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MICROCHIP Technology Inc. is a leading provider of microcontroller and analog semiconductors, providing low-risk product development, lower total system cost and faster time to market. Microchip products are worldwide known top featured products like PIC® microcontrollers, dsPIC® digital signal controllers, Analog, Memory, Flash IP-Solutions, Wireless, Interface, Safe & security solutions.

MICROCHIP Technology Inc. je přední výrobce mikrokontrolérů a analogových polovodičů, poskytující nízkorizikový vývoj produktu, nižší celkovou cenu systému a rychlejší uvedení výrobku na trh. Produkty Microchip jsou světově známé špičkové komponenty jako mikrokontroléry PIC®, dsPIC®, digitální signálové kontroléry, analogová a paměťová řešení, bezpečnostní, bezdrátové a komunikační řešení.

MICROCHIP Technology Inc. bietet als führender Produzent von Mikrocontrollern und analogen Halbleitern eine risikoarme Produktentwicklung, niedrigeren Gesamtpreis für Systemlösungen sowie eine schnellere Markteinführung neuer Produkte an. Die Microchip Produkte sind weltweit bekannte Spitzenkomponenten wie etwa die PIC®-Mikrocontroller, digitale dsPIC®-Signalcontroller, analoge und Speicherlösungen, Sicherheits-, drahtlose und Kommunikationslösungen.

A MICROCHIP Tech-nology Inc. a fő mikrokontroller és analóg félvezetőgyártók közé tartozik, mely alacsony kockázatú termékfejlesztést, alacsonyabb rendszer árakat és a termék gyorsabb piacra való bevezetését nyújtja. A Microchip világszerte ismert kiváló termékei közé tartoznak a PIC® mikrokontrollerek, a dsPIC® digitális jelfeldolgozók, az analóg és memória megoldások, a biztonsági, vezeték nélküli és kommunikációs megoldások.

MICROCHIP Tech-nology Inc. to wiodący producent mikrokontrolerów i półprzewodników analogowych, oferujący nisko-ryzy-kowe zaprojektowanie produktu, niższą cenę całkowitą systemu oraz szybsze wprowadzenie produktu na rynek. Produkty Microchip to znane na całym świecie elementy jak mikrokon-trolery PIC®, cyfrowe sterowniki sygnałowe dsPIC®, systemy analogowe i pamięciowe, rozwiązania bezpie-czeństwa, bezprzewodowe i komunikacyjne.

MICROCHIP Technology Inc. este un furnizor important de micro-controloare și semi-conductoare analoage, oferind dezvoltări de produs cu risc scăzut, costuri reduse și timp redus de lansare pe piață. Produsele Microchip sunt cunoscute în toata lumea ca niște produse marcante cum ar fi micro-controloare-le PIC®, controloare-le digitale de semnal dsPIC®, soluții de proprietate intelectuală Analog, Memory și Flash, soluții de securitate wireless, de interfață.

MICROCHIP Tech-nology Inc. je vedúci výrobca mikrokontrolé-rov a analógových polovodičov, poskytujúci nízkorizikový vývoj produktu, nižšiu celkovú cenu systému a rýchlejšie uvedenie výrobku na trh. Produkty Microchip sú svetovo známe špičkové komponenty ako mikrokontroléry PIC®, dsPIC® digitálne signálové kontroléry, analógové a pamäťové riešenia, bezpečnostné, bezdrôtové a komunikačné riešenia.

Headquartered in Chandler, Arizona/USA, Microchip offers outstanding technical support along with dependable delivery and quality. Microchip microcontrollers feature excellent properties, very low power consumption and also very good EMI/EMC properties.

Microchip's 16-bit, PIC24 MCUs and dsPIC® Digital Signal Controllers provide designers with an easy upgrade path from 8-bit

PIC® microcontrollers and a cost effective option to 32-bit MCUs. The broad product line includes everything from eXtreme Low Power microcontrollers to high performance digital signal controllers. Combined with hardware and free software these 16-bit products make the design of mTouch™ Sensing, Graphics, Connectivity, Digital Power Conversion, Smart Energy and Motor Control solutions easy to implement.

? Why MICROCHIP?

- top featured microcontrollers, analog and digital semiconductors
- wide range customer support, many development tools

- **Broad Portfolio**
  Pin and code-compatible across families 16 to 70 MIPS PIC24 MCU & dsPIC® DSC families, Flexible memory options up to 536 KB, Single Cycle Execution, Integrated WDT, POR, BOR and LVD. Fast DMA EEPROM.
- **Free Software Libraries**
  mTouch™ Sensing Solutions, and Speech, USB-OTG, CAN and Ethernet, Motor Control, SMPS and Audio.
- **Innovative Peripherals**
  Graphics Control and Interface, Integrated Op Amps, USB-OTG, CAN, LIN with Supporting Software, Digital Power Conversion and Motor Control Peripherals and Libraries.
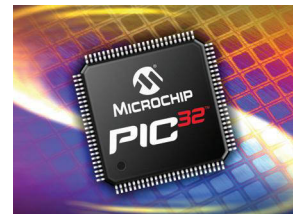
8-bit PIC®

Microchip's 8-bit PIC microcontrollers provide the performance required for 4, 8 and 16-bit microcontroller applications. Microchip's PIC microcontrollers, available in 6 to 80-pin packages and from 384 bytes to 128 Kbytes of program memory. By combining RISC features with a modified Harvard dual-bus architecture, Microchip's fast and flexible 10 MIPS PIC18F core is the most popular architecture for new microcontroller designs. A simple instruction set and seamless migration between product families make PIC microcontrollers the logical choice for designs requiring flexibility and performance.

32-bit PIC®

Whilst the PIC32 can provide an easy and logical upgrade for existing users of Microchip's 8-& 16-bit PIC® microcontrollers, it also delivers true 32-bit performance with more memory to solve many of the increasingly complex embedded designs. The PIC32 family is supported by Microchip's MPLAB® development environment. Microchip offers a full set of development tools, code examples, USB, graphics, TCP/IP, and File System software all available with free source code. Industry partners offer real-time operating systems, development tools, graphical/GUI packages, file system, and networking middleware.

16-bit PIC®

Microchip offers two 16-bit Microcontroller (MCU) families plus two 16-bit Digital Signal Controller (DSC) families that give you compatible options across a wide spectrum of price, performance and feature sets.

Whether your system requires the lowest cost 16-bit solution, the most powerful 16-bit MCU in the industry, or DSP capability, Microchip offers a broad range of products while preserving the compatibility that helps save you time and money on subsequent designs.

Serial EEPROM

Microchip offers the broadest range of Serial EEPROM devices (from 128 bits to 1 Mbit) over the widest operating voltage range (1.7 to 5.5V). Microchip offers a wide selection of innovative packages including small SOT-23 and SC-70 packages – as well as die options. Innovative low-power designs along with Microchip's "Triple Test Flow" ensure high performance and quality at low costs.