

## 製品概要

## MC74VHC244: Octal Non-inverting Bus Buffer, 3-State

技術情報は、データシートをご参照ください。

The MC74VHC244 is an advanced high speed CMOS octal bus buffer fabricated with silicon gate CMOS technology. The MC74VHC244 is a noninverting 3-state buffer, and has two active-low output enables. This device is designed to be used with 3-state memory address drivers, etc. The internal circuit is composed of three stages, including a buffer output which provides high noise immunity and stable output. The inputs tolerate voltages up to 7 V, allowing the interface of 5 V systems to 3 V systems.

## 特長

- High Speed:  $t_{PD} = 3.9\text{ns}$  (Typ) at  $V_{CC} = 5\text{V}$
- Low Power Dissipation:  $I_{CC} = 4\mu\text{A}$  (Max) at  $T_A = 25^\circ\text{C}$
- High Noise Immunity:  $V_{NIH} = V_{NIL} = 28\% V_{CC}$
- Power Down Protection Provided on Inputs
- Balanced Propagation Delays
- Designed for 2V to 5.5V Operating Range
- Low Noise:  $V_{OLP} = 0.9\text{V}$  (Max)
- Pin and Function Compatible with Other Standard Logic Families
- Latchup Performance Exceeds 300mA
- ESD Performance:  $HBM > 2000\text{V}$ ; Machine Model  $> 200\text{V}$

For more features, see the data sheet

## 電氣的仕様

製品	Compliance	Status	Channels	Output	$V_{CC}$ Min (V)	$V_{CC}$ Max (V)	$t_{pd}$ Max (ns)	$I_O$ Max (mA)	Package Type
MC74VHC244DTG	Pb-free	Active	8	3-State	2	5.5	7.5	8	TSSOP-20
	Halide free								
MC74VHC244DTR2G	Pb-free	Active	8	3-State	2	5.5	7.5	8	TSSOP-20
	Halide free								
MC74VHC244DWR2G	Pb-free	Active	8	3-State	2	5.5	7.5	8	SOIC-20W
	Halide free								
NLV74VHC244DTR2G	PPAP Capable Pb-free Halide free	Active	8	3-State	2	5.5	7.5	8	TSSOP-20

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