



Product Overview

NCN2612: Data Switch, 6-Differential Channel 1:2 Switch for PCIe 2.0 and Display Port 1.1

For complete documentation, see the data sheet

Product Description

The NCN2612 is a 6-channel SPDT switch designed to route PCI Express Gen2 and/or Display Port 1.1 signals. Due to the ultra-low ON-state capacitance (4.1 pF typ) and resistance (7 Ω typ), these switches have a signal bit rate (BR) of 5.0 Gbps, ideal for high frequency data signals. This switch pinout is designed to be used in ATX form factor desktop PCs and is available in a space-saving WQFN package. The NCN2612 uses 80% less quiescent power than other comparable switches.

Features	Benefits
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| <ul style="list-style-type: none">• V_{DD} power supply from 3.0 to 3.6 V• Low supply current 250 uA typ• 6 differential channels 2:1 Mux/Demux• Data rate of 5.0 Gbps | <ul style="list-style-type: none">• Complies with standard supply range• Reduces heat dissipation• Meets PCIe and D/P requirements• Supports PCIe 2.0 standard |
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Applications	End Products
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| <ul style="list-style-type: none">• PCI Express switching• Display Port switching | <ul style="list-style-type: none">• Notebook computers• Desktop computers• Server-storage networks |
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