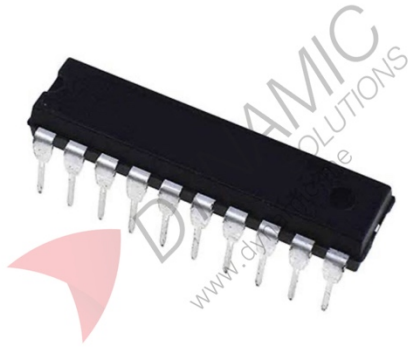


## 74HC245AN Octal 3-State Bus Transceiver IC



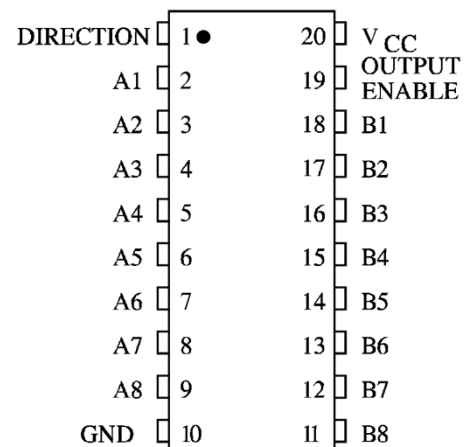
### **Features:**

The 74HC245AN is a high performance CMOS octal 3-state noninverting bus transceiver designed for asynchronous bidirectional communication between data buses. It includes direction control and an active low output enable input to manage data flow and high impedance states. The device is compatible with CMOS and TTL logic levels and offers high noise immunity with low power consumption, making it suitable for microprocessor interfacing and digital bus systems.

Specifications	
Supply Voltage (VCC)	2.0V to 6.0V
Input Voltage	0 to VCC
Output Voltage	0 to VCC
Input Current	1 uA
Output Current	+35 mA
Operating Temperature	-55C to 125C
Storage Temperature	-65C to 150C
Power Dissipation	500 to 750 mW
Package Type	20-pin DIP
Usage	Data bus communication, microprocessor interfacing

### **Pinouts:**

Pin Name	Type	Description
DIR	Input	Direction control input
A1-A8	Input	Input bus A bit 1 to 8
GND	Power	Ground
B1-B8	Input	Output bus B bit 1 to 8
OE	Input	Output enable active low
VCC	Power	Supply voltage



**Product Pictures:**

