

54FCT/74FCT841A•54FCT/74FCT841B

10-Bit Transparent Latch with TRI-STATE® Outputs

General Description

The bus interface latch is designed to eliminate the extra packages required to buffer existing latches and provide extra data width for wider address/data paths or buses carrying parity. The FCT841A/B is a 10-bit transparent latch, a 10-bit version of the FCT373A.

FACT™ FCTA/B utilizes NSC quiet series technology to provide improved quiet output switching and dynamic threshold performance.

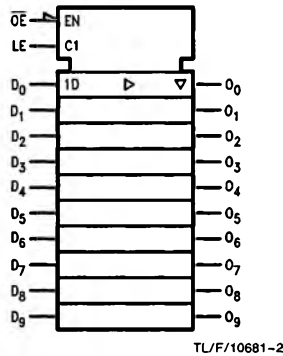
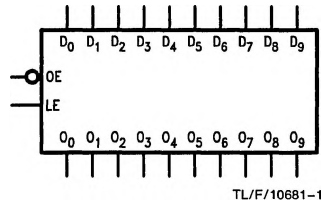
FACT FCTA features GTOT™ output control and undershoot corrector in addition to a split ground bus for superior performance.

FACT FCTB features an undershoot corrector in addition to a split ground bus for superior performance.

Features

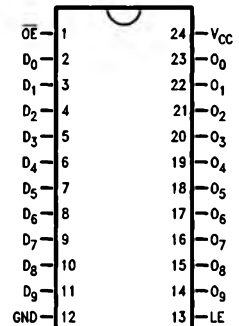
- NSC 54FCT/74FCT841A/B is pin and functionally equivalent to IDT 54FCT/74FCT841A/B
- High Speed parallel latches
- Buffered common latch enable, clear and preset input
- Input clamp diodes to limit bus reflections
- TTL/CMOS input and output level compatible
- $I_{OL} = 48 \text{ mA (com)}, 32 \text{ mA (mil)}$
- CMOS power levels
- 4 kV minimum ESD immunity
- Military Product compliant to MIL-STD 883

Logic Symbols



Connection Diagrams

Pin Assignment for DIP, Flatpak and SOIC



Pin Names	Description
D ₀ -D ₉	Data Inputs
O ₀ -O ₉	TRI-STATE Outputs
OE	Output Enable
LE	Latch Enable

Pin Assignment for LCC

