

VL82C288

CMOS BUS CONTROLLER

FEATURES

- Both local and system bus commands and control are provided
- Supports both Multibus® and high-speed bus cycle operating modes
- High-current output drivers
- Flexible command timing
- High degree of system configuration flexibility
- Low power consuming CMOS technology
- Single 5 V power supply

DESCRIPTION

The VL82C288 is a CMOS bus controller for use in Intel 286-type microprocessor-based systems. A mode select pin allows strapping the device for Multibus operation or for short bus cycles. The device also provides separate command outputs for memory and I/O devices. The data bus is controlled by separate data direction and data enable signals.

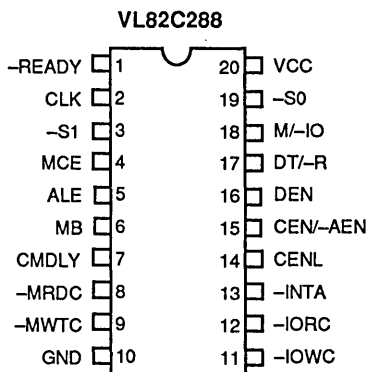
A system clock provides the timing control required by the microprocessor-based system. The device clock input is

twice the system clock speed. To avoid confusion, the clock frequency listed in the order information is the system clock frequency (e.g., the devices listed as 8 MHz Clock Frequency, would have an input clock of 16 MHz).

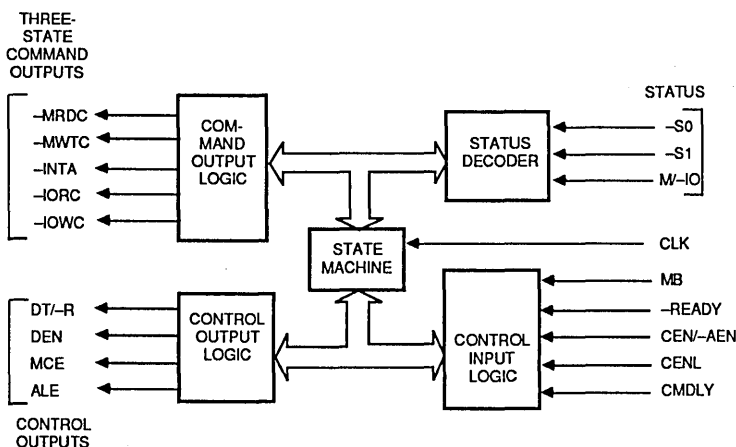
The VL82C288 meets the timing and drive requirements to satisfy the IEEE-796 standard for Multibus.

The VL82C288 is available in a 20-pin ceramic or plastic DIP, as well as in a plastic leaded chip carrier.

PIN DIAGRAM



BLOCK DIAGRAM



PLEASE CONSULT DATA SHEET FOR DETAILED INFORMATION

ORDER INFORMATION

Part Number	Clock Frequency	Package
VL82C288-06PC	6 MHz	Plastic DIP
VL82C288-06QC		Plastic Leaded Chip Carrier (PLCC)
VL82C288-06CC		Ceramic DIP
VL82C288-08PC	8 MHz	Plastic DIP
VL82C288-08QC		Plastic Leaded Chip Carrier (PLCC)
VL82C288-08CC		Ceramic DIP

Note: Operating temperature range is 0°C to +70°C.