

NC7SZ66

Tiny UHS 1-Bit Low Power Digital Switch

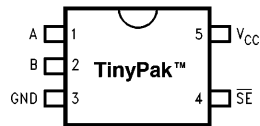
General Description

The NC7SZ66 is a single-bit, high-speed CMOS compatible digital switch. The low on resistance of the switch allows inputs to be connected to outputs without adding propagation delay or generating additional ground bounce noise. The device is organized as a 1-bit switch with a switch enable (\overline{SE}) signal. When \overline{SE} is low, the switch is on and port A is connected to port B. When \overline{SE} is high, the switch is open and a high-impedance state exists between the two ports.

Features

- Broad V_{CC} Operating Range 2.3V–5.5V
- 5Ω switch connection between two ports
- Zero propagation delay
- Ultra low I_{CC}
- Zero bounce in flow-through mode
- Control inputs compatible with CMOS input levels
- Available in SOT23-5 packaging

Connection Diagram



TL/F/12177-1

Pin Description

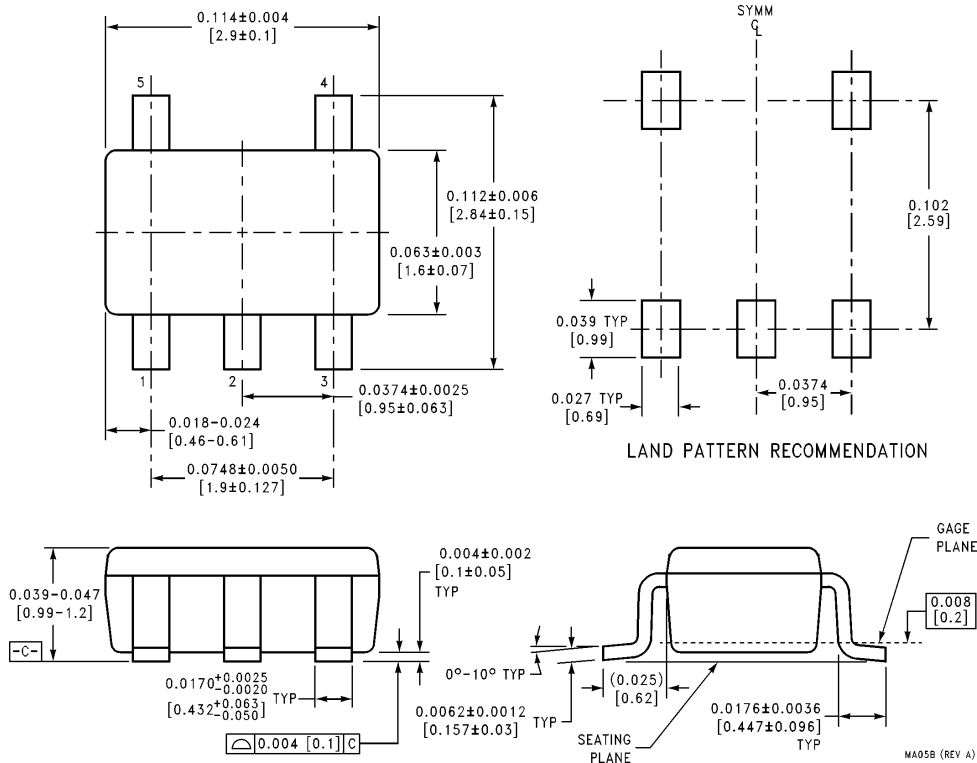
Pin Names	Description
\overline{SE}	Switch Enable
A	Bus A
B	Bus B

Truth Table

\overline{SE}	B_0	Function
L	A_0	Connect
H	HIGH-Z State	Disconnect

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Physical Dimensions inches (millimeters) unless otherwise noted



Order Number NC7SZ66
NS Package Number MA05B

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