



Features

- General 8051 family compatible
- 64 K byte External Memory
- 8 bit bus I/O ports
- ROM less for U2031
- 128 byte RAM
- Two 16 bit Timers (Event Counters)
- 128 byte depth stack
- Full duplex serial channel
- Bit operation instructions
- Page free jumps
- 8 - bit Unsigned Division
- 8 - bit Unsigned Multiply
- BCD arithmetic
- Direct Addressing
- Indirect Addressing
- Nested Interrupt
- Two priority level interrupt
- A serial I/O port
- Working at 16/25/40 MHz Clock

Description

The MVI U2031 is an 8 - bit single chip microcontroller. It provides hardware features and powerful instruction set that are necessary to make it a versatile and cost effective controller for those applications need up to 64K byte external memory either for program or for data and mixed.

A serial input / output port is provided for I/O expansion, Inter - processor communications, full duplex UART.

Ordering Information

MSU2031ajks

a:process identifier. {C:=COMS}  
 jk:working clock in MHz. {16, 25, 40}  
 s:package type. {blank:=dice, P:=40-L 600 mil PDIP; j:=44-L PLCC}

See 14-page PID 251\*\*\*\*\* 10/96 for details which belongs to MSU2051.

Taiwan  
 #1, Creation Road I,  
 Science - based Industrial Park,  
 Hsinchu, 30077  
 Taiwan, ROC  
 "audio\_reply @ccmail.mosel.com.tw"  
 TEL: 886-3-5770055  
 FAX: 886-3-5772788  
 FAX: 886-3-5784732

Taipei  
 7F, #102 Sec. 3,  
 Ming Chung E. Road,  
 Taipei,105  
 Taiwan, ROC  
 TEL: 886-2-5451213  
 FAX: 886-2-5451214

Hongkong  
 #19 Dai Fu Street,  
 Taipo Industrial Estate,  
 Taipo, N.T.  
 Hongkong  
 TEL: 852-2388-8277(MKO)  
 TEL: 852-2665-4883  
 FAX: 852-2664-2406  
 FAX: 852-2770-8011(MKO)

U.S.A.  
 #3910 North First Street,  
 San Jose,  
 CA. 65134-1501  
 U.S.A.  
 TEL: 1-408-433-6000  
 FAX: 1-408-433-0952