

Voltage Level Translator 4-CH Bidirectional 12-Pin XQFN T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [NXP Semiconductor](#)

Package/Case: XQFN-12

Product Type: Logic ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The NTB0104 is a 4-bit, dual supply translating transceiver with auto direction sensing, that enables bidirectional voltage level translation. It features two 4-bit input-output ports (An and Bn), one output enable input (OE) and two supply pins (VCC(A) and VCC(B)). VCC(A) can be supplied at any voltage between 1.2 V and 3.6 V and VCC(B) can be supplied at any voltage between 1.65 V and 5.5 V, making the device suitable for translating between any of the low voltage nodes (1.2 V, 1.5 V, 1.8 V, 2.5 V, 3.3 V and 5.0 V). Pins An and OE are referenced to VCC(A) and pins Bn are referenced to VCC(B). A LOW level at pin OE causes the outputs to assume a high-impedance OFF-state. This device is fully specified for partial power-down applications using IOFF. The IOFF circuitry disables the output, preventing the damaging backflow current through the device when it is powered down.

Key Features

Dual supply translating transceiver; auto direction sensing; 3-state

Recommended For You

NTS0308EPWJ

NXP Semiconductor

SOP

NIS0104PW,118

NXP Semiconductor

TSSOP-14

NTS0104GU12,115

NXP Semiconductor

XQFN12

NTS0104BQ,115

NXP Semiconductor

DHVQFN14

NIB0104BQ-Q100X

NXP Semiconductor

QFN

NTS0302JKZ

NXP Semiconductor

SMD

NIB0104BQ,115

NXP Semiconductor

QFN14

NTS0304EPWJ

NXP Semiconductor

TSSOP-14

NTS0102DP,125

NXP Semiconductor

TSSOP8

NTS0102GT,115

NXP Semiconductor

XSON-8

NTS0102GD,125

NXP Semiconductor

DETAIL

NTS0104UK,012

NXP Semiconductor

SMD

NIB0102GT,115

NXP Semiconductor

DETAIL

NIB0104UK,012

NXP Semiconductor

WLCSP121.60mm*1.20mm

NIB0101GW,125

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6-TSSOP