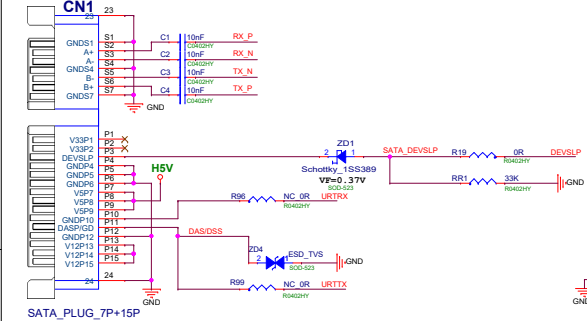


Revision History

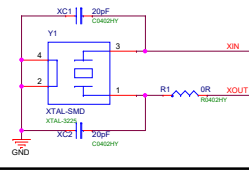
Revision	Date	Reason for redrawing	Page Update	Drawed	Checked	Approved
V1.0	2019/05/20	First edition	--	Hobart	Luson	Peter
V1.1	2019/07/11	1.BC1 and C301's packages changed to 0805 2.Added a capacitor(0805) on the VCC5I	Page2 Page3	Hobart	Joe	Peter

Page1	Cover_Page
Page2	Controller_BGA144
Page3	Power Supply Circuit
Page4	NF_BGA152x4 (CH0,CH1, CH2,CH3)
Page5	Flash Mounting Guide

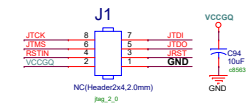
SATA PLUG 7P+15P CONNECTOR



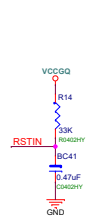
Crystal



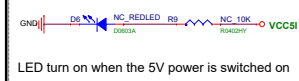
JTAG Port



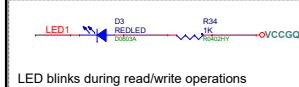
RESET



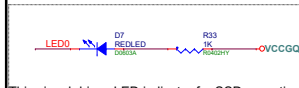
LED function



LED turn on when the 5V power is switched on

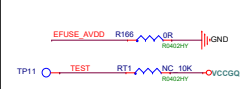


LED blinks during read/write operations

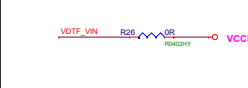


This signal drives LED indicator for SSD operation

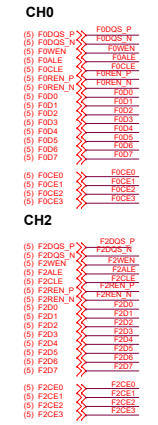
Testmode



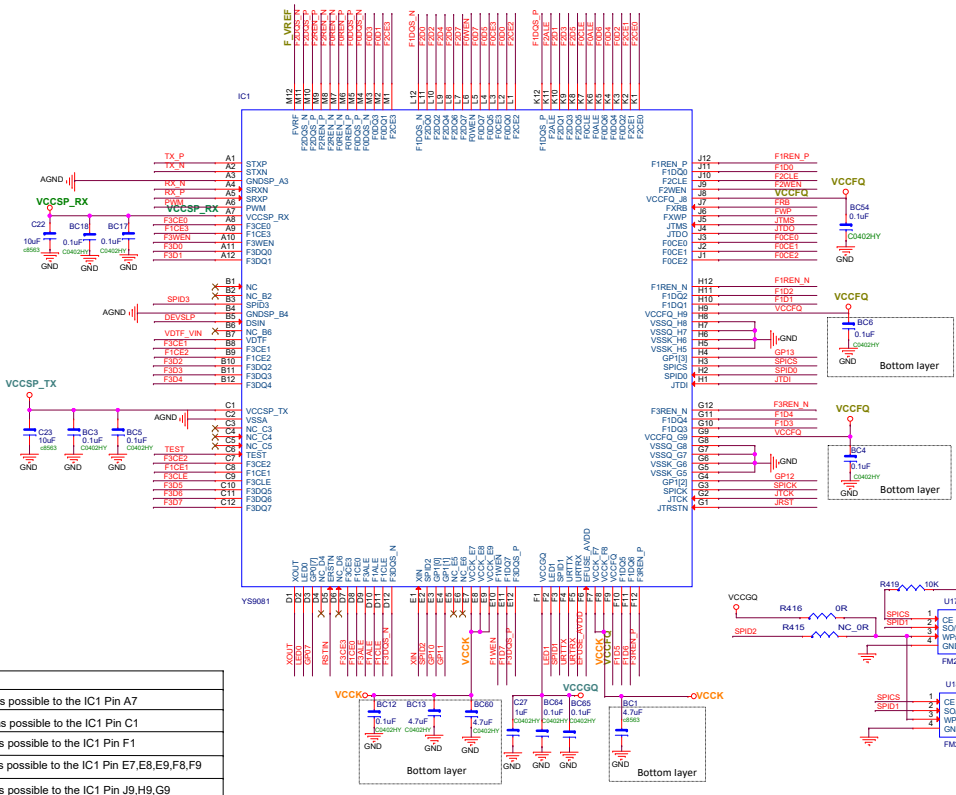
Internal VDT for Flash Core Power



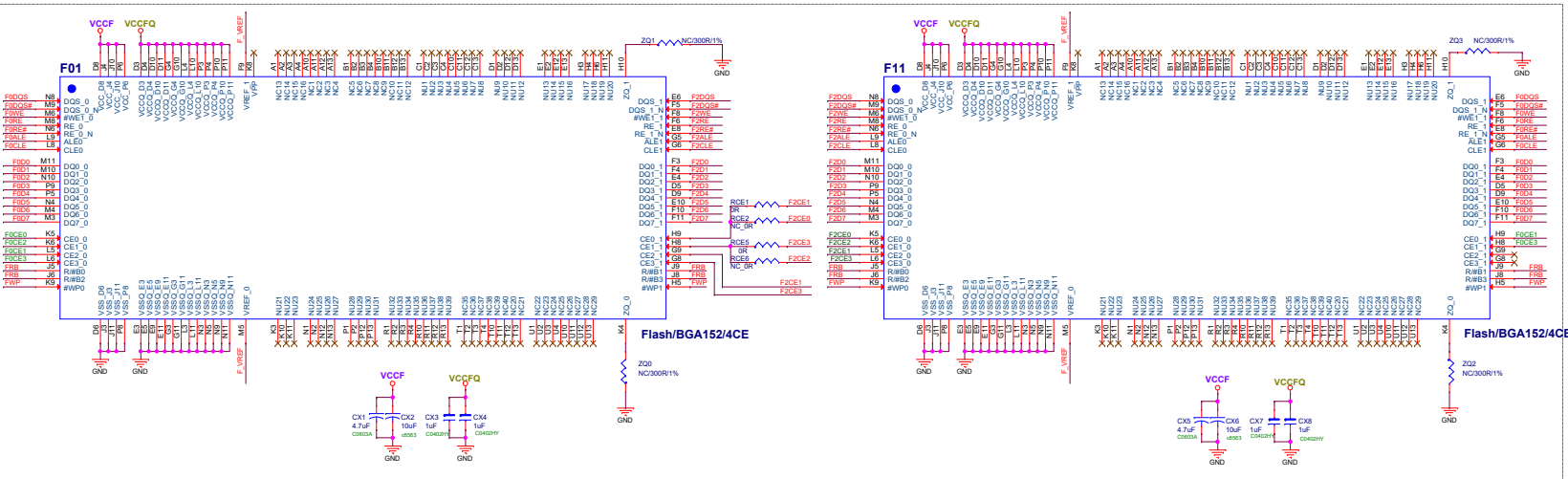
OffPage



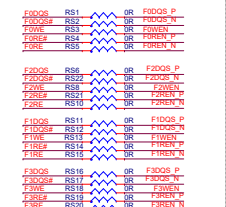
Controller YS9081XT-BGA144



Nand Flash Channel 0 & 2 & 1 & 3



Signal resistor

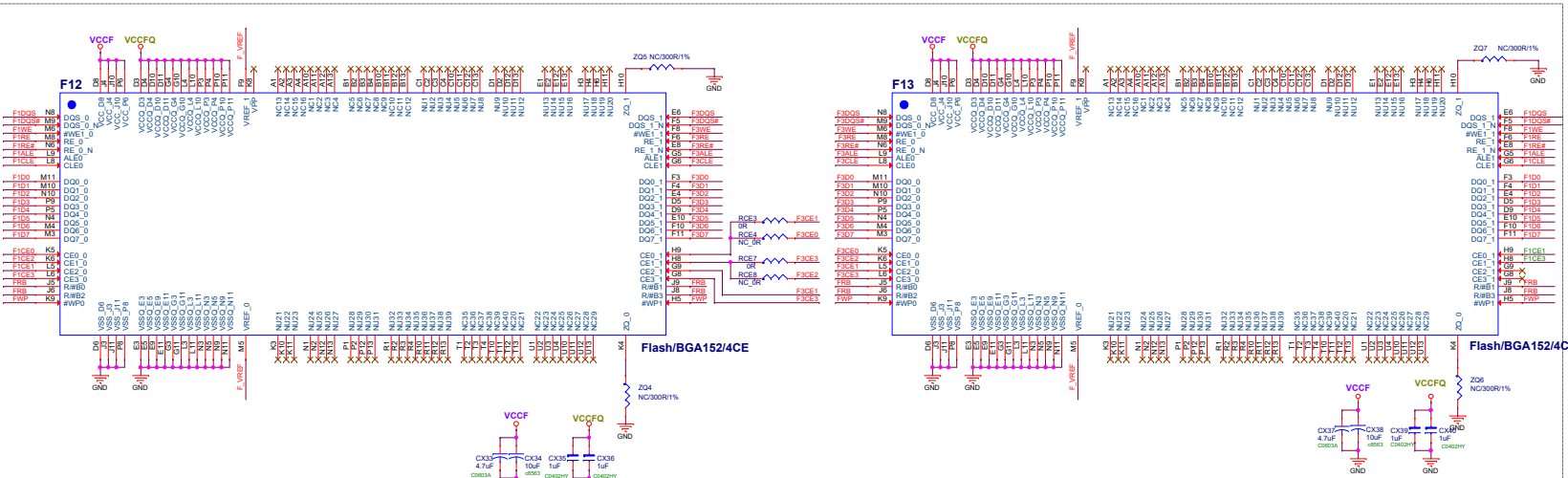


Note: These resistance are 0ohm in Default mode.

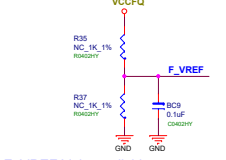
Signal pull-up



WP and RB resistor pull-up are reserved for alternate.



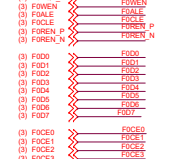
F_VREF



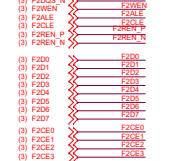
F_VREF Voltage divider is reserved for alternate.

OffPage

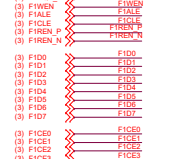
CH0



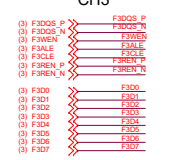
CH2



CH1



CH3



NAND FLASH Mounting Guide

YS9081XT BGA152/132 x4 NAND Flash Mounting Guide

FLASH类型/贴片数量	主控连接的通道/CE	主控CE使用	Flash位号选择				跳线电阻使用							
			F01	F11	F12	F13	RCE1	RCE2	RCE5	RCE6	RCE3	RCE4	RCE7	RCE8
1CH/1CE Flash 贴一颗	1CH/1CE	CE0	✓	×	×	×	×	×	×	×	×	×	×	×
1CH/1CE Flash 贴两颗	2CH/1CE	CE0	✓	✓	×	×	×	×	×	×	×	×	×	×
1CH/1CE Flash 贴三颗	3CH/1CE	CE0	✓	✓	✓	×	×	×	×	×	×	×	×	×
1CH/1CE Flash 贴四颗	4CH/1CE	CE0	✓	✓	✓	✓	×	×	×	×	×	×	×	×
1CH/2CE Flash 贴一颗	1CH/2CE	CE0,CE2	✓	×	×	×	×	×	×	×	×	×	×	×
1CH/2CE Flash 贴两颗	2CH/2CE	CE0,CE2	✓	✓	×	×	×	×	×	×	×	×	×	×
1CH/2CE Flash 贴三颗	3CH/2CE	CE0,CE2	✓	✓	✓	×	×	×	×	×	×	×	×	×
1CH/2CE Flash 贴四颗	4CH/2CE	CE0,CE2	✓	✓	✓	✓	×	×	×	×	×	×	×	×
1CH/4CE Flash 贴一颗	1CH/4CE	CE0,CE1,CE2,CE3	✓	×	×	×	×	×	×	×	×	×	×	×
1CH/4CE Flash 贴两颗	2CH/4CE	CE0,CE1,CE2,CE3	✓	✓	×	×	×	×	×	×	×	×	×	×
1CH/4CE Flash 贴三颗	3CH/4CE	CE0,CE1,CE2,CE3	✓	✓	✓	×	×	×	×	×	×	×	×	×
1CH/4CE Flash 贴四颗	4CH/4CE	CE0,CE1,CE2,CE3	✓	✓	✓	✓	×	×	×	×	×	×	×	×
2CH/2CE Flash 贴一颗	2CH/1CE	CE0	✓	×	×	×	×	✓	×	×	×	×	×	×
2CH/2CE Flash 贴两颗	2CH/2CE	CE0,CE2	✓	✓	×	×	✓	×	×	×	×	×	×	×
2CH/2CE Flash 贴两颗	4CH/1CE	CE0	✓	×	✓	×	×	✓	×	×	×	✓	×	×
2CH/2CE Flash 贴四颗	4CH/2CE	CE0,CE1	✓	✓	✓	✓	✓	×	×	×	✓	×	×	×
2CH/4CE Flash 贴一颗	2CH/2CE	CE0,CE2	✓	×	×	×	×	✓	×	✓	×	×	×	×
2CH/4CE Flash 贴两颗	2CH/4CE	CE0,CE1,CE2,CE3	✓	✓	×	×	✓	×	✓	×	×	×	×	×
2CH/4CE Flash 贴两颗	4CH/2CE	CE0,CE2	✓	×	✓	×	×	✓	×	✓	×	✓	×	✓
2CH/4CE Flash 贴四颗	4CH/4CE	CE0,CE1,CE2,CE3	✓	✓	✓	✓	✓	×	✓	×	✓	×	✓	×
2CH/8CE Flash 贴一颗	2CH/4CE	CE0,CE1,CE2,CE3	✓	×	×	×	×	✓	×	✓	×	×	×	×
2CH/8CE Flash 贴两颗	4CH/4CE	CE0,CE1,CE2,CE3	✓	×	✓	×	×	✓	×	✓	×	✓	×	✓
			✓	贴片										
			×	不贴片										
说明：上述列表未列出来的表示不支持														