

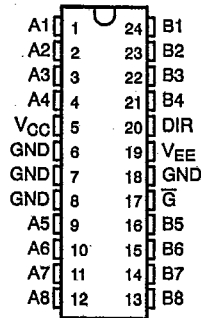
SN10KHT5564, SN100KT5564 OCTAL TTL/ECL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS

D3540, JUNE 1990

T-52-11

- 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

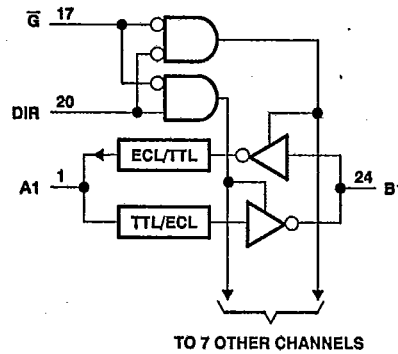
The SN10KHT5564 and SN100KT5564 are inverting TTL/ECL transceivers designed to translate signals between ECL and TTL environments. The A port (TTL port) is designed to source 15 mA and sink 48 mA. The B port (ECL port) is designed to drive a 50- Ω load terminated to -2 V.

When the output-enable input \bar{G} is low, the device transmits data from the A bus to the B bus or from the B bus to the A bus, depending upon the level at the direction control (DIR) input. When \bar{G} is high, both buses are in the high-impedance state. Both \bar{G} and DIR are ECL-compatible.

The SN10KHT5564 is compatible with 10KH ECL and is characterized for operation from 0°C to 75°C.

The SN100KT5564 is compatible with 100K ECL and is characterized for operation from 0°C to 85°C.

logic diagram (positive logic)



PRODUCT PREVIEW

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