



Analog Switch with Negative Swing Audio Capability

NX5L2750CGU

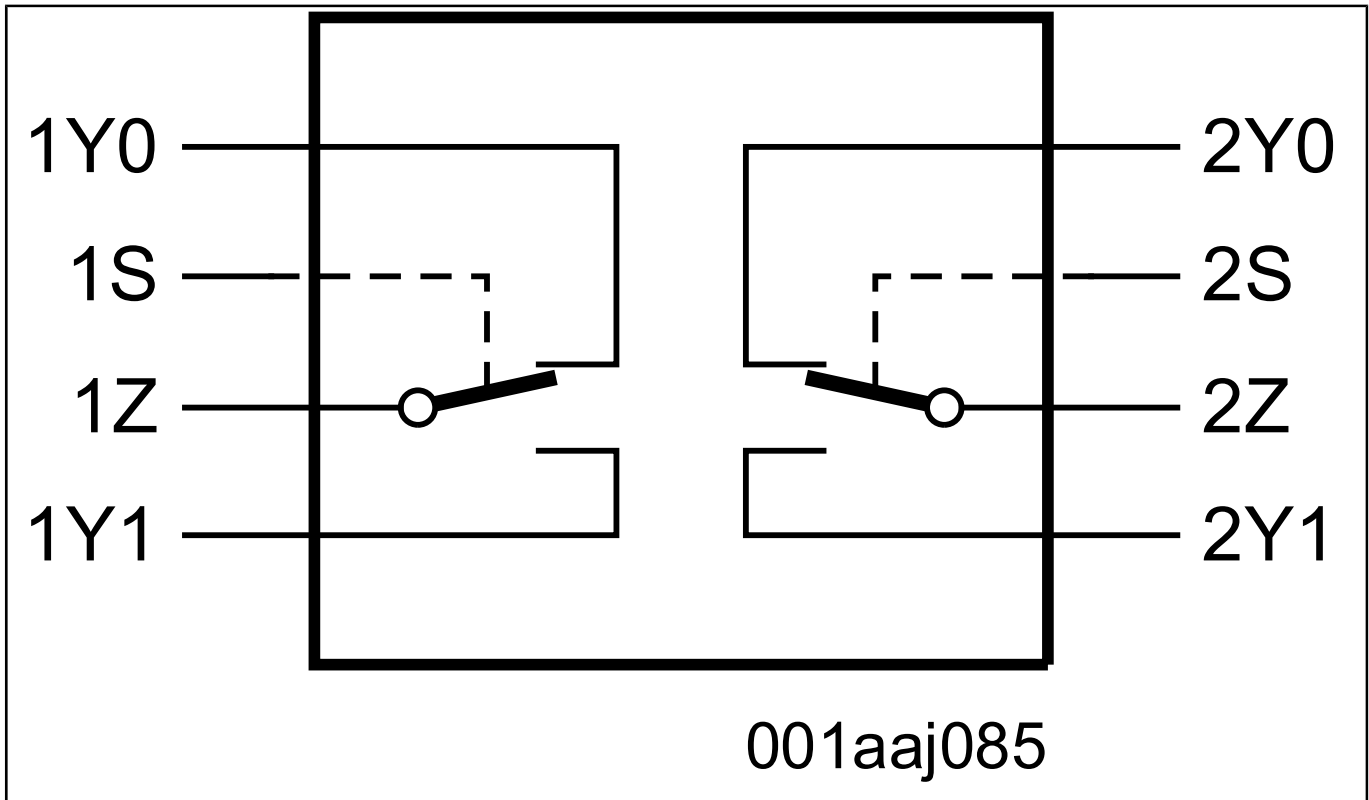
Last Updated: Oct 13, 2023

The NX5L2750C is a dual low-ohmic single-pole double-throw analog switch suitable for use as an analog or digital 2 : 1 multiplexer/demultiplexer. Each switch has a digital select input (nS), two independent inputs/outputs (nY0 and nY1) and a common input/output (nZ).

The NX5L2750C can switch audio signals with negative swing without the need of a coupling capacitor.

Schmitt trigger action at the digital inputs makes the circuit tolerant to slower input rise and fall times. Low threshold digital inputs allows this device to be driven by 1.8 V logic levels in 3.3 V applications without significant increase in supply current ICC. It makes it possible for the NX5L2750C to switch 5 V audio signals with a 1.8 V digital controller, eliminating the need for logic level translation.

NX5L2750C Block Diagram Block Diagram



View additional information for [Analog Switch with Negative Swing Audio Capability](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.