



Target 1

Project keypad2.c lcd.h STARTUP.A51

Project: keypad

- Target 1
  - Source Group 1
    - STARTUP.A51
    - lcd.h
    - keypad2.c
    - reg51.h

```
56 ROW2 = 1;
57 ROW3 = 1;
58
59 // Columns are inputs with pull-ups (they should be high when not pressed)
60 // This is handled by the hardware as mentioned in the PDF
61 }
62
63
64 unsigned char scan_keypad(void) {
65     unsigned char row;
66
67     if((COL0 == 1) && (COL1 == 1) && (COL2 == 1) && (COL3 == 1)) {
68         return 0;
69     }
70
71     delay_ms(20);
72
73     for(row = 0; row < 4; row++) {
74         ROW0 = 1;
75         ROW1 = 1;
76         ROW2 = 1;
77         ROW3 = 1;
78
79         switch(row) {
80             case 0: ROW0 = 0; break;
81             case 1: ROW1 = 0; break;
82             case 2: ROW2 = 0; break;
83             case 3: ROW3 = 0; break;
84         }
85
86         if(COL0 == 0) return keypad_map[row][0];
87         if(COL1 == 0) return keypad_map[row][1];
88         if(COL2 == 0) return keypad_map[row][2];
89         if(COL3 == 0) return keypad_map[row][3];
90     }
91 }
```

Pro... Bo... Fu... Te...

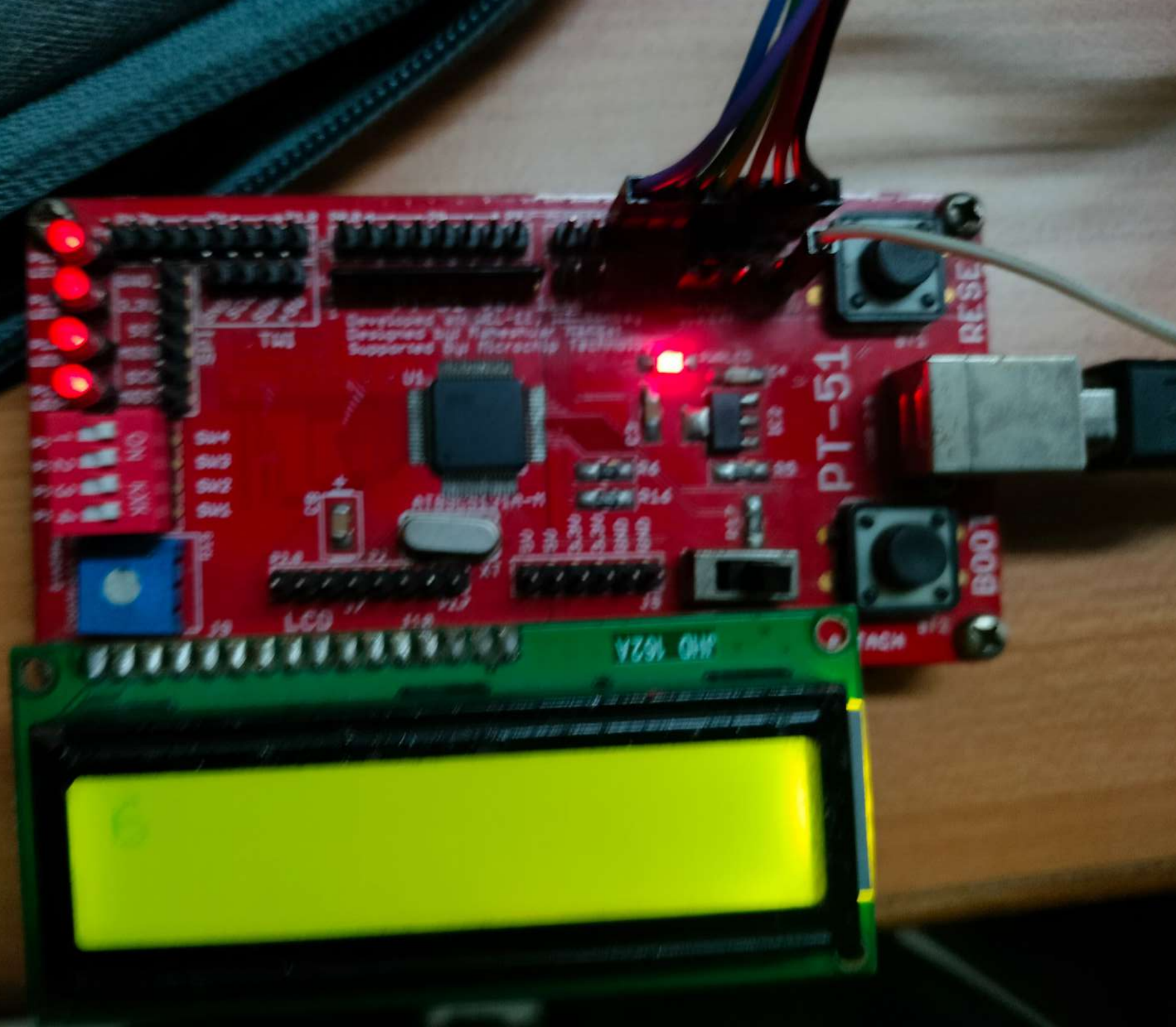
Build Output

Rebuild started: Project: keypad  
Rebuild target 'Target 1'  
assembling STARTUP.A51...

Simulation

L:36 C:21

CAP. NUM. SCRL OVR. R/W





PT-51 Ver 1.3 EA  
Developed at: WEL-EE, IIT-Bombay  
Designed by: Maheshwar Hande  
Supported by: Microchip Technology



PT-51

BOOT

TACH

BT2

USB 2.0

RESET



SH4  
SH3  
SH2  
SH1

