(10K pot is included on the LCD board)

+5V

10 Kohms

LCD pin 2

LCD Pin 3 (Already connected)

LCD pin 1

0V (GROUND)

+5V (connected internally)

LCD GND Pin 1 (rightmost)

(10K pot is included on the LCD board)

LCD +5V Pin 2

LCD Contrast Pin 3

68HC12 LCD Wiring Connections
0V (GROUND) – LCD GND Pin 1 (rightmost)

10 Kohms (10K pot is included on the LCD board)

+5V

(connected internally)

LCD +5V Pin 2

Port A4 Pin 30 – LCD RS Pin 4

Port A3 Pin 31 – LCD R/W Pin 5

Port A5 Pin 29 – LCD Enable Pin 6

Port C0 Pin 9 – LCD Pin 7

Port C1 Pin 10 – LCD Pin 8

Port C2 Pin 11 – LCD Pin 9

Port C3 Pin 12 – LCD Pin 10

Port C4 Pin 13 – LCD Pin 11

Port C5 Pin 14 – LCD Pin 12

Port C6 Pin 15 – LCD Pin 13

Port C7 Pin 16 – LCD Pin 14 (leftmost)

68HC11 LCD Wiring Connections
Keypad Connections

Port J4 J8 Pin 3  ————  Pin 1 (rightmost)
Port J5 J8 Pin 4  ————  Pin 2
Port J6 J8 Pin 1  ————  Pin 3
Port J7 J8 Pin 2  ————  Pin 4
Port J0 J8 Pin 7  ————  Pin 5
Port J1 J8 Pin 8  ————  Pin 6
Port J2 J8 Pin 5  ————  Pin 7
Port J3 J8 Pin 6  ————  Pin 8 (leftmost)