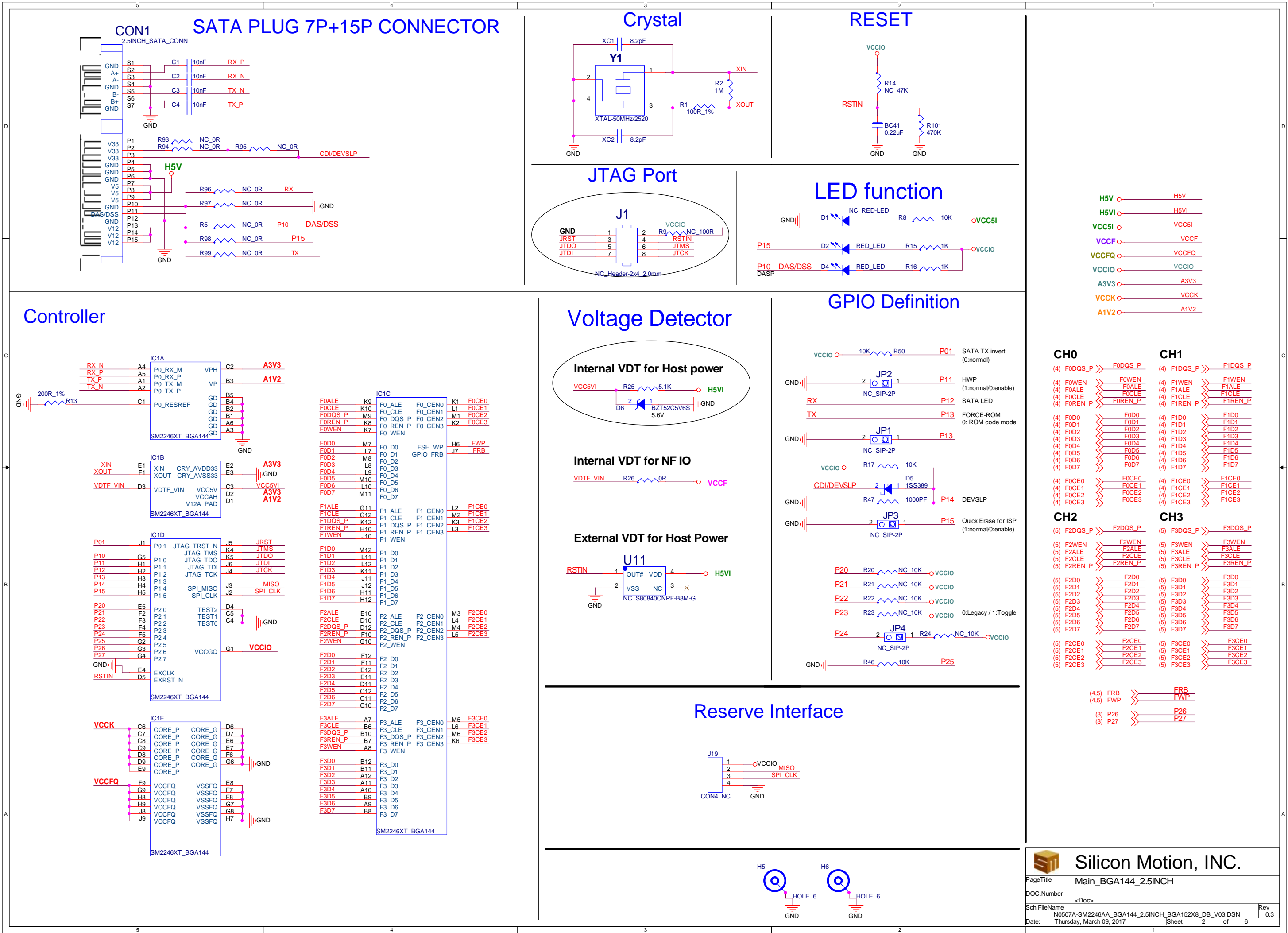


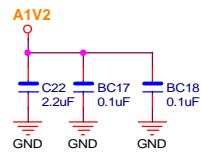
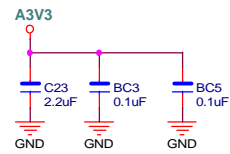
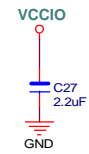
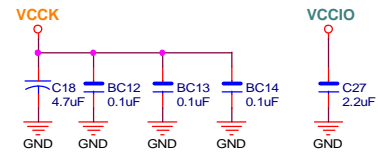
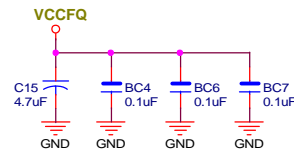
D

CB

A

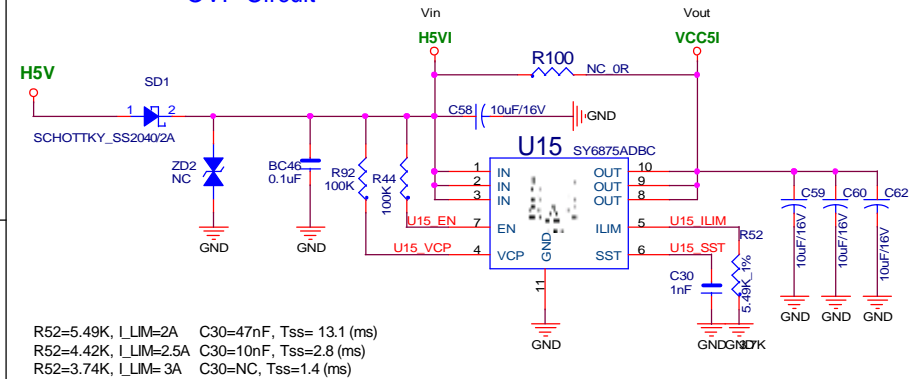


SM2246AA Bypass Capacitors

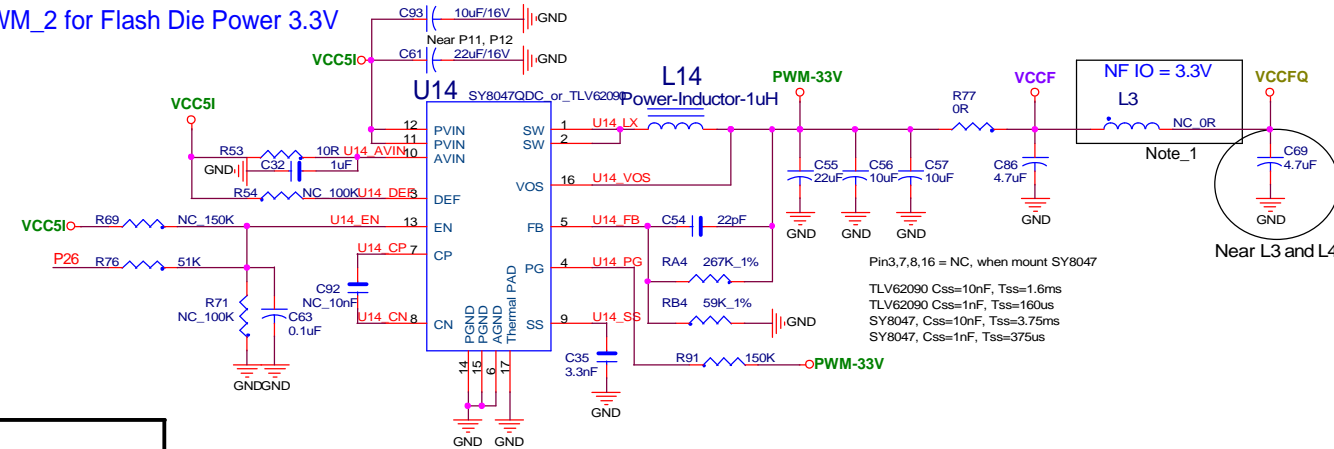


A3V3= 3.0 / 3.3 / 3.6 (V) For AIP power
A1V2=VDDTX_PHY=VDDR3_PHY= 1.14 / 1.2 / 1.26 (V) For AIP power
VCCK = 1.2 (V) For SM2246AA core power
VCC = 3.3 / 1.8 (V) For General IO power
VCCF = 3.3 (V) For NAND flash Core Power
VCCFQ = 3.3 / 1.8 (V) For NAND flash IO Power

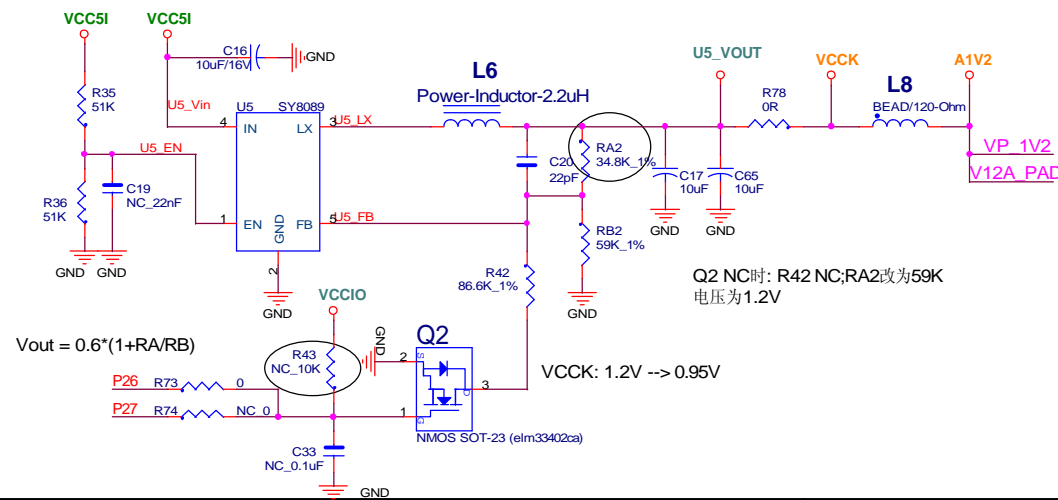
OVP Circuit



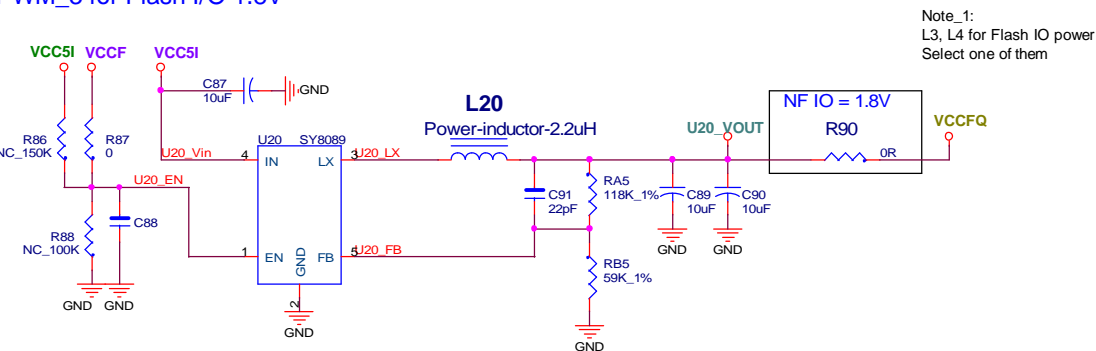
PWM_2 for Flash Die Power 3.3V



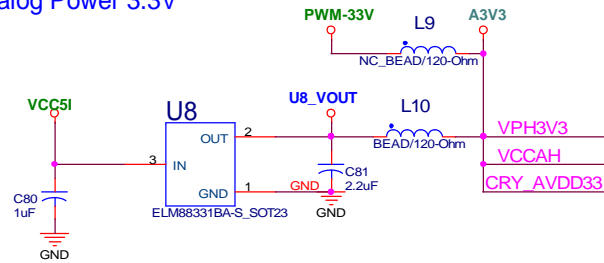
PWM_1 for VCCK/A1V2 1.2V



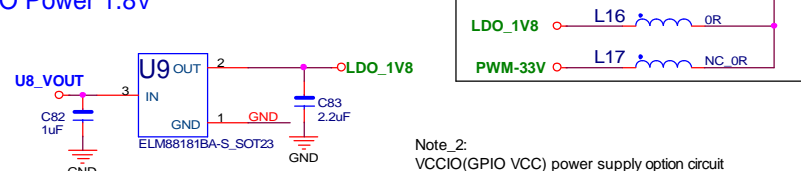
PWM_3 for Flash I/O 1.8V



LDO_2: Analog Power 3.3V

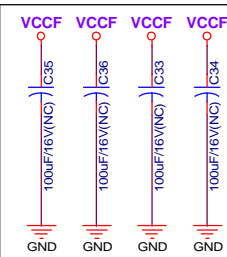


LDO_3: VCCIO Power 1.8V



Note_2:
VCCIO(GPIO VCC) power supply option circuit

1. With DEVSLP Low Power SPEC
Flash I/O = 3.3V, select L16 or L15
Flash I/O = 1.8V, select L16
2. Without DEVSLP Low Power SPEC
Flash I/O = 3.3V or 1.8V, Select L17



SM224646XT+L06B 3.3V部份要加的电容如下:
NAND core power VCCF 需要电容值如下:
64GB == need extra 150uF;
128GB == need extra 150uF;
256GB == need extra 300uF

Figure 1 illustrates the 128Kbit 1T1R1C1 array architecture. The diagram shows a grid of memory cells. The word lines are labeled (2) P26 and (2) P27. The bit lines are labeled H5V, H5VI, VCC5I, VCCF, VCCFQ, VCCIO, A3V3, VCCCK, and A1V2. Each cell is represented by a small circle with a horizontal line through it, indicating the 1T1R1C1 structure.



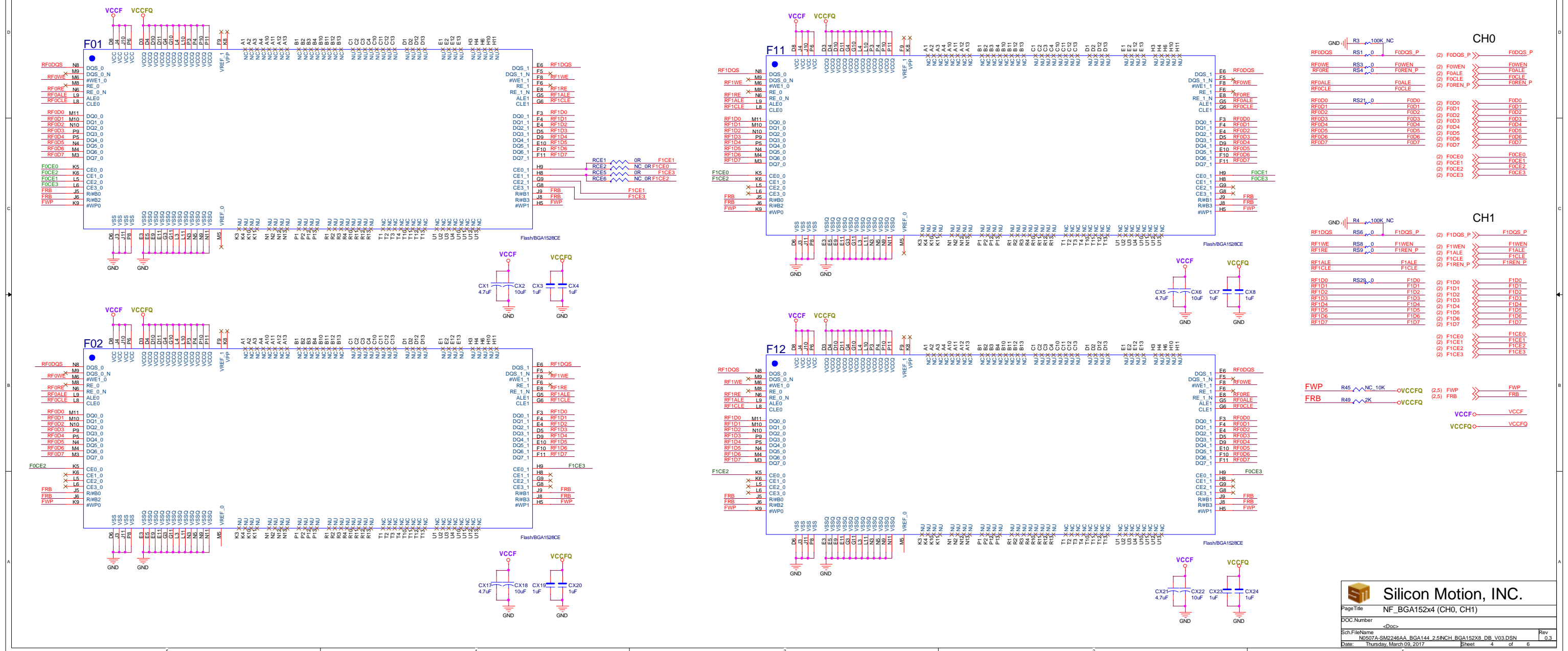
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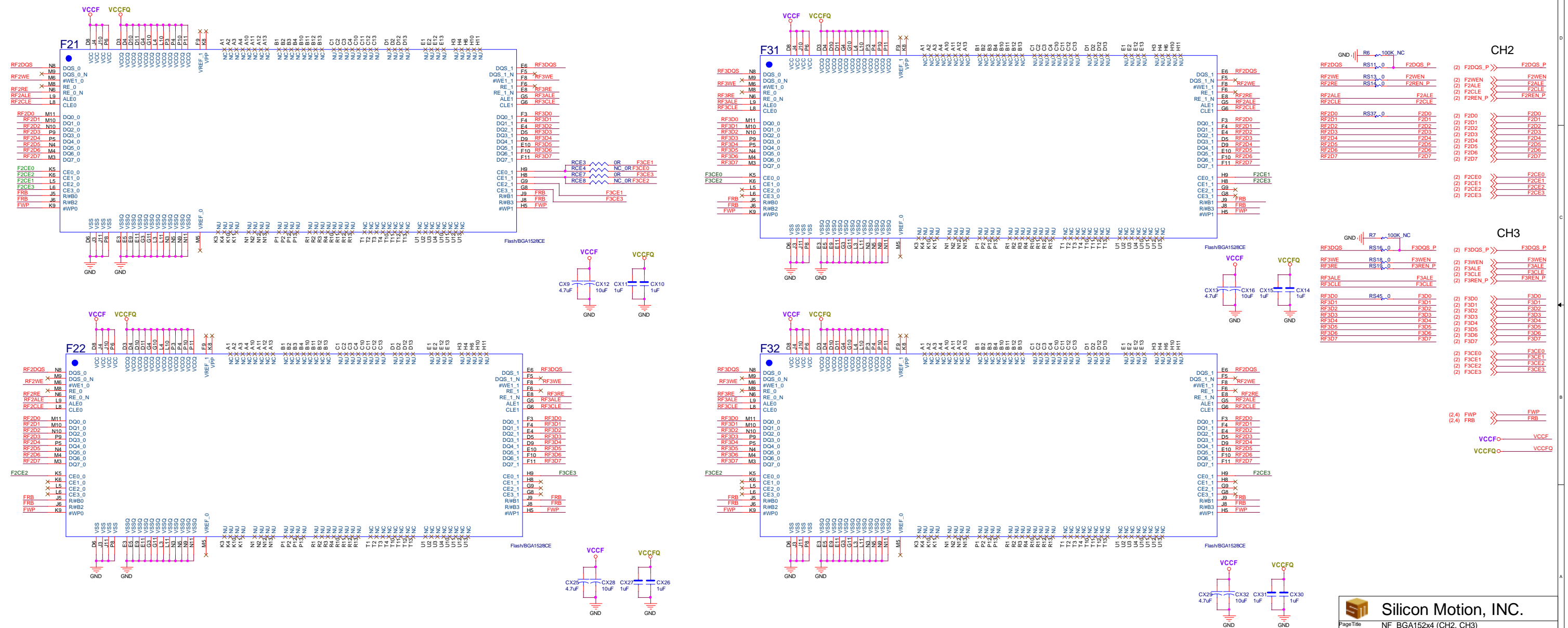
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N0507A-SM2246AA BGA144 2.5INCH BGA152X8 DB V03.DSN			
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Channel 0 & 1



Channel 2 & 3



NAND FLASH Mounting Guide

XT-BGA144 BGA152x8 NAND Flash Install Guide

NAND Flash Type	F01	F11	F02	F12	F21	F31	F22	F32	NF Config.	RCE1	RCE2	RCE3	RCE4	RCE5	RCE6	RCE7	RCE8	CE usage
Single CE flash x1	⊙	X	X	X	X	X	X	X	1CH/1CE	△	△	△	△	△	△	△	△	CE0
Single CE flash x2	⊙	⊙	X	X	X	X	X	X	2CH/1CE	△	△	△	△	△	△	△	△	CE0
Single CE flash x3	⊙	⊙	X	X	⊙	X	X	X	3CH/1CE	△	△	△	△	△	△	△	△	CE0
Single CE flash x4	⊙	⊙	X	X	⊙	⊙	X	X	4CH/1CE	△	△	△	△	△	△	△	△	CE0
Single CE flash x8	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	4CH/2CE	△	△	△	△	△	△	△	△	CE0,CE2
Dual CE flash x1	⊙	X	X	X	X	X	X	X	2CH/1CE	X	⊙	△	△	△	△	△	△	CE0
Dual CE flash x2	⊙	⊙	X	X	X	X	X	X	2CH/2CE	⊙	X	△	△	△	△	△	△	CE0,CE1
Dual CE flash x2	⊙	X	X	X	⊙	X	X	X	4CH/1CE	X	⊙	X	⊙	△	△	△	△	CE0
Dual CE flash x4	⊙	⊙	X	X	⊙	⊙	X	X	4CH/2CE	⊙	X	⊙	X	△	△	△	△	CE0,CE1
Dual CE flash x8	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	4CH/4CE	⊙	X	⊙	X	⊙	X	⊙	X	CE0,CE1,CE2,CE3
Quad CE flash x1	⊙	X	X	X	X	X	X	X	2CH/2CE	X	⊙	△	△	X	⊙	△	△	CE0,CE2
Quad CE flash x2	⊙	⊙	X	X	X	X	X	X	2CH/4CE	⊙	X	△	△	⊙	X	△	△	CE0,CE1,CE2,CE3
Quad CE flash x2	⊙	X	X	X	⊙	X	X	X	4CH/2CE	X	⊙	X	⊙	X	⊙	X	⊙	CE0,CE2
Quad CE flash x4	⊙	⊙	X	X	⊙	⊙	X	X	4CH/4CE	⊙	X	⊙	X	⊙	X	⊙	X	CE0,CE1,CE2,CE3
8 CE flash x1	⊙	X	X	X	X	X	X	X	2CH/4CE	X	⊙	△	△	X	⊙	△	△	CE0,CE1,CE2,CE3
8 CE flash x2	⊙	X	X	X	⊙	X	X	X	4CH/4CE	X	⊙	X	⊙	X	⊙	X	⊙	CE0,CE1,CE2,CE3
M0107A										⊙	Install							
										X	un-install							
										△	Don't care (it is fine if resistor mouning or not.)							



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