

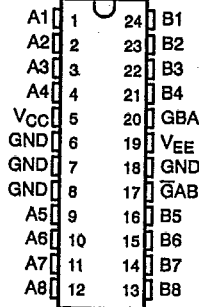
SN10KHT5563, SN100KT5563
OCTAL TTL/ECL BUS TRANSCEIVERS
WITH 3-STATE OUTPUTS

T-52-11

D3539, JUNE 1990

- ECL and TTL Output-Enable Inputs
- Flow-Through Architecture Optimizes PCB Layout
- Center-Pin V_{CC} , V_{EE} , and GND Configurations Minimize High-Speed Switching Noise
- Package Options Include "Small Outline" Packages and Standard Plastic 300-mil DIPs

DW OR NT PACKAGE
 (TOP VIEW)



description

The SN10KHT5563 and SN100KT5563 are inverting TTL/ECL transceivers designed to translate signals between ECL and TTL environments. The A port (TTL port) is designed to source 15 mA and sink 48 mA. The B port (ECL port) is designed to drive a 50- Ω load terminated to -2 V.

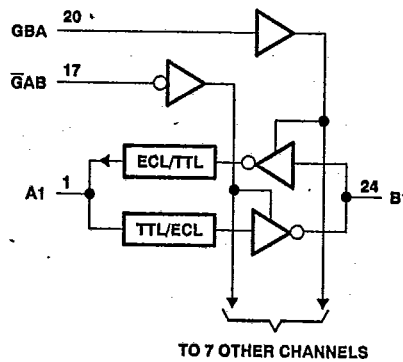
The A and B ports have complementary output-enable inputs, both of which are ECL-compatible. When the A-port output enable (GBA) is high, the device transmits data from the B bus to the A bus; when GBA is low, the A outputs are in the high-impedance state. When \overline{GAB} is low, the device transmits data from the A bus to the B bus; when \overline{GAB} is high, the B outputs are in the high-impedance state.

When GAB is low and \overline{GBA} is high, the device is in the isolation mode.

The SN10KHT5563 is compatible with 10KH ECL and is characterized for operation from 0°C to 75°C.

The SN100KT5563 is compatible with 100K ECL and is characterized for operation from 0°C to 85°C.

logic diagram (positive logic)



TO 7 OTHER CHANNELS

PRODUCT PREVIEW

PRODUCT PREVIEW documents contain information on products in the formative or design phase of development. Characteristic data and other specifications are design goals. Texas Instruments reserves the right to change or discontinue these products without notice.



POST OFFICE BOX 655303 • DALLAS, TEXAS 75265

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