Quad 1-of-2 Video Multiplexer/ Demultiplexer

NX5DV330

Archived

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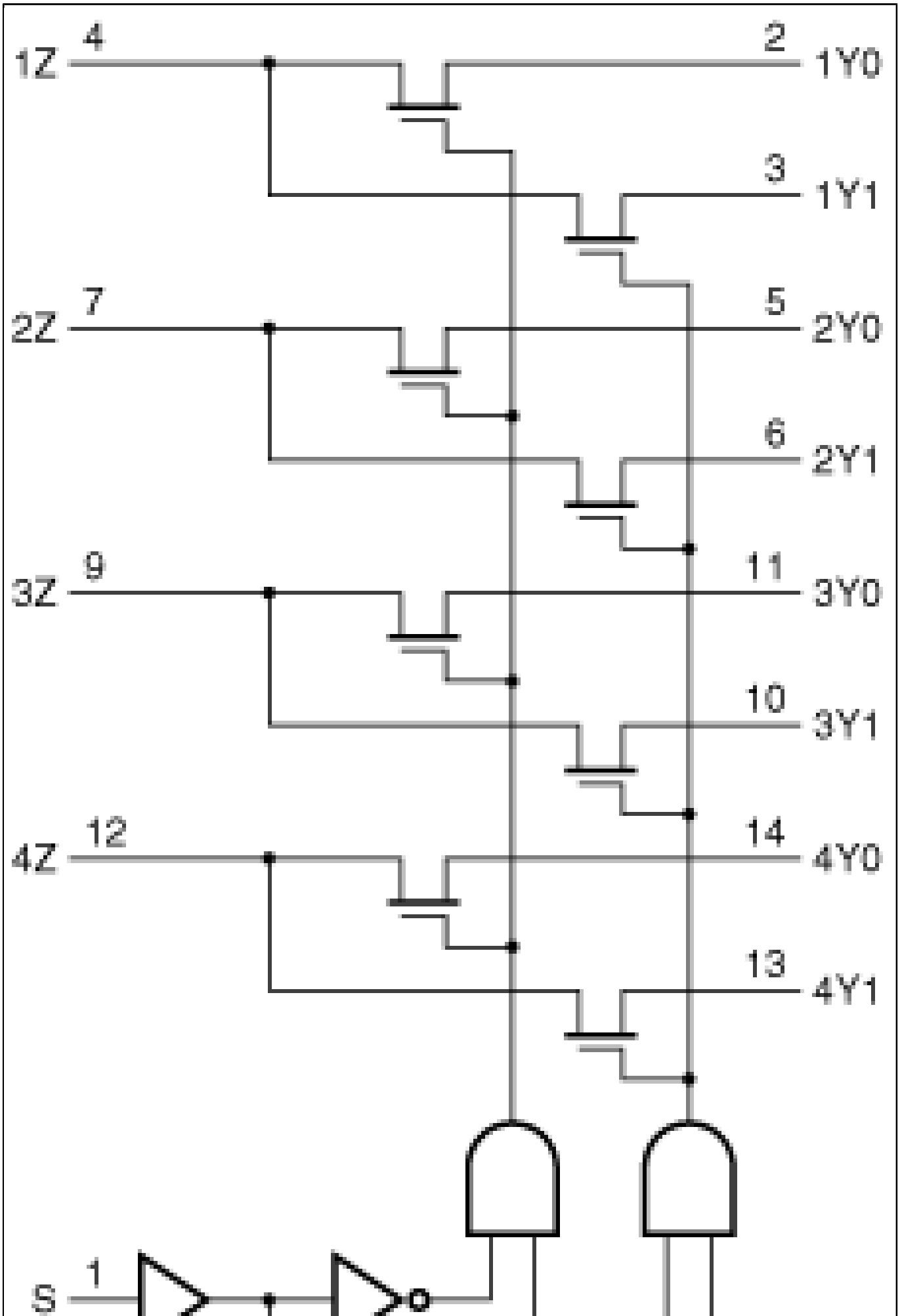
The NX5DV330 is a quad 1-of-2 high-speed TTL-compatible video multiplexer/demultiplexer. The low ON resistance of the switch allows inputs to be connected to outputs without adding propagation delay or generating additional ground bounce noise

It has a digital select input (S), four independent inputs/outputs (nY0, nY1), a common input/ output (nZ) and an active LOW enable input (E). When pin E is HIGH, the switch is turned off.

Schmitt-trigger action at the enable input (E) and select input (S) makes the circuit tolerant to slower input rise and fall times across the entire VCC range from 4.0 V to 5.5 V.

The NX5DV330 is characterized for operation from -40 Cel to +85 Cel.

Block diagram: NX5DV330BQ, NX5DV330D, NX5DV330DS, NX5DV330PW Block Diagram


1Z
4
2
1Y0
1Y1
3
2Z
7
5
2Y0
2Y1
6
3Z
9
11
3Y0
3Y1
10
4Z
12
14
4Y0
4Y1
13
S
1

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