CD4011BMS, CD4012BMS CD4023BMS

November 1994

CMOS NAND Gates

Features

- High-Voltage Types (20V Rating)
- Propagation Delay Time = 60ns (typ.) at CL = 50pF, VDD = 10V
- Buffered Inputs and Outputs
- Standardized Symmetrical Output Characteristics
- Maximum Input Current of 1µA at 18V Over Full Package-Temperature Range; 100nA at 18V and +25°C
- 100% Tested for Maximum Quiescent Current at 20V
- 5V, 10V and 15V Parametric Ratings
- Noise Margin (Over Full Package Temperature Range):
  - 1V at VDD = 5V
  - 2V at VDD = 10V
  - 2.5V at VDD = 15V
- Meets All Requirements of JEDEC Tentative Standards No. 13B, "Standard Specifications for Description of "B" Series CMOS Device's

Description

CD4011BMS - Quad 2 Input

CD4012BMS - Dual 4 Input

CD4023BMS - Triple 3 Input

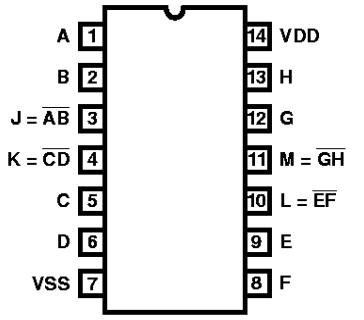
CD4011BMS, CD4012BMS, and CD4023BMS NAND gates provide the system designer with direct implementation of the NAND function and supplement the existing family of CMOS gates. All inputs and outputs are buffered.

The CD4011BMS, CD4012BMS and the CD4023BMS is supplied in these 14 lead outline packages:

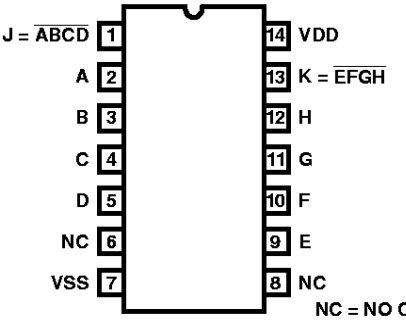
	CD4011B	CD4012B	CD4023B
Braze Seal DIP	H4Q	H4H	H4Q
Frit Seal DIP	H1B	H1B	H1B
Ceramic Flatpack	H3W	H3W	H3W

Pinouts

CD4011BMS
TOP VIEW

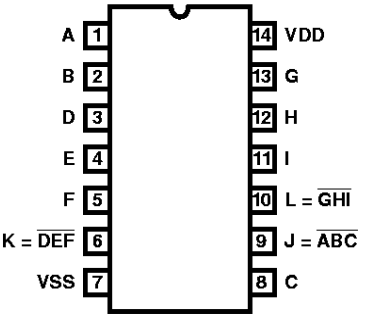


CD4012BMS
TOP VIEW



NC = NO CONNECTION

CD4023BMS
TOP VIEW



CAUTION: These devices are sensitive to electrostatic discharge. Users should follow proper I.C. Handling Procedures.

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