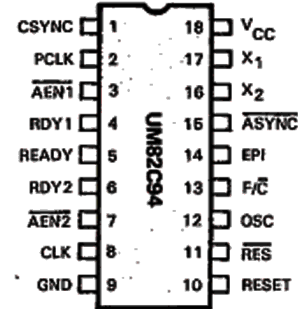


# UM82C94 CMOS Clock Generator & Driver

## FEATURES

- Generates the System Clock for CMOS or NMOS Microprocessors.
- Up to 25 MHz Operation.
- Uses a Parallel Mode Crystal Circuit or External Frequency Source.
- Provides Ready Synchronization.
- Generates System Reset Output from Schmitt Trigger Input.
- Capable of Clock Synchronization with Other 82094
- TTL Compatible Inputs/Outputs.
- Very Low Power Consumption.
- 18-pin Package.
- Single +5V Power Supply.
- Required 2 Times the Frequency of the Desired CLK Output

## PIN CONFIGURATION



CONTROL PIN	LOGIC 1	LOGIC 0
F/ $\bar{C}$	External Clock	Crystal Drive
$\bar{R}ES$	Normal	Reset
RDY1 RDY2	Bus Ready	Bus Not Ready
$\bar{A}EN1$ $\bar{A}EN2$	Address Disabled	Address Enabled
ASYNC	2 Stage Ready Synchronization	1 Stage Ready Synchronization

# UM8237A-5/AE-5 Programmable DMA Controller

## FEATURES

- Enable/Disable Control of Individual DMA Requests
- Four Independent DMA Channels
- Independent Autoinitialization of all Channels
- Memory-to-memory Transfers
- Memory Block Initialization
- Address Increment or Decrement
- High Performance: Transfers up to 1.6M Bytes/Second with 5 MHz 8237A-5
- Directly Expandable to any Number of Channels
- End of Process Input for Terminating Transfers
- Software DMA Requests
- Independent Polarity Control for DREQ and DACK Signals
- Available in EXPRESS
  - Standard Temperature Range

## PIN CONFIGURATION

