

#### Debug Support

- Integrated debug support on Device. No debug header is required
- Optional external debug headers, AC244043 (F) / AC244044 (LF), are also available
- Debug and programming support is available via PICkit™ 3, and MPLAB® ICD 3
- For Debug Header information, please refer to [DS51292](#)

Features
<ul style="list-style-type: none"> <li>■ Enhanced Mid-range Core with 49 Instruction, 16 Stack Levels</li> <li>■ Flash Program Memory with self read/write capability</li> <li>■ Internal 32MHz oscillator</li> <li>■ Integrated Capacitive mTouch Sensing Module</li> <li>■ Data Signal Modulator Module</li> <li>■ MI2C, SPI, EUSART w/auto baud</li> <li>■ ECCP (Enhanced/Capture Compare PWM) Module</li> <li>■ Comparators with selectable Voltage Reference</li> <li>■ 8 Channel 10b ADC with Voltage Reference</li> <li>■ 25mA Source/Sink current I/O</li> <li>■ Two 8-bit Timers (TMR0/TMR2)</li> <li>■ One 16-bit Timer (TMR1)</li> <li>■ Extended Watchdog Timer (EWDT)</li> <li>■ Enhanced Power-On/Off-Reset</li> <li>■ Brown-Out Reset (BOR)</li> <li>■ In Circuit Serial Programming (ICSP)</li> <li>■ On Board In-Circuit Debug</li> <li>■ Wide Operating Voltage (1.8V – 5.5V)</li> <li>■ Low Power PIC16LF182x variants (1.8V – 3.6V)</li> <li>■ Standby Current (PIC16LF182X): 20 nA @ 1.8V, typical</li> <li>■ Active Current(PIC12LF1823): 50 uA/MHz @ 1.8V, typical</li> </ul>

Parameter Name	Value
Program Memory Type	Flash
Program Memory (KB)	3.5
CPU Speed (MIPS)	8
RAM Bytes	128
Data EEPROM (bytes)	256
Digital Communication Peripherals	1-A/E/USART, 1-MSSP(SPI/I2C)
Capture/Compare/PWM Peripherals	1 ECCP
Timers	2 x 8-bit, 1 x 16-bit
ADC	8 ch, 10-bit
Comparators	2
Temperature Range (C)	-40 to 125
Operating Voltage Range (V)	1.8 to 5.5
Pin Count	14
XLP	Yes
Cap Touch Channels	8