**dsPIC33FJ128GP706**

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| **Parameter Name** | **Value** |
| Architecture | 16-bit |
| CPU Speed (MIPS) | 40 |
| Memory Type | Flash |
| Program Memory (KB) | 128 |
| RAM Bytes | 16,384 |
| Temperature Range C | -40 to 85 |
| Operating Voltage Range (V) | 3 to 3.6 |
| I/O Pins | 53 |
| Pin Count | 64 |
| System Management Features | PBOR |
| Internal Oscillator | 7.37 MHz, 512 kHz |
| nanoWatt Features | Fast Wake/Fast Control |
| Digital Communication Peripherals | 2-UART, 2-SPI, 2-I2C |
| Analog Peripherals | 2-A/D 18x12-bit @ 500(ksps) |
| CAN (#, type) | 2 ECAN |
| Capture/Compare/PWM Peripherals | 8/8 |
| 16-bit PWM resolutions | 16 |
| Timers | 9 x 16-bit 4 x 32-bit |
| Parallel Port | GPIO |
| Hardware RTCC | No |
| DMA | 8 |