



DESIGN-IN WITH WINBOND W28XXX SERIES PRODUCT IN PCB LAYOUT

1. GENERAL DESCRIPTION

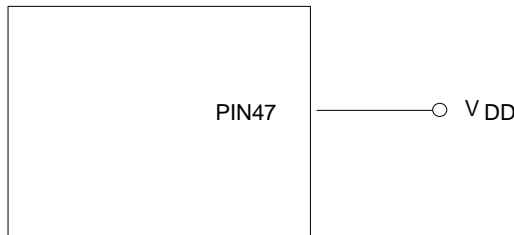
In switching Winbond W28xxx series Flash with the equivalent parts of Intel B3/C3 series and AMD LV series ICs, there are some important notices that users should know. In this application note, users can find the solutions on IC layout when substitutes with other equivalent devices.

2. DETAIL DESCRIPTION

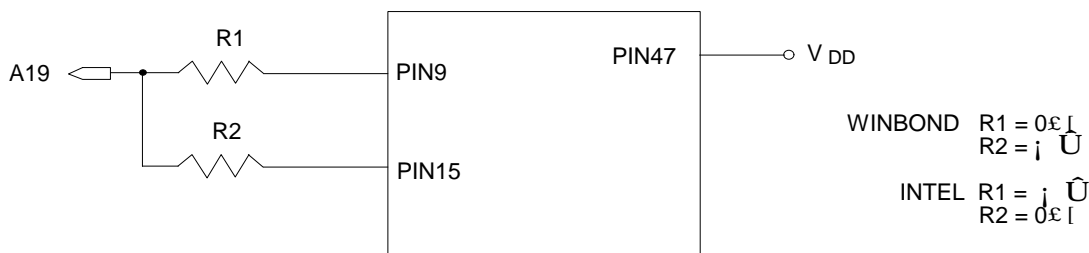
Substitute for Intel B3, C3 (Word Mode) Series

Using 8M Device (W28J800):

In IC layout, please connect Pin 47 to VDD.



Using 16M or 32M Devices (W28J16x/W28J32x):



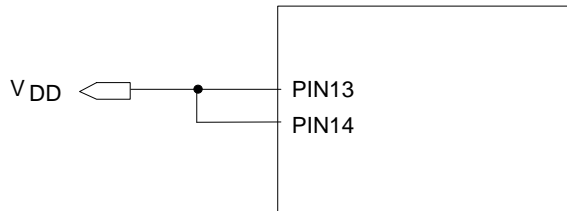
DESIGN-IN WITH WINBOND W28XXX SERIES PRODUCT IN PCB LAYOUT



Substitute for AMD LV Series

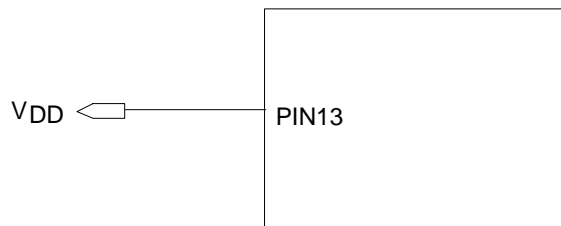
Using 4M, 8M, and 16M devices (W28V400/ W28J800/W28J16x):

In IC layout, please connect Pin 13 and Pin 14 to VDD.



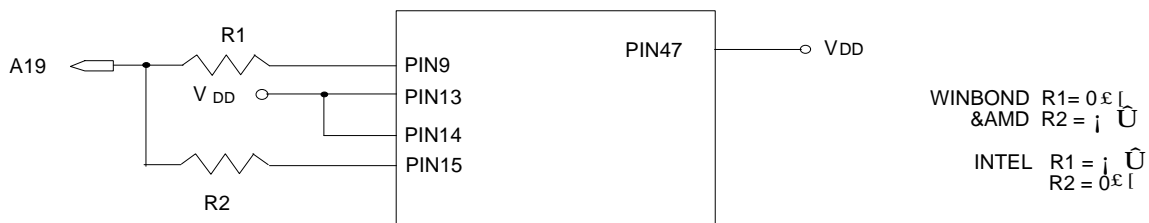
Using 32M part (W28J32x):

In IC layout, please connect Pin 13 to VDD.



Cross substitution among WINBOND & INTEL & AMD parts

Among Winbond, AMD, and Intel parts, users can use the following layout instruction to design-in three different parts.



Please note this application is used for accommodating common flashes and is useful for customers who are seeking more resource in design-in. Please be aware that these unusual or specific features, which differ from one another, are not intended to be used.

DESIGN-IN WITH WINBOND W28XXX SERIES PRODUCT IN PCB LAYOUT



Headquarters

No. 4, Creation Rd. III,
Science-Based Industrial Park,
Hsinchu, Taiwan
TEL: 886-3-5770066
FAX: 886-3-5665577
<http://www.winbond.com.tw/>

Taipei Office

9F, No.480, Rueiguang Rd.,
Neihu Chiu, Taipei, 114,
Taiwan, R.O.C.
TEL: 886-2-8177-7168
FAX: 886-2-8751-3579

Winbond Electronics Corporation America

2727 North First Street, San Jose,
CA 95134, U.S.A.
TEL: 1-408-9436666
FAX: 1-408-5441798

Winbond Electronics Corporation Japan

7F Daini-ueno BLDG, 3-7-18
Shinyokohama Kohoku-ku,
Yokohama, 222-0033
TEL: 81-45-4781881
FAX: 81-45-4781800

Winbond Electronics (Shanghai) Ltd.

27F, 2299 Yan An W. Rd. Shanghai,
200336 China
TEL: 86-21-62365999
FAX: 86-21-62365998

Winbond Electronics (H.K.) Ltd.

Unit 9-15, 22F, Millennium City,
No. 378 Kwun Tong Rd.,
Kowloon, Hong Kong
TEL: 852-27513100
FAX: 852-27552064

*Please note that all data and specifications are subject to change without notice.
All the trade marks of products and companies mentioned in this data sheet belong to their respective owners.*

*Publication Release Date: August 5, 2002
Revision A1*