

**Not Recommended
For New Designs
See 82C86H/82C87H**

Features

- SINGLE POWER SUPPLY
- HIGH NOISE IMMUNITY
- INDUSTRIAL AND MILITARY GRADES
- DRIVE CAPACITY 300pF
- SOURCE CURRENT 4mA
- SINK CURRENT 6mA
- PROPAGATION DELAY 55nsec MAX.

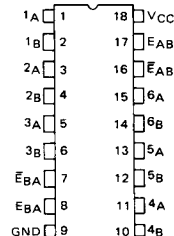
Description

The HD-6432 is a self-aligned silicon gate CMOS bi-directional bus driver. This circuit consists of 12 drivers organized as 6 bi-directional pairs. Four enable lines select drive direction or Three-State mode.

Outputs guaranteed valid at VCC 2.0V for Battery Backup Applications.

Pinout

TOP VIEW

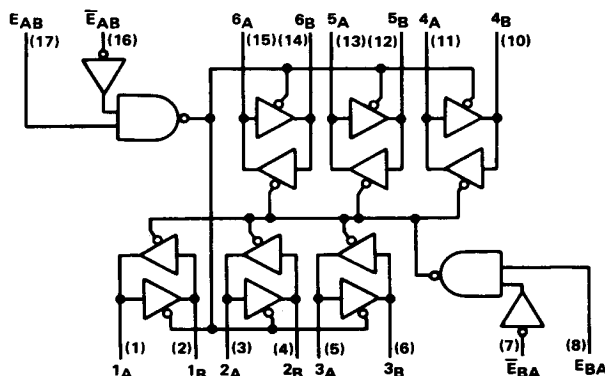


Truth Table

CONTROL INPUTS				DATA PORT STATUS	
EAB	$\bar{E}AB$	EBA	$\bar{E}BA$	A	B
L	X	H	L	O	I
X	H	H	L	O	I
H	L	X	H	I	O
H	L	L	X	I	O
L	X	L	X	ISOLATED	ISOLATED
X	H	X	H	ISOLATED	ISOLATED
L	X	X	H	ISOLATED	ISOLATED
X	H	L	X	ISOLATED	ISOLATED
H	L	H	L	NOT ALLOWED	NOT ALLOWED

I = Input, O = Output, X = Don't Care

Functional Diagram



CAUTION: Electronic devices are sensitive to electrostatic discharge. Proper I.C. handling procedures should be followed.