

Product Overview

NB4N7132: Link Replicator for Fibre Channel, Gigabit Ethernet, HDTV and SATA (1.5 Gbps)

For complete documentation, see the data sheet.

The NB4N7132 is a high performance 3.3V Serial Link Replicator which provides the function of serial loop replication and serial loopback control commonly required in Fibre Channel, GbE, HDTV and SATA applications. Other popular applications include Host Bus Adaptors for routing between internal and external connectors, and hot-pluggable links between redundant switch fabric cards. IN is sent to both OUT0 and OUT1; each output is enabled by OE0 and OE1 when HIGH. OUT0 can select either IN or IN1 via the MUX0 pin. Likewise, OUT1 can select between IN or IN0 via the MUX1 pin. Out can select between IN0 and IN1. In Link Replicator applications, such as the Line Card to Switch Card links, IN is transmitted to both OUT0 and OUT1 which either IN0 or IN1 is selected at OUT. In Host Adapter applications, IN goes to OUT0 (an internal connector) which returns data on IN0. IN0 is looped to OUT1 (an external connector) which returns data on IN1 and then back to the SerDes on OUT. The NB4N7132 is packaged in a 4.7 mm x 9.7 mm TSSOP-28.

Features

- Operating Range: VCC = 3.135 V to 3.465 V
- Replicates Fibre Channel, Gigabit Ethernet, HDTV, and Serial ATA (SATA) Links
- No External Components Required

Benefits

- Design Flexibility

Applications

- Fibre Channel, Gigabit Ethernet, HDTV, and Serial ATA (SATA) Links
- SMPTE-292M Compliant

End Products

- Link Replicators

For more information please contact your local sales support at www.onsemi.com.

Created on: 11/22/2019