

## Product Overview

### NCN3411: Data Switch, 4-Channel Differential, 1:2 Mux/Demux, for PCI Express Gen3

For complete documentation, see the data sheet.



The NCN3411 is a 4-Channel differential SPDT switch designed to route PCI Express Gen3 signals. When used in a PCI Express application, the switch can handle up to two PCIe lanes. Due to the ultra-low ON-state capacitance (2 pF typ) and resistance (7.5  $\Omega$  typ), these switches are ideal for switching high frequency data signals up to a signal bit rate of 8 Gbps. This switch pinout is designed to be used in BTX form factor desktop PCs and is available in a space-saving 3.5 x 9 x 0.75 mm WQFN42 package.

#### Features

- Data Rate of 8 Gbps
- Low Supply Current: 200  $\mu$ A typical

#### Applications

- PCI Express switching

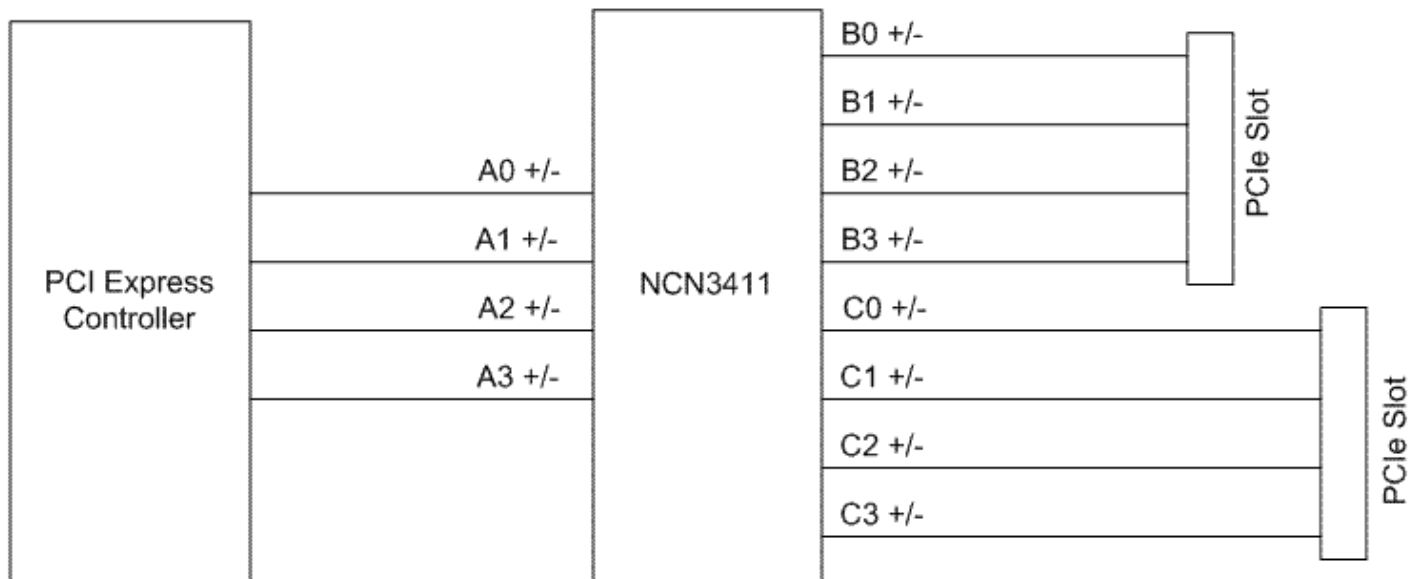
#### Benefits

- Supports PCIe 3.0 data rate
- Reduces heat dissipation

#### End Products

- Desktop computers
- Notebook computers
- Server-storage networks

#### Application Diagram



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