

# DM74LS20

## Dual 4-Input NAND Gate

### General Description

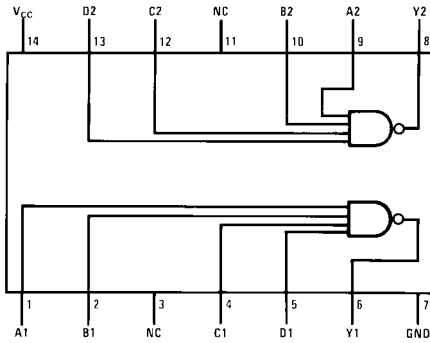
This device contains two independent gates each of which performs the logic NAND function.

### Ordering Code:

Order Number	Package Number	Package Description
DM74LS20M	M14A	14-Lead Small Outline Integrated Circuit (SOIC), JEDEC MS-120, 0.150 Narrow
DM74LS20N	N14A	14-Lead Plastic Dual-In-Line Package (PDIP), JEDEC MS-001, 0.300 Wide

Devices also available in Tape and Reel. Specify by appending the suffix letter "X" to the ordering code.

### Connection Diagram



### Function Table

$$Y = \overline{ABCD}$$

Inputs				Output
A	B	C	D	Y
X	X	X	L	H
X	X	L	X	H
X	L	X	X	H
L	X	X	X	H
H	H	H	H	L

H = HIGH Logic Level  
L = LOW Logic Level  
X = Either LOW or HIGH Logic Level