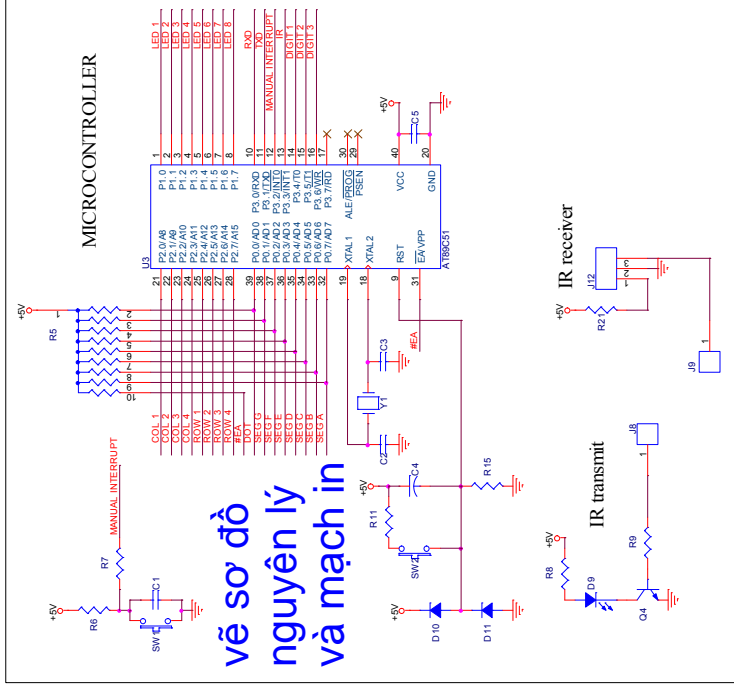


- TRAINED TECHNIQUES:
- BASIC KNOWLEDGES OF MICROCONTROLLER
 - SINGLE LED INTERFACING
 - 7-SEG LED INTERFACING
 - KEY MATRIX INTERFACING
 - MULTI-MICROCONTROLLER COMMUNICATING
 - IR TRANSMITTING/RECEIVING



VALUE FOR COMPONENTS:

- R1 = 9 pin Resistor 470 Ohm
- R2,R3,R4,R9 = 5K6
- R5 = 10 pin Resistor 4K7
- R6,R15 = 10K
- R7,R11 = 330 Ohm
- R8 = 100 Ohm
- R10,R12,R13,R14,R16,R17,R18,R19 = 470 Ohm
- R20 = 1K, R21=100Ohm
- C1,C5,C8 = 104
- C2,C3 = 33pF
- C4 = 10uF
- C6,C7 = 1000uF/25V
- U1 = 3in1 7-Seg LED
- U2 = ULN2803
- U3 = AT89C51x, AT89S5x
- U4 = 7805/TO220
- J1,J2 = 3 pin Jack
- J3,J4,J6,J7 = Drill
- J5 = DC Jack
- D1,D2,D3,D4,D5,D6,D7,D8,D14 = Red LED
- D9 = Infrared Transmit LED
- D10,D11 = IN4148
- D12,D13,D15,D16 = 1N4007
- SW1, SW2, SW4, SW5, SW6, SW8, SW9, SW10, SW12, SW13, SW14 = 2pin Push Button
- Y1 = Quartz 11.0592MHz

Time	C51 TRAINING KIT1 - Designed by BinhtNT		
Page	Document Number	Rev	
A3	01		
Date:	Monday, October 01, 2007	Revised	1 of 1