

PIC24FJ64GP205/GU205 – Cost-effective Low Power MCUs with USB

eXtreme Low Power operation and Low Pin Count

- 28 to 48 pins and packages as small as 4 x 4 mm for portable designs
- Ultra Low Sleep Current MCU down to 510nA – Full RAM Retention
- Core independent operations in power down modes

Cost sensitive applications that require rich feature set

- USB 2.0 Full Speed , Dual Role Capable – Can Act as either Host or Device
- Optimized memory size of 64/32KB ECC Flash and 8KB RAM
- Easy migration from PIC18 USB devices - Offers comparable ultra-low power performance, CIPs and MCC support along with USB Lite library

Increased focus on Robustness and Code Protection Security

- Hardware safety features for reliable operations in harsh environment
- Code Protection Security for IP protection and Secure Boot

Connected Sensor and Control applications

- Integrated USB and other serial communication peripherals for connectivity
- High-level analog integration to reduce BoM cost

Hardware Development Tools

- PIC24F64GU205 Curiosity Nano Development Board (EV10K72A)
- PIC24F64GU205 Plug-In Module (EV95N98A)

Software Development Tools

- MPLAB® X IDE, MPLAB® Xpress Cloud Based IDE
- MPLAB® Code Configurator (MCC), XC16 C Compiler

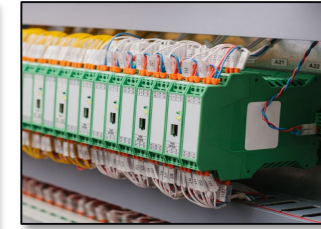
Product Info www.microchip.com/PIC24FJ64GU205



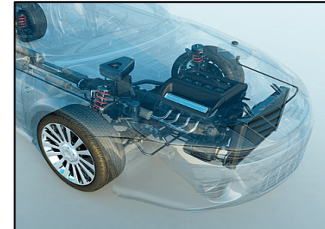
Low Power / Wireless



Consumer



Industrial Control



Automotive

