Low-Ohmic Single-Pole Double-Throw Analog Switch

NX3L1G53

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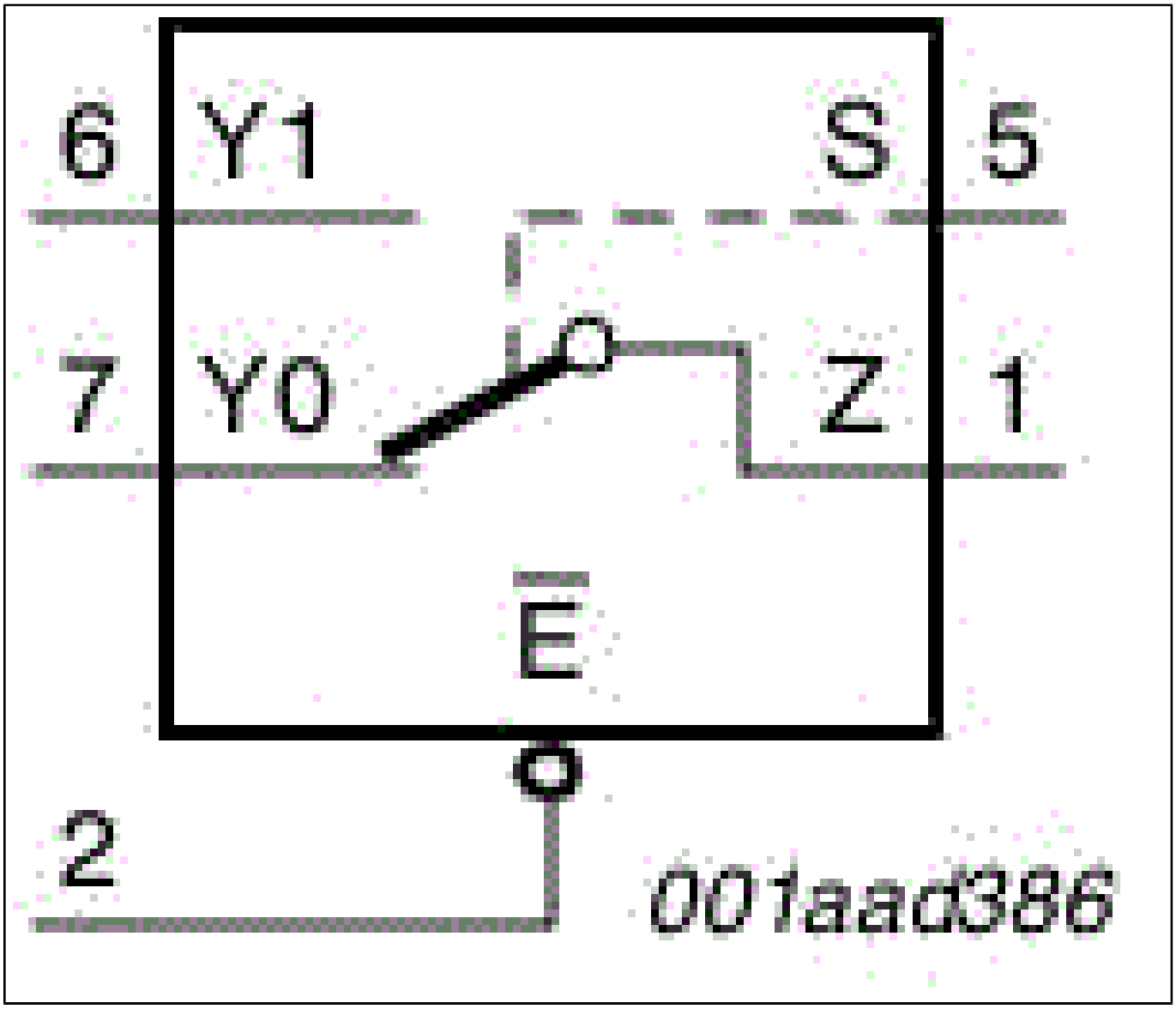
The NX3L1G53 is a low-ohmic single-pole double-throw analog switch suitable for use as an analog or digital 2:1 multiplexer/demultiplexer. It has a digital select input (S), two independent inputs/outputs (Y0 and Y1), a common input/output (Z) and an active LOW enable input (E). When pin E is HIGH, the switch is turned off. Schmitt trigger action at the digital inputs makes the circuit tolerant to slower input rise and fall times.

The NX3L1G53 allows signals with amplitude up to VCC to be transmitted from Z to Y0 or Y1; or from Y0 or Y1 to Z. Its low ON resistance (0.5 Ω) and flatness (0.13 Ω) ensures minimal attenuation and distortion of transmitted signals.

74LVC1G53; 74LVC2G53 Block Diagram



View additional information for Low-Ohmic Single-Pole Double-Throw Analog Switch.

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