

LC4001BM



3034A

CMOS Standard Logic LC4000B Series

Quad 2-Input NOR Gate

©11208

Use

- CMOS standard logic IC for logic circuit.

Features, Functions

- 2-input NOR logic gate IC (equivalent to B series, 4 2-input NOR gates contained in a single package) having wide operating voltage range, high noise margin, low power dissipation.
- Mini flat package enabling compactness of sets.

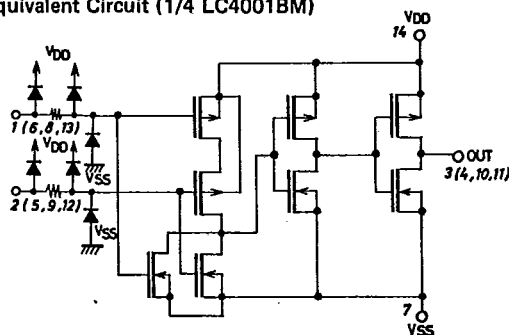
Absolute Maximum Ratings/ $T_a=25^\circ\text{C}$, $V_{SS}=0\text{V}$

			unit
Maximum Supply Voltage	V_{CC} max	$V_{SS} - 0.5 \sim V_{SS} + 20$	V
Maximum Input Voltage	V_{IN} max	$V_{SS} - 0.5 \sim V_{DD} + 0.5$	V
Maximum Output Voltage	V_{OUT} max	$V_{SS} - 0.5 \sim V_{DD} + 0.5$	V
Input current	I_{IN}	± 10	mA
Allowable power dissipation	P_d max	$T_a \leq 85^\circ\text{C}$	150 mW
Operating temperature	T_{opg}	$-40 \sim +85$	$^\circ\text{C}$
Storage temperature	T_{stg}	$-65 \sim +150$	$^\circ\text{C}$
Lead temperature, time	T_{sol}	$t=10\text{sec}$	260 $^\circ\text{C}$

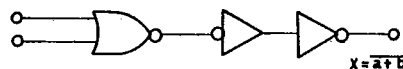
Allowable Operating Conditions/ $T_a=-40^\circ\text{C}$ to $+85^\circ\text{C}$

		unit
Supply voltage	V_{DD}	3~18 V
Input voltage	V_{IN}	0~ V_{DD} V

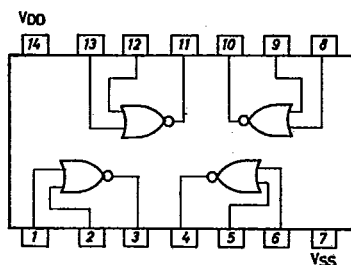
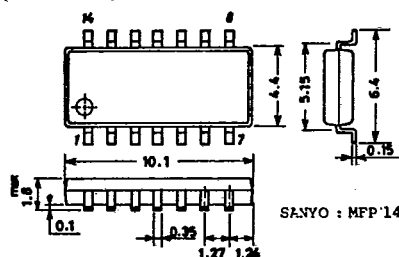
Equivalent Circuit (1/4 LC4001BM)



Circuit Configuration



Pin Assignment

Case Outline 3034A-M14IC
(unit:mm)

For details, refer to the description of the LC4001B.

5066AT/7164KI/7282 No. 1120-1/3