## DP7304B/DP8304B 8-Bit TRI-STATE ${ }^{\circledR}$ <br> Bidirectional Transceiver (Non-Inverting)

## General Description

The DP73048B/DP8304B are high speed Schottky 8-bit TRI-STATE bidirectional transceivers designed to provide bidirectional drive for bus oriented microprocessor and digital communications systems. They are all capable of sinking 16 mA on the A ports and 48 mA on the B ports (bus ports). PNP inputs for low input current and an increased output high (VOH) level allow compar high drive capabillitios. In addition, they all feature glitch-free drive capabilities. In addition, they all feature glitch-free
on the system bus in power up or down.
DP7304B/DP8304B are featured with Transmit/Receive $(T / \overline{\mathrm{R}})$ and Chip Disable (CD) inputs to simplify control logic.

Features

- 8 -bit bidirectional data flow reduces system package count
- Bidirectional TRI-STATE inputs/outputs interface with bus oriented systems
- PNP inputs reduce input loading
- Output high voltage interfaces with TTL, MOS, and CMOS
- $48 \mathrm{~mA} / 300 \mathrm{pF}$ bus drive capability
- Pinouts simplify system interconnections
- Transmit//קeceive and chip disable simplify control logic - Compact 20 -pin dual-in-line package
- Bus port glitch free power up/down

Logic and Connection Diagrams


Top View
Order Number DP7304BJ, DP8304BJ, der Number DP7304BJ, DP830
DP8304BN or DP8304BWM See NS Package Number J20A, N20A or M20B

Logic Table

| Inputs |  | Resulting Conditions |  |
| :---: | :---: | :---: | :---: |
| Chip Disable | Transmit/Recelve | A Port | B Port |
| 0 | 0 | OUT | $\mathbb{N}$ |
| 0 | 1 | $\mathbb{N}$ | OUT |
| 1 | X | TRI-STATE | TRI-STATE |

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