

Write protect switch

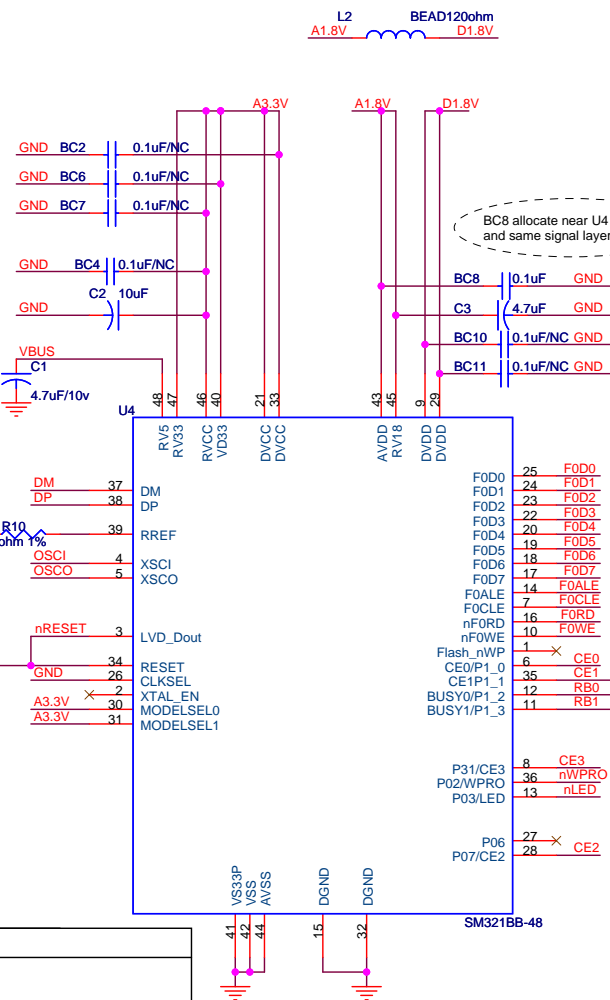
If don't need this switch ,just delete it



- Notes:
- 1, The VBUS line width should be over 20mils.
 - 2, The A3.3V line width should be over 20mils.
 - 3, The A1.8V line width should be over 15mils.
 - 4, The USB transmission line width = 8mils.
 - 5, The USB transmission line pitch between them = 12 mils.
 - 6, DP,DM pin to USB connector is as short as possible.
 - 7, PCB layout with DP / DM trace is fully symmetric.

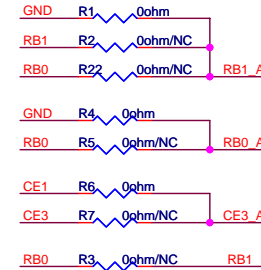
Release Notation

Date	Revision	Comments
2006.3	2.0	For SM321BB ,First Release
2006.6	2.1	1, Add R25 for current limitation.
2006.9	2.2	1, modify C1 rated voltage. 2, modify R25 package size.
2006.10	2.3	modify C5 value from 2 pF to 5pF.
2006.11	2.3A	1, delete CM1 and add BC12,BC13,R26,R27 for EMI. 2, add L2 for improve USB signal. 3, delete R4,R5,R6,R7 for single flash . 4, delete U1 , SB1 for use internal LDO.
2006.12	2.4	1, add R4,R5,R6,R7 for support two flash. 2, delete BC12 ,BC13. 3, change note item 2,3 and 5.



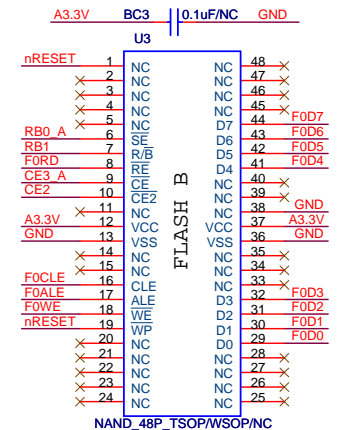
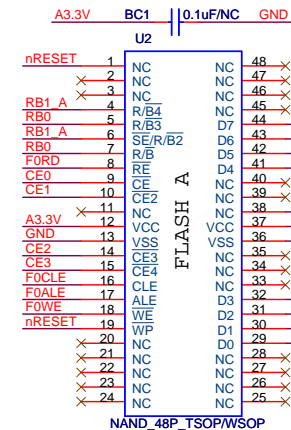
"One CE pin" & "Two CE pin" & "Four CE pin" flash setup Please refer to "Dyna Flash setting" file.

"One CE pin" Samsung K9F***** series Flash
Setup as Following,
R1 : Short
R2 : Open
R22 : Open
R4 : Short
R5 : Open
R6 : Short
R7 : Open
R3 : Open



"Two CE pin" Samsung K9N***** series Flash
Setup as Following,
R1 : Open
R2 : Short
R22 : Open
R4 : Open
R5 : Short
R6 : Open
R7 : Short
R3 : Open

"Four CE pin" Samsung K9N***** series Flash
Setup as Following,
R1 : Open
R2 : Short
R22 : Open
R4 : Open
R5 : Open
R6 : Open
R7 : Open
R3 : Open



Silicon Motion, INC.

Title
SM321BB application circuit

Size
B

Document Number

SM321BB_DEMO_V24.DSN

Rev
2.4

Date: Friday, December 29, 2006

Sheet 1 of 1