

SN54BCT25244, SN74BCT25244 OCTAL 25-OHM LINE DRIVERS WITH 3-STATE OUTPUTS

TI0226—D3533, JUNE 1990

- State-of-the-Art BiCMOS Design Significantly Reduces ICCZ
- 3-State Outputs Drive Bus Lines or Buffer Memory Address Registers
- ESD Protection Exceeds 2000 V per MIL-STD-883C, Method 3015
- Package Options Include Standard Plastic and Ceramic 300-mil DIPs

description

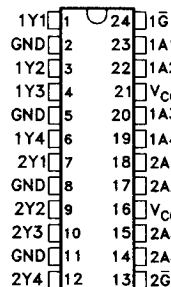
The 'BCT25244 is an octal noninverting buffer/line driver. The outputs are designed to source up to 80 mA and to sink up to 188 mA in order to facilitate incident-wave switching of transmission-line impedances down to 25 Ω.

When the output-enable inputs $1\overline{G}$ and $2\overline{G}$ are low, the device transmits data from the A inputs to the Y outputs. When $1\overline{G}$ and $2\overline{G}$ are high, the outputs are in the high-impedance state.

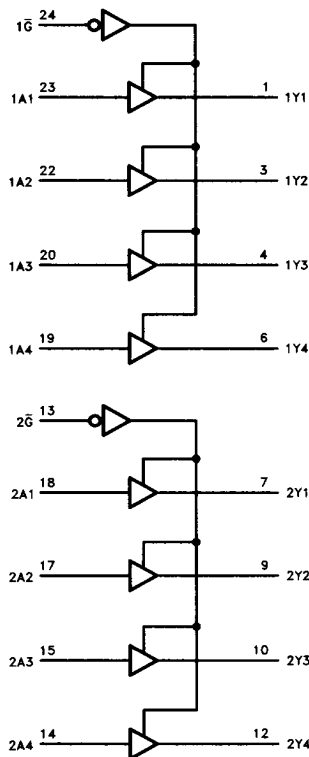
The distributed V_{CC} and GND pins of the 'BCT25244 reduce switching noise for more reliable system operation.

The SN54BCT25244 is characterized for operation over the full military temperature range of -55°C to 125°C. The SN74BCT25244 is characterized for operation from 0°C to 70°C.

SN54BCT25244 ... JT PACKAGE
SN74BCT25244 ... NT PACKAGE
(TOP VIEW)



logic diagram (positive logic)



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TEXAS
INSTRUMENTS

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