

MICROCHIP一级代理单片机 PIC16F887-I/PT PIC16F887 微星

产品名称	MICROCHIP一级代理单片机 PIC16F887-I/PT PIC16F887 微星
公司名称	昆山海驰电子有限公司
价格	面议
规格参数	类型: 品牌:MICROCHIP 型号:PIC16F887-I/PT
公司地址	昆山市花桥国际商务城花安路183号昆山赛格电子市场1楼1E40
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产品详情

pic16f882/883/884/886/887

28/40/44-pin, enhanced flash-based 8-bit cmos microcontrollers with nanowatt technology

high-performance risc cpu: • only 35 instructions to learn:- all single-cycle instructions except branches • operating speed:- dc – 20 mhz oscillator/clock input- dc – 200 ns instruction cycle • interrupt capability • 8-level deep hardware stack • direct, indirect and relative addressing modespecial microcontroller features: • precision internal oscillator:- factory calibrated to $\pm 1\%$ - software selectable frequency range of 8 mhz to 31 khz- software tunable- two-speed start-up mode- crystal fail detect for critical applications- clock mode switching during operation for power savings • power-saving sleep mode • wide operating voltage range (2.0v-5.5v) • industrial and extended temperature range • power-on reset (por) • power-up timer (pwrt) and oscillator start-up timer (ost) • brown-out reset (bor) with software control option • enhanced low-current watchdog timer (wdt) with on-chip oscillator (software selectable nominal 268 seconds with full prescaler) with software enable • multiplexed master clear with pull-up/input pin • programmable code protection • high endurance flash/EEPROM cell:- 100,000 write flash endurance- 1,000,000 write EEPROM endurance- flash/data EEPROM retention: > 40 years • program memory read/write during run time • in-circuit debugger (on board) low-power features: • standby current:- 50 nA @ 2.0V, typical • operating current:- 11 μ A @ 32 khz, 2.0V, typical- 220 μ A @ 4 mhz, 2.0V, typical • watchdog timer current:- 1 μ A @ 2.0V, typical peripheral features: • 24/35 I/O pins with individual direction control:- high current source/sink for direct LED drive- interrupt-on-change pin- individually programmable weak pull-ups- ultra low-power wake-up (ULPWU) • analog comparator module with:- two analog comparators- programmable on-chip voltage reference (CVREF) module (% of VDD)- fixed voltage reference (0.6V)- comparator inputs and outputs externally accessible- SR latch mode- external timer1 gate (count enable) • A/D converter:- 10-bit resolution and 11/14 channels • timer0: 8-bit timer/counter with 8-bit programmable prescaler • enhanced timer1:- 16-bit timer/counter with prescaler- external gate input mode- dedicated low-power 32 khz oscillator • timer2: 8-bit timer/counter with 8-bit period register,

prescaler and postscaler • enhanced capture, compare, pwm+ module:- 16-bit capture, max. resolution 12.5 ns- compare, max. resolution 200 ns- 10-bit pwm with 1, 2 or 4 output channels, programmable “ dead time ” , max. frequency 20 khz- pwm output steering control • capture, compare, pwm module:- 16-bit capture, max. resolution 12.5 ns- 16-bit compare, max. resolution 200 ns- 10-bit pwm, max. frequency 20 khz • enhanced usart module:- supports rs-485, rs-232, and lin 2.0- auto-baud detect- auto-wake-up on start bit • in-circuit serial programmingtm (icsptm) via twopins • master synchronous serial port (mssp) modulesupporting 3-wire spi (all 4 modes) and i2c™master and slave modes with i2c address mask

本产品的类型是单片机，品牌是MICROCHIP，型号是PIC16F887-I/PT，功率是1，针脚数是44，用途是仪器，封装是TQFP44L，批号是原装全新