

54ACTQ/74ACTQ827 Quiet Series 10-Bit Buffer/Line Driver with TRI-STATE® Outputs

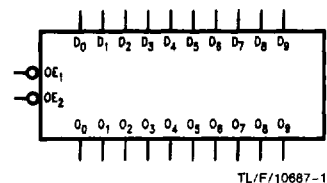
General Description

The 'ACTQ827 10-bit bus buffer provides high performance bus interface buffering for wide data/address paths or buses carrying parity. The 10-bit buffers have NOR output enables for maximum control flexibility. The 'ACTQ827 utilizes NSC Quiet Series technology to guarantee quiet output switching and improved dynamic threshold performance. FACT Quiet Series™ feature GTOTM output control and undershoot corrector in addition to a split ground bus for superior performance.

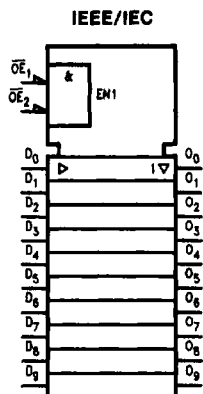
Features

- Guaranteed simultaneous switching noise level and dynamic threshold performance
- Guaranteed pin-to-pin skew AC performance
- Inputs and outputs on opposite sides of package allow easy interface with microprocessors
- Improved latch-up immunity
- Outputs source/sink 24 mA
- Functionally and pin-compatible to AMD's AM29827
- 'ACTQ827 has TTL-compatible inputs
- 4 kV minimum ESD immunity

Logic Symbols



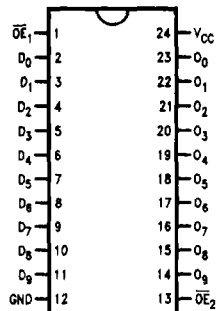
Pin Names	Description
$\overline{OE}_1, \overline{OE}_2$	Output Enable
D_0-D_7	Data Inputs
O_0-O_7	Data Outputs



TL/F/10687-2

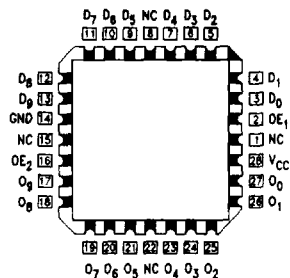
Connection Diagrams

Pin Assignment for DIP, Flatpak and SOIC



TL/F/10687-3

Pin Assignment for LCC



TL/F/10687-4