



PRODUCT NAME : P89V51RD2 ICS

PRICE : Rs 399.00

SKU : RM1293



DESCRIPTION

The P89V51RB2/RC2/RD2 are 80C51 microcontrollers with 16/32/64 kB flash and 1024 B of data RAM. A key feature of the P89V51RB2/RC2/RD2 is its X2 mode option. The design engineer can choose to run the application with the conventional 80C51 clock rate (12 clocks per machine cycle) or select the X2 mode (six clocks per machine cycle) to achieve twice the throughput at the same clock frequency. Another way to benefit from this feature is to keep the same performance by reducing the clock frequency by half, thus dramatically reducing the EMI. The flash program memory supports both parallel programming and in serial ISP. Parallel programming mode offers gang-programming at high speed, reducing programming costs and time to market. ISP allows a device to be reprogrammed in the end product under software control. The capability to field/update the application firmware makes a wide range of applications possible. The P89V51RB2/RC2/RD2 is also capable of IAP, allowing the flash program memory to be reconfigured even while the application is running.

Features of P89V51RD2 ICS:

- 80C51 Central Processing Unit.
- 5 V Operating voltage from 0 to 40 MHz.
- 64 kB of on-chip Flash program memory with ISP (In-System Programming) and.
- IAP (In-Application Programming).
- Supports 12-clock (default) or 6-clock mode selection via software or ISP.
- SPI (Serial Peripheral Interface) and enhanced UART.
- PCA (Programmable Counter Array) with PWM and Capture/Compare functions.
- Four 8-bit I/O ports with three high-current Port 1 pins (16 mA each).
- Three 16-bit timers/counters.
- Programmable Watchdog timer (WDT).
- Eight interrupt sources with four priority levels.
- Second DPTR register.
- Low EMI mode (ALE inhibit).
- TTL- and CMOS-compatible logic levels.

Applications of P89V51RD2 ICS:

- It is used in robotics.
- It is used in 8051 Based Projects.

Note: Images shown is only for representation. The actual product may vary with the picture shown.

Also Searched as : **P89V51RD2 microcontroller.**