 1.0
Create Date: Thursday, October 14, 2010	Page Num: 5
Modify Date: Friday, October 18, 2013	Page Total: 9



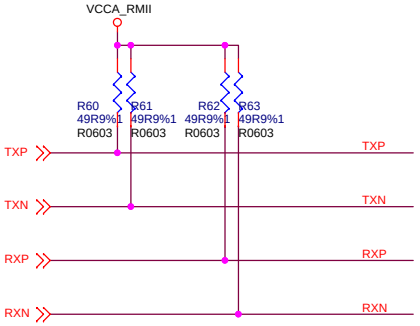
RK3066-D



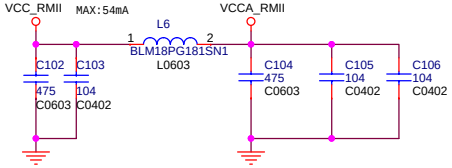




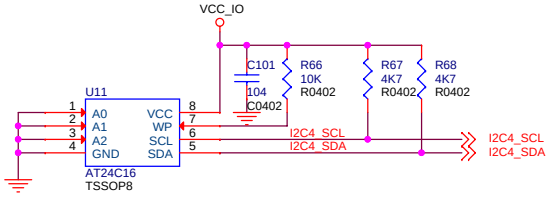
LAN8720A



NOTE:
Place 49.9 ohm
resistors(0603)
near LAN8720A.

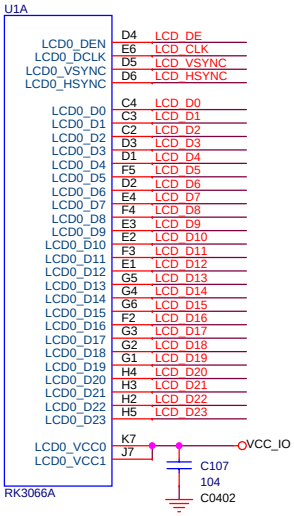


LAN8720A POWER

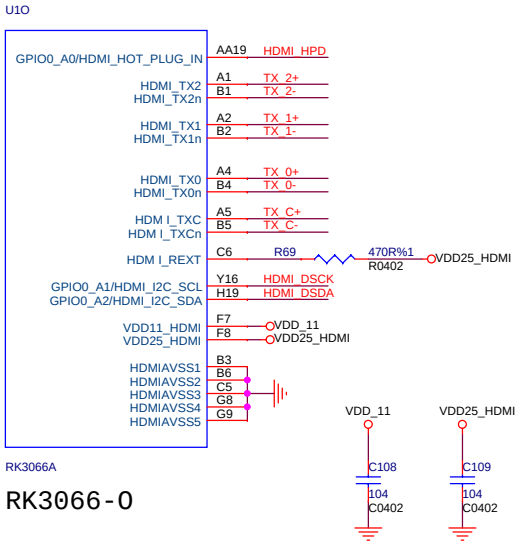


EEPROM :Ethernet MAC address

MarsBoard	www.MarsBoard.com
Title: RMII_Ethernet	
File: CM-RK3066	REV: 1.0
Create Date: Friday, October 15, 2010	Page Num: 6
Modify Date: Monday, December 23, 2013	Page Total: 9



RK3066-A



RK3066-O

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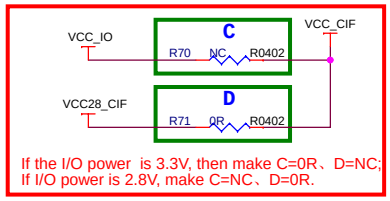

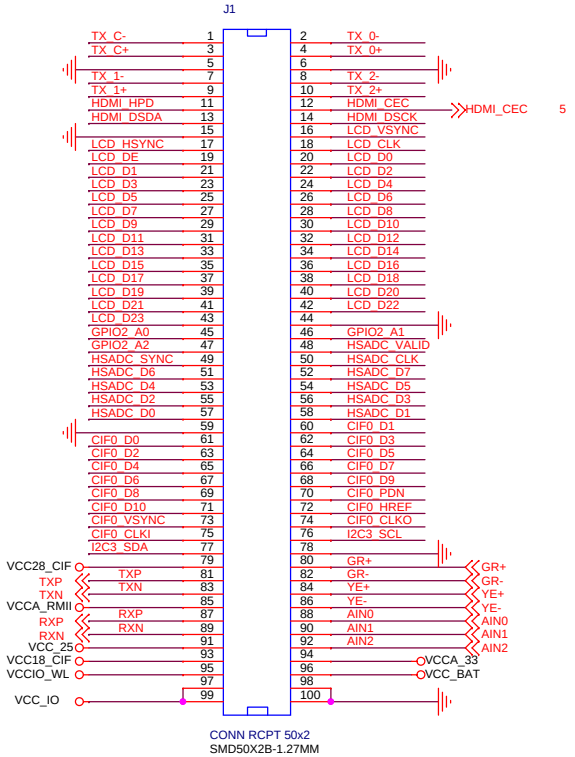

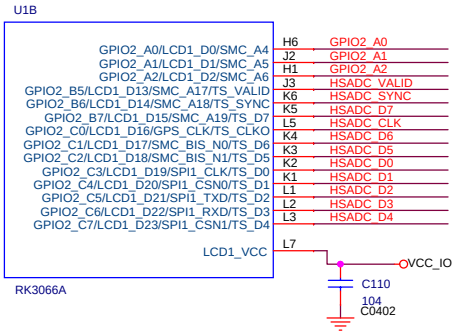

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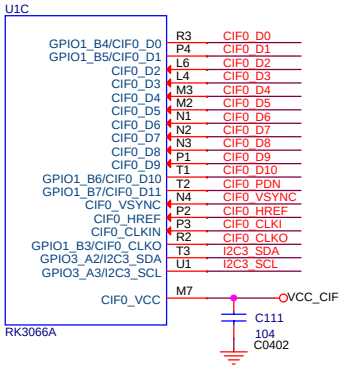

RK3066-C

HAOYU ELECTRONICS	HAOYU Electronics
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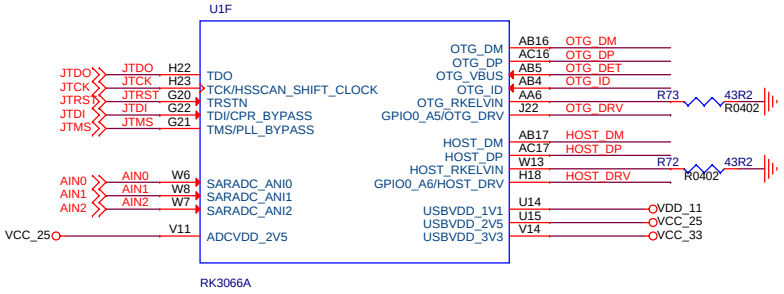
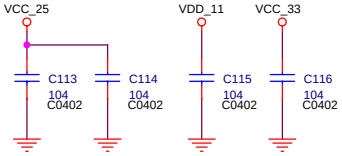
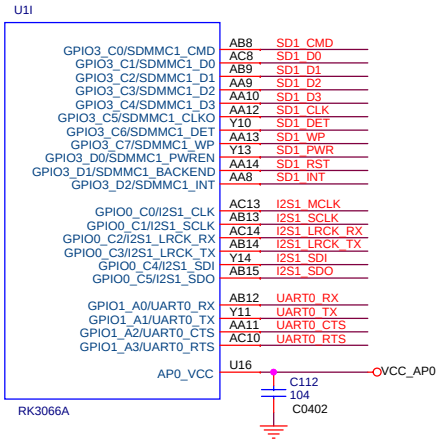
File: CM-RK3066	REV: 1.0
Create Date: Friday, October 15, 2010	Page Num: 7
Modify Date: Friday, October 18, 2013	Page Total: 9





RK3066-F



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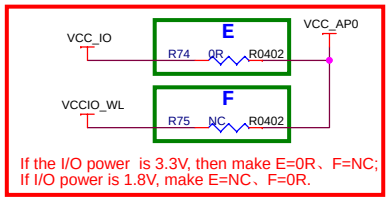

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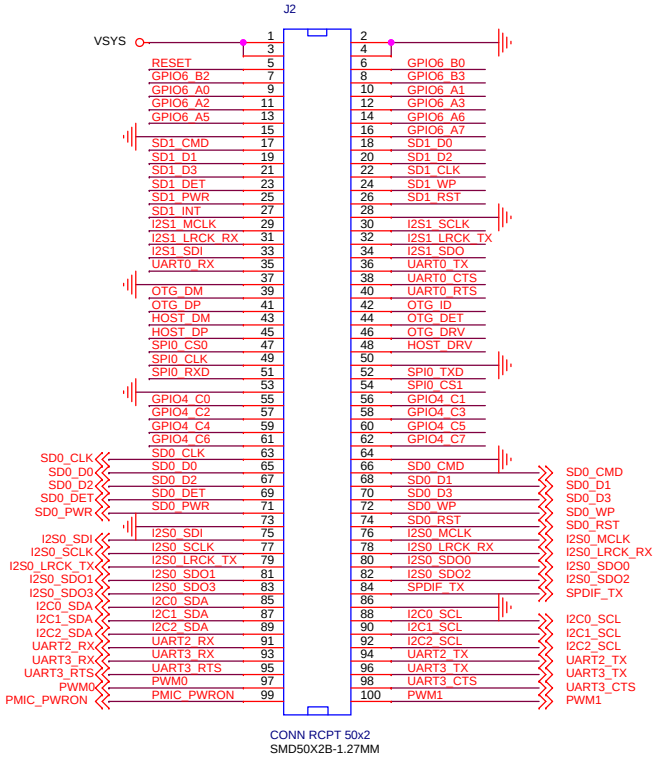
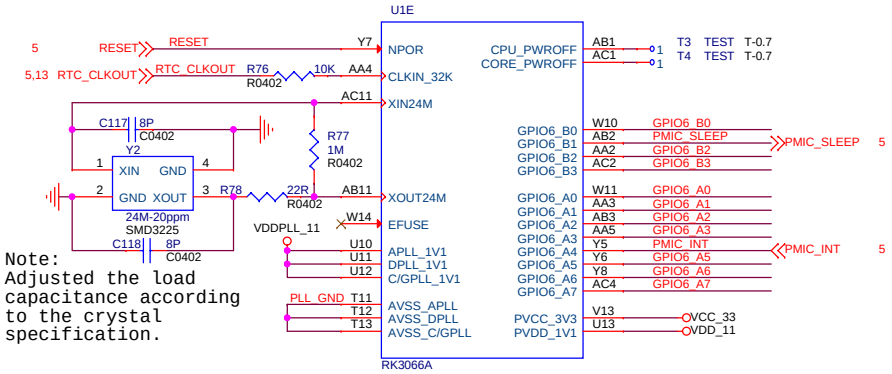
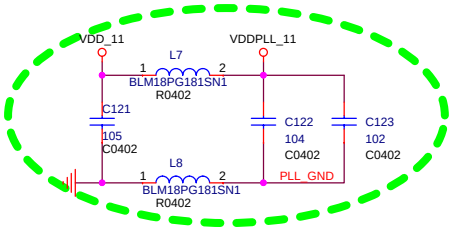
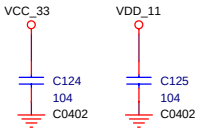




Note:
Adjusted the load capacitance according to the crystal specification.





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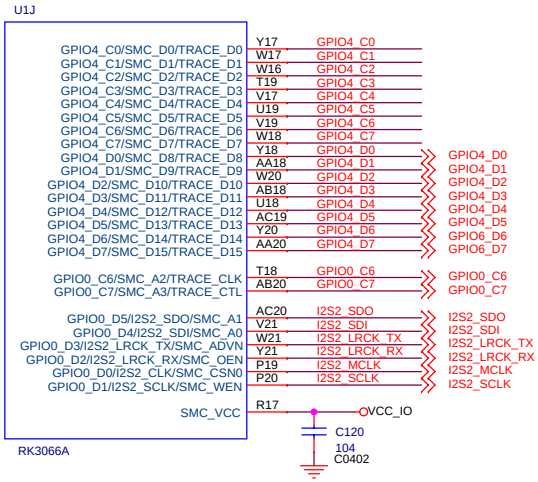

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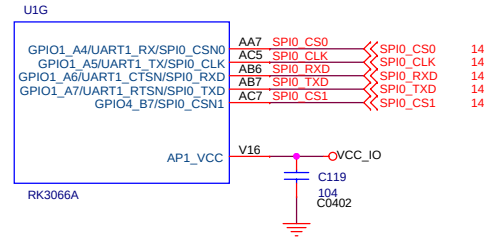
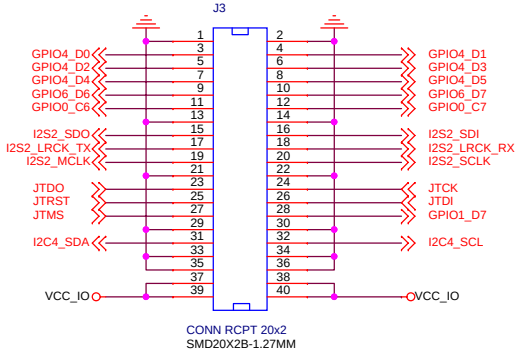
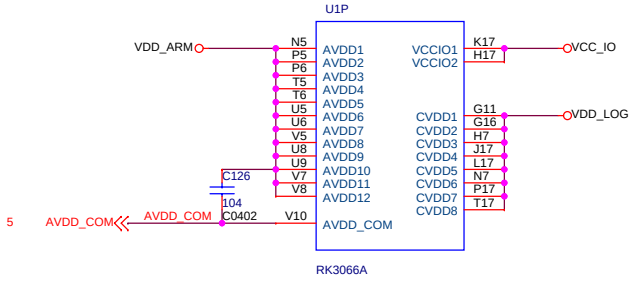


RK3066-G

MarsBoard	www.MarsBoard.com		
Title: Interface2			
File: CM-RK3066		REV: 1.0	
Create Date: Tuesday, November 29, 2011		Page Num: 8	
Modify Date: Friday, October 18, 2013		Page Total: 9	





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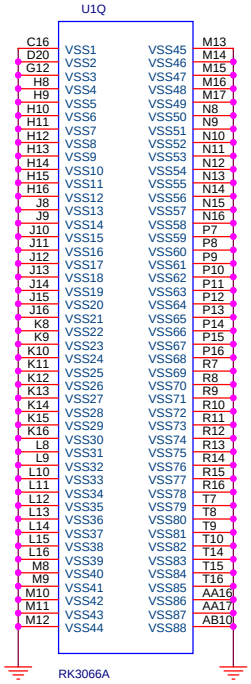

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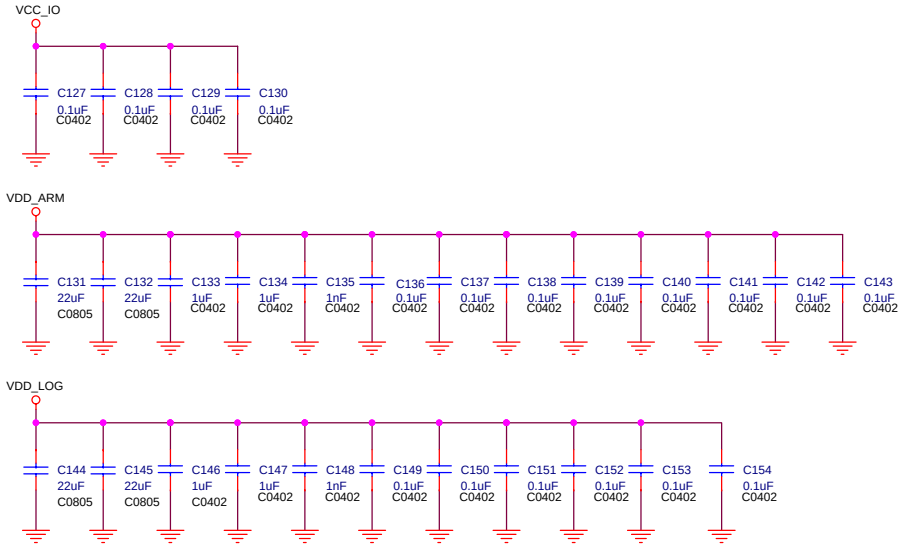

RK3066 CORE POWER FILTER

HAOYU ELECTRONICS	HAOYU Electronics	
Title: Interface3		
File: CM-RK3066		REV: 1.0
Create Date: Monday, October 18, 2010		Page Num: 9
Modify Date: Monday, December 23, 2013		Page Total: 9