MCAcademy PIC Lab #10 Students:

Write an MPASM program for the PIC16F887 Microcontroller that interfaces to a 4x4 matrix keypad.

Use a 7-segment display to display the value entered on the keypad. Use a look up table to hold the codes displayed on the 7-segment.

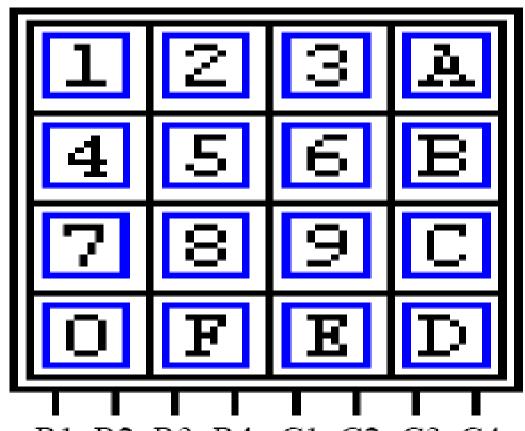
APPROVIGIO

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PIC Lab #

Students:

4x4 MATRIX KEYPAD PIN CONFIGURATION



R1 R2 R3 R4 C1 C2 C3 C4

1 - R1+C1

2 - R2+C1

3 - R3+C1

A - R4+C1

4 - R1+C2

5 - R2+C2

6 - R3+C2

B - R4+C2

7 - R1+C3 0 - R1+C4 8 - R2+C3 F - R2+C4 9 - R3+C3 E - R3+C4 C - R4+C3 D - R4+C4