February 1999   **8 - Bit Micro-controller**

Product List   *with 24 KB flash embedded*

MSU2956C16, 16 MHz 24 KB internal memory MCU
MSU2956C25, 25 MHz 24 KB internal memory MCU
MSU2956C40, 40 MHz 24 KB internal memory MCU

Description

The MVI MSU2956 series product is an 8 - bit single chip microcontroller with 24 KB flash embedded. It provides hardware features and a powerful instruction set, necessary to make it a versatile and cost effective controller for those applications demand up to 32 I/O pins or need up to 24 K byte memory either for program or for data or mixed.
To program the flash block, a commercial programmer is capable to do it.

Ordering Information

MSU2956 i hhk

i: process identifier {C}.
hh: working clock in MHz {16, 25, 40}.
k: package type postfix {as below table}.

Features

■   Working voltage : 4.5 V through 5.5 V
    Programming voltage : 5 V
■   General 80C51 family compatible
■   12 clocks per machine cycle
■   24 K byte internal flash memory
■   256 byte data RAM
■   Three 16 bit Timers/Counters
■   Four 8-bit I/O ports
■   Full duplex serial channel
■   Bit operation instructions
■   Page free jumps
■   8 - bit Unsigned Division
■   8 - bit Unsigned Multiply
■   BCD arithmatic
■   Direct Addressing
■   Indirect Addressing
■   Nested Interrupt
■   Two priority level interrupt
■   A serial I/O port
■   Power save modes:
    Idle mode and Power down mode
■   Working at 16/25/40 MHz Clock

Postfix	Package	Pin/Pad Configuration	Dimension	Logo Size at Top Marking
blank	dice	-	-	-
P	40L PDIP	-	-	5.0 x 4.2 mm
J	44L PLCC	-	-	4.5 x 3.8 mm
Q	44L PQFP	-	-	2.8 x 2.4 mm
U	44L LQFP	-	-	2.8 x 2.4 mm

Specifications subject to change without notice, contact your sales representatives for the most recent information.

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