

製品概要

MC74HC165A: 8-Bit Serial or Parallel-Input/Serial Output Shift Register

技術情報は、データシートをご参照ください。

The MC74HC165A is identical in pinout to the LS165. The device inputs are compatible with standard CMOS outputs; with pullup resistors, they are compatible with LSTTL outputs. This device is an 8-bit shift register with complementary outputs from the last stage. Data may be loaded into the register either in parallel or in serial form. When the Serial Shift/Parallel Load(\bar{L}) input is low, the data is loaded asynchronously in parallel. When the Serial Shift/Parallel Load(\bar{L}) input is high, the data is loaded serially on the rising edge of either Clock or Clock Inhibit (see the Function Table). The 2-input NOR clock may be used either by combining two independent clock sources or by designating one of the clock inputs to act as a clock inhibit.

特長

- Output Drive Capability: 10 LSTTL Loads
- Outputs Directly Interface to CMOS, NMOS, and TTL
- Operating Voltage Range: 2 to 6 V
- Low Input Current: 1 mA
- High Noise Immunity Characteristic of CMOS Devices
- In Compliance with the Requirements Defined by JEDEC Standard No. 7A
- Chip Complexity: 286 FETs or 71.5 Equivalent Gates
- Pb-Free Packages are Available*

電氣的仕様

| 製品 | Compliance | Status | Type | Channels | V _{CC} Min (V) | V _{CC} Max (V) | t _{pd} Max (ns) | I _O Max (mA) | Package Type |
|------------------|---------------|--------|----------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|--------------|
| MC74HC165ADG | Pb-free | Active | Shift Register | 1 | 2 | 6 | 30 | 4 | SOIC-16 |
| | Halide free | | | | | | | | |
| MC74HC165ADR2G | Pb-free | Active | Shift Register | 1 | 2 | 6 | 30 | 4 | SOIC-16 |
| | Halide free | | | | | | | | |
| MC74HC165ADTR2G | Pb-free | Active | Shift Register | 1 | 2 | 6 | 30 | 4 | TSSOP-16 |
| | Halide free | | | | | | | | |
| MC74HC165AMNTWG | Pb-free | Active | Shift Register | 1 | 2 | 6 | 30 | 4 | QFN-16 |
| | Halide free | | | | | | | | |
| NLV74HC165ADR2G | AEC Qualified | Active | Shift Register | 1 | 2 | 6 | 30 | 4 | SOIC-16 |
| | PPAP Capable | | | | | | | | |
| | Pb-free | | | | | | | | |
| | Halide free | | | | | | | | |
| NLV74HC165ADTR2G | AEC Qualified | Active | Shift Register | 1 | 2 | 6 | 30 | 4 | TSSOP-16 |
| | PPAP Capable | | | | | | | | |
| | Pb-free | | | | | | | | |
| | Halide free | | | | | | | | |
| NLVHC165ADR2G | AEC Qualified | Active | Shift Register | 1 | 2 | 6 | 30 | 4 | SOIC-16 |
| | PPAP Capable | | | | | | | | |
| | Pb-free | | | | | | | | |
| | Halide free | | | | | | | | |

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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