

# PICkit™ 2 64/80-Pin PIC18J Demonstration Board

## Summary

The PICkit™ 2 64/80-pin PIC18J Demonstration board is the latest 64/80-pin TQFP demonstration board for evaluating Microchip Technology's PIC18J Flash microcontrollers. It comes populated with a PIC18F87J10 MCU. Programming is supported through a 6-pin header connection to a PICkit 2 microcontroller programmer (PG164120).

## Software

The PIC18F87J10 MCU is preprogrammed with demonstration software which displays A/D results on the LEDs. On power-up, the PIC18F87J10 will continuously display the current 8 Most Significant bits (MSBs) of the A/D result on the LEDs. Varying the potentiometer will change the value on the LEDs. Pressing switch S1 will change the mode to counting where the port connected to the LEDs is continuously incremented. Releasing switch S1 returns to the A/D result display.

## Additional Features

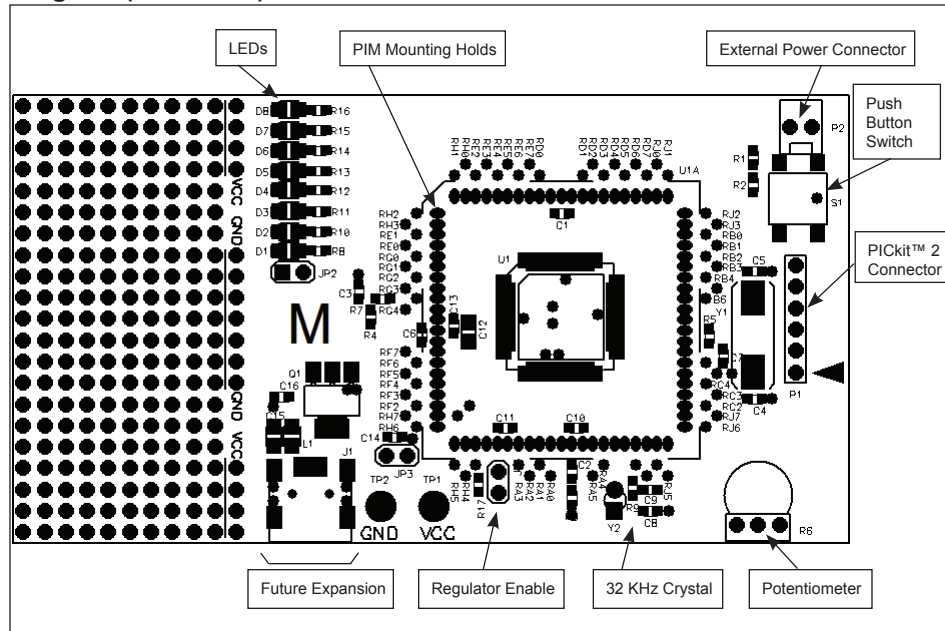
- LEDs disabled through jumper JP2
- 32 KHz crystal and load capacitors for Timer1 operation
- Plug-in Module (PIM) style mounting holes for connection to other boards
- External power connection through P2. Must ensure that the voltage is in the range of 2.7V to 3.6V when jumper JP1 is installed. Otherwise a voltage of 2.0V to 2.7V is used when jumper JP1 is removed. Jumper JP1 enables the on-chip voltage regulator of the PIC18F87J10 MCU.

To obtain the most recent and complete documentation for this demonstration board including:

- This information sheet
- Board Schematics
- Source code examples

Please refer to the following web site: <http://www.microchip.com/PICkit2>

**Figure 1: PICkit™ 2 64/80-Pin PIC18J Demonstration Board Diagram (DM4120-5)**



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