

PIC16F882/883/884/886/887

2.0 MEMORY ORGANIZATION

2.1 Program Memory Organization

The PIC16F882/883/884/886/887 has a 13-bit program counter capable of addressing a 2K x 14 (0000h-07FFh) for the PIC16F882, 4K x 14 (0000h-0FFFh) for the PIC16F883/PIC16F884, and 8K x 14 (0000h-1FFFh) for the PIC16F886/PIC16F887 program memory space. Accessing a location above these boundaries will cause a wraparound within the first 8K x 14 space. The Reset vector is at 0000h and the interrupt vector is at 0004h (see Figures 2-2 and 2-3).

FIGURE 2-1: PROGRAM MEMORY MAP AND STACK FOR THE PIC16F882

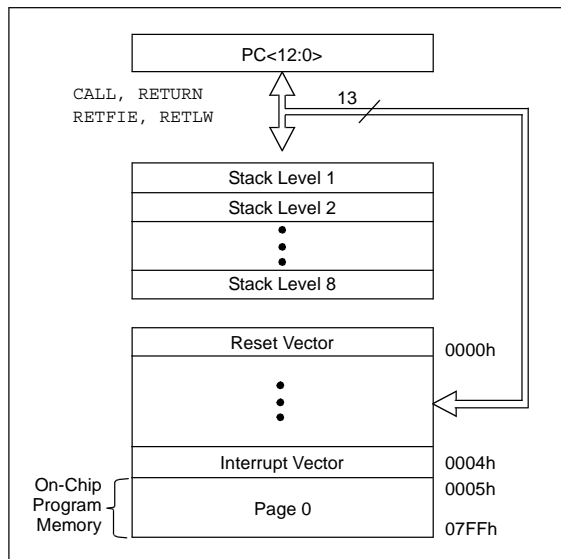


FIGURE 2-2: PROGRAM MEMORY MAP AND STACK FOR THE PIC16F883/PIC16F884

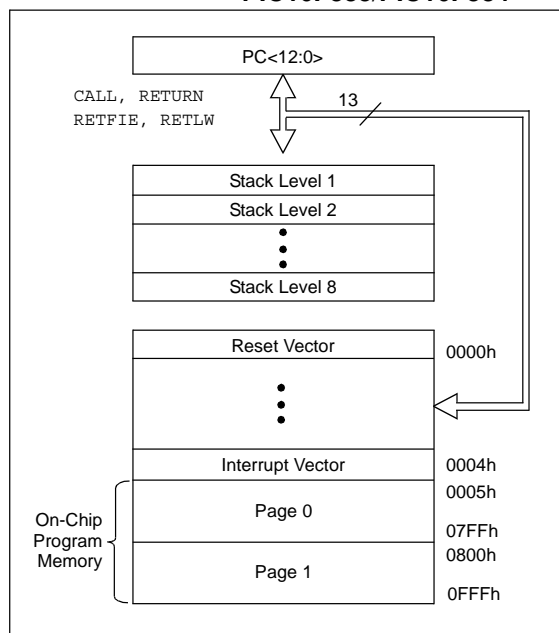


FIGURE 2-3: PROGRAM MEMORY MAP AND STACK FOR THE PIC16F886/PIC16F887

