



PRODUCT NAME : Atmel 89C51 Microcontroller

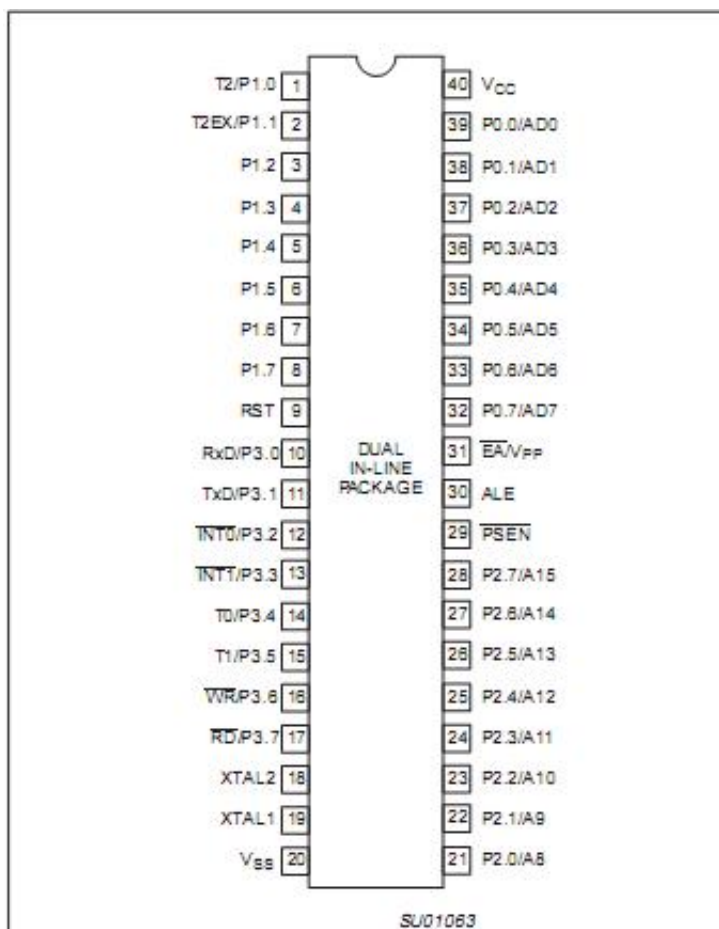
PRICE : Rs 100.00
SKU : RM0080



DESCRIPTION

The **Atmel 89C51 Microcontroller** or commonly known as **AT89C51** is a low-power, high-performance CMOS 8-bit microcomputer with 4K bytes of Flash programmable and erasable read only memory (PEROM). The device is manufactured using Atmel’s high-density nonvolatile memory technology and is compatible with the industry-standard MCS-51 instruction set and pinout. The on-chip Flash allows the program memory to be reprogrammed in-system or by a conventional nonvolatile memory programmer. By combining a versatile 8-bit CPU with Flash on a monolithic chip, the Atmel AT89C51 is a powerful microcomputer which provides a highly-flexible and cost-effective solution to many embedded control applications.

Images of Atmel AT89C51 Microcontroller



Features of Atmel AT89C51 Microcontroller:

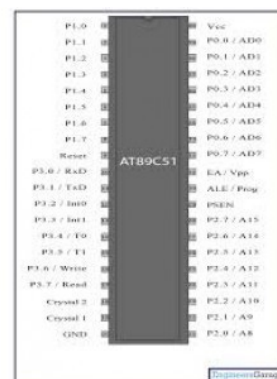
- Operating Voltage: **4.5V to 5V**.
- Compatible with **MCS-51™** Products.
- 4K Bytes of In-System Reprogrammable Flash Memory.
- Endurance: 1,000 Write/Erase Cycles
- Fully Static Operation : **0 Hz to 24 MHz**
- Three-level Program Memory Lock.
- 128 x 8-bit Internal RAM.
- 32 Programmable I/O Lines.
- Two 16-bit Timer/Counters.
- Six Interrupt Sources.
- Programmable Serial Channel.
- Low-power Idle and Power-down Modes.

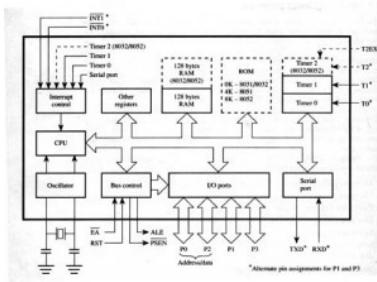
Applications of Atmel AT89C51 Microcontroller:

- Multiple DIY projects.
- Projects requiring more than logical control for devices.
- Microcontroller applications for multiple device interface/Control.
- Replacement for Arduino module.
- Needs a USB AVR programmer.

Also Searched as :**atmel 89c51 datasheet,atmel 89c51 projects,atmel 89c51 price,atmel 89c51 burner circuit,atmel 89c51 bootloader.**

ADDITIONAL IMAGES





P1.0	1	40	VCC	
P1.1	2	39	P0.0 (AD0)	
P1.2	3	38	P0.1 (AD1)	
P1.3	4	37	P0.2 (AD2)	
P1.4	5	36	P0.3 (AD3)	
P1.5	6	35	P0.4 (AD4)	
P1.6	7	34	P0.5 (AD5)	
P1.7	8	33	P0.6 (AD6)	
RST	9	32	P0.7 (AD7)	
(RXD)	P3.0	10	31	EA/VPP
(TXD)	P3.1	11	30	ALE/PROG
(INT0)	P3.2	12	29	PSEN
(INT1)	P3.3	13	28	P2.7 (A15)
(T0)	P3.4	14	27	P2.6 (A14)
(T1)	P3.5	15	26	P2.5 (A13)
(WR)	P3.6	16	25	P2.4 (A12)
(RD)	P3.7	17	24	P2.3 (A11)
XTAL2	18	23	P2.2 (A10)	
XTAL1	19	22	P2.1 (A9)	
GND	20	21	P2.0 (A8)	