

## 製品概要

### MC74VHC1G00: Single 2-Input NAND Gate

技術情報は、データシートをご参照ください。

The MC74VHC1G00 is an advanced high speed CMOS 2 input NAND gate fabricated with silicon gate CMOS technology. The internal circuit is composed of multiple stages, including a buffer output which provides high noise immunity and stable output. The MC74VHC1G00 input structure provides protection when voltages up to 5.5 V are applied, regardless of the supply voltage. This allows the MC74VHC1G00 to be used to interface 5 V circuits to 3 V circuits.

### 特長

- High Speed:  $t_{PD} = 3.5\text{ns}$  (Typ) at  $V_{CC} = 5\text{V}$
- Low Power Dissipation:  $I_{CC} = 1\mu\text{A}$  (Max) at  $T_A = 25^\circ\text{C}$
- Power Down Protection Provided on Inputs
- Balanced Propagation Delays
- Pin and Function Compatible with Other Standard Logic Families
- Chip Complexity: FETs = 3/4 100
- Pb-Free Packages are Available

### 電気的仕様

製品	Compliance	Status	Type	Channels	$V_{CC}$ Min (V)	$V_{CC}$ Max (V)	$t_{pd}$ Max (ns)	$I_O$ Max (mA)	Package Type
MC74VHC1G00DBVT1G	Pb-free	Active	NAND	1	2	5.5	3.5	8	SC-74A
	Halide free								
MC74VHC1G00DFT1G	Pb-free	Active	NAND	1	2	5.5	3.5	8	SC-88A / SC-70-5
	Halide free								
MC74VHC1G00DFT2G	Pb-free	Active	NAND	1	2	5.5	3.5	8	SC-88A / SC-70-5
	Halide free								
MC74VHC1G00DTT1G	Pb-free	Active	NAND	1	2	5.5	3.5	8	TSOP-5 / SOT-23-5
	Halide free								
MC74VHC1G00P5T5G	Pb-free	NEW	NAND	1	2	5.5	3.5	8	SOT-953
	Halide free								
NLVHC1G00DFT1G	AEC Qualified	Active	NAND	1	2	5.5	3.5	8	SC-88A / SC-70-5
	PPAP Capable								
	Pb-free								
	Halide free								
NLVHC1G00DFT2G	AEC Qualified	Active	NAND	1	2	5.5	3.5	8	SC-88A / SC-70-5
	PPAP Capable								
	Pb-free								
	Halide free								
NLVHC1G00DTT1G	AEC Qualified	Active	NAND	1	2	5.5	3.5	8	TSOP-5 / SOT-23-5
	PPAP Capable								
	Pb-free								
	Halide free								

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