



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